SUMMARY OF CORRECTIONS

VOLUME 5

2009

PUBS

WORLD AND OCEAN BASIN CHARTS, U.S. COAST PILOTS, SAILING DIRECTIONS, FLEET GUIDES, AND OTHER PUBLICATIONS

CORRECTIONS

THROUGH N.M. NO. 33/09 (15 AUGUST 2009)

Prepared and published by the
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
Bethesda, MD

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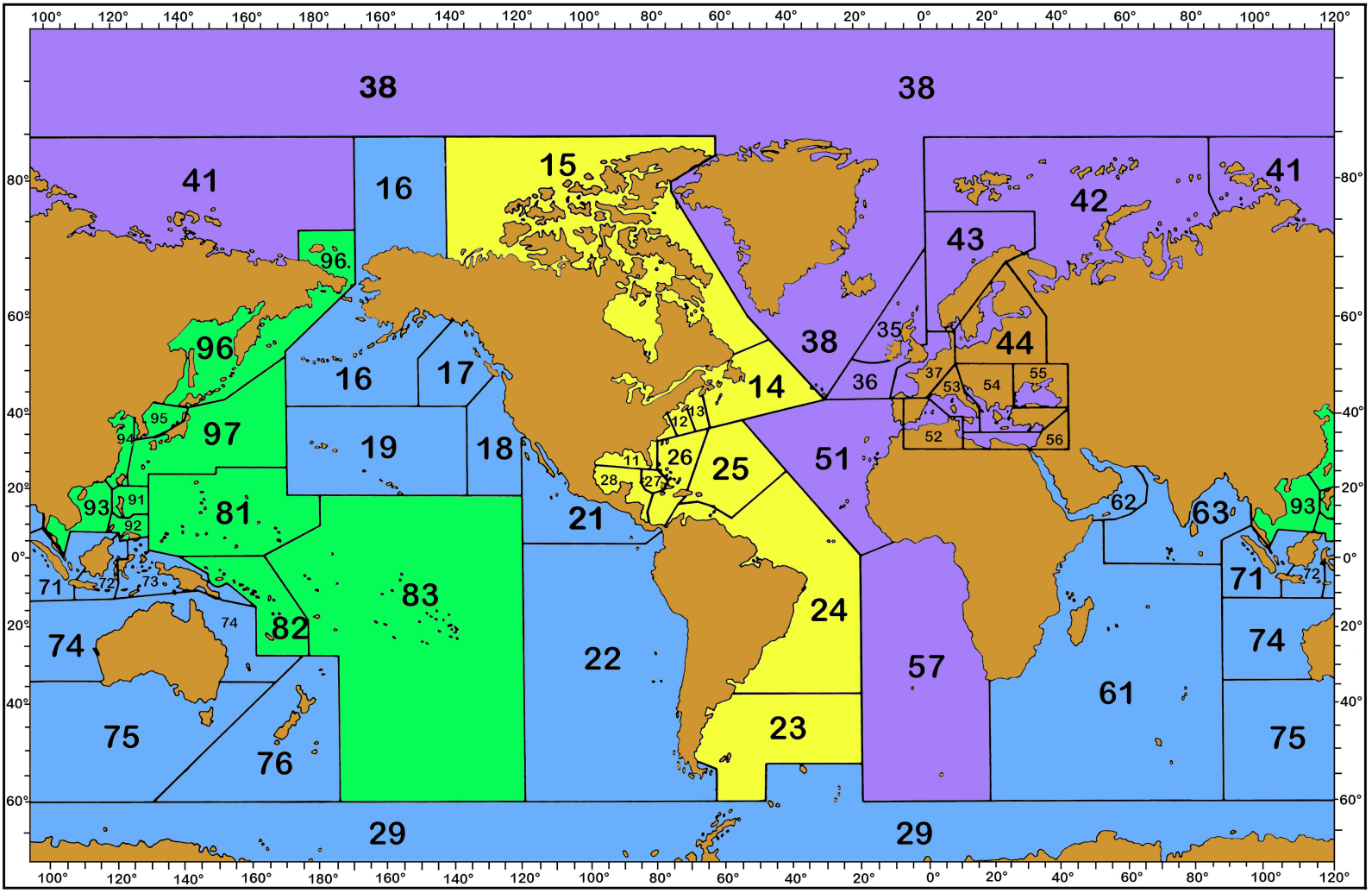

VOLUME 1 VOLUME 2 VOLUME 3 VOLUME 4

SUMMARY OF CORRECTIONS

This Volume contains a summary of chart corrections and navigation publication corrections originally issued in the Notice to Mariners up to the date of this edition. For corrections issued subsequent to the date of this edition, the Notice to Mariners must still be consulted. This publication is not required to be maintained intact. Portions of it may be separated for correction or attachment to an affected product.

The Summary of Corrections are divided into five volumes. Volumes 1 through 4 contain corrections to regionally numbered charts. Volume 5 contains corrections to world and ocean basin charts, and corrections to navigational publications. The detailed coverage of each Volume is listed below:

- Volume 1: East Coast of North and South America
  (Subregions 11 through 15 and 23 through 28).

- Volume 2: Eastern Atlantic and Arctic Oceans, Including the Mediterranean Sea
  (Regions 3, 4 and 5).

- Volume 3: Eastern Pacific Ocean, Antarctica, Indian Ocean and Australasia
  (Subregions 16 through 19, 21, 22, and 29, and Regions 6 and 7).

- Volume 4: Western Pacific Ocean
  (Regions 8 and 9).

- Volume 5: World and Ocean Basin Charts, U.S. Coast Pilots, Sailing Directions, Fleet Guides and Other Publications.

For further information concerning NGA hydrographic products and services, including the Marine Safety Information Web site, users may contact:

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Maritime Safety Web site	(301) 227-3120	287-3120	(301) 227-4211
Notice to Mariners	(301) 227-3146	287-3146	(301) 227-3175
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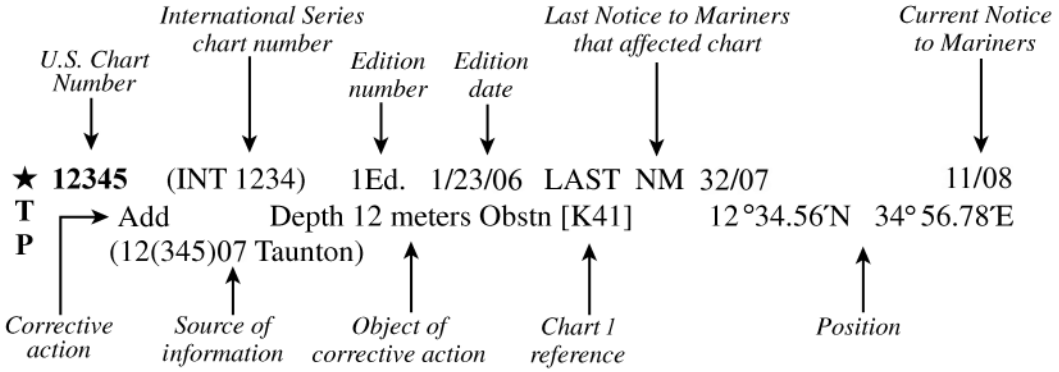
EXPLANATION OF CONTENTS

The Summary of Corrections is provided as a convenient tool for updating nautical charts and publications with corrections originally issued in the Notice to Mariners. It contains a reiterative compilation of all corrections affecting each product lists from its edition date through the date of this volume.

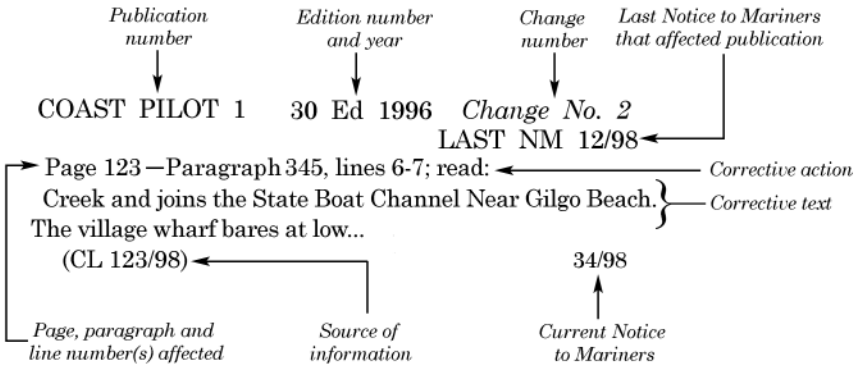
Charts are listed in ascending order by chart number. Each chart's corrections are listed in ascending order by the Notice to Mariners number in which they were originally issued. Corrections that were issued prior to the current edition date of a chart are not included. Charts that were listed as "CANCELED" in a previous edition of the Summary of Corrections are not repeated. Paste-on corrections for charts (chartlets, depth tabulations and notes) are located in the back of the chart corrections section and are arranged in ascending order by chart number. When a paste-on correction supersedes another which had been issued previously, only the latest correction will be included.

The components of a typical chart correction are illustrated below:



Publications are arranged by type and are listed in ascending order by publication number. The U.S. Coast Pilot corrections are listed in ascending order by change number. The corrections to all other publications are listed in ascending order by the page numbers(s) affected. Publication graphics, insert pages and replacement pages are located immediately after the textual corrections to the publication type that they affect and are arranged in ascending order by publication number.

The components of a typical Coast Pilot correction are illustrated below:



★**10** (INT 10) 2Ed. 5/11/96 NEW EDITION 28/96
(DMA)

10 (INT 10) 2Ed. 5/11/96 LAST NM 28/96 29/96
Add Dotted-line circle "Well" marked
close SE by buoy Y, spar 71°56′N 21°11′E
(BA CH 4100)

10 (INT 10) 2Ed. 5/11/96 LAST NM 29/96 17/98
Delete R Bn at light 57°45′N 10°36′E
55°33′N 8°05′E
(50(1393)97 Kobenhavn)

10 (INT 10) 2Ed. 5/11/96 LAST NM 17/98 19/98
Delete R Bn at light 65°30′N 24°31′W
(12(34)97 Reykjavik)

10 (INT 10) 2Ed. 5/11/96 LAST NM 19/98 5/99
Delete R Bn at light 54°07.0′N 0°05.0′W
58°30.0′N 6°15.0′W
57°42.0′N 2°00.0′W
54°17.0′N 10°05.0′W
(30/98 Trinity House; BA RA)

10 (INT 10) 2Ed. 5/11/96 LAST NM 5/99 18/99
Delete R Bn at light 59°01′N 10°30′E
59°18′N 4°53′E
58°04′N 8°03′E
60°08′N 5°01′E
61°02′N 4°30′E
62°20′N 5°16′E
64°11′N 9°25′E
65°12′N 11°00′E
67°18′N 13°30′E
67°25′N 11°52′E
70°15′N 19°30′E
71°06′N 23°59′E
71°05′N 28°13′E
70°23′N 31°09′E
(1(67)99 Stavanger)

10 (INT 10) 2Ed. 5/11/96 LAST NM 18/99 23/99
Delete R Bn at light 63°49′N 22°42′W
66°07′N 20°06′W
66°27′N 15°57′W

R Bn 63°31′N 17°58′W
(1(5)99 Reykjavik)

10 (INT 10) 2Ed. 5/11/96 LAST NM 23/99 40/05
Delete Depth 79 meters, blue tint and enclosing
depth contour in vicinity 71°51′N 41°40′E

Depth 62 meters 69°34′N 41°02′E
(NTM0033/2005)

10 (INT 10) 2Ed. 5/11/96 LAST NM 40/05 4/08
Add Depth 1245 meters "Rep (2007)" 72°17′N 0°39′W
(NTM0002/2008)

10 (INT 10) 2Ed. 5/11/96 LAST NM 4/08 35/08
Add Depth 326 meters 73°56′N 20°57′E
(NTM0026/2008)

★**11** (INT 11) 2Ed. 9/14/96 NEW EDITION 50/96
Delete RC at light 46°00′N 59°41′W
45°19′N 60°55′W
(Previously published 42/96)
(NIMA)

11 (INT 11) 2Ed. 9/14/96 LAST NM 50/96 28/97
Delete RC at light 28°27′N 80°32′W
(GIMM002/97)

11 (INT 11) 2Ed. 9/14/96 LAST NM 28/97 37/97
Delete Superbuoy LANBY 40°30′N 69°25′W
(31/97 CG1)

11 (INT 11) 2Ed. 9/14/96 LAST NM 37/97 12/98
Add Depth 27 meters 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

11 (INT 11) 2Ed. 9/14/96 LAST NM 12/98 5/99
Delete RC at light 49°58.0′N 6°19.0′W
58°31.0′N 6°16.0′W
51°22.0′N 9°49.0′W
55°16.0′N 8°15.0′W
54°17.0′N 10°05.0′W
(30/98 Trinity House; BA RA)

11 (INT 11) 2Ed. 9/14/96 LAST NM 5/99 18/99
Delete RC at light 60°08′N 5°01′E
61°02′N 4°30′E
(1(67)99 Stavanger)

11 (INT 11) 2Ed. 9/14/96 LAST NM 18/99 23/99
Delete RC at light 63°48′N 22°42′W
RC 63°31′N 17°59′W
(1(5)99 Reykjavik)

11 (INT 11) 2Ed. 9/14/96 LAST NM 23/99 27/99
Delete RC at light. 63°48′N 16°38′W
(4(15)99 Reykjavik)

11 (INT 11) 2Ed. 9/14/96 LAST NM 27/99 11/00
Delete RC at light 43°55′N 60°01′W
(6(1137)99 Ottawa)

11 (INT 11) 2Ed. 9/14/96 LAST NM 11/00 16/00
Relocate Superbuoy ODAS "44142" from
42°29′N 64°12′W to 42°30′N 64°01′W
(6(1126)99 Ottawa)

11 (INT 11) 2Ed. 9/14/96 LAST NM 16/00 48/00
Delete RC at light 48°28′N 5°08′W
(3(13)00 Brest)

11 (INT 11) 2Ed. 9/14/96 LAST NM 48/00 34/01
Delete RC at light 37°01′N 9°00′W
(4(145)01 Lisboa; Por LL)

11 (INT 11) 2Ed. 9/14/96 LAST NM 34/01 38/01
Delete Superbuoy ODAS "44004" 38°19′N 70°42′W

Relocate Superbuoy ODAS "41002" from
32°18′N 75°20′W to 32°16′N 75°26′W

Add Superbuoy ODAS [Q58] "44004" Y,
Fl(4) Y 20s 38°30′N 70°28′W
(29/01 CG7; NTM0020/2001)

11 (INT 11) 2Ed. 9/14/96 LAST NM 38/01 42/04
Delete Depth 90 meters 54°00′N 13°10′W
(NTM0019/2004)

11 (INT 11) 2Ed. 9/14/96 LAST NM 42/04 8/06
Delete RC (AERO) 32°45′N 16°42′W
RC 28°09′N 15°25′W
RC at light 33°34′N 7°40′W
(28(294)05 Cadiz)

11 (INT 11) 2Ed. 9/14/96 LAST NM 8/06 20/06
Delete RC at light 35°48′N 5°54′W
RC at light 42°54′N 9°18′W
(40(400)05 Cadiz; Spn LL)

11 (INT 11) 2Ed. 9/14/96 LAST NM 20/06 10/08
Add Depth 213 meters enclosed by depth contour
(1000-meter) 44°07′N 22°07′W
Depth 104 meters enclosed by depth contour
(200-meter) 38°19′N 30°06′W
(10(1157, 1158)03 Taunton)

11 (INT 11) 2Ed. 9/14/96 LAST NM 10/08 40/08
Add Superbuoy ODAS [Q58] "M4" Y, Fl(5) Y 20s
55°00′N 10°00′W
Superbuoy ODAS [Q58] "M6" Y, Fl(5) Y 20s
53°04′N 15°56′W
(42(4778)06, 24(2717)07 Taunton)

11 (INT 11) 2Ed. 9/14/96 LAST NM 40/08 43/08
Relocate Superbuoy ODAS "44139" from
44°20′N 57°21′W to 44°14′N 57°06′W
(1(4006)05 Ottawa)

11 (INT 11) 2Ed. 9/14/96 LAST NM 43/08 8/09
Delete RC 43°28′N 66°00′W
(11(4000)08 Ottawa)

11 (INT 11) 2Ed. 9/14/96 LAST NM 8/09 23/09
Add Superbuoy ODAS [Q58] "41049" Y,
Fl(4) Y 20s 27°30′N 63°00′W
(NTM0025/2009)

11 (INT 11) 2Ed. 9/14/96 LAST NM 23/09 33/09
Add Depth 536 meters 32°13′N 77°44′W
Depth 3968 meters 30°11′N 75°51′W
(NTM0022/2009)

★**12** (INT 12) 1Ed. 9/25/82 NEW CHART 47/82
(DMAHTC)

12 (INT 12) 1Ed. 9/25/82 LAST NM 47/82 51/82
Add Legend "Rep exting (1982)" to light 13°30′N 16°40′W
(BA LL)

12 (INT 12) 1Ed. 9/25/82 LAST NM 51/82 3/83
Add Depth 542 meters 31°00′N 12°36′W
(45(2732)82 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 3/83 8/83
Delete Depth 380 meters 38°20′N 30°00′W

Add Depths
104 meters 38°20′N 30°06′W
137 meters 38°45′N 29°08′W
(47(2888)82 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 8/83 12/83
Delete Depths
22 meters "Rep (1979)" (PA) 18°30.0′N 63°08.0′W
18 meters 16°30.0′N 87°35.0′W

Substitute Depth 51 meters for 5 meters 14°10.0′N 79°55.0′W
(NVS6875/83)

12 (INT 12) 1Ed. 9/25/82 LAST NM 12/83 17/83
Add Danger circle "Unexploded Ordnance
Rep (1983)" 29°37.5′N 79°44.6′W
(NVS/C0001/83)

12 (INT 12) 1Ed. 9/25/82 LAST NM 17/83 29/83
Relocate R Bn close NW to 34°41.9′N 76°41.0′W
(23/83 CG5)

12 (INT 12) 1Ed. 9/25/82 LAST NM 29/83 31/83
Substitute Depth 48 meters for 18 meters 3°26′S 35°03′W
(NVS6978/83)

12 (INT 12) 1Ed. 9/25/82 LAST NM 31/83 44/83
Delete Depths
139 meters 16°20′N 78°40′W
16 meters 17°10′N 79°23′W

Add Depths
586 meters 20°32′N 70°27′W
408 meters "Rep (1983)" (ED) 16°50′N 79°17′W
264 meters "Rep (1983)" (ED) 17°01′N 79°32′W

Legend "(PA)" to
depth 532 meters "Rep (1982)" 16°00′N 78°25′W
(NVS7066, 7072/83)

12 (INT 12) 1Ed. 9/25/82 LAST NM 44/83 6/84
Add Depths
284 meters "Rep (1983)" 11°16′N 82°50′W
29 meters "Rep (1983)" 3°53′N 48°55′W
(NVS7173/84; 22(202)83 Rio de Janeiro)

12 (INT 12) 1Ed. 9/25/82 LAST NM 6/84 13/84
Add Depths
176 meters "Rep (1983)" (PA) 11°31′N 80°06′W
163 meters "Rep (1983)" (PA) 13°47′N 79°04′W
(NVS7214/84)

12 (INT 12) 1Ed. 9/25/82 LAST NM 13/84 15/84
Add Depths
503 meters "Rep (1983)" (PA) 14°11.8′N 78°04.0′W
370 meters "Rep (1983)" (PA) 14°43.4′N 77°48.3′W
446 meters "Rep (1983)" (PA) 14°55.6′N 77°45.4′W
362 meters "Rep (1983)" (PA) 17°36.0′N 79°53.7′W
261 meters "Rep (1983)" (PA) 12°24.1′N 79°39.0′W
(NVS7214/84)

12 (INT 12) 1Ed. 9/25/82 LAST NM 15/84 17/84
Add Depths
346 meters 36°26′N 33°51′W
282 meters "Rep (1983)" (PA) 13°48′N 81°15′W
392 meters "Rep (1983)" (PA) 12°47′N 82°18′W
(NVS7226/84; 10(605)84 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 17/84 23/84
Delete Depth 256 meters 8°21′S 16°52′W

Add Depth 256 meters 8°28.8′S 17°04.6′W
(NVS7266/84)

12 (INT 12) 1Ed. 9/25/82 LAST NM 23/84 31/85
Add Depth 16 meters 15°20′N 80°15′W
(HNNM7507/85)

12 (INT 12) 1Ed. 9/25/82 LAST NM 31/85 38/85
Delete Depths
278 meters 37°07′N 31°23′W
1470 meters 37°29′N 26°27′W

Add Depths
512 meters 39°07′N 27°39′W
309 meters 38°44′N 26°32′W
446 meters 38°10′N 26°02′W
503 meters 37°45′N 26°18′W
533 meters 37°26′N 26°27′W
235 meters 37°08′N 31°24′W
(31(2038)85 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 38/85 42/85
Delete Depth 476 meters 33°13′N 29°31′W

Add Depth 360 meters 33°13′N 29°52′W
(34(11)85 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 42/85 46/85
Delete Depth 60 meters 16°34′N 61°54′W

Change Legend "PA" to "ED" 17°40′N 63°50′W
(HNNM7601/85; NVS6056/80)

12 (INT 12) 1Ed. 9/25/82 LAST NM 46/85 27/86
Delete Depth 478 meters 9°20′N 21°19′W

Add Depth 215 meters "Rep (1986)" 9°15′N 21°20′W
(17(1277)86 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 27/86 37/86
Add Depth 157 meters 36°50′N 7°28′W
(MCNM7802/86)

12 (INT 12) 1Ed. 9/25/82 LAST NM 37/86 47/86
Add Depth 1200 meters 20°25′N 53°28′W
(39(51)86 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 47/86 25/87
Substitute Depth 247 meters "Rep" for
254 meters "Rep (1977)" 25°22′N 19°28′W

Add Depth 164 meters "Rep" 25°20′N 19°20′W
(16(32)87 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 25/87 35/87
Delete Depth 31 meters 14°10′N 60°48′W
(6(81)87 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 35/87 26/88
Add Legend "(ED)" to depth 78 meters 6°30′N 52°16′W
(53(61)87 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 26/88 43/88
Substitute Depth 24 meters for 28 meters 17°12′N 75°24′W
(MCNM8078/88)

12 (INT 12) 1Ed. 9/25/82 LAST NM 43/88 48/88
Delete Depths
7 meters 18°31′N 84°12′W
24 meters 18°40′N 83°21′W

Add Depths
15 meters 18°21′N 84°19′W
28 meters 18°49′N 83°15′W
(MCNM8169/88)

12 (INT 12) 1Ed. 9/25/82 LAST NM 48/88 34/89
Add Depth 96 meters 38°45′N 30°01′W
(MCNM7551/85)

12 (INT 12) 1Ed. 9/25/82 LAST NM 34/89 38/89
Add Depth 16 meters 21°50′N 76°19′W
(MCNM1102/89)

12 (INT 12) 1Ed. 9/25/82 LAST NM 38/89 51/89
Delete Depths
327 meters 31°23′N 13°19′W
44 meters 30°00′N 13°01′W

Substitute Depths
155 meters for 157 meters 30°00′N 12°42′W
77 meters for 86 meters 31°10′N 13°37′W

Add Depth 228 meters 31°39′N 13°07′W
(RS004188, 004196/74)

12 (INT 12) 1Ed. 9/25/82 LAST NM 51/89 23/90
Add Depth 18 meters 18°47′N 83°14′W
(25(58)89 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 23/90 28/90
Delete Depth 143 meters
and enclosing depth contour 7°46.0′N 56°49.0′W
(MCNM1032/90)

12 (INT 12) 1Ed. 9/25/82 LAST NM 28/90 39/90
Delete Depth 9 meters "Rep (1980)" (PA) 3°58′S 35°50′W
(27(1940)90 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 39/90 51/91
Delete Depth 130 meters 37°31′N 30°24′W
(38(27)91 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 51/91 22/92
Delete R Bn at lights 35°09′N 75°18′W
33°29′N 77°35′W
(17/92 CG5)

12 (INT 12) 1Ed. 9/25/82 LAST NM 22/92 26/92
Delete Depth 165 meters 12°00′N 17°30′W
(16(43)92 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 26/92 49/93
Delete R Bn at light 32°12′N 64°50′W
(40(3377)93 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 49/93 51/93
Add Depth 29 meters enclosed by
depth contour (30-meter) 17°47′N 75°52′W
(33(533)93 Hamburg)

12 (INT 12) 1Ed. 9/25/82 LAST NM 51/93 4/94
Delete R Bn at light 24°39′N 82°54′W
(46/93 CG7)

12 (INT 12) 1Ed. 9/25/82 LAST NM 4/94 32/94
Delete R Bn at light 21°51′N 84°53′W

Add Light symbol 22°14′N 83°34′W
(1(18), 2(36)94 Habana)

12 (INT 12) 1Ed. 9/25/82 LAST NM 32/94 34/94
Add Wreck (PA) 39°54′N 69°46′W
(22/94 CG1)

12 (INT 12) 1Ed. 9/25/82 LAST NM 34/94 53/94
Delete R Bn at light 40°38′N 73°12′W
(23/94 CG1)

12 (INT 12) 1Ed. 9/25/82 LAST NM 53/94 1/95
Delete R Bn at light 26°04′N 97°10′W
26°52′N 80°05′W
(47/94 CG7; 47/94 CG8)

12 (INT 12) 1Ed. 9/25/82 LAST NM 1/95 2/95
Delete R Bn at light 30°20′N 81°25′W
(49/94 CG7)

12 (INT 12) 1Ed. 9/25/82 LAST NM 2/95 10/95
Delete R Bn at light 33°55′N 78°02′W

R Bn 35°44′N 75°30′W

R Bn and light symbol 38°45′N 74°35′W

Add R Bn 38°48′N 75°05′W
(2/95 CG5; USCG LL)

12 (INT 12) 1Ed. 9/25/82 LAST NM 10/95 11/95
Delete R Bn at light 41°08′N 71°32′W
40°24′N 73°50′W
(4, 5/95 CG1)

12 (INT 12) 1Ed. 9/25/82 LAST NM 11/95 15/95
Delete Depth 137 meters 37°45′N 29°08′W
(7(24)95 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 15/95 29/95
Add Depth 587 meters 6°21′N 32°58′W
(14(56)95 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 29/95 45/95
Delete R Bn 29°19′N 94°44′W
(USCG LL)

12 (INT 12) 1Ed. 9/25/82 LAST NM 45/95 1/96
Add Light symbol 6°03′S 35°07′W
(20(217P)95 Rio de Janeiro)

12 (INT 12) 1Ed. 9/25/82 LAST NM 1/96 11/96
Add Light symbol 2°23′S 43°16′W
(22(243)95 Rio de Janeiro)

12 (INT 12) 1Ed. 9/25/82 LAST NM 11/96 12/96
Delete R Bn at light 22°01′N 80°25′W
(5(103)95 Habana)

12 (INT 12) 1Ed. 9/25/82 LAST NM 12/96 13/96
Delete Light symbol 29°40′N 85°20′W
Note: R Bn remains
(5/96 CG8)

12 (INT 12) 1Ed. 9/25/82 LAST NM 13/96 14/96
Delete R Bn at light 36°52′N 75°42′W

R Bn 38°48′N 75°05′W
34°42′N 76°41′W
(8/96 CG5; SMEA009/96)

12 (INT 12) 1Ed. 9/25/82 LAST NM 14/96 17/96
Delete Depth 104 meters 38°20′N 30°06′W
(4(33)96 Brest)

12 (INT 12) 1Ed. 9/25/82 LAST NM 17/96 29/96
Delete Depth 1600 meters 6°03′N 24°57′W

Add Depth
234 meters 6°19′N 22°37′W
762 meters 6°10′N 24°52′W
(23(1907)96 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 29/96 36/96
Delete R Bn 29°40′N 85°21′W
(SMEA006/96)

12 (INT 12) 1Ed. 9/25/82 LAST NM 36/96 41/96
Delete R Bn at light 28°59′N 89°08′W
28°54′N 89°25′W

R Bn 29°47′N 93°21′W
29°43′N 93°52′W
(SMEA009/96)

12 (INT 12) 1Ed. 9/25/82 LAST NM 41/96 42/96
Delete R Bn at light 27°50′N 97°03′W
(SMEA009/96)

12 (INT 12) 1Ed. 9/25/82 LAST NM 42/96 51/96
Delete R Bn at light 27°35′N 82°40′W
(GIMM050/96)

12 (INT 12) 1Ed. 9/25/82 LAST NM 51/96 6/97
Delete R Bn at light 30°14′N 88°01′W
(GIMM002/97)

12 (INT 12) 1Ed. 9/25/82 LAST NM 6/97 23/97
Delete Purple circle at light 22°41′N 78°53′W
(9(222)96 Habana)

12 (INT 12) 1Ed. 9/25/82 LAST NM 23/97 28/97
Delete R Bn at light 28°23′N 80°32′W
(GIMM002/97)

12 (INT 12) 1Ed. 9/25/82 LAST NM 28/97 32/97
Delete R Bn at light 1°22′S 45°00′W
(12(99)97 Rio de Janeiro)

12 (INT 12) 1Ed. 9/25/82 LAST NM 32/97 37/97
Delete Light symbol and R Bn 40°30′N 69°25′W
(31/97 CG1)

12 (INT 12) 1Ed. 9/25/82 LAST NM 37/97 12/98
Add Depth 27 meters 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

12 (INT 12) 1Ed. 9/25/82 LAST NM 12/98 16/00
Delete Light 27°49′N 97°04′W
(49/99 CG8)

12 (INT 12) 1Ed. 9/25/82 LAST NM 16/00 34/01
Delete R Bn at light 37°00′N 8°58′W
(4(145)01 Lisboa; Por LL)

12 (INT 12) 1Ed. 9/25/82 LAST NM 34/01 45/02
Delete R Bn 20°28′N 86°58′W

Add Light symbol [P1] 20°30′N 86°58′W
(Mex LL; NTM0007/2002)

12 (INT 12) 1Ed. 9/25/82 LAST NM 45/02 27/04
Substitute Depth 26 meters for 8 meters 16°54′N 83°20′W
(NTM0012/2004)

12 (INT 12) 1Ed. 9/25/82 LAST NM 27/04 26/05
Add Depth 1116 meters "Rep (2005)" 27°26′N 76°35′W
(NTM0024/2005)

12 (INT 12) 1Ed. 9/25/82 LAST NM 26/05 8/06
Delete R Bn at light 33°34′N 7°41′W
(28(294)05 Cadiz)

12 (INT 12) 1Ed. 9/25/82 LAST NM 8/06 20/06
Delete R Bn at light 35°47′N 5°57′W
(40(400)05 Cadiz)

12 (INT 12) 1Ed. 9/25/82 LAST NM 20/06 10/08
Add Depth 104 meters 38°19′N 30°06′W
(10(1158)03 Taunton)

12 (INT 12) 1Ed. 9/25/82 LAST NM 10/08 23/09
Add Superbuoy ODAS [Q58] "41049" Y,
Fl(4) Y 20s 27°30′N 63°00′W

Superbuoy ODAS [Q58] "41044" Y,
Fl(4) Y 20s 21°39′N 58°42′W
(NTM0025/2009)

12 (INT 12) 1Ed. 9/25/82 LAST NM 23/09 29/09
Add Superbuoy ODAS [Q58] "42060" Y,
Fl(4) Y 20s 16°30′N 63°30′W
(NTM0025/2009)

12 (INT 12) 1Ed. 9/25/82 LAST NM 29/09 33/09
Add Depth 536 meters 32°13′N 77°44′W
Depth 3968 meters 30°11′N 75°51′W
(NTM0022/2009)

★**13** (INT 13) 1Ed. 9/25/82 NEW CHART 47/82
(DMAHTC)

13 (INT 13) 1Ed. 9/25/82 LAST NM 47/82 8/83
Add Depth 104 meters 38°20′N 30°06′W
(47(2888)82 Taunton)

13 (INT 13) 1Ed. 9/25/82 LAST NM 8/83 12/83
Delete Depth 22 meters "Rep (1979)" (PA) 18°30.0′N 63°08.0′W

Substitute Depth 51 meters for 5 meters 14°10.0′N 79°55.0′W
(NVS6875/83)

13 (INT 13) 1Ed. 9/25/82 LAST NM 12/83 17/83
Add Danger circle "Unexploded Ordnance
Rep (1983)" 29°37.5′N 79°44.6′W
(NVS/C0001/83)

13 (INT 13) 1Ed. 9/25/82 LAST NM 17/83 29/83
Relocate R Bn close NW to 34°41.9′N 76°41.0′W
(23/83 CG5)

13 (INT 13) 1Ed. 9/25/82 LAST NM 29/83 31/83
Substitute Depth 48 meters for 18 meters 3°26′S 35°03′W
(NVS6978/83)

13 (INT 13) 1Ed. 9/25/82 LAST NM 31/83 36/83
Add Depth 37 meters "Rep (1982)" (PA) 45°53′N 47°40′W
(NVS7009/83)

13 (INT 13) 1Ed. 9/25/82 LAST NM 36/83 44/83
Delete Depths
139 meters 16°20′N 78°40′W
16 meters 17°10′N 79°23′W

(continued on next page)

13 (Continued) 44/83
Add Depths
586 meters 20°32′N 70°27′W
408 meters “Rep (1983)” (ED) 16°50′N 79°17′W
264 meters “Rep (1983)” (ED) 17°01′N 79°32′W

Legend “(PA)” to
depth 532 meters “Rep (1982)” 16°00′N 78°25′W
(NVS7066, 7072/83)

13 (INT 13) 1Ed. 9/25/82 LAST NM 44/83 6/84
Add Depths
284 meters “Rep (1983)” 11°16′N 82°50′W
29 meters “Rep (1983)” 3°53′N 48°55′W
(NVS7173/84; 22(202)83 Rio de Janeiro)

13 (INT 13) 1Ed. 9/25/82 LAST NM 6/84 13/84
Add Depths
176 meters “Rep (1983)” (PA) 11°31′N 80°06′W
163 meters “Rep (1983)” (PA) 13°47′N 79°04′W
(NVS7214/84)

13 (INT 13) 1Ed. 9/25/82 LAST NM 13/84 15/84
Add Depths
503 meters “Rep (1983)” (PA) 14°11.8′N 78°04.0′W
370 meters “Rep (1983)” (PA) 14°43.4′N 77°48.3′W
446 meters “Rep (1983)” (PA) 14°55.6′N 77°45.4′W
362 meters “Rep (1983)” (PA) 17°36.0′N 79°53.7′W
261 meters “Rep (1983)” (PA) 12°24.1′N 79°39.0′W
(NVS7214/84)

13 (INT 13) 1Ed. 9/25/82 LAST NM 15/84 17/84
Add Depths
346 meters 36°26′N 33°51′W
282 meters “Rep (1983)” (PA) 13°48′N 81°15′W
392 meters “Rep (1983)” (PA) 12°47′N 82°18′W
(NVS7226/84; 10(605)84 Taunton)

13 (INT 13) 1Ed. 9/25/82 LAST NM 17/84 42/84
Delete R Bns 53°31′N 55°45′W
54°28′N 56°56′W
55°13′N 59°08′W
(27(601,608,614)84 Ottawa)

13 (INT 13) 1Ed. 9/25/82 LAST NM 42/84 31/85
Add Depth 16 meters (ED) 15°20′N 80°15′W
(HNNM7507/85)

13 (INT 13) 1Ed. 9/25/82 LAST NM 31/85 32/85
Delete Depth 14 meters 15°20′N 80°24′W
(NVS6998/85)

13 (INT 13) 1Ed. 9/25/82 LAST NM 32/85 46/85
Delete Depth 60 meters 16°34′N 61°54′W

Change Legend “PA” to “ED” 17°50′N 63°30′W
(HNNM7601/85; NVS6056/80)

13 (INT 13) 1Ed. 9/25/82 LAST NM 46/85 10/86
Delete Depths
14 meters 13°54′N 78°20′W
6 meters 13°32′N 81°47′W
(HNNM7695/86)

13 (INT 13) 1Ed. 9/25/82 LAST NM 10/86 39/86
Delete Depth 118 meters (PD) 4°15′S 34°50′W
(17(1276)86 Taunton)

13 (INT 13) 1Ed. 9/25/82 LAST NM 39/86 44/86
Add Submarine cable
joining 8°09.5′S 34°54.0′W
8°12.8′S 34°48.5′W
8°09.0′S 34°24.0′W
8°06.3′S 34°05.3′W
7°24.0′S 34°25.0′W

joining 8°08.3′S 34°54.2′W
8°11.6′S 34°18.5′W
8°08.0′S 33°54.0′W
7°47.5′S 33°03.4′W
(17(E253)86 Rio de Janeiro)

13 (INT 13) 1Ed. 9/25/82 LAST NM 44/86 47/86
Add Depth 1200 meters 20°25′N 53°28′W
(39(51)86 Brest)

13 (INT 13) 1Ed. 9/25/82 LAST NM 47/86 33/87
Delete R Bns 52°00′N 55°18′W
49°59′N 55°21′W
(23(385, 387)87 Ottawa)

13 (INT 13) 1Ed. 9/25/82 LAST NM 33/87 35/87
Delete Depth 31 meters 14°10′N 60°50′W
(6(81)87 Brest)

13 (INT 13) 1Ed. 9/25/82 LAST NM 35/87 48/88
Delete Depths
7 meters 18°31′N 84°12′W
24 meters 18°40′N 83°21′W

Add Depths
15 meters 18°21′N 84°19′W
28 meters 18°49′N 83°15′W
(MCNM8169/88)

13 (INT 13) 1Ed. 9/25/82 LAST NM 48/88 28/89
Add Depth 292 meters 55°08′N 34°55′W
(20(1536)89 Taunton)

13 (INT 13) 1Ed. 9/25/82 LAST NM 28/89 38/89
Delete R Bn at light 43°40′N 65°13′W
(31(662)89 Ottawa)

13 (INT 13) 1Ed. 9/25/82 LAST NM 38/89 23/90
Add Depth 18 meters 18°47′N 83°14′W
(25(58)89 Brest)

13 (INT 13) 1Ed. 9/25/82 LAST NM 23/90 28/90
Delete Depth 143 meters
and enclosing depth contour 7°46.0′N 56°49.0′W
(MCNM1032/90)

13 (INT 13) 1Ed. 9/25/82 LAST NM 28/90 39/90
Delete Depth 9 meters “Rep (1980)” (PA) 3°58′S 35°50′W
(27(1940)90 Taunton)

13 (INT 13) 1Ed. 9/25/82 LAST NM 39/90 51/91
Delete Depth 130 meters 37°31′N 30°24′W
(38(27)91 Brest)

13 (INT 13) 1Ed. 9/25/82 LAST NM 51/91 22/92
Delete R Bn at lights 35°09′N 75°18′W
33°29′N 77°35′W
(17/92 CG5)

13 (INT 13) 1Ed. 9/25/82 LAST NM 22/92 49/93
Delete R Bn at light 32°12′N 64°50′W
(40(3377)93 Taunton)

13 (INT 13) 1Ed. 9/25/82 LAST NM 49/93 50/93
Delete R Bn at light 42°02′N 70°02′W
(44/93 CG1)

13 (INT 13) 1Ed. 9/25/82 LAST NM 50/93 51/93
Add Depth 29 meters enclosed by
depth contour (30-meter) 17°47′N 75°52′W
(33(533)93 Hamburg)

13 (INT 13) 1Ed. 9/25/82 LAST NM 51/93 4/94
Delete R Bn at light 24°40′N 82°54′W
(46/93 CG7)

13 (INT 13) 1Ed. 9/25/82 LAST NM 4/94 12/94
Delete R Bn at light 47°17′N 60°08′W
(2(66)94 Ottawa)

13 (INT 13) 1Ed. 9/25/82 LAST NM 12/94 32/94
Delete R Bn at light 21°52′N 84°57′W

Add Light symbol 22°14′N 83°34′W
(1(18), 2(36)94 Habana)

13 (INT 13) 1Ed. 9/25/82 LAST NM 32/94 34/94
Add Wreck (PA) 39°54′N 69°46′W
(22/94 CG1)

13 (INT 13) 1Ed. 9/25/82 LAST NM 34/94 53/94
Delete R Bn at light 40°38′N 73°12′W
(23/94 CG1)

13 (INT 13) 1Ed. 9/25/82 LAST NM 53/94 1/95
Delete R Bn at light 26°55′N 80°07′W
(47/94 CG7)

13 (INT 13) 1Ed. 9/25/82 LAST NM 1/95 2/95
Delete R Bn at light 30°22′N 81°23′W
(49/94 CG7)

13 (INT 13) 1Ed. 9/25/82 LAST NM 2/95 10/95
Delete R Bn at light 33°55′N 78°02′W
35°50′N 75°31′W

R Bn and light symbol 38°49′N 74°35′W

Add R Bn 38°48′N 75°05′W
(2/95 CG5; USCG LL)

13 (INT 13) 1Ed. 9/25/82 LAST NM 10/95 11/95
Delete R Bn at light 41°09′N 71°35′W
40°25′N 73°50′W
(4, 5/95 CG1)

13 (INT 13) 1Ed. 9/25/82 LAST NM 11/95 29/95
Add Depth 587 meters 6°21′N 32°58′W
(14(56)95 Brest)

13 (INT 13) 1Ed. 9/25/82 LAST NM 29/95 1/96
Add Light symbol 6°03′S 35°07′W
(20(217P)95 Rio de Janeiro)

13 (INT 13) 1Ed. 9/25/82 LAST NM 1/96 11/96
Add Light symbol 2°23′S 43°16′W
(22(243)95 Rio de Janeiro)

13 (INT 13) 1Ed. 9/25/82 LAST NM 11/96 12/96
Delete R Bn at light 22°01′N 80°25′W
(5(103)95 Habana)

13 (INT 13) 1Ed. 9/25/82 LAST NM 12/96 14/96
Delete R Bn at light 36°52′N 75°42′W

R Bn 38°48′N 75°05′W
34°42′N 76°41′W
(8/96 CG5; SMEA009/96)

13 (INT 13) 1Ed. 9/25/82 LAST NM 14/96 17/96
Delete Depth 104 meters 38°20′N 30°06′W
(4(33)96 Brest)

13 (INT 13) 1Ed. 9/25/82 LAST NM 17/96 36/96
Delete R Bn at light 49°05′N 61°40′W
(7(373)96 Ottawa)

13 (INT 13) 1Ed. 9/25/82 LAST NM 36/96 42/96
Delete R Bn at light 46°03′N 59°40′W
45°21′N 60°55′W
(8(426, 430)96 Ottawa)

13 (INT 13) 1Ed. 9/25/82 LAST NM 42/96 51/96
Delete R Bn at light 27°35′N 82°40′W
(GIMM050/96)

13 (INT 13) 1Ed. 9/25/82 LAST NM 51/96 23/97
Delete Purple circle at light 22°41′N 78°53′W
(9(222)96 Habana)

13 (INT 13) 1Ed. 9/25/82 LAST NM 23/97 28/97
Delete R Bn at light 28°25′N 80°32′W
(GIMM002/97)

13 (INT 13) 1Ed. 9/25/82 LAST NM 28/97 32/97
Delete R Bn at light 1°22′S 45°00′W
(12(99)97 Rio de Janeiro)

13 (INT 13) 1Ed. 9/25/82 LAST NM 32/97 37/97
Delete Light symbol and R Bn 40°30′N 69°25′W
(31/97 CG1)

13 (INT 13) 1Ed. 9/25/82 LAST NM 37/97 11/00
Delete R Bn at light 43°58′N 60°04′W
(6(1137)99 Ottawa)

13 (INT 13) 1Ed. 9/25/82 LAST NM 11/00 27/04
Substitute Depth 26 meters for 8 meters 16°54′N 83°20′W
(NTM0012/2004)

13 (INT 13) 1Ed. 9/25/82 LAST NM 27/04 26/05
Add Depth 1116 meters "Rep (2005)" 27°26′N 76°35′W
(NTM0024/2005)

13 (INT 13) 1Ed. 9/25/82 LAST NM 26/05 10/08
Add Depth 104 meters enclosed by depth contour
(200-meter) 38°19′N 30°06′W
(10(1158)03 Taunton)

13 (INT 13) 1Ed. 9/25/82 LAST NM 10/08 23/09
Add Superbuoy ODAS [Q58] "41049" Y,
Fl(4) Y 20s 27°30′N 63°00′W

Superbuoy ODAS [Q58] "41044" Y,
Fl(4) Y 20s 21°39′N 58°42′W
(NTM0025/2009)

13 (INT 13) 1Ed. 9/25/82 LAST NM 23/09 29/09
Add Superbuoy ODAS [Q58] "42060" Y,
Fl(4) Y 20s 16°30′N 63°30′W
(NTM0025/2009)

13 (INT 13) 1Ed. 9/25/82 LAST NM 29/09 33/09
Add Depth 536 meters 32°13′N 77°44′W
Depth 3968 meters 30°11′N 75°51′W
(NTM0022/2009)

★**14** (INT 14) 4Ed. 9/7/96 NEW EDITION 48/96
(NIMA)

14 (INT 14) 4Ed. 9/7/96 LAST NM 48/96 12/98
Add Depth 27 meters 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

14 (INT 14) 4Ed. 9/7/96 LAST NM 12/98 5/99
Delete RC at light 49°58.0′N 6°25.0′W
58°31.0′N 6°15.0′W
51°22.0′N 9°49.0′W
55°19.0′N 8°15.0′W
54°15.0′N 10°05.0′W
(30/98 Trinity House; BA RA)

14 (INT 14) 4Ed. 9/7/96 LAST NM 5/99 18/99
Delete RC at light 60°08′N 5°01′E
61°02′N 4°30′E
(1(67)99 Stavanger)

14 (INT 14) 4Ed. 9/7/96 LAST NM 18/99 48/00
Delete RC at light 48°28′N 5°08′W
(3(13)00 Brest)

14 (INT 14) 4Ed. 9/7/96 LAST NM 48/00 34/01
Delete RC at light 37°01′N 9°00′W
(4(145)00 Lisboa; Por LL)

14 (INT 14) 4Ed. 9/7/96 LAST NM 34/01 42/04
Delete Depth 90 meters 54°00′N 13°10′W
(NTM0019/2004)

14 (INT 14) 4Ed. 9/7/96 LAST NM 42/04 8/06
Delete RC at light 33°35′N 7°40′W
RC (AERO) 33°05′N 16°22′W
(28(294)05 Cadiz)

14 (INT 14) 4Ed. 9/7/96 LAST NM 8/06 20/06
Delete RC at light 35°48′N 5°56′W
RC at light 42°54′N 9°12′W
RC (AERO) 41°20′N 8°40′W
(40(400)05 Cadiz; Spn LL)

14 (INT 14) 4Ed. 9/7/96 LAST NM 20/06 10/08
Add Depth 213 meters enclosed by depth contour
(1000-meter) 44°07′N 22°07′W
Depth 104 meters enclosed by depth contour
(200-meter) 38°19′N 30°06′W
(10(1157, 1158)03 Taunton)

14 (INT 14) 4Ed. 9/7/96 LAST NM 10/08 40/08
Add Superbuoy ODAS [Q58] "M4" Y, Fl(5) Y 20s
55°00′N 10°00′W
Superbuoy ODAS [Q58] "M6" Y, Fl(5) Y 20s
53°04′N 15°56′W
(42(4778)06, 24(2717)07 Taunton)

★**17** 43Ed. 10/28/44 NEW EDITION 44/44
(USHO)

17 43Ed. 10/28/44 LAST NM 44/44 8/87
Change Note in lower left margin of chart to

"Users should refer corrections,
additions and comments for
improving this product to:
DIRECTOR, DEFENSE MAPPING
AGENCY HYDROGRAPHIC/
TOPOGRAPHIC CENTER, ATTN:
PR, Washington, D.C. 20315-0030."
(MCNM7880/87)

★**20** (INT 20) 3Ed. 5/10/97 NEW EDITION 28/97
(NIMA)

20 (INT 20) 3Ed. 5/10/97 LAST NM 28/97 32/97
Delete R Bn at light 1°17′S 44°54′W
(12(99)97 Rio de Janeiro)

20 (INT 20) 3Ed. 5/10/97 LAST NM 32/97 46/97
Substitute Depth 359 meters for 424 meters 55°57′S 27°42′W

Add Depth 146 meters 53°56′S 35°34′W
(30(2705)97 Taunton)

20 (INT 20) 3Ed. 5/10/97 LAST NM 46/97 2/98
Add Depth
231 meters 53°56′S 52°29′W
614 meters 54°03′S 51°34′W
(47(4223)97 Taunton)

20 (INT 20) 3Ed. 5/10/97 LAST NM 2/98 11/98
Delete R Bn (AERO) at light 11°00′S 37°04′W
(GIMM002/98)

20 (INT 20) 3Ed. 5/10/97 LAST NM 11/98 45/99
Add Depth [I10] 728 meters 47°23′S 12°57′W
(6(64)99 Cape Town)

20 (INT 20) 3Ed. 5/10/97 LAST NM 45/99 9/00
Delete Depth 13 meters 17°00′S 37°40′W

Depth 12 meters and enclosing
dotted-line circle centered 17°00′S 37°00′W
(24(188)99 Rio de Janeiro)

20 (INT 20) 3Ed. 5/10/97 LAST NM 9/00 18/03
Delete R Bn (AERO) 4°50′N 52°22′W
(7(56)00 Brest)

20 (INT 20) 3Ed. 5/10/97 LAST NM 18/03 25/07
Add Depth 1589 meters enclosed by depth contour
(2000-meter) 38°53′S 15°30′W
Depth 1350 meters enclosed by depth contour
(2000-meter) 35°07′S 15°21′W
Depth 1706 meters enclosed by depth contour
(2000-meter) 29°41′S 14°05′W
Depth 1542 meters enclosed by depth contour
(2000-meter) 31°10′S 13°42′W
Depth 1528 meters enclosed by depth contour
(2000-meter) 32°10′S 13°00′W
Depth 1337 meters enclosed by depth contour
(2000-meter) 32°30′S 14°06′W
Depth 1271 meters enclosed by depth contour
(2000-meter) 33°42′S 14°19′W

Depth 870 meters enclosed by
dashed-line circle 34°38′S 15°18′W
(NTM0011/2007)

20 (INT 20) 3Ed. 5/10/97 LAST NM 25/07 40/07
Add Depth 512 meters 53°29′S 44°46′W
Depth 1615 meters 53°12′S 48°16′W
Depth 929 meters 53°04′S 46°35′W
Depth 443 meters 54°20′S 40°02′W
Depth 1882 meters 55°38′S 43°11′W

Depth 110 meters, blue tint and enclosing
depth contour (200-meter) centered 53°24′S 44°44′W
(NTM0011/2007)

20 (INT 20) 3Ed. 5/10/97 LAST NM 40/07 19/08
Add Depth 492 meters "Rep (2007)" 32°02′S 32°47′W

"Depths to 70m rep (2007)" area bound by
dashed line joining 29°41′S 36°25′W
30°18′S 35°31′W
30°35′S 33°47′W
31°32′S 34°27′W
31°22′S 35°36′W
30°49′S 36°54′W
30°08′S 36°54′W
(NTM0009/2007)

20 (INT 20) 3Ed. 5/10/97 LAST NM 19/08 4/09
Delete R Bn at light 38°05′S 57°32′W
(7(84)08 Buenos Aires; BA LL)

★**21** (INT 21) 4Ed. 3/30/96 NEW EDITION 22/96
Delete R Bn (AERO) 5°40′N 0°10′W
5°53′S 12°20′E

R Bn (AERO) at light 2°47′S 10°01′E
(DMA; BA RA)

21 (INT 21) 4Ed. 3/30/96 LAST NM 22/96 29/96
Substitute Depth
234 meters for 303 meters 6°19′N 22°37′W
762 meters for 1460 meters 6°10′N 24°52′W
(23(1907)96 Taunton)

21 (INT 21) 4Ed. 3/30/96 LAST NM 29/96 7/98
Delete Depth 73 meters 30°55′S 15°04′E
(39(3484)97 Taunton)

21 (INT 21) 4Ed. 3/30/96 LAST NM 7/98 35/98
Add Depth 1240 meters "Rep (1997)" 53°01′S 19°21′E
(36(5401)98 St. Petersburg)

21 (INT 21) 4Ed. 3/30/96 LAST NM 35/98 44/98
Substitute Depth 7 meters for 11 meters 31°41.0′S 8°22.0′E
(6(462)98 Taunton)

21 (INT 21) 4Ed. 3/30/96 LAST NM 44/98 45/99
Delete R Bn at light 22°54′S 14°26′E

Add Depth [I10] 728 meters 47°23′S 12°57′W
Depth [I10] 546 meters 47°04′S 8°30′W
Depth [I10] 584 meters 51°38′S 1°10′W
Depth [I10] 498 meters 54°25′S 4°40′E
Depth [I10] 746 meters 53°46′S 6°32′E
Depth [I10] 568 meters 50°03′S 4°57′E
Depth [I10] 761 meters 53°15′S 9°59′E
Depth [I10] 530 meters 53°19′S 22°10′E
(5(53), 6(64)99 Cape Town)

21 (INT 21) 4Ed. 3/30/96 LAST NM 45/99 52/99
Delete Depth 49 meters 33°54′S 26°47′E
(5(58)99 Cape Town)

21 (INT 21) 4Ed. 3/30/96 LAST NM 52/99 34/00
Delete R Bn at light 26°40′S 15°05′E
R Bn at light 34°21′S 18°29′E
R Bn at light 34°50′S 20°01′E
R Bn at light 34°01′S 25°42′E
R Bn (AERO) at light 33°02′S 27°54′E
(3(36), 4(50)00 Cape Town)

21 (INT 21) 4Ed. 3/30/96 LAST NM 34/00 34/01
Delete Light 19°23′S 12°43′E
Light 20°03′S 13°03′E
(2(34)01 Cape Town)

21 (INT 21) 4Ed. 3/30/96 LAST NM 34/01 4/04
Delete Depth 95 meters and enclosing danger circle centered 33°15′S 16°39′E
(11-12(75)03 Cape Town)

21 (INT 21) 4Ed. 3/30/96 LAST NM 4/04 13/07
Add Depth 232 meters enclosed by dotted-line circle 33°58′S 02°24′W

Depth 768 meters 33°04′S 02°43′W
(NTM0014/2006)

21 (INT 21) 4Ed. 3/30/96 LAST NM 13/07 25/07
Substitute Depth 990 meters for 1360 meters 35°37′S 11°16′W

Add Depth 1589 meters enclosed by depth contour (2000-meter) 38°53′S 15°30′W
Depth 1350 meters enclosed by depth contour (2000-meter) 35°07′S 15°21′W
(NTM0011/2007)

21 (INT 21) 4Ed. 3/30/96 LAST NM 13/07 26/07
Substitute Depth 1271 meters for 1854 meters 33°42′S 14°19′W

Add Depth 1706 meters enclosed by dashed-line circle 29°41′S 14°05′W
Depth 1542 meters enclosed by dashed-line circle 31°10′S 13°42′W
Depth 1528 meters enclosed by dashed-line circle 32°10′S 13°00′W
Depth 1337 meters enclosed by dashed-line circle 32°30′S 14°06′W
Depth 870 meters enclosed by dashed-line circle 34°38′S 15°18′W
(NTM0011/2007)

21 (INT 21) 4Ed. 3/30/96 LAST NM 26/07 41/07
Add Depth 1091 meters 46°53′S 7°44′E
Depth 950 meters 54°15′S 1°38′E
Depth 1327 meters 55°06′S 3°45′E
Depth 1286 meters 55°25′S 6°05′E
(NTM0011/2007)

21 (INT 21) 4Ed. 3/30/96 LAST NM 41/07 19/08
Add Danger circle [K1] "Shoal rep (2007)" 34°29′S 5°00′W
Depth 417 meters "Rep (2007)" 34°30′S 3°52′W
Depth 344 meters "Rep (2007)" 33°15′S 0°30′W

"Shoal rep (2007)" area bound by dotted line joining 32°49′S 2°53′W
32°49′S 2°26′W
33°09′S 2°26′W
33°09′S 2°53′W
(NTM0009/2007)

21 (INT 21) 4Ed. 3/30/96 LAST NM 19/08 35/08
Add Depth 556 meters "Rep (2007)" 34°49′S 4°25′W
(NTM0009/2007)

★**21** (INT 21) 4Ed. 3/30/96 LAST NM 35/08 18/09
Add Danger circle [K1] "Shoal rep (2008)", radius 7 miles, centered 43°01′S 1°18′E
Danger circle [K1] "Shoal rep (2008)", radius 7 miles, centered 49°00′S 8°04′E
(NTM0009/2009)

★**22** (INT 22) 1Ed. 11/14/81 NEW CHART 2/82
Add Depth 638 meters 31°46′S 2°12′E
(DMAHTC; 44(2598)81 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 2/82 13/82
Add Depth 230 meters 26°12′S 6°15′E
(1(15)82 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 13/82 21/82
Delete Depth 272 meters 1°10′N 30°19′W

Add Depths
275 meters 3°38′S 36°43′W
1680 meters 1°23′N 30°25′W
(15(132)81; 1(18)82 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 21/82 22/82
Substitute Depth 49 meters for 19 meters 0°07′N 45°30′W
(15(133)81 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 22/82 32/82
Substitute Depth 23 meters for 27 meters 17°50′S 35°58′W
(22(222)81 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 32/82 45/82
Delete Danger circles "ED" 17°10′S 35°42′W
17°35′S 35°15′W
(12(114)82 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 45/82 46/82
Substitute Depth 70 meters for 95 meters 9°43.9′S 12°48.3′W
(28(1714)82 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 46/82 47/82
Delete Light 0°43′S 8°41′E
(BA LL)

22 (INT 22) 1Ed. 11/14/81 LAST NM 47/82 24/83
Add Light symbol 0°43′S 8°41′E
(Supersedes 47/82-22)
(9(41)83 Brest)

22 (INT 22) 1Ed. 11/14/81 LAST NM 24/83 30/83
Delete Depth 22 meters 33°50′S 3°10′W
(5(40)83 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 30/83 31/83
Substitute Depth 48 meters for 18 meters 3°26′S 35°03′W

Add Depth 27 meters 20°32′S 38°07′W
(NVS6978/83)

22 (INT 22) 1Ed. 11/14/81 LAST NM 31/83 37/83
Add Depth 598 meters 30°40′S 35°27′W
(29(1876)83 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 37/83 43/83
Relocate R Bn (AERO) close NNE to 8°02′S 34°57′W
(14(119)83 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 43/83 6/84
Add Depth 29 meters "Rep (1983)" 3°53′N 48°50′W
(22(202)83 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 6/84 23/84
Delete Depth 256 meters 8°20′S 16°53′W

Add Depth 256 meters 8°28.8′S 17°04.6′W
(NVS7266/84)

22 (INT 22) 1Ed. 11/14/81 LAST NM 23/84 24/84
Add Depth 146 meters 4°29′N 9°18′W
(BA CH 1365)

22 (INT 22) 1Ed. 11/14/81 LAST NM 24/84 27/84
Change Legend "Kitona Base" to "Banana" 6°10′S 13°10′E
(17(1103)84 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 27/84 35/84
Delete Depth 214 meters 39°28′S 6°37′W

Add Depths
240 meters 39°27′S 7°58′W
176 meters 39°32′S 6°37′W
(28(1822)84 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 35/84 47/84
Add R Bn (AERO) (PA) 15°56′S 5°43′W
(30(1968)84 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 47/84 7/85
Add Depth 11 meters "Rep (1984)" 3°16′N 48°20′W
(NVS7387/85)

22 (INT 22) 1Ed. 11/14/81 LAST NM 7/85 9/85
Delete Depths
124 meters 15°41.5′S 6°59.0′W
655 meters 42°29.0′S 1°29.0′W

Add Depths
105 meters 15°38.5′S 6°57.5′W
326 meters 42°33.0′S 1°31.0′W
(2(129)84 Taunton; 10(96)84 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 9/85 17/85
Add Depths
22 meters 33°50.0′S 3°09.0′W
232 meters 33°58.0′S 2°25.0′W
(12(150)84 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 17/85 33/85
Add Depth 35 meters 16°35.1′S 38°29.0′W
(7(69)85 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 33/85 40/85
Add Depth
12 meters "Rep (1966)" (PA) 21°25.0′S 40°13.0′W
10 meters "Rep (1985)" (PA) 3°24.0′N 48°12.9′W
(HNNM7581, 7572/85)

22 (INT 22) 1Ed. 11/14/81 LAST NM 40/85 42/85
Add R Bn with light flare symbol 20°30′S 29°20′W
(35(2351)85 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 42/85 15/86
Substitute Depth 143 meters for 150 meters 40°10′S 8°34′W
(2(24)86 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 15/86 35/86
Substitute Depth 10 meters (PA) for 16 meters 3°19.0′N 48°08.0′W
(12(159)86 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 35/86 39/86
Delete Depth 118 meters (PD) 4°15′S 34°55′W
(17(1276)86 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 39/86 45/86
Add Depth 1699 meters 37°41′S 16°03′E
(9(85)86 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 45/86 28/87
Add Depth 153 meters "Rep (1987)" 27°17′S 39°03′W
(8(650)87 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 28/87 45/87
Add Light symbol, R Bn with legend
"Doringbaai" 31°49′S 18°14′E
(8(54)87 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 45/87 6/88
Delete Depth 35 meters 5°32′N 10°08′W
(MCNM8046/88)

22 (INT 22) 1Ed. 11/14/81 LAST NM 6/88 26/88
Add Legend "(ED)" to depth 78 meters 6°30′N 52°16′W
(53(61)87 Brest)

22 (INT 22) 1Ed. 11/14/81 LAST NM 26/88 36/88
Add Depth 159 meters 3°29′S 37°30′W
(MCNM8136/88)

22 (INT 22) 1Ed. 11/14/81 LAST NM 36/88 38/88
Add Depth 22 meters enclosed by
danger circle (PA) 4°53′S 35°01′W
(12(N183)88 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 38/88 20/89
Add Depth 104 meters enclosed by
danger circle "Rep (1988)" (PA) 20°43′S 32°15′W
(20(E310)88 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 20/89 21/89
Add Depth 90 meters 40°06′S 9°07′W
(14(1105)89 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 21/89 33/89
Add Depth 213 meters 9°45′S 12°05′W
(25(1880)89 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 33/89 40/89
Delete R Bns (AERO) 1°23′S 48°28′W
5°10′S 37°21′W
8°02′S 34°57′W
(10(G152)89 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 40/89 8/90
Delete R Bn (AERO) at light 4°15′N 7°43′W
(44(3315)89 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 8/90 26/90
Delete R Bn (AERO) 5°40′N 0°04′E
(MCNM1027/90)

22 (INT 22) 1Ed. 11/14/81 LAST NM 26/90 28/90
Delete Depth 143 meters
and enclosing depth contour 7°46.0′N 56°49.0′W
(MCNM1032/90)

22 (INT 22) 1Ed. 11/14/81 LAST NM 28/90 31/90
Add Depth 7 meters 17°10′S 37°01′W
(15(1181)90 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 31/90 39/90
Delete Depth 9 meters "P.A." 4°00′S 36°04′W
(27(1940)90 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 39/90 47/90
Substitute Depth 26 meters for 29 meters 35°02′S 19°56′E
(26(1851)90 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 47/90 51/90
Delete Depth 18 meters 5°29′N 0°36′E
(34(2403)90 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 51/90 16/91
Add Legend "Volcanic Activity Rep (1989)"
to depth 90 meters 40°06′S 9°07′W
(MCNM1046/90)

22 (INT 22) 1Ed. 11/14/81 LAST NM 16/91 17/91
Add Depth 677 meters 43°00′S 2°31′W
(MCNM1079/91)

22 (INT 22) 1Ed. 11/14/81 LAST NM 17/91 18/91
Add Depths
701 meters 6°28′S 1°12′E
661 meters 9°30′S 0°28′W
(7(499)91 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 18/91 29/91
Substitute Depth 1300 meters for 1800 meters 42°45′S 7°46′W
(5(31)91 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 29/91 50/91
Delete Depth 152 meters 36°15′S 20°50′E

Add Depth 112 meters 36°29′S 20°54′E
(27(1951)91 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 50/91 4/92
Add Depth 576 meters 19°26′S 10°07′E
(34(2452)91 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 4/92 29/93
Delete Light 0°38′S 8°42′E
(BA LL)

22 (INT 22) 1Ed. 11/14/81 LAST NM 29/93 36/93
Delete R Bn (AERO) 0°23′N 6°42′E

Add Depth 269 meters 38°45′S 11°42′W
(6(49)93 Cape Town; BA RA)

22 (INT 22) 1Ed. 11/14/81 LAST NM 36/93 51/93
Delete R Bn 0°46′N 50°07′W
(19(165)93 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 51/93 30/94
Add Depth 2.4 meters enclosed by
danger circle 20°03.5′S 37°07.5′W
(9(83)94 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 30/94 43/94
Delete Depth 2.4 meters and enclosing
danger circle 20°03.5′S 37°07.5′W
(Cancels 30/94-22)
(9(83)94 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 43/94 29/95
Add Depth 587 meters 6°21′N 32°58′W
(14(56)95 Brest)

22 (INT 22) 1Ed. 11/14/81 LAST NM 29/95 1/96
Add Light symbol 6°03′S 35°07′W
(20(217P)95 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 1/96 8/96
Add Light symbol 31°53′S 51°46′W
(11(132)95 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 8/96 11/96
Add Light symbol 2°23′S 43°16′W
(22(243)95 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 11/96 29/96
Add Depth
234 meters 6°19′N 22°37′W
762 meters 6°10′N 24°52′W
(23(1907)96 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 29/96 32/97
Delete R Bn at light 1°17′S 44°54′W
(12(99)97 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 32/97 7/98
Delete Depth 73 meters 30°55′S 15°08′E
(39(3484)97 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 7/98 11/98
Delete R Bn (AERO) at light 11°00′S 37°04′W
(GIMM002/98)

22 (INT 22) 1Ed. 11/14/81 LAST NM 11/98 44/98
Substitute Depth 7 meters for 11 meters 31°41.0′S 8°22.0′E
(6(462)98 Taunton)

22 (INT 22) 1Ed. 11/14/81 LAST NM 44/98 45/99
Delete R Bn at light 22°54′S 14°26′E
(5(53)99 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 45/99 9/00
Delete Depth 13 meters 16°59′S 37°40′W

Depth 12 meters and enclosing
dotted-line circle centered 17°00′S 37°00′W
(24(188)99 Rio de Janeiro)

22 (INT 22) 1Ed. 11/14/81 LAST NM 9/00 34/00
Delete R Bn at light 26°40′S 15°05′E
R Bn at light 31°49′S 18°20′E
R Bn at light 34°21′S 18°29′E
R Bn at light 34°50′S 20°01′E
R Bn at light 34°13′S 24°50′E
R Bn at light 34°02′S 25°42′E
R Bn at light 33°02′S 27°54′E
R Bn 34°25′S 20°50′E
R Bn (AERO) 34°11′S 22°09′E
(3(36), 4(50)00 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 34/00 18/03
Delete R Bn (AERO) 4°50′N 52°22′W
(7(56)00 Brest)

22 (INT 22) 1Ed. 11/14/81 LAST NM 18/03 4/04
Delete Depth 95 meters and enclosing danger circle
centered 33°12′S 16°39′E
(11-12(75)03 Cape Town)

22 (INT 22) 1Ed. 11/14/81 LAST NM 4/04 11/06
Add Depth 380 meters 30°48′S 35°18′W
Depth 549 meters 33°35′S 31°12′W
Depth 996 meters 33°40′S 30°56′W
(NTM0014/2006)

22 (INT 22) 1Ed. 11/14/81 LAST NM 11/06 13/07
Delete Depth 22 meters 33°50′S 4°09′W
Depth 887 meters 33°42′S 3°40′W

Add Depth 1620 meters 33°33′S 0°52′W
Depth 1284 meters 34°08′S 1°52′W
Depth 1087 meters 34°40′S 4°27′W
Depth 918 meters 34°33′S 3°47′W
Depth 775 meters 33°52′S 3°34′W
Depth 768 meters 33°04′S 2°43′W
Depth 1567 meters 32°58′S 5°08′W
Depth 2648 meters 31°17′S 0°37′W
(NTM0014/2006)

22 (INT 22) 1Ed. 11/14/81 LAST NM 13/07 19/08
Add Danger circle [K1] "Shoal rep (2007)" 34°29′S 5°00′W
Depth 417 meters "Rep (2007)" 34°30′S 3°52′W
Depth 344 meters "Rep (2007)" 33°15′S 0°30′W
Depth 492 meters "Rep (2007)" 32°02′S 32°47′W

"Shoal rep (2007)" area bound by dotted line
joining 32°49′S 2°53′W
32°49′S 2°26′W
33°09′S 2°26′W
33°09′S 2°53′W

(continued on next page)

22 (Continued) 19/08
"Depths to 70m rep (2007)" area bound by dashed line joining 29°41′S 36°25′W
30°18′S 35°31′W
30°35′S 33°47′W
31°32′S 34°27′W
31°22′S 35°36′W
30°49′S 36°54′W
30°08′S 36°54′W
(NTM0009/2007)

22 (INT 22) 1Ed. 11/14/81 LAST NM 19/08 35/08
Add Depth 556 meters "Rep (2007)" 34°49′S 4°25′W
(NTM0009/2007)

22 (INT 22) 1Ed. 11/14/81 LAST NM 35/08 4/09
Delete R Bn at light 38°05′S 57°32′W
(7(84)08 Buenos Aires; BA LL)

★**24** 20Ed. 12/6/20 NEW EDITION 49/20
(USHO)

24 20Ed. 12/6/20 LAST NM 49/20 8/87
Change Note in lower left margin of chart to

"Users should refer corrections, additions, and comments for improving this product to: DIRECTOR, DEFENSE MAPPING AGENCY HYDROGRAPHIC/ TOPOGRAPHIC CENTER, ATTN: PR, Washington, D.C. 20315-0030."
(MCNM7880/87)

★**50** (INT 50) 6Ed. 6/03 NEW EDITION 32/03
(NOS)

50 (INT 50) 6Ed. 6/03 LAST NM 32/03 34/03
Relocate Superbuoy ODAS "46066" from 52°38′N 155°00′W to 53°15′N 155°09′W

Add Superbuoy ODAS [Q58] "46084" 56°35′N 136°10′W
Superbuoy ODAS [Q58] "46082" 59°37′N 143°40′W
Superbuoy ODAS [Q58] "46080" 58°00′N 150°00′W
(26/03 CG17)

50 (INT 50) 6Ed. 6/03 LAST NM 34/03 40/03
Add Superbuoy ODAS [Q58] "46012" 37°22′N 122°53′W
(35/03 CG11)

50 (INT 50) 6Ed. 6/03 LAST NM 40/03 50/03
Add Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 51°38′N 172°09′W

(Continuation)
Add Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 51°38′N 172°09′W
(NTM0022/2003)

50 (INT 50) 6Ed. 6/03 LAST NM 50/03 8/05
Add Superbuoy ODAS [Q58] "46089" Y, Fl(4) Y 20s 45°53′N 125°46′W
(46/04 CG13)

50 (INT 50) 6Ed. 6/03 LAST NM 8/05 26/05
Add Depth 3968 meters "Rep (2004)" 19°01′N 134°33′W
(NTM0025/2005)

50 (INT 50) 6Ed. 6/03 LAST NM 26/05 33/05
Add Depth 457 meters 21°44′N 158°38′W
(NTM0013/2005)

50 (INT 50) 6Ed. 6/03 LAST NM 33/05 5/06
Delete Light symbol 43°20′N 124°21′W
(1/06 CG13)

50 (INT 50) 6Ed. 6/03 LAST NM 5/06 8/06
Change Legend "12°E (3′W)" to "14°E (3′W)" 32°55′N 142°00′W
(NTM0010/2006)

50 (INT 50) 6Ed. 6/03 LAST NM 8/06 10/06
Add Danger circle [K1] "Subm buoys (cov 20m)" 50°00′N 145°00′W
(NTM0010/2006)

50 (INT 50) 6Ed. 6/03 LAST NM 10/06 18/06
Substitute Depth 62 meters for 75 meters 32°39′N 117°58′W
Depth 89 meters for 97 meters 32°05′N 118°10′W
(NTM0023/2006)

50 (INT 50) 6Ed. 6/03 LAST NM 18/06 30/06
Add Depth 526 meters "Rep (2005)" 31°22′N 118°37′W
(NTM0019/2005)

50 (INT 50) 6Ed. 6/03 LAST NM 30/06 31/06
Add Superbuoy ODAS [Q58] "46022" Y, Fl(4) Y 20s 40°47′N 124°33′W
(3/06 CG11)

50 (INT 50) 6Ed. 6/03 LAST NM 31/06 52/06
Add Superbuoy ODAS [Q58] "46014" Y, Fl(4) Y 20s 39°12′N 123°58′W
(40/06 CG11)

50 (INT 50) 6Ed. 6/03 LAST NM 52/06 4/07
Substitute Depth 399 meters for 388 meters 25°20′N 119°31′W

Add Depth 737 meters 25°42′N 119°38′W
(NTM0042/2006)

50 (INT 50) 6Ed. 6/03 LAST NM 4/07 8/07
Delete Position circle 47°54′N 124°39′W

Add Superbuoy ODAS [Q58] "46419" Y, Fl(4) Y 20s 48°29′N 129°22′W
(32, 34/06 CG13)

50 (INT 50) 6Ed. 6/03 LAST NM 8/07 19/07
Add Superbuoy ODAS [Q58] "46411" Y, Fl(4) Y 20s 39°20′N 127°00′W
Superbuoy ODAS [Q58] "46412" Y, Fl(4) Y 20s 32°15′N 120°42′W
(12/07 CG11)

50 (INT 50) 6Ed. 6/03 LAST NM 19/07 34/07
Add Superbuoy ODAS [Q58] "46015" Y, Fl(4) Y 20s 42°45′N 124°50′W
(23/07 CG13)

50 (INT 50) 6Ed. 6/03 LAST NM 34/07 36/07
Add Superbuoy ODAS [Q58] "46053" Y, Fl(4) Y 20s 34°14′N 119°51′W
(9/07 CG11)

50 (INT 50) 6Ed. 6/03 LAST NM 36/07 2/08
Add Superbuoy DART [Q26] "21415" RW, Fl(4) Y 20s 50°10′N 171°50′W

(Continuation)
Add Superbuoy DART [Q26] "21415" RW, Fl(4) Y 20s 50°10′N 171°50′W
(31/07 CG17)

50 (INT 50) 6Ed. 6/03 LAST NM 2/08 3/08
Substitute Depth 25 meters for 23 meters 53°18′N 135°39′W
(NOS)

P 50 (INT 50) 6Ed. 6/03 LAST NM 3/08 10/08
Add Purple dashed line (reporting area outer limit) [N1.2] joining 26°57′N 173°05′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

(continued on next page)

P 50 (Continued) 10/08

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°48′N 166°38′W
24°04′N 168°28′W
24°53′N 173°05′W
Note: Area extends beyond chart border

Legend "Particularly Sensitive Sea Area (see note R)" along above limit 26°33′N 170°00′W

Note
"NOTE R
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, charts 19016, and 19019 (MSC IMO, 83rd Session, 2007)." 40°30′N 119°30′W
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO and are effective at 0001 UTC 1 May 2008
(NTM0001/2008)

50 (INT 50) 6Ed. 6/03 LAST NM 10/08 17/08
Add Purple dashed line (reporting area outer limit) [N1.2] joining 26°57′N 173°05′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°48′N 166°38′W
24°04′N 168°28′W
24°53′N 173°05′W
Note: Area extends beyond chart border

Legend "Particularly Sensitive Sea Area (see note R)" along above limit 26°33′N 170°00′W

Note
"NOTE R
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, charts 19016 and 19019 (MSC IMO, 83rd Session, 2007)". 40°30′N 119°30′W
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-50)
(NTM0001/2008)

50 (INT 50) 6Ed. 6/03 LAST NM 17/08 19/08
Add Superbuoy ODAS [Q58] "46085" Y, Fl(4) Y 20s 55°51′N 142°33′W
(19/07 CG17)

50 (INT 50) 6Ed. 6/03 LAST NM 19/08 20/08
Add Superbuoy ODAS [Q58] "46076" Y, Fl(4) Y 20s 59°30′N 148°00′W
(36/06 CG17)

50 (INT 50) 6Ed. 6/03 LAST NM 20/08 27/08
Add Superbuoy ODAS [Q58] "46409" Y, Fl(4) Y 20s (Priv) (PA) 55°18′N 148°30′W
Superbuoy ODAS [Q58] "46410" Y, Fl(4) Y 20s (Priv) (PA) 57°30′N 144°00′W
(37/06 CG17)

50 (INT 50) 6Ed. 6/03 LAST NM 27/08 28/08
Add Superbuoy ODAS [Q58] "46408" Y, Fl(4) Y 20s (PA) 49°37′N 169°52′W
Superbuoy ODAS [Q58] "46402" Y, Fl(4) Y 20s (PA) 51°04′N 164°00′W
(34/06 CG17)

50 (INT 50) 6Ed. 6/03 LAST NM 28/08 33/08
Add Buoy ODAS [Q58] "NOAA PMEL DART", conical, Fl Y 4s (Priv) 20°32′N 157°50′W
(11/08 CG14)

50 (INT 50) 6Ed. 6/03 LAST NM 33/08 38/08
Delete Light symbol 47°40′N 124°30′W
(16/08 CG13)

50 (INT 50) 6Ed. 6/03 LAST NM 38/08 43/08
Delete Superbuoy DART "21415" 50°10′N 171°50′W
(Supersedes 2/08-50)

Add Superbuoy DART [Q26] "46403" RW, Fl(4) Y 20s (Priv) (PA) 52°39′N 156°56′W

(Continuation)
Delete Superbuoy DART "21415" 50°10′N 171°50′W
(40/08 CG17)

50 (INT 50) 6Ed. 6/03 LAST NM 43/08 6/09
Add Depth 2746 meters 19°02′N 157°47′W
(NTM0003/2009)

50 (INT 50) 6Ed. 6/03 LAST NM 6/09 22/09
Add Superbuoy ODAS [Q58] "51000" Y, Fl(4) Y 20s 23°28′N 154°00′W

Superbuoy ODAS [Q58] "51100" Y, Fl(4) Y 20s 23°33′N 153°54′W

Superbuoy ODAS [Q58] "51101" Y, Fl(4) Y 20s 24°19′N 162°03′W
(18/09 CG14)

50 (INT 50) 6Ed. 6/03 LAST NM 22/09 23/09
Delete Superbuoy ODAS "46419" 48°29′N 129°22′W

Add Superbuoy ODAS [Q58] "46419" RW, Fl(4) Y 20s 48°48′N 129°36′W
(NOS)

50 (INT 50) 6Ed. 6/03 LAST NM 23/09 26/09
Add Depth 823 meters enclosed by dashed-line circle "Rep (2009)" 54°24′N 134°24′W
(NTM0005/2009)

50 (INT 50) 6Ed. 6/03 LAST NM 26/09 28/09
Add Depth 3511 meters 20°04′N 157°00′W
(NTM0032/2009)

50 (INT 50) 6Ed. 6/03 LAST NM 28/09 29/09
Delete R Bn (AERO) 16°44′N 169°32′W
(NOS)

★51 (INT 51) 1Ed. 2/6/82 NEW CHART 18/82
(DMAHTC)

51 (INT 51) 1Ed. 2/6/82 LAST NM 18/82 52/82
Add Depth 109 meters "Rep (1982)" 5°05′N 108°18′W
(NVS6821/82)

51 (INT 51) 1Ed. 2/6/82 LAST NM 52/82 3/83
Add Depth 46 meters "Rep (1981)" (PA) 29°33.0′N 116°28.0′W
(NVS6837/82)

51 (INT 51) 1Ed. 2/6/82 LAST NM 3/83 13/83
Delete Depth 2793 meters 22°50′N 117°22′W

Substitute Depth 439 meters for 521 meters 13°28′N 119°49′W

Add Depths
3902 meters 23°03′N 117°22′W
695 meters 28°45′N 116°00′W
388 meters 25°39′N 119°20′W
543 meters 15°20′N 110°56′W
(NVS6883/83)

51 (INT 51) 1Ed. 2/6/82 LAST NM 13/83 22/83
Add Depth 19 meters "Rep (1983)" 10°05.6′N 87°09.5′W
(NVS6930/83)

51 (INT 51) 1Ed. 2/6/82 LAST NM 22/83 37/83
Add Depth 302 meters "Rep (1983)" 19°11.5′N 105°00.0′W
(NVS7017/83)

51 (INT 51) 1Ed. 2/6/82 LAST NM 37/83 43/83
Substitute Depth 803 meters for 244 meters 29°13′N 116°19′W
(NVS6883/83)

51 (INT 51) 1Ed. 2/6/82 LAST NM 43/83 48/83
Substitute Depths
270 meters for 215 meters 0°13′S 88°43′W
184 meters for 197 meters 7°32′N 84°02′W

Add Depths
549 meters 7°45′N 85°52′W
925 meters 7°19′N 85°41′W
887 meters 7°40′N 84°45′W
439 meters 3°18′N 88°17′W
(NVS6906/83)

51 (INT 51) 1Ed. 2/6/82 LAST NM 48/83 52/83
Add Depth 68 meters "Rep (1983)" 12°25′N 88°17′W
(NVS0011/83)

51 (INT 51) 1Ed. 2/6/82 LAST NM 52/83 1/84
Add Depth 357 meters (PA) 6°59′N 81°42′W
(NVS7138/83)

51 (INT 51) 1Ed. 2/6/82 LAST NM 1/84 7/84
Add Chartlet, depicting changes in hydrography, from back of Section I 30°30′N 123°20′W
(US CH E1306)

51 (INT 51) 1Ed. 2/6/82 LAST NM 7/84 17/84
Delete Light 9°32′N 85°06′W
(NVS7233/84)

51 (INT 51) 1Ed. 2/6/82 LAST NM 17/84 6/85
Substitute Depths
1518 meters for 518 meters 7°02′N 161°55′W
1327 meters for 1827 meters 5°00′N 161°10′W
(NVS7383/85)

51 (INT 51) 1Ed. 2/6/82 LAST NM 6/85 19/85
Add Depth 225 meters "Rep (1984)" 9°29′N 160°58′W
(NVS7391/85)

51 (INT 51) 1Ed. 2/6/82 LAST NM 19/85 34/85
Add Purple dashed lines (recommended route)
between 35°00′N 123°00′W
40°00′N 126°40′W

between 35°00′N 123°23′W
40°00′N 127°00′W

between 37°58′N 123°03′W
39°53′N 126°31′W

between 40°06′N 127°05′W
37°55′N 123°05′W

NOTE
"NOTE A
US Trans-Alaskan Pipeline System (TAPs) routes are recommended for safe routing of tank vessels between the Port of Valdez AK and US west coast ports. These are not IMO adopted recommended routes." 33°30′N 105°00′W

Legend "See Note A" 38°00′N 125°20′W

Purple open-outlined arrows indicating flow of traffic oriented
330.1° 38°00′N 124°40′W
150.1° 38°00′N 126°00′W
305.5° 39°10′N 124°40′W
125.2° 38°30′N 124°40′W
(HNNM7457/85)

51 (INT 51) 1Ed. 2/6/82 LAST NM 34/85 5/87
Add Superbuoy ODAS "32301", yellow, Fl(4) Y 20s 9°50.5′S 105°09.0′W
(MCNM7785/86)

★**51** (INT 51) 1Ed. 2/6/82 LAST NM 5/87 36/87
Add Light flare symbols 19°31′N 154°49′W
20°15′N 155°46′W
21°35′N 158°16′W

Superbuoys, each ODAS, yellow, Fl(4) Y 20s
"51001" 23°26′N 162°18′W
"51002" 17°11′N 157°50′W
"51003" 19°11′N 160°49′W
"51004" 17°32′N 152°37′W
"51005" 20°21′N 156°04′W
(26/87 CG14)

51 (INT 51) 1Ed. 2/6/82 LAST NM 36/87 15/88
Delete Depth 62 meters 6°40.0′S 81°20.0′W
(3(269)88 Taunton)

51 (INT 51) 1Ed. 2/6/82 LAST NM 15/88 19/88
Add Depth 74 meters "Rep (1987)" (PA) (ED) 36°18′N 163°16′W
(MCNM8089/88)

51 (INT 51) 1Ed. 2/6/82 LAST NM 19/88 36/88
Delete Depth 42 meters 4°58′S 82°10′W
(MCNM8141/88)

51 (INT 51) 1Ed. 2/6/82 LAST NM 36/88 39/88
Substitute Depth 626 meters for 1544 meters 16°03′N 108°39′W
(MCNM8144/88)

51 (INT 51) 1Ed. 2/6/82 LAST NM 39/88 44/88
Delete R Bn at light 6°52′S 80°45′W
(5(31)88 Callao)

51 (INT 51) 1Ed. 2/6/82 LAST NM 44/88 27/89
Delete Purple dashed lines (recommended route) and directional arrows
between 38°00′N 123°00′W
40°00′N 127°00′W

between 40°00′N 127°00′W
35°00′N 123°20′W

Legend "See Note A" 38°00′N 125°20′W

Note A 33°30′N 105°00′W
(MCNM1068/89)

51 (INT 51) 1Ed. 2/6/82 LAST NM 27/89 31/90
Add R Bn (AERO) 8°50.0′S 140°13.0′W
(10(45)90 Brest)

51 (INT 51) 1Ed. 2/6/82 LAST NM 31/90 39/90
Add Depth 17 meters "Rep (l989)" enclosed by danger circle 14°37′N 93°57′W
(30(2165)90 Taunton)

51 (INT 51) 1Ed. 2/6/82 LAST NM 39/90 13/91
Add Depth 532 meters "Rep (1990)" 4°25.2′S 109°58.3′W
(MCNM1079/91)

51 (INT 51) 1Ed. 2/6/82 LAST NM 13/91 22/91
Relocate Superbuoy ODAS "51004"
(17°32′N 152°37′W) to 17°32′N 152°28′W
(10/91 CG14)

51 (INT 51) 1Ed. 2/6/82 LAST NM 22/91 13/92
Relocate Superbuoy ODAS "51004"
(17°32′ N 152°28′W) to 17°26′N 152°30′W
(See 22/91-51)
(10/92 CG14)

51 (INT 51) 1Ed. 2/6/82 LAST NM 13/92 26/93
Delete Superbuoy ODAS "51005" 20°21.0′N 156°04.3′W
(19/93 CG14)

51 (INT 51) 1Ed. 2/6/82 LAST NM 26/93 33/93
Add R Bn (AERO) 10°23′S 161°00′W
(24(184)93 Auckland)

51 (INT 51) 1Ed. 2/6/82 LAST NM 33/93 18/94
Delete R Bn at light 37°42′N 123°00′W
(12/94 CG11)

51 (INT 51) 1Ed. 2/6/82 LAST NM 18/94 13/95
Delete R Bn at light 34°01′N 119°22′W
34°35′N 120°39′W
36°18′N 121°54′W
38°57′N 123°45′W
(USCG LL)

51 (INT 51) 1Ed. 2/6/82 LAST NM 13/95 26/95
Delete R Bn at light 32°40′N 117°15′W
(20/95 CG11)

51 (INT 51) 1Ed. 2/6/82 LAST NM 26/95 27/95
Delete R Bn at light 37°11′N 122°24′W
(21/95 CG11)

51 (INT 51) 1Ed. 2/6/82 LAST NM 27/95 35/95
Add Depth 710 meters 12°02′S 148°29′W
(21(16)95 Brest)

51 (INT 51) 1Ed. 2/6/82 LAST NM 35/95 36/96
Delete R Bn (AERO) 8°50.0′S 140°13.0′W
(BA RA)

51 (INT 51) 1Ed. 2/6/82 LAST NM 36/96 52/96
Add Depth 54 meters 10°13′S 137°55′W
(Fr CH 7371)

51 (INT 51) 1Ed. 2/6/82 LAST NM 52/96 36/97
Delete R Bn at light 1°50′N 78°41′W
3°45′N 77°05′W
4°15′N 77°29′W
(12/97 Bogota)

51 (INT 51) 1Ed. 2/6/82 LAST NM 36/97 29/00
Add Depth 3639 meters "Rep (2000)" (PA) 20°34′N 159°23′W
(NTM0013/2000)

51 (INT 51) 1Ed. 2/6/82 LAST NM 29/00 31/00
Add Depth 448 meters "Rep (2000)" 20°24′N 157°01′W
(NTM0013/2000)

51 (INT 51) 1Ed. 2/6/82 LAST NM 31/00 32/00
Substitute Depth 27 meters for 20 meters 8°22′S 140°54′W
Depth 49 meters for 38 meters 7°55′S 140°58′W
(4(21)99 Brest)

51 (INT 51) 1Ed. 2/6/82 LAST NM 32/00 15/01
Delete Islet 7°54′S 140°23′W
(44(52)00 Brest)

51 (INT 51) 1Ed. 2/6/82 LAST NM 15/01 7/02
Delete Legend "Depths 3 to 6 meters Rep (1960)"
8°02′S 137°30′W

Substitute Depth 9 meters for 11 meters 8°05′S 139°38′W
Depth 14 meters for 17 meters 8°42′S 140°46′W
(13(41)01 Brest)

51 (INT 51) 1Ed. 2/6/82 LAST NM 7/02 26/05
Add Depth 3968 meters "Rep (2004)" 19°01′N 134°33′W
(NTM0025/2005)

51 (INT 51) 1Ed. 2/6/82 LAST NM 26/05 33/05
Add Depth 457 meters 21°44′N 158°38′W
(NTM0013/2005)

51 (INT 51) 1Ed. 2/6/82 LAST NM 33/05 18/06
Substitute Depth 62 meters for 75 meters 32°39′N 117°58′W

Add Depth 89 meters 32°05′N 118°10′W
(NTM0023/2006)

51 (INT 51) 1Ed. 2/6/82 LAST NM 18/06 1/07
Add Legend "Lesser depths to 318m rep" 12°25′N 91°45′W
(NTM0042/2006)

51 (INT 51) 1Ed. 2/6/82 LAST NM 1/07 4/07
Delete Depth 388 meters 25°39′N 119°20′W

Substitute Depth 230 meters for 256 meters and enclosing
dotted-line circle 5°29′N 88°34′W

Add Depth 399 meters 25°20′N 119°31′W
Depth 737 meters 25°42′N 119°38′W
(NTM0042/2006)

51 (INT 51) 1Ed. 2/6/82 LAST NM 4/07 8/07
Delete Depth 16 meters, blue tint and enclosing
danger circle 16°32′N 116°50′W
(NTM0004/2007)

51 (INT 51) 1Ed. 2/6/82 LAST NM 8/07 45/07
Substitute Depth 237 meters for 230 meters 5°29′N 88°34′W
(See 4/07-51)
(NTM0026/2007)

51 (INT 51) 1Ed. 2/6/82 LAST NM 8/07 47/07
Add Depth 679 meters 8°19′N 85°01′W
(NTM0026/2007)

51 (INT 51) 1Ed. 2/6/82 LAST NM 47/07 50/07
Add Depth 705 meters 3°52′N 89°14′W
(NTM0026/2007)

51 (INT 51) 1Ed. 2/6/82 LAST NM 50/07 7/08
Add Depth 656 meters "Rep (2007)" 1°17′N 159°57′W
Danger circle [K40] "Shoal Rep (2007)" 8°10′N 160°06′W
(NTM0003/2008)

P 51 (INT 51) 1Ed. 2/6/82 LAST NM 7/08 10/08
Delete Purple composite-line circle (area to be
avoided) centered 23°03′N 161°55′W

Purple composite-line arc of a circle (area to be
avoided) in vicinity 23°40′N 164°00′W

Legend "AREAS TO BE AVOIDED" 24°15′N 162°50′W

Add Purple dashed line (reporting area outer limit)
[N1.2] between 24°28′N 164°00′W
24°02′N 161°41′W

Purple dashed-line arc of a circle (reporting
area outer limit) [N1.2], radius 60 miles,
centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

(continued on next page)

P 51 (Continued) 10/08

Purple dashed line (reporting area outer limit)
[N1.2] between 22°05′N 162°08′W
22°25′N 164°00′W

Note: Area extends beyond chart border

Legend "Particularly Sensitive Sea Area
CAUTION 3" along above limit 22°05′N 162°08′W

Caution No. 3 to CAUTIONS note
"3. All vessels solely in transit should avoid the limits of the Papahanaumokuakea Particularly Sensitive Sea Area (PSSA). For further information about the PSSA Reporting Area, see Chapter 2, U.S. Coast Pilot 7, and Chart 19016. (MSC IMO, 83rd Session, 2007)." 38°33′N 105°00′W

Note: The above changes and additions to Areas to be Avoided have been adopted by IMO and will become effective at 0001 UTC on 1 May 2008
(NTM0001/2008)

51 (INT 51) 1Ed. 2/6/82 LAST NM 10/08 17/08
Delete Purple composite-line circle (area to be avoided) centered 23°03′N 161°55′W

Purple composite-line arc of a circle (area to be avoided) in vicinity 23°40′N 164°00′W

Legend "AREAS TO BE AVOIDED" 24°15′N 162°50′W

Add Purple dashed line (reporting area outer limit)
[N1.2] between 24°28′N 164°00′W
24°02′N 161°41′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit)
[N1.2] between 22°05′N 162°08′W
22°25′N 164°00′W

Note: Area extends beyond chart border

Legend "Particularly Sensitive Sea Area
CAUTION 3" along above limit 22°05′N 162°08′W

Caution No. 3 to CAUTIONS note
"3. All vessels solely in transit should avoid the limits of the Papahanaumokuakea Particularly Sensitive Sea Area (PSSA). For further information about the PSSA Reporting Area, see Chapter 2, U.S. Coast Pilot 7, and Chart 19016. (MSC IMO, 83rd Session, 2007)". 38°33′N 105°00′W

Note: The above changes and additions to Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-51)
(NTM0001/2008)

51 (INT 51) 1Ed. 2/6/82 LAST NM 17/08 35/08
Add Depth 587 meters "Rep (2007)" 8°08′S 141°22′W
(NTM0009/2007)

★**51** (INT 51) 1Ed. 2/6/82 LAST NM 35/08 43/08
Add Depth 192 meters 0°08′S 89°15′W
Depth 450 meters 1°17′S 88°49′W
Depth 340 meters 0°32′S 88°32′W
(NTM0026/2007)

51 (INT 51) 1Ed. 2/6/82 LAST NM 43/08 6/09
Add Depth 2746 meters 19°02′N 157°47′W
(NTM0003/2009)

51 (INT 51) 1Ed. 2/6/82 LAST NM 6/09 13/09
Add Legend "CAUTION NO 4" 18°48′N 111°05′W

Dashed-line circle "Discol. water rep (2009)
(PA) (CAUTION NO 5)" [Ke] 18°59′N 110°48′W

Cautions No. 4 and No. 5 to CAUTIONS note
"4. A submarine volcano was reported to have formed about 2 miles NW of Punta Tosca in 1993. Depths of 80 meters were reported. Mariners should exercise caution in this area.
5. Drifting pumice rafts, possible indicators of submarine volcanic activity, observed northeast of Isla Socorro. Mariners should exercise caution in this area." 38°33′N 105°00′W
(NTM0033/2001; NTM0015/2009)

51 (INT 51) 1Ed. 2/6/82 LAST NM 13/09 22/09
Add Superbuoy ODAS [Q58] "51000" Y,
Fl(4) Y 20s 23°28′N 154°00′W

Superbuoy ODAS [Q58] "51100" Y,
Fl(4) Y 20s 23°33′N 153°54′W

Superbuoy ODAS [Q58] "51101" Y,
Fl(4) Y 20s 24°19′N 162°03′W
(18/09 CG14)

51 (INT 51) 1Ed. 2/6/82 LAST NM 22/09 28/09
Add Depth 3511 meters 20°04′N 157°00′W
(NTM0032/2009)

★**52** (INT 52) 1Ed. 4/5/86 NEW CHART 23/86
Delete Depth 21.5 meters 26°48′N 125°15′E
R Bn (AERO) 9°30′N 161°56′E

Add R Bn (AERO) at light 10°03′N 158°12′E
Danger circle "Breakers (rep 1983)" 3°53′S 174°03′E
Legend "Breakers (rep 1980)" 6°46′N 177°30′E
Light flare symbol to light star 27°25′N 128°44′E

R Bns (AERO) 14°47′N 120°16′E
4°16′N 117°57′E
1°17′N 173°00′E
(DMAHTC; HNNM7662/86)

52 (INT 52) 1Ed. 4/5/86 LAST NM 23/86 30/86
Delete R Bn (AERO) 10°03′N 158°12′E
(See 23/86-52)

Add R Bn (AERO) 7°03′N 158°12′E
(DMAHTC)

52 (INT 52) 1Ed. 4/5/86 LAST NM 30/86 31/86
Delete R Bns (AERO) 11°30′S 161°56′E
7°03′N 158°12′E
(See 23, 30/86-52)
(DMAHTC)

52 (INT 52) 1Ed. 4/5/86 LAST NM 31/86 39/86
Change Designation of buoy to "(ODAS)" 28°59′N 135°00′E
(32(942)86 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 39/86 48/86
Change Designation of buoy to "(ODAS)" 28°10′N 126°20′E
(39(1173)86 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 48/86 52/86
Delete Buoy "(ODAS)" 25°40′N 135°55′E
(42(1259)86 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 52/86 10/87
Delete Danger circle 20°25′N 151°55′E

Substitute Depth 5156 meters for danger circle 20°31′N 152°49′E
(MCNM7903, 0001/87)

52 (INT 52) 1Ed. 4/5/86 LAST NM 10/87 44/87
Delete Depth 9 meters 12°30′S 167°20′E

Add Depth 40 meters 12°24′S 167°21′E
(34(2527)87 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 44/87 46/87
Delete Superbuoy 38°30′N 145°30′E

(continued on next page)

52 (Continued) 46/87
Add Superbuoy "ODAS" with
light flare symbol 36°40′N 145°40′E
(29(817)87 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 46/87 48/87
Add Depth 454 meters 3°47′N 128°08′E
(MCNM0003/87)

52 (INT 52) 1Ed. 4/5/86 LAST NM 48/87 8/88
Add Dashed-line circle
"Discol water Rep (1987)" 27°00′N 141°00′E
(46(3493)87 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 8/88 24/88
Add Buoys, each orange and white, conical
"ET3" 1°57′N 165°02′E
"ET4" 1°52′S 164°53′E
(53(46)87 Brest)

52 (INT 52) 1Ed. 4/5/86 LAST NM 24/88 12/89
Delete Depth
27 meters "Rep" 13°54′S 171°14′W
33 meters "Rep" 14°28′S 171°20′W
(4(30)89 Auckland)

52 (INT 52) 1Ed. 4/5/86 LAST NM 12/89 33/89
Add R Bn at lights 0°59′N 119°00′E
3°34′S 118°58′E
1°53′N 125°07′E

R Bn 5°24′S 118°26′E
8°30′S 140°23′E
(23(190-194)89 Jakarta)

52 (INT 52) 1Ed. 4/5/86 LAST NM 33/89 35/89
Add Depth 618 meters 2°50.5′N 125°03.6′E
(MCNM1090/89)

52 (INT 52) 1Ed. 4/5/86 LAST NM 35/89 37/89
Add Depth 74 meters "Rep (1974)" 27°43′N 175°35′W
(MCNM1071/89)

52 (INT 52) 1Ed. 4/5/86 LAST NM 37/89 38/89
Substitute Depth 508 meters for 605 meters 11°12′S 178°16′E

Add Depth 722 meters 11°46′S 179°23′E
(MCNM1103/89)

52 (INT 52) 1Ed. 4/5/86 LAST NM 38/89 41/89
Delete Buoys
"ET 3" 1°57′N 165°02′E
"ET 4" 1°52′S 164°53′E
(26(60)89 Brest)

52 (INT 52) 1Ed. 4/5/86 LAST NM 41/89 22/90
Add Light 8°19′S 125°08′E
(3(23)90 Jakarta)

52 (INT 52) 1Ed. 4/5/86 LAST NM 22/90 32/90
Substitute Depth 39 meters for 71 meters 30°25′N 129°30′E
(18(599)90 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 32/90 49/90
Add R Bn 0°50′S 131°12′E
(32(2297)90 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 49/90 6/91
Delete R Bn (AERO) at light 8°34′S 125°34′E
(MCNM1027/90)

52 (INT 52) 1Ed. 4/5/86 LAST NM 6/91 33/91
Add Danger circle "Reef Rep (1991)" 3°07′S 148°10′E
(23(285)91 Sydney)

52 (INT 52) 1Ed. 4/5/86 LAST NM 33/91 28/92
Delete R Bn (AERO) at light 10°36′S 141°55′E
(18(297)92 Sydney)

52 (INT 52) 1Ed. 4/5/86 LAST NM 28/92 48/92
Delete Depth 299 meters 5°02′S 125°04′E
(32(1263)92 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 48/92 9/93
Delete Depth 207 meters 26°21′N 125°12′E

Add Depth 49 meters 26°24′N 125°04′E
(MCC1167/92)

52 (INT 52) 1Ed. 4/5/86 LAST NM 9/93 11/93
Delete R Bn at lights 37°00′N 140°59′E
34°53′N 139°54′E
34°36′N 138°14′E
34°21′N 130°51′E
33°26′N 135°45′E
32°43′N 133°01′E
(MCC1231/93)

52 (INT 52) 1Ed. 4/5/86 LAST NM 11/93 16/93
Add Depth
40 meters "Rep (1988)" 3°35′N 133°57′E
30 meters "Rep (1985)" 0°05′N 135°08′E
(50(60)92 Brest)

52 (INT 52) 1Ed. 4/5/86 LAST NM 16/93 17/93
Add R Bn 22°05′N 121°30′E
(11/93 Tso-ying)

52 (INT 52) 1Ed. 4/5/86 LAST NM 17/93 29/93
Delete Depth 320 meters 25°44′N 147°10′E
(12(457)93 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 29/93 32/93
Delete R Bn (AERO) 4°16′N 117°56′E
(16(1326)93 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 32/93 34/93
Add Danger circle "Breakers Rep (1991)" 0°24′N 152°00′E
(MCC1265/93)

52 (INT 52) 1Ed. 4/5/86 LAST NM 34/93 48/93
Delete Dangerous submerged rock 27°18′N 143°48′E
(42(1667)93 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 48/93 2/94
Delete Depth 95 meters 10°10′S 126°12′E
(41(493)93 Sydney)

52 (INT 52) 1Ed. 4/5/86 LAST NM 2/94 12/94
Delete Depth 823 meters 9°38′S 146°04′E
(4(85)94 Sydney)

52 (INT 52) 1Ed. 4/5/86 LAST NM 12/94 16/94
Add R Bn 38°08′N 124°44′E
38°54′N 125°16′E
39°47′N 124°34′E
(ROK CH 317; BA RA)

52 (INT 52) 1Ed. 4/5/86 LAST NM 16/94 48/94
Add R Bn (AERO) 37°45′N 128°57′E
38°09′N 128°36′E
(ROK CH 154, 155; ROK LL)

52 (INT 52) 1Ed. 4/5/86 LAST NM 48/94 53/94
Add Danger circle
"Discol Water Rep (1992)" 19°45′N 145°43′E
(MCC1306/94)

52 (INT 52) 1Ed. 4/5/86 LAST NM 53/94 19/95
Delete Depth 5.4 meters 4°56′S 146°40′E

Add Rock which covers and uncovers 4°53′S 146°44′E
(8(139)95 Wollongong)

52 (INT 52) 1Ed. 4/5/86 LAST NM 19/95 41/95
Delete R Bn (AERO) 7°27′N 151°50′E
(BA RA)

52 (INT 52) 1Ed. 4/5/86 LAST NM 41/95 49/95
Delete Danger circle 5°07′S 147°08′E
(37(439)95 Wollongong)

52 (INT 52) 1Ed. 4/5/86 LAST NM 49/95 10/96
Add Depth 30 meters 8°25′N 148°13′E
(3(201)96 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 10/96 42/96
Add Depth
442 meters 9°36′N 140°26′E
407 meters 7°58′N 137°19′E
676 meters 7°44′N 137°03′E
(35(2945)96 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 42/96 4/97
Delete Depth 525 meters 22°11′N 141°42′E

Substitute Depth
99 meters for 214 meters 23°45′N 141°44′E
92 meters for 370 meters 23°04′N 142°19′E

Add Depth 94 meters 22°12′N 141°52′E
(46(3818)96 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 4/97 5/98
Delete Dangerous submerged rock 28°12′N 142°23′E
(36(1640)97 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 5/98 6/99
Substitute Depth
14.5 meters for 53 meters 30°12′N 130°03′E
2.1 meters for 3.2 meters 30°03′N 129°52′E

Add Depth 50 meters 29°22′N 129°05′E
(50(2069, 2070)98 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 6/99 32/99
Substitute Depth 50 meters for dangerous submerged rock
31°55′N 140°02′E
(25(1087)99 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 32/99 40/99
Delete Depth 50 meters 31°00′N 139°00′E
(34(1382)99 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 40/99 42/99
Add R Bn [S10] 34°53′N 132°02′E
R Bn [S10] 33°52′N 129°41′E
(14(24, 27)98 Tokyo; Jpn LL)

52 (INT 52) 1Ed. 4/5/86 LAST NM 42/99 44/99
Delete R Bn at light 32°00′N 128°21′E

Add R Bn [S10] at light 32°37′N 128°36′E
(15(645)98 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 44/99 15/01
Add Depth 1200 meters "Rep (2000)" [I3.2] 5°53′N 165°22′W
(42(4094)00 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 15/01 14/02
Add Depth 424 meters enclosed by depth contour
(1000-meter) 16°32′N 129°37′E
(13(1402)01 Taunton)

52 (INT 52) 1Ed. 4/5/86 LAST NM 14/02 18/02
Delete R Bn (AERO) 12°32′S 177°02′E

Add Depth 705 meters 8°04′N 143°26′E
Depth 575 meters 6°53′N 144°49′E
(6(58, 59)02 Wellington)

52 (INT 52) 1Ed. 4/5/86 LAST NM 18/02 52/04
Delete Depth 15.8 meters 21°35′N 120°34′E
(43(1107)04 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 52/04 9/05
Delete Depth 20 meters 21°32′N 121°16′E
(30(782)04 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 9/05 20/05
Delete R Bn (AERO) 15°10′N 145°43′E
(NOS)

52 (INT 52) 1Ed. 4/5/86 LAST NM 20/05 34/05
Add Depth 211 meters "Rep" [I4] 12°37′N 145°31′E
Depth 437 meters "Rep" [I4] 13°41′N 145°30′E
Depth 428 meters "Rep" [I4] 15°00′N 144°17′E
(BA CH 764)

52 (INT 52) 1Ed. 4/5/86 LAST NM 34/05 4/06
Delete Depth 437 meters "Rep" 13°41′N 145°30′E
(See 34/05-52)
(NTM0007/2006)

P 52 (INT 52) 1Ed. 4/5/86 LAST NM 4/06 10/08
Add Purple dashed line (reporting area outer limit)
[N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "Particularly Sensitive Sea Area SEE
CAUTION" along above limit 26°40′N 170°00′W

Purple dashed-line arc of a circle (reporting
area outer limit) [N1.2], radius 60 miles,
centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit)
[N1.2] joining 22°05′N 162°08′W
22°48′N 166°38′W
24°04′N 168°28′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Purple dashed-line arc of a circle (reporting
area outer limit) [N1.2], radius 60 miles,
centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°35′N 179°26′W
29°23′N 178°04′W

CAUTION note in right margin of chart
"CAUTION
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the
limits of the Papahanaumokuakea PSSA. All
ships 300 gross tonnage or greater and all ships
in the event of a developing emergency in
transit through the reporting area are required
to participate in CORAL SHIPREP. Reports
should be made to U.S. Coast Guard
CAMSPAC via INMARSAT-C. See Chapter 2,
U.S. Coast Pilot 7, charts 19016, 19019, and
19022 (MSC IMO, 83rd Session, 2007)."
Note: The above Areas to be Avoided have
been adopted by IMO and are effective at 0001
UTC 1 May 2008
(NTM0001/2008)

52 (INT 52) 1Ed. 4/5/86 LAST NM 10/08 17/08
Add Purple dashed line (reporting area outer limit)
[N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "Particularly Sensitive Sea Area SEE
CAUTION" along above limit 26°40′N 170°00′W

(continued on next page)

52 (Continued) 17/08

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°48′N 166°38′W
24°04′N 168°28′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°35′N 179°26′W
29°23′N 178°04′W

CAUTION note in right margin of chart
"CAUTION
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All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, charts 19016, 19019, and 19022 (MSC IMO, 83rd Session, 2007)".
Note: The above Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-52)
(NTM0001/2008)

52 (INT 52) 1Ed. 4/5/86 LAST NM 17/08 24/08
Delete R Bn at light 1°53′N 125°07′E
(BA LL)

52 (INT 52) 1Ed. 4/5/86 LAST NM 24/08 28/08
Delete R Bn 34°53′N 132°02′E
(22(744)08 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 28/08 32/08
Delete R Bn at light 38°17′N 141°35′E
(25(874)08 Tokyo)

52 (INT 52) 1Ed. 4/5/86 LAST NM 32/08 37/08
Add Depth 313 meters 8°23′N 147°52′E
(NTM0026/2007)

52 (INT 52) 1Ed. 4/5/86 LAST NM 37/08 38/08
Add Depth 32 meters 8°23′N 145°41′E
(NTM0026/2007)

52 (INT 52) 1Ed. 4/5/86 LAST NM 38/08 39/08
Substitute Depth 275 meters for 313 meters 8°21′N 147°50′E

Add Depth 464 meters 7°29′N 147°24′E
Depth 16 meters 7°28′N 148°04′E
Depth 367 meters 7°14′N 147°44′E
(NTM0026/2007)

52 (INT 52) 1Ed. 4/5/86 LAST NM 39/08 48/08
Add Depth 307 meters 9°12′S 153°53′E
(NTM0026/2007)

52 (INT 52) 1Ed. 4/5/86 LAST NM 48/08 52/08
Substitute Depth 373 meters for 407 meters 7°58′N 137°19′E
Depth 1247 meters for 1326 meters 12°48′N 157°52′E

Add Depth 1285 meters 12°21′N 158°39′E
Depth 1192 meters 13°57′N 157°36′E
Depth 428 meters 1°07′S 148°50′E
Depth 563 meters 1°03′S 147°52′E
(NTM0026/2007)

★**53** (INT 53) 2Ed. 8/6/94 NEW EDITION 49/94
(DMAHTC)

53 (INT 53) 2Ed. 8/6/94 LAST NM 49/94 25/96
Delete Depth 882 meters 45°58′N 149°32′E

Add Light symbol 46°50′N 151°52′E
Depth 541 meters 45°58′N 149°24′E

Danger circle
"Vol Activity Rep (1980)" 46°32′N 151°47′E
(17(1439)96 Taunton)

53 (INT 53) 2Ed. 8/6/94 LAST NM 25/96 32/96
Add Depth 12 meters "Rep (1986)" 55°31.3′N 145°49.5′E
(24(1995)96 Taunton)

53 (INT 53) 2Ed. 8/6/94 LAST NM 32/96 4/97
Delete Depth 370 meters "Unexamined (1982)" 22°58′N 142°18′E

Substitute Depth 99 meters for 214 meters 23°45′N 141°44′E

Add Depth 92 meters 23°04′N 142°19′E
(46(3818)96 Taunton)

53 (INT 53) 2Ed. 8/6/94 LAST NM 4/97 12/97
Substitute Depth 125 meters for 163 meters 28°54′N 178°37′W
(GIMM015/97)

53 (INT 53) 2Ed. 8/6/94 LAST NM 12/97 6/99
Substitute Depth
14.5 meters for 53 meters 30°12′N 130°03′E
2.1 meters for 3.2 meters 30°03′N 129°52′E

Add Depth 50 meters 29°22′N 129°05′E
(50(2069, 2070)98 Tokyo)

53 (INT 53) 2Ed. 8/6/94 LAST NM 6/99 32/99
Substitute Depth 50 meters for dangerous submerged rock 31°55′N 140°02′E
(25(1087)99 Tokyo)

53 (INT 53) 2Ed. 8/6/94 LAST NM 32/99 40/99
Delete Depth 50 meters 31°00′N 139°00′E
(34(1382)99 Tokyo)

53 (INT 53) 2Ed. 8/6/94 LAST NM 40/99 42/99
Add R Bn [S10] 34°53′N 132°02′E
R Bn [S10] 33°52′N 129°41′E
(14(24, 27)98 Tokyo; Jpn LL)

53 (INT 53) 2Ed. 8/6/94 LAST NM 42/99 44/99
Delete R Bn at light 32°00′N 128°21′E

Add R Bn [S10] at light 32°37′N 128°36′E
(15(645)98 Tokyo)

53 (INT 53) 2Ed. 8/6/94 LAST NM 44/99 52/99
Delete Light and R Bn 55°12′N 137°38′E
(14(1962)98 St. Petersburg)

53 (INT 53) 2Ed. 8/6/94 LAST NM 52/99 12/00
Add R Bn (AERO) [S16] 28°12′N 177°23′W
(NOS)

53 (INT 53) 2Ed. 8/6/94 LAST NM 12/00 5/02
Add Superbuoy ODAS [Q58] Y, Fl Y 4s 46°39′N 170°48′W
Superbuoy ODAS [Q58] Y, Fl Y 4s 50°27′N 165°02′W
Superbuoy ODAS [Q58] Y, Fl Y 4s 52°34′N 157°10′W
(32/01 CG13)

53 (INT 53) 2Ed. 8/6/94 LAST NM 5/02 17/02
Delete R Bn at light 57°09′N 170°14′W
(NOS)

53 (INT 53) 2Ed. 8/6/94 LAST NM 17/02 34/03
Add Superbuoy ODAS [Q58] "46035" Y,
Fl(4) Y 20s 57°03′N 177°35′W
Superbuoy ODAS [Q58] "46066" Y,
Fl(4) Y 20s 53°15′N 155°09′W
Superbuoy ODAS [Q58] "46072" Y,
Fl(4) Y 20s 52°02′N 172°05′W
(26/03 CG17)

53 (INT 53) 2Ed. 8/6/94 LAST NM 34/03 50/03
Relocate Superbuoy ODAS "46072" from
52°02′N 172°05′W to 51°38′N 172°09′W
(See 34/03-53)
(NTM0022/2003)

53 (INT 53) 2Ed. 8/6/94 LAST NM 50/03 43/05
Delete Depth 164 meters 25°44′N 127°58′E
(Jpn CH W1203)

53 (INT 53) 2Ed. 8/6/94 LAST NM 43/05 53/05
Add Danger circle [K1] "seismometer" 33°46′N 137°36′E
(BA CH 996)

P 53 (INT 53) 2Ed. 8/6/94 LAST NM 53/05 10/08
Add Purple dashed line (reporting area outer limit)
[N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "Particularly Sensitive Sea Area SEE
CAUTION" along above limit 26°40′N 170°00′W

Purple dashed-line lesser arc of a circle
(reporting area outer limit) [N1.2], radius 60
miles, centered 23°03′N 161°55′W
arc between 24°02′N 161°41′W
22°13′N 161°23′W

Purple dashed line (reporting area outer limit)
[N1.2] joining 22°13′N 162°58′W
22°48′N 166°38′W
24°04′N 168°28′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Purple dashed-line arc of a circle (reporting
area outer limit) [N1.2], radius 60 miles,
centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°35′N 179°26′W
29°23′N 178°04′W
Note: Area extends beyond chart border

CAUTION note
"CAUTION
Particularly Sensitive Sea Area (PSSA)
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limits of the Papahanaumokuakea PSSA. All
ships 300 gross tonnage or greater and all ships
in the event of a developing emergency in
transit through the reporting area are required
to participate in CORAL SHIPREP. Reports
should be made to U.S. Coast Guard
CAMSPAC via INMARSAT-C. See Chapter 2,
U.S. Coast Pilot 7, charts 19016, 19019, and
19022 (MSC IMO, 83rd Session, 2007)." 55°00′N 132°30′E
Note: The above Areas to be Avoided have
been adopted by IMO and will become
effective at 0001 UTC on 1 May 2008
(NTM0001/2008)

53 (INT 53) 2Ed. 8/6/94 LAST NM 10/08 15/08
Delete Superbuoy ODAS 46°33′N 170°48′W
(32/07 CG17)

53 (INT 53) 2Ed. 8/6/94 LAST NM 10/08 17/08
Add Purple dashed line (reporting area outer limit)
[N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "Particularly Sensitive Sea Area SEE
CAUTION" along above limit 26°40′N 170°00′W

Purple dashed-line lesser arc of a circle
(reporting area outer limit) [N1.2], radius 60
miles, centered 23°03′N 161°55′W
arc between 24°02′N 161°41′W
22°13′N 161°13′W

Purple dashed line (reporting area outer limit)
[N1.2] joining 22°13′N 162°58′W
22°48′N 166°38′W
24°04′N 168°28′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Purple dashed-line arc of a circle (reporting
area outer limit) [N1.2], radius 60 miles,
centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°35′N 179°26′W
29°23′N 178°04′W
Note: Area extends beyond chart border

CAUTION note
"CAUTION
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the
limits of the Papahanaumokuakea PSSA. All
ships 300 gross tonnage or greater and all ships
in the event of a developing emergency in
transit through the reporting area are required
to participate in CORAL SHIPREP. Reports
should be made to U.S. Coast Guard
CAMSPAC via INMARSAT-C. See Chapter 2,
U.S. Coast Pilot 7, charts 19016, 19019, and
19022 (MSC IMO, 83rd Session, 2007)". 55°00′N 132°30′E
Note: The above Areas to be Avoided have
been adopted by IMO
(Supersedes 10/08P-53)
(NTM0001/2008)

53 (INT 53) 2Ed. 8/6/94 LAST NM 17/08 28/08
Delete R Bn 34°53′N 132°02′E
(22(744)08 Tokyo)

53 (INT 53) 2Ed. 8/6/94 LAST NM 28/08 32/08
Delete R Bn at light 38°17′N 141°35′E
(25(874)08 Tokyo)

53 (INT 53) 2Ed. 8/6/94 LAST NM 32/08 43/08
Add Superbuoy DART [Q26] "46403" RW,
Fl(4) Y 20s (Priv) (PA) 52°39′N 156°56′W
Superbuoy DART [Q26] "21414" RW,
Fl(4) Y 20s (Priv) (PA) 48°57′N 178°16′E
Superbuoy DART [Q26] "21415" RW,
Fl(4) Y 20s (Priv) (PA) 50°10′N 171°50′E
(40/08 CG17)

53 (INT 53) 2Ed. 8/6/94 LAST NM 43/08 4/09
Add Superbuoy ODAS [Q58] "46413" Y,
Fl(4) Y 20s (Priv) (PA) 48°40′N 174°36′W
(52/08 CG17)

53 (INT 53) 2Ed. 8/6/94 LAST NM 4/09 22/09
Add Superbuoy ODAS [Q58] "51101" Y,
Fl(4) Y 20s 24°19′N 162°03′W
(18/09 CG14)

53 (INT 53) 2Ed. 8/6/94 LAST NM 22/09 32/09
Relocate Superbuoy ODAS "46066" from
53°15′N 155°09′W to 52°44′N 154°58′W
(27/09 CG17)

★56 38Ed. 9/17/73 NEW EDITION 43/73
(DMAHC)

56 38Ed. 9/17/73 LAST NM 43/73 8/87
Change Note in lower left margin of chart to

(continued on next page)

56 (Continued) 8/87
"Users should refer corrections, additions, and comments for improving this product to: DIRECTOR, DEFENSE MAPPING AGENCY HYDROGRAPHIC/ TOPOGRAPHIC CENTER, ATTN: PR, Washington, D.C. 20315-0030."
(MCNM7880/87)

★**62** (INT 62) 3Ed. 6/22/96 NEW EDITION 36/96
(DMA)

62 (INT 62) 3Ed. 6/22/96 LAST NM 36/96 42/96
Delete R Bn (AERO) 12°10′N 69°01′W
(BA RA)

62 (INT 62) 3Ed. 6/22/96 LAST NM 42/96 36/97
Delete R Bn 1°47′N 78°43′W
3°51′N 77°05′W

R Bn at light 4°15′N 77°35′W
(12/97 Bogota)

62 (INT 62) 3Ed. 6/22/96 LAST NM 36/97 45/97
Add R Bn (AERO) at light symbol 47°43′S 74°55′W
(BA RA)

62 (INT 62) 3Ed. 6/22/96 LAST NM 45/97 16/98
Relocate R Bn (AERO) close N to 53°00′S 70°52′W
(12(1047)98 Taunton)

62 (INT 62) 3Ed. 6/22/96 LAST NM 16/98 51/98
Delete R Bn at light 36°36′S 73°03′W
38°26′S 73°55′W
(9(188)98 Valparaiso)

62 (INT 62) 3Ed. 6/22/96 LAST NM 51/98 9/00
Add Depth 471 meters enclosed by depth contour (1000-meter) 28°05′S 80°01′W
(43(4017)99 Taunton)

62 (INT 62) 3Ed. 6/22/96 LAST NM 9/00 11/06
Delete Depth 155 meters, blue tint and enclosing danger circle in vicinity 43°10′S 97°38′W

Add Depth 478 meters 25°38′S 99°05′W
Depth 500 meters 25°10′S 99°30′W
Depth 831 meters 25°06′S 90°48′W
Depth 925 meters 25°20′S 93°35′W
Depth 589 meters 25°33′S 93°00′W
Depth 994 meters 25°20′S 91°38′W
Depth 870 meters 24°30′S 94°42′W
Depth 424 meters 25°08′S 98°32′W
Depth 249 meters 25°04′S 97°28′W
Depth 460 meters 24°59′S 98°13′W
Depth 1181 meters 24°58′S 96°15′W
Depth 1516 meters 23°40′S 94°19′W
Depth 584 meters 43°08′S 98°00′W
Depth 135 meters 43°12′S 97°43′W
Depth 1224 meters 43°25′S 98°08′W
Depth 304 meters 26°57′S 110°17′W
Depth 965 meters 27°23′S 113°56′W
Depth 890 meters 26°14′S 115°00′W
Depth 781 meters 26°26′S 116°02′W
Depth 840 meters 26°48′S 113°48′W
Depth 1399 meters 24°36′S 118°27′W
Depth 1603 meters 23°31′S 116°06′W
Depth 1330 meters 26°10′S 118°39′W
Depth 807 meters 35°00′S 118°30′W
Depth 1485 meters 33°23′S 115°36′W
Depth 819 meters 34°19′S 111°37′W
Depth 1235 meters 33°48′S 112°26′W
Depth 955 meters 31°02′S 113°05′W
(NTM0014/2006)

★**62** (INT 62) 3Ed. 6/22/96 LAST NM 11/06 19/06
Add Depth 3330 meters enclosed by dashed-line circle 45°26′S 92°27′W
(NTM0024/2006)

62 (INT 62) 3Ed. 6/22/96 LAST NM 19/06 1/07
Add Legend "Tide Rips" and symbol [H44] 11°08′N 93°00′W
Legend "Lesser depths to 318m rep" 12°25′N 91°45′W
(US CH 21026; NTM0042/2006)

62 (INT 62) 3Ed. 6/22/96 LAST NM 1/07 4/07
Substitute Depth 230 meters for 256 meters and enclosing dotted-line circle 5°29′N 88°34′W
(NTM0042/2006)

62 (INT 62) 3Ed. 6/22/96 LAST NM 4/07 6/07
Add Depth 517 meters enclosed by dashed-line circle 10°23′S 94°36′W
Depth 1027 meters enclosed by dashed-line circle 14°17′S 97°23′W
Depth 1139 meters enclosed by dashed-line circle 14°09′S 96°35′W
Depth 1509 meters enclosed by dashed-line circle 15°25′S 99°04′W
Depth 1584 meters enclosed by dashed-line circle 15°04′S 97°30′W
(NTM0014/2006)

62 (INT 62) 3Ed. 6/22/96 LAST NM 6/07 16/07
Add Area "#66" (Red Dot Area), predicted depth 0 meter, bound by purple dashed line joining
43°11′S 98°08′W
43°16′S 97°25′W
43°58′S 97°06′W
43°18′S 98°14′W

Note from Subsection I-2 in lower left margin of chart
(NTM0009/2007)

62 (INT 62) 3Ed. 6/22/96 LAST NM 16/07 18/07
Delete R Bn at light 33°01′S 71°39′W

Substitute Racon for R Bn at light 29°56′S 71°22′W
(5(569)03 Taunton; 10(111)05 Valparaiso)

62 (INT 62) 3Ed. 6/22/96 LAST NM 18/07 41/07
Add Depth 254 meters 26°21′S 106°33′W
Depth 214 meters 26°38′S 106°13′W
Depth 608 meters 26°26′S 105°52′W
Depth 614 meters 26°24′S 104°51′W
Depth 415 meters 26°06′S 103°50′W
Depth 431 meters 25°59′S 103°21′W
Depth 179 meters 26°02′S 102°26′W
Depth 1304 meters 26°26′S 101°38′W
Depth 330 meters 26°00′S 100°44′W
Depth 987 meters 26°02′S 100°00′W
Depth 579 meters 27°06′S 109°41′W
Depth 581 meters 26°54′S 107°31′W
Depth 1399 meters 28°00′S 107°26′W
Depth 463 meters 27°10′S 106°29′W
Depth 1100 meters 27°36′S 105°39′W
Depth 976 meters 27°09′S 102°23′W
Depth 1051 meters 26°59′S 100°47′W
Depth 721 meters 26°36′S 104°55′W
(NTM0011/2007)

62 (INT 62) 3Ed. 6/22/96 LAST NM 41/07 45/07
Substitute Depth 237 meters for 230 meters (See 4/07-62) 5°29′N 88°34′W
(NTM0026/2007)

62 (INT 62) 3Ed. 6/22/96 LAST NM 41/07 47/07
Add Depth 524 meters 6°29′N 81°53′W
Depth 679 meters 8°19′N 85°01′W
(NTM0026/2007)

62 (INT 62) 3Ed. 6/22/96 LAST NM 47/07 20/08
Add Depth 439 meters "Rep (2007)" 14°52′S 97°35′W
Depth 298 meters "Rep (2007)" 26°10′S 91°40′W
Depth 77 meters "Rep (2007)" 25°50′S 90°58′W
Depth 459 meters "Rep (2007)" 25°08′S 90°46′W
Depth 479 meters "Rep (2007)" 27°05′S 109°42′W
Depth 24 meters "Rep (2007)" 26°21′S 106°30′W
Depth 267 meters "Rep (2007)" 27°07′S 106°25′W
Depth 240 meters "Rep (2007)" 26°03′S 103°50′W
Depth 317 meters "Rep (2007)" 26°55′S 102°04′W
Depth 165 meters "Rep (2007)" 26°15′S 101°45′W
Depth 170 meters "Rep (2007)" 26°04′S 101°19′W
Depth 514 meters "Rep (2007)" 26°54′S 100°42′W

(continued on next page)

62 (Continued) 20/08
Depth 287 meters "Rep (2007)" 26°40′S 106°10′W
Depth 322 meters "Rep (2007)" (PA) 10°31′S 94°35′W
Depth 233 meters "Rep (2007)" (PA) 25°30′S 92°50′W
Depth 92 meters "Rep (2007)" (PA) 24°55′S 91°15′W
Depth 373 meters "Rep (2007)" (PA) 25°10′S 90°23′W
Depth 176 meters "Rep (2007)" (PA) 25°05′S 100°05′W
Danger circle [K1] "Shoal rep (2007)" 26°10′S 102°56′W
Danger circle [K1] "Shoal rep (2007)" 25°00′S 97°40′W
Danger circle [K1] "Shoal rep (2007)" 27°10′S 109°20′W
Danger circle [K1] "Shoal rep (2007)" 26°00′S 102°10′W

"Depths to 298m rep (2007)" area bound by
dashed line joining 25°26′S 99°09′W
25°26′S 98°50′W
25°43′S 98°50′W
25°43′S 99°09′W

"Depths to 187m rep (2007)" area bound by
dashed line joining 25°48′S 101°00′W
25°48′S 100°32′W
26°04′S 100°32′W
25°57′S 101°00′W

"Shoal rep (2007)" area bound by dotted line
joining 25°00′S 99°51′W
25°00′S 99°16′W
25°20′S 99°16′W
25°10′S 99°51′W

"Shoal rep (2007)" area bound by dotted line
joining 25°00′S 98°53′W
25°00′S 98°22′W
25°11′S 98°22′W
25°11′S 98°53′W

"Shoal rep (2007)" area bound by dotted line
joining 25°42′S 95°40′W
25°30′S 94°29′W
25°45′S 94°25′W
25°56′S 95°39′W

"Shoal rep (2007)" area bound by dotted line
joining 26°16′S 105°35′W
26°26′S 104°52′W
26°42′S 104°52′W
26°27′S 105°39′W
(NTM0009/2007)

62 (INT 62) 3Ed. 6/22/96 LAST NM 20/08 34/08
Add Depth 134 meters 10°33′N 109°35′W
(NTM0004/2007)

62 (INT 62) 3Ed. 6/22/96 LAST NM 34/08 35/08
Add Depth 606 meters "Rep (2007)" 24°59′S 98°16′W
Depth 560 meters "Rep (2007)" 25°19′S 93°35′W
Depth 626 meters "Rep (2007)" 25°35′S 92°45′W
Depth 606 meters "Rep (2007)" 25°11′S 100°55′W
(NTM0009/2007)

62 (INT 62) 3Ed. 6/22/96 LAST NM 35/08 43/08
Add Depth 192 meters 0°08′S 89°15′W
Depth 450 meters 1°17′S 88°49′W
Depth 340 meters 0°32′S 88°32′W
Depth 611 meters 1°06′S 88°24′W
(NTM0026/2007)

★**63** 24Ed. 12/6/18 NEW EDITION 49/18
(USHO)

63 24Ed. 12/6/18 LAST NM 49/18 8/87
Change Note in lower left margin of chart to

"Users should refer corrections,
additions, and comments for
improving this product to:
DIRECTOR, DEFENSE MAPPING
AGENCY HYDROGRAPHIC/
TOPOGRAPHIC CENTER, ATTN:
PR, Washington, D.C. 20315-0030."
(MCNM7880/87)

★**70** (INT 70) 4Ed. 9/21/96 NEW EDITION 1/97
Delete Depth
4574 meters 42°04′S 42°38′E
633 meters 41°28′S 42°50′E
Add Depth
270 meters 41°24′S 42°54′E
404 meters 42°04′S 42°45′E
553 meters 38°25′S 48°22′E
(NIMA; 32(2697)96 Taunton)

70 (INT 70) 4Ed. 9/21/96 LAST NM 1/97 40/97
Add Depth 317 meters 8°47′S 70°17′E
(27(2361)97 Taunton)

70 (INT 70) 4Ed. 9/21/96 LAST NM 40/97 15/98
Add Depth
553 meters 47°25′S 65°34′E
292 meters 49°38′S 66°48′E
270 meters 49°44′S 64°55′E
(41(3653)97 Taunton)

70 (INT 70) 4Ed. 9/21/96 LAST NM 15/98 2/99
Substitute Depth 72 meters for 90 meters 39°00′S 77°43′E
(35(23)98 Brest)

70 (INT 70) 4Ed. 9/21/96 LAST NM 2/99 34/00
Delete RC at light 29°56′S 31°00′E
RC and RC (AERO) at light 33°02′S 28°05′E
RC at light 34°02′S 25°55′E
(3(36)00 Cape Town)

70 (INT 70) 4Ed. 9/21/96 LAST NM 34/00 7/03
Delete Depth 23 meters, blue tint and enclosing
dotted-line circle in vicinity 10°25′S 57°30′E
Depth 22 meters, blue tint and enclosing
dotted-line circle in vicinity 6°26′S 58°32′E
(13(36)02 Brest)

70 (INT 70) 4Ed. 9/21/96 LAST NM 7/03 34/03
Delete RC (Aero) 12°09′S 96°49′E
(BA RA)

70 (INT 70) 4Ed. 9/21/96 LAST NM 34/03 35/07
Add Depth 854 meters enclosed by depth contour
(1000-meter) centered 43°33′S 39°35′E
Depth 883 meters enclosed by depth contour
(1000-meter) centered 45°49′S 43°09′E
Depth 1597 meters enclosed by depth contour
(2000-meter) centered 48°42′S 44°14′E

Depth 75 meters "Rep (2006)" [I3.2] 42°56′S 41°54′E

Depth 956 meters enclosed by depth contour
(1000-meter) centered 43°16′S 41°53′E
Depth 924 meters enclosed by depth contour
(1000-meter) centered 43°33′S 40°45′E
(NTM0021/2007)

70 (INT 70) 4Ed. 9/21/96 LAST NM 35/07 38/07
Add Depth 1528 meters 39°58′S 76°32′E
Depth 1568 meters 39°37′S 77°40′E
Depth 920 meters 37°50′S 78°44′E

Depth 159 meters, blue tint and enclosing
depth contour (200-meter) centered 38°28′S 77°57′E
(NTM0011/2007)

70 (INT 70) 4Ed. 9/21/96 LAST NM 38/07 39/07
Add Depth 540 meters "Rep" 35°10′S 80°39′E
Depth 428 meters 32°30′S 82°22′E
Depth 1795 meters 30°01′S 85°45′E
Depth 994 meters 32°21′S 85°16′E
(NTM0011/2007)

70 (INT 70) 4Ed. 9/21/96 LAST NM 39/07 51/08
Substitute Depth 9 meters for 71 meters 38°14′S 77°45′E
(26(53)08 Brest)

★**70** (INT 70) 4Ed. 9/21/96 LAST NM 51/08 18/09
Add "Depths to 111m rep (2008)" area bound by
dashed-line circle, radius 7 miles, centered 30°13′S 87°19′E
"Depths to 563m rep (2008)" area bound by
dashed-line circle, radius 7 miles, centered 31°29′S 86°12′E
(NTM0009/2009)

★**71** (INT 71) 4Ed. 8/31/91 NEW EDITION 41/91
(DMAHTC)

71 (INT 71) 4Ed. 8/31/91 LAST NM 41/91 47/91
Delete Depth 29 meters 12°15′S 47°04′E

Dangerous submerged rock 11°58′S 46°27′E

Danger circle "Reef Rep (1974)" (ED) 11°43′S 46°15′E
(26(28)91 Brest)

71 (INT 71) 4Ed. 8/31/91 LAST NM 47/91 7/92
Delete Depth 521 meters 11°10′S 52°39′E
(MCC1165/92)

71 (INT 71) 4Ed. 8/31/91 LAST NM 7/92 11/92
Add R Bn (AERO) 7°08′S 56°16′E

Depth 389 meters 11°44′N 55°08′E
(50(3553)91, 1(51)92 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 11/92 49/92
Delete RC at light 20°20′N 86°44′E

Add RC at light 20°15′N 86°39′E
(9(190)92 Dehra Dun; BA RA)

71 (INT 71) 4Ed. 8/31/91 LAST NM 49/92 9/93
Add Danger circle"Discol water (1992)" 11°35′N 55°57′E

R Bn (AERO) 0°42′S 73°10′E
(MCC1232/93; 32(2370)92 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 9/93 11/93
Delete Light 21°39′N 69°33′E

Add RC 21°37′N 69°37′E
(29(2086)91 Taunton; 19(358)92 Dehra Dun)

71 (INT 71) 4Ed. 8/31/91 LAST NM 11/93 15/93
Add RC at light 19°15′N 84°54′E
(BA RA)

71 (INT 71) 4Ed. 8/31/91 LAST NM 15/93 16/93
Add RC at light 17°00′N 73°13′E
(23(434)92 Dehra Dun)

71 (INT 71) 4Ed. 8/31/91 LAST NM 16/93 38/93
Substitute Depth
386 meters for 631 meters 13°00′N 53°54′E
12 meters for 36 meters 8°10′N 78°24′E
59 meters for 100 meters 11°48′N 93°30′E

Add Light symbol 14°06′N 42°48′E
15°48′N 52°06′E

Light flare symbol to platform 19°30′S 116°52′E
(BA CH 4071)

71 (INT 71) 4Ed. 8/31/91 LAST NM 38/93 16/94
Add Light symbol and RC 14°15′N 80°08′E
(7(122)93 Dehra Dun)

71 (INT 71) 4Ed. 8/31/91 LAST NM 16/94 6/95
Add Depth 120 meters 12°15′N 73°45′E
(48(4020)94 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 6/95 34/95
Delete RC (AERO) 11°39′N 92°43′E
19°45′S 63°22′E

RC (AERO) at light 17°03′S 42°42′E
15°52′S 54°29′E
2°00′N 45°20′E

Add RC (AERO) 7°17′S 72°23′E
4°02′S 39°37′E
(BA RA)

71 (INT 71) 4Ed. 8/31/91 LAST NM 34/95 37/95
Substitute Light symbol with RC (AERO) for
RC (AERO) 22°21′S 40°20′E
(26(2075)95 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 37/95 40/95
Add Depth 650 meters 9°15′S 53°00′E
(24(23)95 Brest)

71 (INT 71) 4Ed. 8/31/91 LAST NM 40/95 46/95
Delete RC (AERO) 11°30′N 43°07′E
(BA RA)

71 (INT 71) 4Ed. 8/31/91 LAST NM 46/95 6/96
Delete Depth 120 meters 12°15′N 73°45′E
(Supersedes 6/95-71)
(48(3947)95 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 6/96 8/96
Add Depth 311 meters 24°45′N 61°51′E
(Pak CH 33)

71 (INT 71) 4Ed. 8/31/91 LAST NM 8/96 14/96
Delete RC (AERO) 20°26′S 57°40′E
23°20′S 43°45′E
(BA RA)

71 (INT 71) 4Ed. 8/31/91 LAST NM 14/96 15/96
Add Depth 203 meters 7°39′N 76°34′E
(BA CH 1566)

71 (INT 71) 4Ed. 8/31/91 LAST NM 15/96 40/97
Add Depth 317 meters 8°47′S 70°17′E
(27(2361)97 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 40/97 41/97
Add Depth 235 meters 9°24′N 74°39′E
(13(271)97 Dehra Dun)

71 (INT 71) 4Ed. 8/31/91 LAST NM 41/97 3/99
Delete RC at light 17°41′N 83°17′E
(17(383)98 Dehra Dun)

71 (INT 71) 4Ed. 8/31/91 LAST NM 3/99 38/99
Delete RC at light 22°29′N 69°04′E
Note: Racon remains
(11(216)98 Dehra Dun)

71 (INT 71) 4Ed. 8/31/91 LAST NM 38/99 49/99
Delete RC at light 8°16′N 73°02′E
(31(2755)98 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 49/99 16/00
Delete Racon at light 22°29′N 69°04′E
(See 38/99-71)
(24(505)98 Dehra Dun)

71 (INT 71) 4Ed. 8/31/91 LAST NM 16/00 3/01
Add Depth 645 meters 12°08′N 47°30′E
(22(1993)99 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 3/01 7/01
Delete Depth 389 meters 11°44′N 55°08′E
Depth 600 meters 13°28′N 50°05′E
Depth 401 meters 19°21′N 39°31′E

Add Depth 200 meters 11°47′N 55°11′E
Depth 547 meters 12°09′N 47°06′E
Depth 523 meters 13°28′N 50°09′E
Depth 224 meters 14°32′N 49°49′E
Depth 205 meters 19°33′N 39°24′E
(38(3493-3495)99 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 7/01 8/01
Add Depth 185 meters enclosed by depth contour
(200-meter) 4°26′N 72°40′E
(11(1037)99 Taunton)

71 (INT 71) 4Ed. 8/31/91 LAST NM 8/01 43/01
Add Racon [S3.1] at light 13°25′N 80°20′E
(21(443)99 Dehra Dun)

71 (INT 71) 4Ed. 8/31/91 LAST NM 43/01 7/03
Delete Depth 23 meters, blue tint and enclosing dotted-line circle in vicinity 10°25′S 57°30′E
Depth 22 meters, blue tint and enclosing dotted-line circle in vicinity 6°26′S 58°32′E
(13(36)02 Brest)

71 (INT 71) 4Ed. 8/31/91 LAST NM 7/03 34/03
Delete RC (Aero) 12°09′S 96°49′E
(BA RA)

71 (INT 71) 4Ed. 8/31/91 LAST NM 34/03 24/09
Delete Depth 2758 meters 12°22′N 61°17′E

Add Depth 2661 meters 12°26′N 61°19′E
(50(6783)08 Taunton)

★**72** (INT 72) 4Ed. 5/11/96 NEW EDITION 28/96
Add Light symbol 24°32′S 35°12′E
(Previously published 21/96)
(DMA)

72 (INT 72) 4Ed. 5/11/96 LAST NM 28/96 39/96
Delete Depth
633 meters 41°28′S 42°54′E
4574 meters 42°04′S 42°38′E

Add Depth
270 meters 41°24′S 42°54′E
404 meters 42°04′S 42°45′E
553 meters 38°25′S 48°22′E
(32(2697)96 Taunton)

72 (INT 72) 4Ed. 5/11/96 LAST NM 39/96 40/97
Add Depth 317 meters 8°47′S 70°17′E
(27(2361)97 Taunton)

72 (INT 72) 4Ed. 5/11/96 LAST NM 40/97 15/98
Add Depth 553 meters 47°25′S 65°34′E
(41(3653)97 Taunton)

72 (INT 72) 4Ed. 5/11/96 LAST NM 15/98 38/99
Delete RC at light 22°29′N 69°04′E
Note: Racon remains
(11(216)98 Dehra Dun)

72 (INT 72) 4Ed. 5/11/96 LAST NM 38/99 49/99
Delete RC at light 8°16′N 73°02′E
(31(2755)98 Taunton)

72 (INT 72) 4Ed. 5/11/96 LAST NM 49/99 16/00
Delete Racon at light 22°29′N 69°04′E
(See 38/99-72)
(24(505)98 Dehra Dun)

72 (INT 72) 4Ed. 5/11/96 LAST NM 16/00 34/00
Delete RC at light 34°21′S 18°29′E
RC at light 28°31′S 32°24′E
RC at light 29°56′S 31°00′E
RC at light 34°01′S 25°42′E
RC and RC (AERO) at light 33°02′S 27°54′E
(3(36)00 Cape Town)

72 (INT 72) 4Ed. 5/11/96 LAST NM 34/00 3/01
Add Depth 645 meters 12°08′N 47°30′E
(22(1993)99 Taunton)

72 (INT 72) 4Ed. 5/11/96 LAST NM 3/01 7/01
Delete Depth 401 meters 19°21′N 39°31′E

Substitute Depth 200 meters for 389 meters 11°47′N 55°11′E
Depth 523 meters for 600 meters 13°28′N 50°09′E

Add Depth 547 meters 12°09′N 47°06′E
Depth 224 meters 14°32′N 49°49′E
Depth 205 meters 19°33′N 39°24′E
(38(3493-3495)99 Taunton)

72 (INT 72) 4Ed. 5/11/96 LAST NM 7/01 8/01
Add Depth 185 meters enclosed by depth contour (200-meter) 4°26′N 72°40′E
(11(1037)99 Taunton)

72 (INT 72) 4Ed. 5/11/96 LAST NM 8/01 7/03
Delete Depth 23 meters, blue tint and enclosing dotted-line circle in vicinity 10°25′S 57°30′E
Depth 22 meters, blue tint and enclosing dotted-line circle in vicinity 6°26′S 58°32′E
(13(36)02 Brest)

72 (INT 72) 4Ed. 5/11/96 LAST NM 7/03 8/07
Add Depth 1710 meters enclosed by dashed-line circle 29°08′S 44°11′E
Depth 969 meters enclosed by dashed-line circle 34°32′S 43°12′E
(NTM0014/2006)

72 (INT 72) 4Ed. 5/11/96 LAST NM 8/07 35/07
Add Depth 854 meters enclosed by depth contour (1000-meter) centered 43°33′S 39°35′E
Depth 883 meters enclosed by depth contour (1000-meter) centered 45°49′S 43°09′E
Depth 1597 meters enclosed by depth contour (2000-meter) centered 48°42′S 44°14′E

Depth 75 meters "Rep (2006)" [I3.2] 42°56′S 41°54′E

Depth 956 meters enclosed by depth contour (1000-meter) centered 43°16′S 41°53′E
Depth 924 meters enclosed by depth contour (1000-meter) centered 43°33′S 40°45′E
(NTM0021/2007)

★**72** (INT 72) 4Ed. 5/11/96 LAST NM 35/07 23/09
Add "Depths to 417m rep (2008)" area bound by dashed-line circle, radius 6 miles, centered 42°39′S 42°41′E
"Depths to 576m rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 43°13′S 41°55′E
"Depths to 44m rep (2008)" area bound by dashed-line circle, radius 6 miles, centered 48°22′S 44°09′E
"Depths to 359m rep (2008)" area bound by dashed-line circle, radius 7 miles, centered 43°46′S 38°54′E
"Depths to 536m rep (2008)" area bound by dashed-line circle, radius 6 miles, centered 46°59′S 33°51′E
(NTM0009/2009)

72 (INT 72) 4Ed. 5/11/96 LAST NM 23/09 24/09
Delete Depth 2758 meters 12°22′N 61°17′E

Add Depth 2661 meters 12°26′N 61°19′E
(50(6783)08 Taunton)

★**73** (INT 73) 4Ed. 2/3/96 NEW EDITION 14/96
Delete Depth 120 meters 12°15′N 73°45′E
(Previously published 6/96)

Add Depth 311 meters 24°45′N 61°51′E
(Previously published 8/96)
(DMA)

73 (INT 73) 4Ed. 2/3/96 LAST NM 14/96 15/96
Add Depth 203 meters 7°39′N 76°34′E
(BA CH 1566)

73 (INT 73) 4Ed. 2/3/96 LAST NM 15/96 19/96
Delete Depth 900 meters 32°01′S 96°15′E

Add Depth
632 meters 48°02′S 72°45′E
101 meters 37°44′S 77°55′E
71 meters 38°14′S 77°44′E
678 meters 27°18′S 87°20′E
686 meters 32°01′S 96°21′E
(13(1097, 1098)96 Taunton)

73 (INT 73) 4Ed. 2/3/96 LAST NM 19/96 40/97
Add Depth 317 meters 8°47′S 70°17′E
(27(2361)97 Taunton)

73 (INT 73) 4Ed. 2/3/96 LAST NM 40/97 41/97
Add Depth 235 meters 9°24′N 74°39′E
(13(271)97 Dehra Dun)

73 (INT 73) 4Ed. 2/3/96 LAST NM 41/97 15/98
Add Depth
553 meters 47°25′S 65°34′E
292 meters 49°38′S 66°48′E
270 meters 49°44′S 64°55′E
(41(3653)97 Taunton)

73 (INT 73) 4Ed. 2/3/96 LAST NM 15/98 2/99
Substitute Depth 72 meters for 90 meters 39°00′S 77°43′E
(35(23)98 Brest)

73 (INT 73) 4Ed. 2/3/96 LAST NM 2/99 4/99
Delete R Bn at light 17°40′N 83°18′E
(17(383)98 Dehra Dun)

73 (INT 73) 4Ed. 2/3/96 LAST NM 4/99 38/99
Delete R Bn at light 22°29′N 69°04′E
Note: Racon remains
(11(216)98 Dehra Dun)

73 (INT 73) 4Ed. 2/3/96 LAST NM 38/99 49/99
Delete R Bn at light 8°16′N 73°02′E
(31(2755)98 Taunton)

73 (INT 73) 4Ed. 2/3/96 LAST NM 49/99 16/00
Delete Racon at light 22°29′N 69°04′E
(See 38/99-73)
(24(505)98 Dehra Dun)

73 (INT 73) 4Ed. 2/3/96 LAST NM 16/00 8/01
Add Depth 185 meters enclosed by depth contour
(200-meter) 4°26′N 72°40′E
(11(1037)99 Taunton)

73 (INT 73) 4Ed. 2/3/96 LAST NM 8/01 34/03
Delete R Bn (Aero) 12°09′S 96°49′E
(BA RA)

73 (INT 73) 4Ed. 2/3/96 LAST NM 34/03 38/07
Add Depth 1528 meters 39°58′S 76°32′E
Depth 1568 meters 39°37′S 77°40′E

Depth 159 meters, blue tint and enclosing
depth contour (200-meter) centered 38°28′S 77°57′E
(NTM0011/2007)

73 (INT 73) 4Ed. 2/3/96 LAST NM 38/07 39/07
Add Depth 540 meters "Rep" 35°10′S 80°39′E
Depth 428 meters 32°30′S 82°22′E
Depth 1795 meters 30°01′S 85°45′E
Depth 994 meters 32°21′S 85°16′E
(NTM0011/2007)

73 (INT 73) 4Ed. 2/3/96 LAST NM 39/07 51/08
Substitute Depth 9 meters, blue tint and enclosing
depth contour (200-meter) for 71 meters 38°14′S 77°45′E
(26(53)08 Brest)

73 (INT 73) 4Ed. 2/3/96 LAST NM 51/08 18/09
Add "Depths to 111m rep (2008)" area bound by
dashed-line circle, radius 7 miles, centered 30°13′S 87°19′E
"Depths to 563m rep (2008)" area bound by
dashed-line circle, radius 7 miles, centered 31°29′S 86°12′E
(NTM0009/2009)

73 (INT 73) 4Ed. 2/3/96 LAST NM 18/09 24/09
Delete Depth 2758 meters 12°22′N 61°17′E

Add Depth 2661 meters 12°26′N 61°19′E
(50(6783)08 Taunton)

★**74** 18Ed. 12/6/21 NEW EDITION 49/21
(USHO)

74 18Ed. 12/6/21 LAST NM 49/21 8/87
Add Note in lower left margin of chart

"Users should refer corrections,
additions and comments for
improving this product to:
DIRECTOR, DEFENSE MAPPING
AGENCY HYDROGRAPHIC/
TOPOGRAPHIC CENTER, ATTN:
PR, Washington, D.C. 20315-0030."
(MCNM7880/87)

★**76** 25Ed. 7/18/92 NEW EDITION 38/92
(DMAHTC)

76 25Ed. 7/18/92 LAST NM 38/92 22/93
Change Standard time
PORTUGAL to plus (+) 1 hour 40°00′N 13°00′W
ARQUIPELAGO DOS ACORES to 0 hour
41°00′N 30°00′W
(MCC1248/93)

76 25Ed. 7/18/92 LAST NM 22/93 24/93
Change Standard time PORTUGAL to zone
minus (-) 1 hour 40°00′N 13°00′W
(See 22/93-76)
(MCC1248/93)

76 25Ed. 7/18/92 LAST NM 24/93 26/94
Change Standard time
HONDURAS to (+) 5 hours 15°00′N 87°00′W
(MCC1354/94)

76 25Ed. 7/18/92 LAST NM 26/94 38/99
Change Standard time LIBYA to (-) 2 hours 25°00′N 18°00′E
(BA RA)

★**80** 7Ed. 8/12/95 NEW EDITION 50/95
(DMA)

★**90** 5Ed. 3/30/96 NEW EDITION 27/96
(DMA)

★**100** (INT 100) 1Ed. 1/9/82 NEW CHART 13/82
(DMAHTC)

100 (INT 100) 1Ed. 1/9/82 LAST NM 13/82 19/82
Substitute Depth 123 meters for 160 meters 73°30.0′N 9°08.0′W
(9(508)82 Taunton)

100 (INT 100) 1Ed. 1/9/82 LAST NM 19/82 14/86
Delete R Bns 69°08.9′N 15°54.0′E
74°29.1′N 19°04.0′E
70°58.4′N 8°29.7′W
(BA RA)

100 (INT 100) 1Ed. 1/9/82 LAST NM 14/86 27/86
Delete R Bn at light 69°20′N 16°06′E
(9(724)86 Stavanger)

100 (INT 100) 1Ed. 1/9/82 LAST NM 27/86 23/93
Add Depth
576 meters 74°11′N 15°15′E
163 meters 73°53′N 18°53′E
110 meters 71°41′N 18°00′E

Danger circle "Well", marked close SE
by buoy Y, spar 71°56′N 21°11′E

Superbuoy ODAS "BS-4",
orange and yellow, Fl 3s 71°30′N 19°00′E
(BA CH 4100)

100 (INT 100) 1Ed. 1/9/82 LAST NM 23/93 16/95
Relocate R Bn (AERO) close NE to 70°58′N 8°35′W
(9(703)95 Taunton)

100 (INT 100) 1Ed. 1/9/82 LAST NM 16/95 18/99
Delete R Bn at light 69°36′N 17°50′E
70°14′N 19°30′E
(1(67)99 Stavanger)

100 (INT 100) 1Ed. 1/9/82 LAST NM 18/99 51/04
Add Submerged well [L20] 71°37′N 21°03′E
Submerged well [L20] 71°36′N 21°16′E
Submerged well [L20] 71°29′N 21°05′E
(21(1026)04 Stavanger)

★**100** (INT 100) 1Ed. 1/9/82 LAST NM 51/04 4/08
Add Depth 1245 meters "Rep (2007)" 72°17′N 0°39′W
(NTM0002/2008)

100 (INT 100) 1Ed. 1/9/82 LAST NM 4/08 35/08
Add Depth 326 meters 73°56′N 20°57′E
(NTM0026/2008)

★**101** (INT 101) 3Ed. 11/23/96 NEW EDITION 8/97
Delete RC at light 60°51′N 0°54′E

Racon at light 66°32′N 16°00′W
64°02′N 15°57′W
60°37′N 1°19′W
60°22′N 1°50′W
60°50′N 4°39′E
63°01′N 7°14′E
63°05′N 7°30′E
63°13′N 7°36′E
63°32′N 7°58′E
64°10′N 9°24′E
64°24′N 10°22′E
67°18′N 13°30′E
67°24′N 11°52′E
67°27′N 14°23′E
67°46′N 14°24′E

Racon from platform 60°28′N 2°49′E
64°22′N 7°46′E

Add RC at light 59°51.5′N 1°16.0′W
63°49.5′N 16°37.0′W

RC 64°39.1′N 14°16.6′W

Submarine pipeline joining 59°32.8′N 1°32.3′E
59°29.4′N 1°23.8′E
59°25.0′N 1°20.9′E
(NIMA; BA RA; 20(1409)91 Taunton)

101 (INT 101) 3Ed. 11/23/96 LAST NM 8/97 8/98
Substitute Depth 94 meters for 111 meters 63°49′N 15°10′W

Add Depth 47 meters 64°00′N 15°36′W
(GIMM011/98)

101 (INT 101) 3Ed. 11/23/96 LAST NM 8/98 19/98
Delete RC 64°39.0′N 14°16.0′W
(12(35)97 Reykjavik)

101 (INT 101) 3Ed. 11/23/96 LAST NM 19/98 18/99
Delete RC at light 60°08′N 5°01′E
61°02′N 4°30′E
62°19′N 5°16′E
62°54′N 6°52′E
64°10′N 9°26′E
65°12′N 11°00′E
67°18′N 13°30′E
67°24′N 11°52′E
(1(67)99 Stavanger)

101 (INT 101) 3Ed. 11/23/96 LAST NM 18/99 23/99
Delete RC at light 66°27′N 15°55′W
(1(5)99 Reykjavik)

101 (INT 101) 3Ed. 11/23/96 LAST NM 23/99 27/99
Delete RC at light 63°50′N 16°38′W
(4(15)99 Reykjavik)

101 (INT 101) 3Ed. 11/23/96 LAST NM 27/99 35/99
Add Submarine cable [L30.1] joining 59°49′N 3°09′W
59°39′N 1°30′W
59°25′N 0°23′W
(25(2254)99 Taunton)

101 (INT 101) 3Ed. 11/23/96 LAST NM 35/99 48/02
Add Depth 115 meters Well [L21.2] 60°31′N 1°50′E
(32(3364)02 Taunton)

★**101** (INT 101) 3Ed. 11/23/96 LAST NM 48/02 42/04
Add Wreck [K29] 66°20′N 5°12′E
(NTM0019/2004)

101 (INT 101) 3Ed. 11/23/96 LAST NM 42/04 47/04
Add Wreck [K29] 64°48′N 7°03′E
(20(970)04 Stavanger)

101 (INT 101) 3Ed. 11/23/96 LAST NM 47/04 48/08
Delete Depth 179 meters and enclosing depth contour
(200-meter) centered 66°52′N 13°42′W

Depth 141 meters 66°37′N 13°23′W
(3-4(5)08 Reykjavik)

★**102** (INT 102) 5Ed. 4/6/96 NEW EDITION 29/96
(DMA)

102 (INT 102) 5Ed. 4/6/96 LAST NM 29/96 5/99
Delete RC at light 49°58.7′N 6°19.3′W
50°34.5′N 1°17.8′W
51°51.1′N 5°24.6′W
54°02.9′N 3°10.5′W
55°40.0′N 6°30.7′W
58°30.9′N 6°15.7′W
58°38.7′N 3°01.4′W
57°41.9′N 2°00.0′W
51°36.3′N 8°31.9′W
55°16.3′N 8°14.9′W
54°16.9′N 10°05.5′W
52°33.6′N 9°55.9′W

Purple circle at light 51°36.3′N 9°47.5′W
(30/98 Trinity House; BA RA)

102 (INT 102) 5Ed. 4/6/96 LAST NM 5/99 20/00
Add Racon at light 51°51′N 5°25′W
(9/00 Trinity House)

102 (INT 102) 5Ed. 4/6/96 LAST NM 20/00 48/00
Delete RC at light 48°38′N 4°34′W
RC at light 48°28′N 5°08′W
(3(13)00 Brest)

102 (INT 102) 5Ed. 4/6/96 LAST NM 48/00 42/04
Delete Depth 90 meters 54°00′N 13°20′W
(NTM0019/2004)

102 (INT 102) 5Ed. 4/6/96 LAST NM 42/04 24/08
Delete Light "Calf of Man" 54°03′N 4°50′W
(28(3100)07 Taunton)

102 (INT 102) 5Ed. 4/6/96 LAST NM 24/08 40/08
Add Superbuoy ODAS [Q58] "M4" Y, Fl(5) Y 20s
55°00′N 10°00′W
Superbuoy ODAS [Q58] "M6" Y, Fl(5) Y 20s
53°04′N 15°56′W
(42(4778)06, 24(2717)07 Taunton)

★**103** (INT 103) 5Ed. 8/25/90 NEW EDITION 41/90
Delete Depth 585 meters 37°52.0′N 24°34.5′W
(Previously published 38/90)

Delete R Bn (AERO) 43°22′N 3°33′W
42°08′N 8°39′W
41°19′N 8°41′W
38°54′N 9°00′W
38°40′N 8°37′W
37°10′N 8°35′W
35°48′N 5°49′W
(DMAHTC; BA RA)

103 (INT 103) 5Ed. 8/25/90 LAST NM 41/90 38/91
Add Depth 130 meters 37°28′N 30°27′W
(25(26)91 Brest)

103 (INT 103) 5Ed. 8/25/90 LAST NM 38/91 51/91
Delete Depth 130 meters 37°28′N 30°27′W
(Supersedes 38/91-103)
(38(27)91 Brest)

103 (INT 103) 5Ed. 8/25/90 LAST NM 51/91 8/92
Add Depth 56 meters 40°30.3′N 9°07.3′W
(Por CH 33; 46(3255)91 Taunton)

103 (INT 103) 5Ed. 8/25/90 LAST NM 8/92 15/92
Add Superbuoy ODAS "24GB" Y, Fl(5) Y 20s 48°42′N 12°23′W
(4(224)92 Taunton)

103 (INT 103) 5Ed. 8/25/90 LAST NM 15/92 25/92
Substitute Depth 35 meters (ED) for 48 meters 36°42.0′N 11°08.0′W
(8(546)92 Taunton)

103 (INT 103) 5Ed. 8/25/90 LAST NM 25/92 44/92
Delete RC (AERO) 36°38′N 6°18′W
38°32′N 28°40′W
37°44′N 25°35′W

RC (AERO) at light 43°23′N 1°47′W
(BA RA)

103 (INT 103) 5Ed. 8/25/90 LAST NM 44/92 4/94
Delete Superbuoy ODAS "1GB" 48°38′N 8°55′W
(45(3796)93 Taunton)

103 (INT 103) 5Ed. 8/25/90 LAST NM 4/94 15/95
Delete Depth
166 meters 38°02′N 28°47′W
18 meters 38°13′N 29°06′W
73 meters 38°13′N 29°21′W
(7(24)95 Brest)

103 (INT 103) 5Ed. 8/25/90 LAST NM 15/95 17/96
Delete Depth
127 meters 38°17′N 28°45′W
199 meters 38°40′N 29°45′W
104 meters 38°20′N 30°06′W
(4(33)96 Brest)

103 (INT 103) 5Ed. 8/25/90 LAST NM 17/96 12/98
Add Depth 27 meters 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

103 (INT 103) 5Ed. 8/25/90 LAST NM 12/98 5/99
Delete RC 49°58.5′N 6°16.0′W
(30/98 Trinity House)

103 (INT 103) 5Ed. 8/25/90 LAST NM 5/99 49/99
Substitute Depth 12 meters for 7 meters 38°13′N 26°36′W
(1(52)98 Lisboa)

103 (INT 103) 5Ed. 8/25/90 LAST NM 49/99 10/00
Delete RC at light 38°47′N 9°30′W
(21(298)99 Lisboa)

103 (INT 103) 5Ed. 8/25/90 LAST NM 10/00 48/00
Delete RC at light 48°28′N 5°08′W
RC at light 45°42′N 1°14′W
RC at light 44°39′N 1°15′W
(3(13)00 Brest)

103 (INT 103) 5Ed. 8/25/90 LAST NM 48/00 34/01
Delete RC at light 37°02′N 8°59′W
(4(145)00 Lisboa; Por LL)

103 (INT 103) 5Ed. 8/25/90 LAST NM 34/01 44/01
Delete RC at light 41°12′N 8°42′W
RC at light 40°12′N 8°54′W
RC at light 39°24′N 9°30′W
(4(134)01 Lisboa)

103 (INT 103) 5Ed. 8/25/90 LAST NM 44/01 16/03
Add Wreck [K29] 42°12′N 12°03′W
(49(847)02 Cadiz)

103 (INT 103) 5Ed. 8/25/90 LAST NM 16/03 9/04
Delete Depth 1820 meters and enclosing depth contour
(2000-meter) centered 40°35′N 32°54′W
Depth 1798 meters and enclosing depth contour
(2000-meter) centered 42°27′N 18°53′W

Depth 600 meters 40°40′N 9°44′W

Substitute Depth 56 meters for 40 meters 35°03′N 12°53′W
(20(307)03 Lisboa)

103 (INT 103) 5Ed. 8/25/90 LAST NM 9/04 49/04
Delete RC at light 43°47′N 7°41′W
RC at light 43°10′N 9°13′W
RC at light 42°53′N 9°16′W
RC at light 42°06′N 8°53′W
(1(102)04 Lisboa; Spn LL)

103 (INT 103) 5Ed. 8/25/90 LAST NM 49/04 20/06
Delete RC at light 43°25′N 2°42′W
RC at light 35°47′N 5°56′W
(40(400)05 Cadiz; Spn LL)

103 (INT 103) 5Ed. 8/25/90 LAST NM 20/06 10/08
Add Depth 213 meters enclosed by depth contour
(1000-meter) 44°07′N 22°07′W
Depth 104 meters enclosed by depth contour
(200-meter) 38°19′N 30°06′W
(10(1157, 1158)03 Taunton)

★104 (INT 104) 5Ed. 8/17/96 NEW EDITION 44/96
(NIMA)

104 (INT 104) 5Ed. 8/17/96 LAST NM 44/96 12/98
Add Depth 27 meters 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

104 (INT 104) 5Ed. 8/17/96 LAST NM 12/98 49/99
Substitute Depth 12 meters for 7 meters 38°13′N 26°36′W
(1(52)98 Lisboa)

104 (INT 104) 5Ed. 8/17/96 LAST NM 49/99 10/00
Delete RC at light 38°47′N 9°30′W
(21(298)99 Lisboa)

104 (INT 104) 5Ed. 8/17/96 LAST NM 10/00 34/01
Delete RC at light 37°57′N 8°53′W
RC at light 37°02′N 9°00′W
(4(145)00 Lisboa; Por LL)

104 (INT 104) 5Ed. 8/17/96 LAST NM 34/01 8/06
Delete RC (AERO) 33°04′N 16°21′W
RC (AERO) 32°45′N 16°43′W
RC (AERO) 28°03′N 16°33′W
RC at light 28°10′N 15°26′W
RC at light 28°14′N 13°56′W
RC (AERO) 28°57′N 13°38′W
RC at light 33°37′N 7°40′W
(28(294)05 Cadiz)

104 (INT 104) 5Ed. 8/17/96 LAST NM 8/06 20/06
Delete RC at light 35°47′N 5°56′W
(40(400)05 Cadiz)

★105 (INT 209) 4Ed. 9/14/96 NEW EDITION 50/96
(NIMA)

★105 (INT 209) 4Ed. 9/14/96 LAST NM 50/96 32/01
Add Depth 2566 meters 3°49′S 0°28′E
(NTM0002/2001)

105 (INT 209) 4Ed. 9/14/96 LAST NM 32/01 28/04
Add Racon [S3.1] at light 4°24′N 7°08′E
(BA CH 3287)

★**106** (INT 215) 1Ed. 6/10/78 NEW CHART 30/78
(DMAHC)

106 (INT 215) 1Ed. 6/10/78 LAST NM 30/78 7/79
Delete R Bn 5°07.5′S 36°50.0′W

Substitute Depths
33 meters for 23 meters 8°41.0′S 34°49.0′W
48 meters for 53 meters 3°52.0′S 32°37.0′W
(22(310)78 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 7/79 14/79
Delete Depth 260 meters 4°05.0′S 35°57.0′W

Add Depth 241 meters 4°00.0′S 35°59.0′W
(23(323)78 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 14/79 15/79
Add Depth 275 meters 3°37.5′S 36°46.0′W
(23(324)78 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 15/79 47/79
Delete Depths
40 meters 16°25′N 22°57′W
177 meters 16°20′N 22°27′W
26 meters 16°07′N 22°32′W
(38(48)79 Brest)

106 (INT 215) 1Ed. 6/10/78 LAST NM 47/79 18/81
Add Depth 12.6 meters "Rep (1978)" 9°04′N 15°11′W
(34(3399)78 Hamburg)

106 (INT 215) 1Ed. 6/10/78 LAST NM 18/81 23/81
Delete Depth 12.6 meters "Rep (1978)" 9°04′N 15°11′W
(Supersedes 18/81-106)
(44(4348)78 Hamburg)

106 (INT 215) 1Ed. 6/10/78 LAST NM 23/81 24/81
Add Depth 9 meters "Rep (1980)" (PA) 3°58′S 35°48′W
(NVS6404/81)

106 (INT 215) 1Ed. 6/10/78 LAST NM 24/81 21/82
Delete Depth 275 meters 3°37.5′S 36°46.0′W

Substitute Depths
1853 meters for 483 meters 0°59.8′N 30°13.5′W
2721 meters for 272 meters 1°10.0′N 30°19.0′W

Add Depth 275 meters 3°38.5′S 36°42.8′W
(15(132)81; 1(18)82 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 21/82 2/83
Delete R Bn (AERO) 13°20′N 16°39′W
(44(2674)82 Taunton)

106 (INT 215) 1Ed. 6/10/78 LAST NM 2/83 31/83
Add Depth 48 meters 3°26.1′S 35°02.8′W
(NVS6978/83)

106 (INT 215) 1Ed. 6/10/78 LAST NM 31/83 43/83
Relocate R Bn (AERO) close NNE to 8°02′S 34°57′W
(14(119)83 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 43/83 50/83
Delete Depth 79 meters 16°55′N 23°32′W
(42(2704)83 Taunton)

106 (INT 215) 1Ed. 6/10/78 LAST NM 50/83 53/83
Delete Depth 100 meters 17°08′N 21°54′W

Add Depths
93 meters 17°11.7′N 21°58.1′W
427 meters 15°44.6′N 22°10.3′W
(45(2902, 2904)83 Taunton)

106 (INT 215) 1Ed. 6/10/78 LAST NM 53/83 23/84
Delete Depth 256 meters 8°24′S 16°55′W

Add Depth 256 meters 8°28.8′S 17°04.6′W
(NVS7266/84)

106 (INT 215) 1Ed. 6/10/78 LAST NM 23/84 44/85
Add Chartlet, depicting changes in hydrography and topography, from back of Section I 4°00′S 35°00′W
(DMAHTC)

106 (INT 215) 1Ed. 6/10/78 LAST NM 44/85 52/85
Change International chart number "INT 106" to "INT 215" in margins (4) of chart

Legends to
"CONTINUED ON INT 216" 4°00′N 36°57′W
"CONTINUED ON INT 209" 3°30′N 14°03′W
(HNNM7637/85)

106 (INT 215) 1Ed. 6/10/78 LAST NM 52/85 14/86
Substitute Abandoned submarine cable for submarine cable
between 8°03.0′S 34°46.0′W
16°44.0′N 25°12.0′W

between 7°58.0′S 34°47.0′W
16°40.0′N 25°12.0′W

Add Submarine cable joining 8°08.3′S 34°54.2′W
8°11.6′S 34°18.5′W
8°04.3′S 33°41.3′W
7°47.5′S 33°03.4′W
2°54.5′S 29°28.6′W
1°51.5′S 28°59.3′W
0°17.1′N 27°43.6′W
0°37.6′N 27°24.0′W
1°05.2′N 27°14.5′W
6°00.2′N 23°57.9′W
6°56.0′N 23°49.4′W
7°36.1′N 23°09.5′W
14°05.1′N 18°59.6′W
14°38.5′N 17°25.0′W
(2(24)86 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 14/86 16/86
Delete R Bn (AERO) 16°02′N 16°28′W
(DMAHTC)

106 (INT 215) 1Ed. 6/10/78 LAST NM 16/86 27/86
Delete Depth 478 meters 9°17′N 21°20′W

Add Depth 215 meters "Rep (1986)" 9°15.5′N 21°19.9′W
(17(1277)86 Taunton)

106 (INT 215) 1Ed. 6/10/78 LAST NM 27/86 44/86
Add Submarine cable
joining 8°09.5′S 34°54.0′W
8°12.8′S 34°48.5′W
8°09.0′S 34°24.0′W
8°06.3′S 34°05.3′W
7°24.0′S 33°25.0′W

joining 8°08.3′S 34°54.2′W
8°11.6′S 34°18.5′W
8°08.0′S 33°54.0′W
7°47.5′S 33°03.4′W
(17(E253)86 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 44/86 1/87
Add Depth 110 meters enclosed by depth contour (200-meter) "Rep (1986)" 4°44.5′S 35°10.4′W
(18(N277)86 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 1/87 40/89
Delete R Bn (AERO) 8°02′S 34°57′W
(10(G152)89 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 40/89 6/90
Substitute Depth 80 meters for 110 meters "Rep (1986)" 4°45′S 35°11′W

(continued on next page)

106 (Continued) 6/90
Add Depth 17 meters enclosed by
danger circle "Rep (1989)" 4°42′S 35°31′W
(See 44/85-106)
(13(N192, N193)89 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 6/90 26/92
Delete Depths
165 meters 12°00′N 17°32′W
27 meters 12°01′N 17°18′W
(16(43)92 Brest)

106 (INT 215) 1Ed. 6/10/78 LAST NM 26/92 29/95
Delete Depth 2970 meters 6°20′N 32°50′W

Add Depth 587 meters 6°21′N 32°58′W
(14(56)95 Brest)

106 (INT 215) 1Ed. 6/10/78 LAST NM 29/95 1/96
Add Light symbol 6°03′S 35°07′W
(20(217P)95 Rio de Janeiro)

106 (INT 215) 1Ed. 6/10/78 LAST NM 1/96 29/96
Delete Depth 2786 meters 5°56′N 25°00′W

Add Depth
234 meters 6°19′N 22°37′W
762 meters 6°10′N 24°52′W
790 meters 6°00′N 24°57′W
(23(1907)96 Taunton)

★**107** (INT 216) 3Ed. 3/2/85 NEW EDITION 19/85
(DMAHTC)

107 (INT 216) 3Ed. 3/2/85 LAST NM 19/85 44/85
Add Chartlet, depicting changes in
hydrography and topography,
from back of Section I 3°00′S 38°00′W
(DMAHTC)

107 (INT 216) 3Ed. 3/2/85 LAST NM 44/85 52/85
Change International chart number "INT 107"
to "INT 216" in margins (5) of chart
(HNNM7637/85)

107 (INT 216) 3Ed. 3/2/85 LAST NM 52/85 6/86
Delete Depth 54 meters 3°11.0′S 38°17.0′W

Substitute Depth 40 meters for depth 44 meters 1°40.0′S 38°08.0′W
(23(259)85 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 6/86 12/86
Delete Depth 11 meters 14°35′N 60°46′W

Add Depth 15 meters 14°34′N 60°46′W
(2(176)86 Taunton)

107 (INT 216) 3Ed. 3/2/85 LAST NM 12/86 14/86
Substitute Abandoned submarine cable for
submarine cable
joining 8°00.0′S 34°42.0′W
3°47.5′S 28°15.0′W
0°20.0′S 28°00.0′W

between 8°00.0′S 34°50.0′W
9°00.0′N 28°00.0′W

Add Submarine cable joining 8°00.0′S 33°25.0′W
7°47.5′S 33°03.5′W
2°55.0′S 29°29.0′W
1°52.0′S 28°59.0′W
0°20.0′S 28°00.0′W
Depth 33 meters 5°28.0′N 51°39.0′W
(2(175)86 Taunton; 2(24)86 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 14/86 35/86
Substitute Depth 10 meters (PA) for 16 meters 3°18.0′N 48°07.0′W
(12(159)86 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 35/86 39/86
Delete Depth 118 meters (PD) 4°14′S 34°50′W
(17(1276)86 Taunton)

107 (INT 216) 3Ed. 3/2/85 LAST NM 39/86 44/86
Add Submarine cables
between 7°24.0′S 33°25.0′W
8°00.0′S 34°00.0′W

between 7°47.5′S 33°03.4′W
8°00.0′S 33°36.0′W
(17(E253)86 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 44/86 52/86
Add Depth 110 meters enclosed by depth
contour (200 meters) "Rep (1986)" 4°44.5′S 35°10.4′W
(18(N277)86 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 52/86 26/88
Add Legend "(ED)" to depth 78 meters 6°28′N 52°18′W
(53(61)87 Brest)

107 (INT 216) 3Ed. 3/2/85 LAST NM 26/88 36/88
Add Depth 159 meters 3°29.2′S 37°29.5′W
(See 44/85-107)
(MCNM8136/88)

107 (INT 216) 3Ed. 3/2/85 LAST NM 36/88 38/88
Add Depth 22 meters enclosed by
danger circle (PA) 4°53′S 35°01′W
(12(N183)88 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 38/88 40/89
Delete R Bns (AERO) 1°23′S 48°28′W
3°34′S 39°17′W
5°12′S 37°21′W
(See 44/85-107)
(10(G152)89 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 40/89 28/90
Delete Depth 143 meters
and enclosing depth contour 7°46.0′N 56°49.0′W
(MCNM1032/90)

107 (INT 216) 3Ed. 3/2/85 LAST NM 28/90 39/90
Delete Depths
9 meters 3°50′S 35°57′W
9 meters "(1980)" (PA) 3°58′S 35°48′W
(27(1940)90 Taunton)

107 (INT 216) 3Ed. 3/2/85 LAST NM 39/90 46/90
Add Depth 290 meters 0°41.4′S 42°09.0′W
(20(N303)89 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 46/90 52/90
Add Depth 63 meters (ED) 3°39.0′N 48°09.0′W
(MCNM1062/90)

107 (INT 216) 3Ed. 3/2/85 LAST NM 52/90 7/92
Add Depths
161 meters "Rep (1978)" (PA) 12°58′N 59°34′W
77 meters "Rep (1975)" 12°55′N 59°36′W
(MCC1168/92; 1(107)79 Taunton)

107 (INT 216) 3Ed. 3/2/85 LAST NM 7/92 51/93
Delete R Bn 0°46′N 50°07′W

Add R Bn 0°30.6′N 50°24.9′W
(19(165)93 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 51/93 12/94
Substitute Depth 277 meters for 1994 meters 2°59′S 37°43′W
(See 44/85-107)
(22(200)93 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 12/94 29/95
Delete Depth 2970 meters 6°20′N 32°50′W

(continued on next page)

107 (Continued) 29/95
Add Depth 587 meters 6°21′N 32°58′W
(14(56)95 Brest)

107 (INT 216) 3Ed. 3/2/85 LAST NM 29/95 1/96
Add Light symbol 6°03′S 35°07′W
(20(217P)95 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 1/96 11/96
Add Light symbol 2°23′S 43°16′W
(22(243)95 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 11/96 31/96
Add Light symbol 3°24′S 39°01′W
(See 44/85-107)
(11(103P)96 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 31/96 32/97
Delete R Bn at light 1°17′S 44°54′W
(12(99)97 Rio de Janeiro)

107 (INT 216) 3Ed. 3/2/85 LAST NM 32/97 38/98
Delete Light symbol 0°25′S 47°55′W
(Brz LL)

107 (INT 216) 3Ed. 3/2/85 LAST NM 38/98 8/00
Add Depth 591 meters [I10] 1°52′S 40°45′W
(10(117)95 Rio de Janeiro)

★**108** (INT 403) 9Ed. 1/8/94 NEW EDITION 18/94
Delete R Bn at light 26°15′N 80°05′W
(Previously published 4/94)

Delete R Bn at light 43°47.0′N 68°51.3′W
(Previously published 7/94)

Delete R Bn at light 40°50.5′N 72°28.7′W
(Previously published 10/94)

Relocate Superbuoy ODAS "44011"
(41°03.6′N 66°33.3′W) to 41°05.0′N 66°35.0′W
(Previously published 10/94)

Delete R Bn 22°23′N 78°48′W

Add Light flare symbol to superbuoy ODAS
"44009" 38°28′N 74°42′W
"41015" 35°24′N 75°14′W
"41017" 35°24′N 75°05′W

R Bn (AERO) 22°22′N 78°46′W
(DMAHTC; MCC1334/94)

108 (INT 403) 9Ed. 1/8/94 LAST NM 18/94 28/94
Relocate Superbuoy ODAS "44005" close NW to 42°54′N 68°57′W

Change Buoy "B" to RW, Racon
with light flare symbol 42°23′N 70°47′W

Add Superbuoy ODAS Y, Fl(4) Y (Priv) 43°05′N 67°35′W
Wreck (PA) 39°39′N 72°26′W
Light flare symbol to buoy 38°47′N 74°39′W
(17/94 CG1; USCG LL; 10(355)94 Ottawa)

108 (INT 403) 9Ed. 1/8/94 LAST NM 28/94 30/94
Delete R Bn 40°38′N 73°19′W
R Bn at light 43°46′N 69°18′W
(23/94 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 30/94 33/94
Substitute Buoy Y, Fl Y (Priv) for
superbuoy ODAS 43°05′N 67°35′W
(See 28/94-108)

Add Buoy Y, Fl Y (Priv) 44°17′N 67°41′W
43°57′N 67°45′W
(15/94 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 33/94 35/94
Add Superbuoy ODAS "41021" Y,
Fl(4) Y 20s 31°55′N 80°51′W
(27/94 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 35/94 48/94
Delete Buoy 43°05′N 67°35′W
44°17′N 67°41′W
43°57′N 67°45′W
(Cancels 33/94-108)
(MCC1348/94)

108 (INT 403) 9Ed. 1/8/94 LAST NM 48/94 52/94
Add Superbuoy ODAS "41016" Y, Fl(4) Y 20s 24°38′N 76°31′W
(MCC1348/94)

108 (INT 403) 9Ed. 1/8/94 LAST NM 52/94 53/94
Delete Light 43°59′N 64°40′W
(23(731)94 Ottawa)

108 (INT 403) 9Ed. 1/8/94 LAST NM 53/94 1/95
Delete R Bn 27°04′N 80°07′W

Superbuoy ODAS "41021" 31°55′N 80°51′W
(Supersedes 35/94-108)
(46, 47/94 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 1/95 2/95
Delete R Bn at light 30°22′N 81°25′W
(49/94 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 2/95 10/95
Delete R Bn at light 33°53′N 78°01′W
(2/95 CG5)

108 (INT 403) 9Ed. 1/8/94 LAST NM 10/95 11/95
Delete R Bn at light 41°10′N 71°36′W
40°27′N 73°49′W
(4, 5/95 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 11/95 20/95
Add Superbuoy ODAS "41021" Y,
Fl(4) Y 20s 31°55′N 80°51′W
(See 1/95-108)
(16/95 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 20/95 48/95
Add Light symbol 43°59′N 64°40′W
(Supersedes 53/94-108)
(11(307)95 Ottawa)

108 (INT 403) 9Ed. 1/8/94 LAST NM 48/95 50/95
Delete R Bn 43°04′N 70°43′W
(40/95 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 50/95 7/96
Delete Superbuoy ODAS "41021" 31°55′N 80°51′W
(Supersedes 20/95-108)
(51/95 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 7/96 12/96
Delete R Bn at light 22°03′N 80°24′W
(5(103)95 Habana)

108 (INT 403) 9Ed. 1/8/94 LAST NM 12/96 14/96
Delete R Bn at light 36°55′N 76°00′W

R Bn 34°42′N 76°41′W
38°47′N 75°05′W
(8/96 CG5)

108 (INT 403) 9Ed. 1/8/94 LAST NM 14/96 37/96
Add Depth 11 meters "Rep (1994)" 34°03′N 76°47′W
(SMEA039/96)

★**108** (INT 403) 9Ed. 1/8/94 LAST NM 37/96 8/97
Add Danger circle "Unexploded ordnance
Rep (1997)" 42°39′N 69°17′W
(3/97 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 8/97 23/97
Delete R Bn at light 22°41′N 78°53′W
(9(222)96 Habana)

108 (INT 403) 9Ed. 1/8/94 LAST NM 23/97 27/97
Delete R Bn (AERO) 25°42′N 79°15′W
(GIMM001/97)

108 (INT 403) 9Ed. 1/8/94 LAST NM 27/97 28/97
Delete R Bn at light 28°27′N 80°33′W
(GIMM002/97)

108 (INT 403) 9Ed. 1/8/94 LAST NM 28/97 29/97
Delete Superbuoy ODAS "41006" 29°18′N 77°22′W
(24/97 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 29/97 37/97
Substitute Buoy "N" RW, Mo(A), Strobe Fl 4s Racon
for superbuoy LANBY "N" 40°30′N 69°26′W
(31/97 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 37/97 28/98
Delete Light and Racon 31°57′N 80°41′W
(19/98 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 28/98 28/99
Delete Buoy "N" 40°30′N 69°26′W
(22/99 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 28/99 50/99
Delete Light symbol 26°05′N 80°06′W
(40/99 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 50/99 16/00
Relocate Superbuoy ODAS "44142" from
42°27′N 64°14′W to 42°30′N 64°01′W
(6(1126)99 Ottawa)

108 (INT 403) 9Ed. 1/8/94 LAST NM 16/00 27/00
Delete R Bn (AERO) 22°22′N 78°46′W
(12(177)99 Habana)

108 (INT 403) 9Ed. 1/8/94 LAST NM 27/00 38/01
Delete Superbuoy ODAS "44004" 38°30′N 70°41′W

Relocate Superbuoy ODAS "41002" from
32°18′N 75°14′W to 32°16′N 75°26′W

Add Superbuoy ODAS [Q58] "44004" Y,
Fl(4) Y 20s 38°30′N 70°28′W
(29/01 CG7; NTM0020/2001)

108 (INT 403) 9Ed. 1/8/94 LAST NM 38/01 42/01
Relocate Superbuoy ODAS "41001" from
34°38′N 72°39′W to 34°40′N 72°13′W
(NTM0020/2001)

108 (INT 403) 9Ed. 1/8/94 LAST NM 42/01 12/02
Relocate Superbuoy ODAS "41002" from
32°16′N 75°26′W to 32°13′N 75°28′W
(See 38/01-108)
(NTM0013/2002)

108 (INT 403) 9Ed. 1/8/94 LAST NM 12/02 13/02
Relocate Superbuoy ODAS "44011" from
41°05′N 66°35′W to 41°04′N 66°35′W
(NTM0013/2002)

108 (INT 403) 9Ed. 1/8/94 LAST NM 13/02 32/02
Add Danger circle "Obstn" [K40] (PA) 31°48′N 79°34′W
(NOS)

108 (INT 403) 9Ed. 1/8/94 LAST NM 32/02 35/02
Add Superbuoy ODAS [Q58] "41012" Y,
Fl(4) Y 20s 30°00′N 80°30′W
(27/02 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 35/02 34/03
Delete R Bn at light 32°01′N 80°50′W
(26/03 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 34/03 39/03
Delete Depth 11 meters, danger circle and legend
"(Rep 1994)" 34°03′N 76°47′W
(NOS)

108 (INT 403) 9Ed. 1/8/94 LAST NM 39/03 19/04
Add Wreck [K29] "Rep (2004)" 25°54′N 79°55′W
(NTM0001/2004)

108 (INT 403) 9Ed. 1/8/94 LAST NM 19/04 21/04
Relocate Superbuoy ODAS "41012" from
30°00′N 80°30′W to 30°03′N 80°33′W
(NTM0036/2003)

108 (INT 403) 9Ed. 1/8/94 LAST NM 21/04 1/05
Relocate Superbuoy ODAS "41002" from
32°13′N 75°28′W to 32°19′N 75°21′W
(NOS)

108 (INT 403) 9Ed. 1/8/94 LAST NM 1/05 26/05
Relocate Superbuoy ODAS "44005" from
42°54′N 68°57′W to 43°11′N 69°10′W

Add Depth 1116 meters "Rep (2005)" 27°26′N 76°35′W
(NTM0002, 0024/2005)

108 (INT 403) 9Ed. 1/8/94 LAST NM 26/05 13/06
Relocate Superbuoy ODAS "44011" from
41°06′N 66°37′W to 41°07′N 66°35′W
(9/06 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 13/06 28/06
Add Depth 390 meters 23°07′N 79°16′W
(NTM0007/2005)

108 (INT 403) 9Ed. 1/8/94 LAST NM 28/06 8/07
Substitute Depth 8 meters for 13 meters 20°08′N 68°51′W

Add Depth 63 meters, blue tint and enclosing
dotted-line circle 20°03′N 69°22′W
(46(5388)05 Taunton)

108 (INT 403) 9Ed. 1/8/94 LAST NM 8/07 12/07
Add Superbuoy ODAS [Q58] "41424" RW,
Fl(4) Y 20s 32°56′N 72°28′W
(18/06 CG5)

108 (INT 403) 9Ed. 1/8/94 LAST NM 12/07 42/07
Add Wreck [K29] 40°26′N 68°21′W
(NOS)

108 (INT 403) 9Ed. 1/8/94 LAST NM 42/07 5/08
Relocate Superbuoy ODAS "41002" from
32°19′N 75°21′W to 32°20′N 75°27′W
(48/07 CG7)

108 (INT 403) 9Ed. 1/8/94 LAST NM 5/08 8/08
Substitute Buoy RW, pillar, Fl 5s WHIS for light 40°27′N 73°48′W
(NOS)

108 (INT 403) 9Ed. 1/8/94 LAST NM 8/08 25/08
Add Buoy Y, pillar, Fl(5) Y (Priv) with legend
"ODAS" 42°20′N 65°55′W
(5(8006)08 Ottawa)

108 (INT 403) 9Ed. 1/8/94 LAST NM 25/08 39/08
Relocate Superbuoy ODAS "44005" from
43°11′N 69°10′W to 43°10′N 69°08′W
(31/08 CG1)

108 (INT 403) 9Ed. 1/8/94 LAST NM 39/08 8/09
Delete Radiobeacon at light 43°24′N 66°00′W
Radiobeacon at light 41°04′N 71°52′W
(11(4000)08 Ottawa)

★**108** (INT 403) 9Ed. 1/8/94 LAST NM 8/09 23/09
Add Superbuoy ODAS [Q58] "41049" Y, Fl(4) Y 20s 27°30′N 63°00′W
(NTM0025/2009)

108 (INT 403) 9Ed. 1/8/94 LAST NM 23/09 24/09
Add Depth 1712 meters "Rep (2009)" 25°31′N 77°24′W
(NTM0035/2008)

108 (INT 403) 9Ed. 1/8/94 LAST NM 24/09 26/09
Add Wreck [K29] 31°24′N 74°07′W
Wreck [K29] 35°52′N 70°08′W
(NTM0028/2009)

108 (INT 403) 9Ed. 1/8/94 LAST NM 26/09 30/09
Add Superbuoy ODAS [Q58] "44066" Y, Fl(4) Y 20s 39°35′N 72°36′W
(25/09 CG5)

108 (INT 403) 9Ed. 1/8/94 LAST NM 30/09 33/09
Add Depth 536 meters 32°13′N 77°44′W
Depth 3968 meters 30°11′N 75°51′W
(NTM0022/2009)

★**109** (INT 404) 5Ed. 8/5/95 NEW EDITION 41/95
(DMA)

109 (INT 404) 5Ed. 8/5/95 LAST NM 41/95 48/95
Add Light symbol 43°59′N 64°40′W
(11(307)95 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 48/95 7/96
Delete Purple circle at light 46°27′N 61°58′W
(24(701)95 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 7/96 13/96
Delete Purple circle at light 49°19′N 67°23′W

Relocate Superbuoy ODAS "44140" close W to 42°51′N 51°34′W
(2(128, 137)96 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 13/96 36/96
Delete Purple circle at light 49°05′N 61°42′W
(7(373)96 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 36/96 42/96
Delete Purple circle at light 46°03′N 59°40′W
45°20′N 60°55′W
(8(426, 430)96 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 42/96 2/97
Delete Purple circle at light 44°27′N 63°33′W
47°51′N 61°09′W
48°00′N 64°32′W

Substitute Depth 36 meters "Rep (1982)" (PA) for 37 meters "Rep (1982)" (PA) 45°53′N 47°41′W

Add Danger circle "Obstn" 45°32′N 48°37′W
(GIMM001/97)

109 (INT 404) 5Ed. 8/5/95 LAST NM 2/97 8/97
Add Danger circle "Unexploded ordnance Rep (1997)" 42°39′N 69°17′W
(3/97 CG1)

109 (INT 404) 5Ed. 8/5/95 LAST NM 8/97 37/97
Substitute Buoy "N" RW, Mo(A), Strobe Fl 4s Racon for superbuoy LANBY "N" 40°30′N 69°26′W
(31/97 CG1)

109 (INT 404) 5Ed. 8/5/95 LAST NM 37/97 23/98
Delete Buoy "Virgin Rocks" 46°28′N 50°40′W
(4(E739)98 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 23/98 26/98
Delete Light 48°30′N 64°13′W
(4(E717)98 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 26/98 43/98
Add Superbuoy ODAS "44153" Y, Fl(5) Y 20s 46°44′N 48°49′W
(9(E1712)98 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 43/98 28/99
Delete Buoy "N" 40°30′N 69°26′W
(22/99 CG1)

109 (INT 404) 5Ed. 8/5/95 LAST NM 28/99 16/00
Relocate Superbuoy ODAS "44142" from 42°27′N 64°16′W to 42°30′N 64°01′W
(6(1126)99 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 16/00 26/05
Relocate Superbuoy ODAS "44005" from 42°54′N 68°57′W to 43°11′N 69°10′W
(NTM0002/2005)

109 (INT 404) 5Ed. 8/5/95 LAST NM 26/05 2/07
Delete Superbuoy ODAS "44153" 46°44′N 48°49′W
(3(4000)06 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 2/07 19/07
Delete Light 43°56′N 60°02′W
(10(4013)04 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 19/07 42/07
Add Wreck [K29] 40°26′N 68°21′W
(NOS)

109 (INT 404) 5Ed. 8/5/95 LAST NM 42/07 44/07
Substitute Disused submarine cable [L32] for submarine cable between 46°22′N 60°13′W
47°22′N 56°05′W

Disused submarine cable [L32] for submarine cable between 46°22′N 60°14′W
47°17′N 56°07′W
(12(4002)04 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 44/07 25/08
Add Buoy Y, pillar, Fl(5) Y (Priv) with legend "ODAS" 42°20′N 65°55′W
(5(8006)08 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 25/08 39/08
Relocate Superbuoy ODAS "44005" from 43°11′N 69°10′W to 43°10′N 69°08′W
(31/08 CG1)

109 (INT 404) 5Ed. 8/5/95 LAST NM 39/08 43/08
Relocate Superbuoy ODAS "44139" from 44°19′N 57°21′W to 44°14′N 57°06′W
(1(4006)05 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 43/08 8/09
Delete Purple circle at light 43°24′N 66°01′W
Purple circle at light 41°04′N 71°52′W
(11(4000)08 Ottawa)

109 (INT 404) 5Ed. 8/5/95 LAST NM 8/09 30/09
Add Superbuoy ODAS [Q58] "44066" Y, Fl(4) Y 20s 39°35′N 72°36′W
(25/09 CG5)

★**110** (INT 405) 2Ed. 3/16/96 NEW EDITION 26/96
Delete Racon 60°04′N 43°13′W
59°59′N 45°13′W
62°00′N 49°41′W

Add Depth 156 meters enclosed by dotted-line circle 59°45.3′N 46°08.8′W
(DMA; SMEA006/96)

110 (INT 405) 2Ed. 3/16/96 LAST NM 26/96 29/96
Substitute Depth 292 meters for 1125 meters 55°09′N 34°53′W

Add Depth 422 meters 56°31′N 34°00′W
(SMEA006/96)

110 (INT 405) 2Ed. 3/16/96 LAST NM 29/96 34/07
Delete Light symbol and R Bn 60°42′N 64°38′W
(2(4700)07 Ottawa)

110 (INT 405) 2Ed. 3/16/96 LAST NM 34/07 36/07
Delete Light symbol 61°18′N 64°53′W
(12(5002)06 Ottawa)

★111 (INT 406) 3Ed. 4/12/97 NEW EDITION 25/97
(NIMA)

111 (INT 406) 3Ed. 4/12/97 LAST NM 25/97 51/06
Delete Light and R Bn 62°32′N 70°34′W
(3(4000)06 Ottawa)

111 (INT 406) 3Ed. 4/12/97 LAST NM 51/06 34/07
Delete Light symbol and R Bn 60°42′N 64°37′W
(2(4700)07 Ottawa)

111 (INT 406) 3Ed. 4/12/97 LAST NM 34/07 36/07
Delete Light and R Bn 61°18′N 64°52′W
(12(5002)06 Ottawa)

111 (INT 406) 3Ed. 4/12/97 LAST NM 36/07 24/08
Delete Legend "AERO" from radiobeacon 58°27′N 78°07′W
(7(4000)06 Ottawa)

★112 (INT 112) 6Ed. 6/15/96 NEW EDITION 34/96
(DMA)

112 (INT 112) 6Ed. 6/15/96 LAST NM 34/96 8/98
Substitute Depth 94 meters for 111 meters 63°49′N 15°10′W

Add Depth 47 meters 64°00′N 15°36′W
(GIMM011/98)

112 (INT 112) 6Ed. 6/15/96 LAST NM 8/98 19/98
Delete RC 64°39.0′N 14°17.0′W
RC at light 65°30.0′N 24°30.0′W
(12(34, 35)97 Reykjavik)

112 (INT 112) 6Ed. 6/15/96 LAST NM 19/98 23/99
Delete RC at light 63°48′N 22°42′W
66°07′N 20°06′W

RC 66°27′N 15°56′W
63°31′N 17°58′W
(1(5)99 Reykjavik)

112 (INT 112) 6Ed. 6/15/96 LAST NM 23/99 27/99
Delete RC at light. 63°48′N 16°38′W
(4(15)99 Reykjavik)

112 (INT 112) 6Ed. 6/15/96 LAST NM 27/99 48/08
Delete Depth 188 meters and enclosing depth contour
(200-meter) centered 63°54′N 24°26′W

Depth 198 meters 67°03′N 22°06′W

Depth 190 meters and enclosing depth contour
(200-meter) centered 66°51′N 20°35′W
Depth 179 meters and enclosing depth contour
(200-meter) centered 66°52′N 13°44′W

Depth 141 meters 66°37′N 13°24′W
(3-4(5)08 Reykjavik)

★113 (INT 113) 4Ed. 6/15/96 NEW EDITION 33/96
(DMA)

113 (INT 113) 4Ed. 6/15/96 LAST NM 33/96 4/08
Add Depth 1245 meters "Rep (2007)" 72°17′N 0°39′W
(NTM0002/2008)

★120 6Ed. 8/20/94 NEW EDITION 51/94
Add Superbuoy ODAS "41018" Y,
Fl(4) Y 20s 15°00′N 75°00′W
(Previously published 47/94)

Delete Buoy 43°05′N 67°35′W
(DMAHTC; MCC1348/94)

120 6Ed. 8/20/94 LAST NM 51/94 1/95
Delete R Bn 27°04′N 80°07′W
(47/94 CG7)

120 6Ed. 8/20/94 LAST NM 1/95 2/95
Delete R Bn 30°22′N 81°25′W
(49/94 CG7)

120 6Ed. 8/20/94 LAST NM 2/95 4/95
Add Superbuoy ODAS "44140" Y,
Fl(5) Y 20s 42°42′N 50°30′W
(25(784)94 Ottawa)

120 6Ed. 8/20/94 LAST NM 4/95 10/95
Delete R Bn 33°54′N 78°00′W
35°49′N 75°31′W

(2/95 CG5)

120 6Ed. 8/20/94 LAST NM 10/95 11/95
Delete R Bn 40°27′N 73°50′W
(4/95 CG1)

120 6Ed. 8/20/94 LAST NM 11/95 15/95
Delete Depth
10 fathoms 38°13′N 29°06′W
11 fathoms 37°50′N 29°17′W
75 fathoms 37°45′N 29°05′W
(7(24)95 Brest)

120 6Ed. 8/20/94 LAST NM 15/95 29/95
Add Depth 321 fathoms 6°21′N 32°58′W
(14(56)95 Brest)

120 6Ed. 8/20/94 LAST NM 29/95 49/95
Delete R Bn 43°06′N 70°40′W
(40/95 CG1)

120 6Ed. 8/20/94 LAST NM 49/95 5/96
Delete Depth 23 fathoms 46°07′N 48°12′W
(Can CH 4049)

120 6Ed. 8/20/94 LAST NM 5/96 12/96
Delete R Bn 22°03′N 80°24′W
(5(103)95 Habana)

120 6Ed. 8/20/94 LAST NM 12/96 13/96
Delete Superbuoy ODAS "41018" 15°00′N 75°00′W

Relocate Superbuoy ODAS "44140"
(42°42′N 50°30′W) to 42°51′N 51°34′W
(8/96 CG7; 2(128)96 Ottawa)

120 6Ed. 8/20/94 LAST NM 13/96 14/96
Delete R Bn 34°43′N 76°42′W
36°55′N 76°00′W
38°47′N 75°08′W

(8/96 CG5)

120 6Ed. 8/20/94 LAST NM 14/96 17/96
Delete Depth 57 fathoms 38°20′N 30°06′W
(4(33)96 Brest)

120 6Ed. 8/20/94 LAST NM 17/96 29/96
Substitute Depth
128 fathoms for 725 fathoms 6°19′N 22°37′W
416 fathoms for 875 fathoms 6°10′N 24°52′W

Add Depth 432 fathoms 6°00′N 24°57′W
(23(1907)96 Taunton)

120 6Ed. 8/20/94 LAST NM 29/96 37/96
Add Depth 6 fathoms "Rep (1994)" 34°03′N 76°47′W
(SMEA039/96)

120 6Ed. 8/20/94 LAST NM 37/96 42/96
Delete R Bn 46°03′N 59°40′W
45°20′N 60°55′W
(8(426, 430)96 Ottawa)

120 6Ed. 8/20/94 LAST NM 42/96 28/97
Delete R Bn 28°28′N 80°35′W
(GIMM002/97)

120 6Ed. 8/20/94 LAST NM 28/97 37/97
Delete Superbuoy LANBY 40°30′N 69°25′W
(31/97 CG1)

120 6Ed. 8/20/94 LAST NM 37/97 12/98
Substitute Depth 14 fathoms for 19 fathoms 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

120 6Ed. 8/20/94 LAST NM 12/98 5/99
Delete R Bn 50°00′N 6°20′W
(30/98 Trinity House)

120 6Ed. 8/20/94 LAST NM 5/99 42/99
Add Superbuoy ODAS Y with light flare symbol
14°37′N 56°15′W
Superbuoy ODAS Y with light flare symbol
15°57′N 57°55′W
(10(59)99 Brest)

120 6Ed. 8/20/94 LAST NM 42/99 49/99
Substitute Depth 6 fathoms 3 feet for 3 fathoms 5 feet
38°13′N 26°36′W
(1(52)98 Lisboa)

120 6Ed. 8/20/94 LAST NM 49/99 10/00
Delete R Bn 38°47′N 9°30′W
(21(298)99 Lisboa)

120 6Ed. 8/20/94 LAST NM 10/00 16/00
Relocate Superbuoy ODAS “44142” from
42°31′N 64°12′W to 42°30′N 64°01′W
(6(1126)99 Ottawa)

120 6Ed. 8/20/94 LAST NM 16/00 18/00
Substitute Depth 64 fathoms “Rep (2000)” for
270 fathoms 34°31′N 30°36′W
(NTM0001/2000)

120 6Ed. 8/20/94 LAST NM 18/00 48/00
Delete R Bn 48°28′N 5°08′W
R Bn 47°50′N 4°20′W
R Bn 47°55′N 4°10′W
R Bn 46°45′N 2°20′W
(3(13)00 Brest)

120 6Ed. 8/20/94 LAST NM 48/00 34/01
Delete R Bn 37°01′N 8°55′W
(4(145)01 Lisboa; Por LL)

120 6Ed. 8/20/94 LAST NM 34/01 38/01
Delete Superbuoy ODAS 32°18′N 75°14′W

Add Superbuoy ODAS [Q58] “41002” Y,
Fl(4) Y 20s 32°16′N 75°26′W
(29/01 CG7)

120 6Ed. 8/20/94 LAST NM 38/01 44/01
Delete R Bn 41°12′N 8°35′W
R Bn 40°40′N 8°45′W
R Bn 40°15′N 8°50′W
R Bn 39°23′N 9°30′W
(4(134)01 Lisboa)

120 6Ed. 8/20/94 LAST NM 44/01 39/03
Delete Depth 6 fathoms, danger circle and legend
“(Rep 1994)” 34°03′N 76°47′W
(NOS)

120 6Ed. 8/20/94 LAST NM 39/03 26/05
Relocate Superbuoy ODAS “44005” from
42°54′N 68°57′W to 43°11′N 69°10′W

Add Depth 610 fathoms “Rep (2005)” 27°26′N 76°35′W
(NTM0002, 0024/2005)

120 6Ed. 8/20/94 LAST NM 26/05 8/06
Delete R Bn 33°01′N 16°18′W
R Bn 32°40′N 16°37′W
R Bn 28°03′N 16°34′W
R Bn 28°12′N 15°22′W
R Bn 28°17′N 13°55′W
R Bn 33°35′N 7°34′W
(28(294)05 Cadiz)

120 6Ed. 8/20/94 LAST NM 8/06 20/06
Delete R Bn 42°15′N 8°48′W
R Bn 42°57′N 9°11′W
R Bn 43°10′N 9°09′W
R Bn 43°40′N 5°50′W
R Bn 43°25′N 2°45′W
R Bn 35°47′N 5°56′W
(40(400)05 Cadiz; Spn LL)

120 6Ed. 8/20/94 LAST NM 20/06 28/06
Add Depth 208 fathoms 23°07′N 79°16′W
(NTM0007/2005)

120 6Ed. 8/20/94 LAST NM 28/06 50/06
Add Depth 4 fathoms Obstn [K41] “Rep (2006)”
16°29′N 81°22′W
Depth 4 fathoms Obstn [K41] “Rep (2006)”
16°23′N 81°19′W
(43(4946)06 Taunton)

120 6Ed. 8/20/94 LAST NM 50/06 8/07
Substitute Depth 4 fathoms 3 feet for 7 fathoms 20°08′N 68°51′W
(46(5388)05 Taunton)

120 6Ed. 8/20/94 LAST NM 8/07 24/07
Add Superbuoy ODAS [Q58] “41036” Y,
Fl(4) Y 20s 34°13′N 76°57′W
(NTM0018/2007)

120 6Ed. 8/20/94 LAST NM 24/07 10/08
Add Depth 116 fathoms enclosed by depth contour
(1000-fathom) 44°07′N 22°07′W
Depth 57 fathoms enclosed by depth contour
(100-fathom) 38°19′N 30°06′W
(10(1157, 1158)03 Taunton)

120 6Ed. 8/20/94 LAST NM 10/08 20/08
Substitute Depth 123 fathoms “Rep (2007)” [I3.2] for
2700 fathoms 36°57′N 49°15′W
(7(883)08 Taunton)

120 6Ed. 8/20/94 LAST NM 20/08 43/08
Relocate Superbuoy ODAS “44139” from
44°20′N 57°20′W to 44°14′N 57°06′W
(1(4006)05 Ottawa)

120 6Ed. 8/20/94 LAST NM 43/08 8/09
Delete Radiobeacon 43°24′N 66°01′W
Radiobeacon 41°04′N 71°54′W
(11(4000)08 Ottawa)

120 6Ed. 8/20/94 LAST NM 8/09 23/09
Add Superbuoy ODAS [Q58] “41049” Y,
Fl(4) Y 20s 27°30′N 63°00′W

Superbuoy ODAS [Q58] “41044” Y,
Fl(4) Y 20s 21°39′N 58°42′W
(NTM0025/2009)

120 6Ed. 8/20/94 LAST NM 23/09 29/09
Add Superbuoy ODAS [Q58] “42060” Y,
Fl(4) Y 20s 16°30′N 63°30′W
(NTM0025/2009)

120 6Ed. 8/20/94 LAST NM 29/09 33/09
Add Depth 293 fathoms 32°13′N 77°44′W
Depth 2169 fathoms 30°11′N 75°51′W
(NTM0022/2009)

★121 5Ed. 2/12/83 NEW EDITION 15/83
Delete Depth 142 fathoms 37°43′N 28°55′W
(Previously published 8/83)

Add Depths
57 fathoms 38°20′N 30°06′W
75 fathoms 37°45′N 29°08′W
(Previously published 8/83)

Add Wreck "(15 fathoms rep)" 46°43′18″N 48°50′06″W
(Previously published 13/83)
(DMAHTC)

121 5Ed. 2/12/83 LAST NM 15/83 22/83
Add Depth 8¾ fathoms 66°26′N 17°59′W
(NVS6862/83)

121 5Ed. 2/12/83 LAST NM 22/83 24/83
Delete Legend "Chaucer Bank Rep (ED)" 43°00′N 29°40′W

Depths
13 fathoms 42°58′N 28°42′W
18 fathoms 42°48′N 28°42′W
45 fathoms "Rep" 43°13′N 29°35′W
70 fathoms "Rep" 43°34′N 29°20′W
28 fathoms and enclosing
depth contour (30-fathom) 43°00′N 29°00′W
(NVS6940/83)

121 5Ed. 2/12/83 LAST NM 24/83 36/83
Add Depth 20 fathoms "Rep (1982)" (PA) 45°53′N 47°40′W
(NVS7009/83)

121 5Ed. 2/12/83 LAST NM 36/83 40/83
Delete Wreck 46°43′18″N 48°50′06″W
(See 15/83-121)

Add Wreck 46°01.6′N 47°57.4′W
(NVS7042/83)

121 5Ed. 2/12/83 LAST NM 40/83 4/84
Substitute Depth 54 fathoms Wk for wreck 46°01.6′N 47°54.4′W

Add Depth 15 fathoms Wk 46°43.3′N 48°50.1′W
(Supersedes 40/83-121)
(40(949)83 Ottawa)

121 5Ed. 2/12/83 LAST NM 4/84 10/84
Delete Depth 15 fathoms Wk 46°43.3′N 48°50.1′W
(See 4/84-121)
(5(140)84 Ottawa)

121 5Ed. 2/12/83 LAST NM 10/84 16/84
Add Depth 189 fathoms 36°26′N 33°51′W
(10(605)84 Taunton)

121 5Ed. 2/12/83 LAST NM 16/84 20/84
Add Depth 281 fathoms 37°31.5′N 29°36.7′W
(13(819)84 Taunton)

121 5Ed. 2/12/83 LAST NM 20/84 34/84
Delete Depth 8¾ fathoms 66°26′N 17°59′W

Add Depths
99 fathoms 66°40.0′N 17°44.0′W
98 fathoms 66°25.0′N 17°37.5′W
56 fathoms 66°19.0′N 19°37.0′W
81 fathoms 66°12.5′N 14°23.0′W
40 fathoms 66°21.0′N 14°00.0′W
62 fathoms 66°36.5′N 14°37.5′W
375 fathoms 67°07.5′N 13°15.0′W
164 fathoms 67°07.2′N 17°55.7′W
114 fathoms 65°59.0′N 12°25.0′W
(25(1591)84 Taunton)

121 5Ed. 2/12/83 LAST NM 34/84 38/85
Delete Depth 526 fathoms 38°10′N 26°09′W

Add Depths
169 fathoms 38°44′N 26°32′W
244 fathoms 38°10′N 26°02′W
275 fathoms 37°45′N 26°18′W
291 fathoms 37°26′N 26°27′W
128 fathoms 37°08′N 31°24′W
(31(2038)85 Taunton)

121 5Ed. 2/12/83 LAST NM 38/85 44/85
Delete Depths
15 fathoms "Rep (1950)" 49°51′N 11°35′W
49 fathoms 49°41′N 12°02′W
6½ fathoms 49°33′N 11°40′W
12 fathoms "Rep (1947)" 49°32′N 11°20′W
8 fathoms 49°21′N 11°23′W
7 fathoms "Rep (1951)" 49°10′N 11°30′W
(BA CH 2)

121 5Ed. 2/12/83 LAST NM 44/85 50/85
Delete Depth 370 fathoms 46°20′N 27°22′W
(41(26)85 Brest)

121 5Ed. 2/12/83 LAST NM 50/85 13/86
Add Depth 45 fathoms "Rep (1985)" 63°38.5′N 16°58.0′W

Legend
"Local Magnetic Anomaly Rep" 59°56.0′N 3°16.0′W
(1(35, 2(122)86 Taunton)

121 5Ed. 2/12/83 LAST NM 13/86 37/86
Add Depth 86 fathoms 36°50′N 7°28′W
(MCNM7802/86)

121 5Ed. 2/12/83 LAST NM 37/86 32/88
Add Depth 48 fathoms "Rep (1988)" 53°59′N 13°10′W
(MCNM0100/88)

121 5Ed. 2/12/83 LAST NM 32/88 44/88
Add Superbuoys ODAS 52°44′N 25°02′W
52°06′N 25°50′W
52°42′N 26°36′W
(36(2680)88 Taunton)

121 5Ed. 2/12/83 LAST NM 44/88 12/89
Delete Depth 29 fathoms (PA) 43°03′N 9°35′W
(45(1094)88 Cadiz)

121 5Ed. 2/12/83 LAST NM 12/89 28/89
Add Depth 159 fathoms "Rep" 55°08′N 34°55′W
(20(1536)89 Taunton)

121 5Ed. 2/12/83 LAST NM 28/89 34/89
Add Depth 51 fathoms 38°45′N 30°01′W
(MCNM7551/85)

121 5Ed. 2/12/83 LAST NM 34/89 35/89
Add Depth 37 fathoms 59°33′N 28°10′W
(MCNM7551/85)

121 5Ed. 2/12/83 LAST NM 35/89 45/90
Delete Depth 37 fathoms 59°33′N 28°10′W
(MCNM1021/90)

121 5Ed. 2/12/83 LAST NM 45/90 28/91
Add Superbuoys, each ODAS Y, Fl(5) Y 20s
"44137" 41°11.6′N 61°07.8′W
"44139" 44°19.2′N 57°21.2′W
"44140" 42°43.8′N 50°36.4′W
"44142" 42°29.6′N 64°12.0′W
"44141" 42°04.0′N 56°09.1′W
(MCNM1098/91)

121 5Ed. 2/12/83 LAST NM 28/91 48/91
Add Superbuoy ODAS "44138" Y, Fl(5) Y 20s 44°13′N 53°36′W
(44(834)91 Ottawa)

121 5Ed. 2/12/83 LAST NM 48/91 51/91
Delete Depth 71 fathoms 37°30′N 30°22′W
(38(27)91 Brest)

121 5Ed. 2/12/83 LAST NM 51/91 3/92
Relocate Superbuoy ODAS "44141"
(42°04.0′N 56°09.1′W) to 42°04.0′N 50°09.1′W
(See 28/91-121)
(50(943)91 Ottawa)

121 5Ed. 2/12/83 LAST NM 3/92 5/92
Add Superbuoys, each ODAS Y, Fl(5) Y 20s
"23" 53°12′N 15°04′W
(undesignated) 56°55′N 12°58′W
(37(2604, 2608)91 Taunton)

121 5Ed. 2/12/83 LAST NM 5/92 11/92
Relocate Superbuoy ODAS "44141"
(42°04.0′N 50°09.1′W) to 42°04.0′N 56°09.1′W
(See 3/92-121)
(6(107)92 Ottawa)

121 5Ed. 2/12/83 LAST NM 11/92 15/92
Add Superbuoys, each ODAS Y, Fl(5) Y 20s
"25GB" 51°01′N 13°19′W
"24GB" 48°42′N 12°23′W
(4(224)92 Taunton)

121 5Ed. 2/12/83 LAST NM 15/92 3/94
Delete Superbuoy ODAS "44140" 42°43.8′N 50°36.4′W
(45(830)93 Ottawa)

121 5Ed. 2/12/83 LAST NM 3/94 4/94
Delete Superbuoy ODAS 56°55′N 12°58′W
(45(3795)93 Taunton)

121 5Ed. 2/12/83 LAST NM 4/94 28/94
Add Superbuoy ODAS Y, Fl(4) Y (Priv) 43°05′N 67°35′W
(10(355, 366)94 Ottawa)

121 5Ed. 2/12/83 LAST NM 28/94 33/94
Substitute Buoy Y, Fl Y (Priv) for
superbuoy ODAS 43°05′N 67°35′W
(See 28/94-121)
(15/94 CG1)

121 5Ed. 2/12/83 LAST NM 33/94 36/94
Add Wreck (PA) 39°54′N 69°46′W
(22/94 CG1)

121 5Ed. 2/12/83 LAST NM 36/94 40/94
Delete Superbuoy ODAS "23" 53°12′N 15°04′W
(32(2681)94 Taunton)

121 5Ed. 2/12/83 LAST NM 40/94 48/94
Delete Buoy 43°05′N 67°35′W
(Cancels 33/94-121)
(MCC1348/94)

121 5Ed. 2/12/83 LAST NM 48/94 4/95
Add Superbuoy ODAS "44140" Y,
Fl(5) Y 20s 42°42′N 50°30′W
(25(784)94 Ottawa)

121 5Ed. 2/12/83 LAST NM 4/95 15/95
Delete Depth
10 fathoms 38°13′N 29°06′W
11 fathoms 37°50′N 29°17′W
75 fathoms 37°45′N 29°08′W
(7(24)95 Brest)

121 5Ed. 2/12/83 LAST NM 15/95 5/96
Delete Depth 16 fathoms 47°31′N 49°14′W
(Can CH 4049)

121 5Ed. 2/12/83 LAST NM 5/96 13/96
Relocate Superbuoy ODAS "44140"
(42°42′N 50°30′W) to 42°51′N 51°34′W
(2(128)96 Ottawa)

121 5Ed. 2/12/83 LAST NM 13/96 17/96
Delete Depth 57 fathoms 38°20′N 30°06′W
(4(33)96 Brest)

121 5Ed. 2/12/83 LAST NM 17/96 12/98
Substitute Depth 14 fathoms for 19 fathoms 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

121 5Ed. 2/12/83 LAST NM 12/98 49/99
Substitute Depth 6½ fathoms for 3 fathoms 38°13′N 26°36′W
(1(52)98 Lisboa)

121 5Ed. 2/12/83 LAST NM 49/99 16/00
Relocate Superbuoy ODAS "44142" from
42°30′N 64°12′W to 42°30′N 64°01′W
(6(1126)99 Ottawa)

121 5Ed. 2/12/83 LAST NM 16/00 38/01
Add Superbuoy ODAS [Q58] "44004" Y,
Fl(4) Y 20s 38°30′N 70°28′W
(NTM0020/2001)

121 5Ed. 2/12/83 LAST NM 38/01 42/04
Delete Depth 48 fathoms "Rep (1988)" 53°59′N 13°10′W
(NTM0019/2004)

121 5Ed. 2/12/83 LAST NM 42/04 10/08
Add Depth 116 fathoms enclosed by depth contour
(1000-fathom) 44°07′N 22°07′W
Depth 57 fathoms enclosed by depth contour
(100-fathom) 38°19′N 30°06′W
(10(1157, 1158)03 Taunton)

121 5Ed. 2/12/83 LAST NM 10/08 20/08
Add Depth 123 fathoms "Rep (2007)" [I3.2] 36°57′N 49°15′W
(7(883)08 Taunton)

121 5Ed. 2/12/83 LAST NM 20/08 40/08
Add Superbuoy ODAS [Q58] "M4" Y, Fl(5) Y 20s
55°00′N 10°00′W
Superbuoy ODAS [Q58] "M6" Y, Fl(5) Y 20s
53°04′N 15°56′W
(42(4778)06, 24(2717)07 Taunton)

121 5Ed. 2/12/83 LAST NM 40/08 43/08
Relocate Superbuoy ODAS "44139" from
44°15′N 57°21′W to 44°14′N 57°06′W
(1(4006)05 Ottawa)

121 5Ed. 2/12/83 LAST NM 43/08 48/08
Delete Depth 103 fathoms 63°55′N 24°26′W

Depth 98 fathoms "Rep (1968)" and enclosing
depth contour (100-fathom) centered 66°52′N 13°42′W
(3-4(5)08 Reykjavik)

★124 10Ed. 6/15/96 NEW EDITION 38/96
Add Depth 6 fathoms "Rep (1994)" 34°03′N 76°47′W
(Previously published 37/96)
(DMA)

124 10Ed. 6/15/96 LAST NM 38/96 42/96
Delete R Bn (AERO) 12°13′N 69°04′W
(BA RA)

124 10Ed. 6/15/96 LAST NM 42/96 23/97
Delete R Bn 22°41′N 78°53′W
(9(222)96 Habana)

124 10Ed. 6/15/96 LAST NM 23/97 28/97
Delete R Bn 28°29′N 80°32′W
(GIMM002/97)

124 10Ed. 6/15/96 LAST NM 28/97 42/99
Add Superbuoy ODAS Y with light flare symbol
14°37′N 56°15′W

(continued on next page)

124 (Continued) 42/99
Superbuoy ODAS Y with light flare symbol
15°57′N 57°55′W
(10(59)99 Brest)

124 10Ed. 6/15/96 LAST NM 42/99 18/03
Delete R Bn (AERO) 4°48′N 52°21′W
(7(56)00 Brest)

124 10Ed. 6/15/96 LAST NM 18/03 34/03
Delete R Bn 32°00′N 80°50′W
(26/03 CG7)

124 10Ed. 6/15/96 LAST NM 34/03 39/03
Delete Depth 6 fathoms, danger circle and legend "(Rep 1994)" 34°03′N 76°47′W
(NOS)

124 10Ed. 6/15/96 LAST NM 39/03 27/04
Delete Depth 4½ fathoms, enclosing dotted-line circle and legend "Rep (1972)" 17°00′N 83°15′W

Add Depth 14 fathoms 16°54′N 83°20′W
(NTM0012/2004)

124 10Ed. 6/15/96 LAST NM 27/04 26/05
Add Depth 610 fathoms "Rep (2005)" 27°26′N 76°35′W
(NTM0024/2005)

124 10Ed. 6/15/96 LAST NM 26/05 28/06
Add Depth 208 fathoms 23°07′N 79°16′W
(NTM0007/2005)

124 10Ed. 6/15/96 LAST NM 28/06 50/06
Add Depth 4 fathoms Obstn [K41] "Rep (2006)"
16°29′N 81°22′W
Depth 4 fathoms Obstn [K41] "Rep (2006)"
16°23′N 81°19′W
(43(4946)06 Taunton)

124 10Ed. 6/15/96 LAST NM 50/06 8/07
Substitute Depth 4½ fathoms for 7 fathoms 20°08′N 68°51′W
(46(5388)05 Taunton)

124 10Ed. 6/15/96 LAST NM 8/07 20/08
Substitute Depth 123 fathoms "Rep (2007)" [I3.2] for 2700 fathoms 36°57′N 49°15′W
(7(883)08 Taunton)

124 10Ed. 6/15/96 LAST NM 20/08 23/09
Add Superbuoy ODAS [Q58] "41049" Y, Fl(4) Y 20s 27°30′N 63°00′W

Superbuoy ODAS [Q58] "41044" Y, Fl(4) Y 20s 21°39′N 58°42′W
(NTM0025/2009)

124 10Ed. 6/15/96 LAST NM 23/09 29/09
Add Superbuoy ODAS [Q58] "42060" Y, Fl(4) Y 20s 16°30′N 63°30′W
(NTM0025/2009)

124 10Ed. 6/15/96 LAST NM 29/09 33/09
Add Depth 293 fathoms 32°13′N 77°44′W
Depth 2169 fathoms 30°11′N 75°51′W
(NTM0022/2009)

★**125** 7Ed. 4/12/86 NEW EDITION 25/86
(DMAHTC)

125 7Ed. 4/12/86 LAST NM 25/86 27/86
Add Depth 117 fathoms "Rep (1986)" 9°15.5′N 21°19.9′W
(17(1277)86 Taunton)

125 7Ed. 4/12/86 LAST NM 27/86 37/86
Add Depth 86 fathoms 36°50′N 7°28′W
(MCNM7802/86)

125 7Ed. 4/12/86 LAST NM 37/86 5/87
Add Depth 7 fathoms "Rep (1986)" 21°06′N 17°33′W
(MCNM7883/87)

125 7Ed. 4/12/86 LAST NM 5/87 14/87
Delete Depth 9 fathoms "Rep (1951)" (PD) 20°31′N 19°12′W
(MCNM7928/87)

125 7Ed. 4/12/86 LAST NM 14/87 25/87
Substitute Depth 135 fathoms "Rep" for 139 fathoms "Rep (1977)" 25°22′N 19°28′W

Add Depth 89 fathoms "Rep" 25°20′N 19°20′W
(16(32)87 Brest)

125 7Ed. 4/12/86 LAST NM 25/87 9/88
Delete Depth 5 fathoms "Rep (1952)" (ED) 3°57′N 6°34′E
(MCNM8058/88)

125 7Ed. 4/12/86 LAST NM 9/88 11/88
Relocate R Bn close SW to 9°31.0′N 13°41.0′W
(1(59)88 Taunton)

125 7Ed. 4/12/86 LAST NM 11/88 51/88
Delete R Bn (AERO) 3°43′N 8°47′E
(BA RA)

125 7Ed. 4/12/86 LAST NM 51/88 19/89
Delete Depth 290 fathoms 28°01′N 17°00′W
(MCNM8142/88)

125 7Ed. 4/12/86 LAST NM 19/89 23/89
Delete Depths
9 fathoms 34°04′N 8°00′W
10 fathoms "Rep (1960)" 33°53′N 8°20′W
14 fathoms 33°55′N 7°53′W
18 fathoms 33°48′N 7°49′W
(MCNM1058/89)

125 7Ed. 4/12/86 LAST NM 23/89 34/89
Delete R Bn 28°00′N 15°25′W
(BA RA)

125 7Ed. 4/12/86 LAST NM 34/89 51/89
Delete Depths
12 fathoms "Rep (1887)" 31°12′N 13°41′W
47 fathoms 31°05′N 13°39′W
70 fathoms 31°05′N 13°24′W
80 fathoms "Rep (1960)" 30°37′N 13°06′W
4 fathoms "Rep (1972)" 29°55′N 12°40′W
88 fathoms 29°54′N 12°50′W
24 fathoms (ED) 29°58′N 13°03′W

Substitute Depths 85 fathoms for 135 fathoms 29°59′N 12°42′W

Add Depths
125 fathoms 31°39′N 13°07′W
42 fathoms 31°10′N 13°37′W
(RS004188, 004196/74)

125 7Ed. 4/12/86 LAST NM 51/89 8/90
Delete R Bn 4°23′N 7°43′W
(44(3315)89 Taunton)

125 7Ed. 4/12/86 LAST NM 8/90 26/90
Delete R Bns 5°42′N 0°22′W
4°57′N 1°44′W
(MCNM1027/90)

125 7Ed. 4/12/86 LAST NM 26/90 51/90
Delete Depth 10 fathoms 5°29′N 0°36′E
(34(2403)90 Taunton)

125 7Ed. 4/12/86 LAST NM 51/90 51/91
Delete Depth 71 fathoms 37°25′N 30°26′W
(38(27)91 Brest)

125 7Ed. 4/12/86 LAST NM 51/91 26/92
Delete Depths
15 fathoms "Rep (1967)" 11°56′N 17°23′W
90 fathoms "Rep (1968)" 12°02′N 17°28′W
(16(43)92 Brest)

125 7Ed. 4/12/86 LAST NM 26/92 44/92
Delete R Bns 34°17′N 6°38′W
34°00′N 6°39′W
28°38′N 17°47′W
(BA RA)

125 7Ed. 4/12/86 LAST NM 44/92 36/93
Delete R Bn 0°22′N 6°42′E
(BA RA)

125 7Ed. 4/12/86 LAST NM 36/93 10/94
Delete Depth 67 fathoms (PD) 25°52′N 16°06′W
R Bn 21°00′N 17°04′W
(4(319)94 Taunton; BA RA)

125 7Ed. 4/12/86 LAST NM 10/94 29/95
Add Depth 321 fathoms 6°21′N 32°58′W
(14(56)95 Brest)

125 7Ed. 4/12/86 LAST NM 29/95 29/96
Substitute Depth
128 fathoms for 725 fathoms 6°19′N 22°37′W
416 fathoms for 875 fathoms 6°10′N 24°52′W
Add Depth 432 fathoms 6°00′N 24°57′W
(23(1907)96 Taunton)

125 7Ed. 4/12/86 LAST NM 29/96 12/98
Add Depth 14 fathoms 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

★**125** 7Ed. 4/12/86 LAST NM 12/98 18/00
Substitute Depth 64 fathoms "Rep (2000)" for
270 fathoms 34°31′N 30°36′W
(NTM0001/2000)

125 7Ed. 4/12/86 LAST NM 18/00 34/01
Delete R Bn 37°05′N 8°58′W
Note: R Bn close SE remains
(4(145)01 Lisboa; Por LL)

125 7Ed. 4/12/86 LAST NM 34/01 44/01
Delete R Bn 36°58′N 7°52′W
R Bn 37°11′N 7°25′W
(4(134)01 Lisboa)

125 7Ed. 4/12/86 LAST NM 44/01 21/03
Delete R Bn 36°12′N 6°02′W
(6(102)03 Cadiz)

125 7Ed. 4/12/86 LAST NM 21/03 46/04
Delete R Bn 36°00′N 5°36′W
(Spn LL)

125 7Ed. 4/12/86 LAST NM 46/04 8/06
Delete R Bn 33°02′N 16°22′W
R Bn 32°41′N 16°48′W
R Bn 28°10′N 15°27′W
R Bn 28°14′N 13°57′W
R Bn 28°59′N 13°35′W
R Bn 33°35′N 7°40′W
R Bn 33°37′N 7°34′W
(28(294)05 Cadiz)

125 7Ed. 4/12/86 LAST NM 8/06 20/06
Delete R Bn 35°47′N 5°56′W
(40(400)05 Cadiz)

★**126** 39Ed. 4/13/96 NEW EDITION 29/96
Delete Depth 57 fathoms 38°20′N 30°06′W
(Previously published 17/96)
(DMA)

126 39Ed. 4/13/96 LAST NM 29/96 12/98
Add Depth 14 fathoms 36°43′N 11°10′W
(14(142), 15(156)97 Lisboa)

126 39Ed. 4/13/96 LAST NM 12/98 5/99
Delete R Bn 50°00.0′N 6°19.0′W
55°40.0′N 6°30.0′W
58°31.0′N 6°15.0′W
59°54.0′N 1°17.0′W
51°26.0′N 9°49.0′W
51°36.0′N 8°32.0′W
55°16.0′N 8°14.0′W
54°17.0′N 10°05.0′W
52°34.0′N 9°56.0′W
(30/98 Trinity House; BA RA)

126 39Ed. 4/13/96 LAST NM 5/99 49/99
Substitute Depth 6½ fathoms for 3¾ fathoms 38°13′N 26°36′W
(1(52)98 Lisboa)

126 39Ed. 4/13/96 LAST NM 49/99 10/00
Delete R Bn at light 38°50′N 9°28′W
(21(298)99 Lisboa)

126 39Ed. 4/13/96 LAST NM 10/00 18/00
Substitute Depth 64 fathoms "Rep (2000)" for
270 fathoms 34°31′N 30°36′W
(NTM0001/2000)

126 39Ed. 4/13/96 LAST NM 18/00 48/00
Delete R Bn 48°28′N 5°08′W
R Bn 46°43′N 2°24′W
R Bn 45°42′N 1°14′W
R Bn 44°39′N 1°15′W
(3(13)00 Brest)

126 39Ed. 4/13/96 LAST NM 48/00 34/01
Delete R Bn 37°04′N 8°57′W
(4(145)01 Lisboa; Por LL)

126 39Ed. 4/13/96 LAST NM 34/01 44/01
Delete R Bn 41°12′N 8°37′W
R Bn 40°40′N 8°44′W
R Bn 40°14′N 8°53′W
R Bn 39°23′N 9°30′W
(4(134)01 Lisboa)

126 39Ed. 4/13/96 LAST NM 44/01 21/03
Delete R Bn 36°12′N 6°02′W
(6(102)03 Cadiz)

126 39Ed. 4/13/96 LAST NM 21/03 42/04
Delete Depth 48 fathoms "Rep (1988)" 54°00′N 13°10′W
(NTM0019/2004)

126 39Ed. 4/13/96 LAST NM 42/04 46/04
Delete R Bn 36°00′N 5°36′W
(Spn LL)

126 39Ed. 4/13/96 LAST NM 46/04 49/04
Delete R Bn 43°47′N 7°41′W
R Bn 43°10′N 9°13′W
R Bn 42°53′N 9°16′W
R Bn 42°06′N 8°53′W
(1(102)04 Lisboa; Spn LL)

126 39Ed. 4/13/96 LAST NM 49/04 8/06
Delete R Bn 33°37′N 7°34′W
(28(294)05 Cadiz)

126 39Ed. 4/13/96 LAST NM 8/06 20/06
Delete R Bn 43°25′N 2°45′W
R Bn 35°47′N 5°56′W
(40(400)05 Cadiz; Spn LL)

126 39Ed. 4/13/96 LAST NM 20/06 10/08
Add Depth 116 fathoms enclosed by depth contour (1000-fathom) 44°07′N 22°07′W
Depth 57 fathoms enclosed by depth contour (100-fathom) 38°19′N 30°06′W
(10(1157, 1158)03 Taunton)

126 39Ed. 4/13/96 LAST NM 10/08 40/08
Add Superbuoy ODAS [Q58] "M4" Y, Fl(5) Y 20s 55°00′N 10°00′W
Superbuoy ODAS [Q58] "M6" Y, Fl(5) Y 20s 53°04′N 15°56′W
(42(4778)06, 24(2717)07 Taunton)

★**145** 16Ed. 4/6/85 NEW EDITION 26/85
Add Depth 14 fathoms enclosed by depth contour (100-fathom) "Rep (1985)" (PA) 17°27′N 76°20′W
(Previously published 25/85)

Delete Legend "CONTINUED ON 620" 5°07.5′N 92°25.0′W

Depth 40 fathoms "Rep (1961)" and relocate depth contour close NE to enclose 33 fathoms 16°30′N 62°04′W

Add R Bn 11°48′N 66°07′W
(DMAHTC; HNNM7469/85; US RA)

145 16Ed. 4/6/85 LAST NM 26/85 31/85
Add Depth 8 ½ fathoms (ED) 15°20′N 80°15′W
(HNNM7507/85)

145 16Ed. 4/6/85 LAST NM 31/85 38/85
Add Depth 255 fathoms (PA) 22°44′N 107°34′W
(HNNM7565/85)

145 16Ed. 4/6/85 LAST NM 38/85 40/85
Substitute Superbuoy (LANBY), R Bn for lightship and relocate to 40°30′N 69°26′W
(35/85 CG1)

145 16Ed. 4/6/85 LAST NM 40/85 42/85
Delete R Bn 18°28.0′N 66°07.0′W
(37/85 CG7)

145 16Ed. 4/6/85 LAST NM 42/85 46/85
Delete Depth 33 fathoms and enclosing depth contour 16°34′N 61°54′W
(HNNM7601/85)

145 16Ed. 4/6/85 LAST NM 46/85 14/86
Add Depth 16 fathoms "Rep (1985)" enclosed by danger circle 15°59′N 81°01′W
Depth 83 fathoms "Rep (1985)" 15°41′N 61°29′W
(1(99), 2(177)86 Taunton)

145 16Ed. 4/6/85 LAST NM 14/86 9/88
Add Rock awash 22°00′N 76°09′W
(MCNM8057/88)

145 16Ed. 4/6/85 LAST NM 9/88 27/88
Add Depth 250 fathoms "Rep (1987)" (PA) 29°37′N 116°52′W
(MCNM8109/88)

145 16Ed. 4/6/85 LAST NM 27/88 32/88
Substitute Depth 207 fathoms for 234 fathoms 20°50′N 74°01′W
(MCNM8123/88)

145 16Ed. 4/6/85 LAST NM 32/88 36/88
Add Depth 8 fathoms enclosed by danger circle "Rep (1988)" 23°37′N 87°19′W
(26(57)88 Hamburg)

145 16Ed. 4/6/85 LAST NM 36/88 39/88
Add Depth 334 fathoms 16°03′N 108°39′W
(MCNM8144/88)

145 16Ed. 4/6/85 LAST NM 39/88 43/88
Substitute Depth 13 fathoms for 20 fathoms "Rep (1945)" 17°08′N 75°26′W
(MCNM8078/88)

145 16Ed. 4/6/85 LAST NM 43/88 48/88
Delete Depths
4 fathoms "Rep (1956)" 18°27′N 84°54′W
13 fathoms 18°32′N 83°25′W
27 fathoms 16°58′N 82°15′W
(MCNM8169/88)

145 16Ed. 4/6/85 LAST NM 48/88 50/88
Delete Depth 20 fathoms 16°45′N 61°41′W

Substitute Depth 10 fathoms for 8 fathoms 20°25′N 80°28′W
(MCNM8169/88)

145 16Ed. 4/6/85 LAST NM 50/88 5/89
Delete Depth 20 fathoms 14°35′N 81°50′W

Add Depths
7 fathoms "Rep (1988)" 11°51′N 83°09′W
13 fathoms "Rep (1988)" 14°36′N 81°51′W
(30(57)88 Hamburg; 41(3080)88 Taunton)

145 16Ed. 4/6/85 LAST NM 5/89 29/89
Add Depth 387 fathoms "Rep" 7°34′N 84°50′W
(MCNM1075/89)

145 16Ed. 4/6/85 LAST NM 29/89 38/89
Substitute Depth 8 ¾ fathoms enclosed by danger circle for 882 fathoms 21°50′N 76°19′W
(MCNM1102/89)

145 16Ed. 4/6/85 LAST NM 38/89 23/90
Delete Depth 280 fathoms 17°54′N 75°06′W

Add Depths
170 fathoms 17°51′N 75°07′W
92 fathoms 11°54′N 63°53′W
(25(58)89 Brest)

145 16Ed. 4/6/85 LAST NM 23/90 39/90
Add Depth 9 fathoms "Rep (1989)" enclosed by depth contour (10-fathom) 14°37′N 93°57′W
(30(2165)90 Taunton)

145 16Ed. 4/6/85 LAST NM 39/90 51/90
Delete Depth 12 fathoms 18°32′N 68°00′W
(MCNM1058/90)

145 16Ed. 4/6/85 LAST NM 51/90 28/91
Add Superbuoys, each ODAS Y, Fl(5) Y 20s
"44137" 41°11.6′N 61°07.8′W
"44142" 42°29.6′N 64°12.0′W
(MCNM1098/91)

145 16Ed. 4/6/85 LAST NM 28/91 22/92
Delete R Bns 35°09′N 75°18′W
33°29′N 77°35′W
(17/92 CG5; USCG LL)

145 16Ed. 4/6/85 LAST NM 22/92 1/93
Add R Bn 22°01′N 80°25′W
(BA RA)

145 16Ed. 4/6/85 LAST NM 1/93 15/93
Delete R Bn 48°23.5′N 124°44.2′W
(10/93 CG13)

145 16Ed. 4/6/85 LAST NM 15/93 24/93
Add Depth
111 fathoms 13°46′N 81°18′W
456 fathoms 13°28′N 81°00′W
(Col CH 004)

145 16Ed. 4/6/85 LAST NM 24/93 33/93
Delete R Bn 34°35′N 120°37′W
(29/93 CG11)

145 16Ed. 4/6/85 LAST NM 33/93 34/93
Add Depth 9 fathoms "Rep (1986)" (PA) 27°23′N 114°44′W
(MCC1269/93)

145 16Ed. 4/6/85 LAST NM 34/93 49/93
Delete R Bn 32°15′N 64°50′W
(40(3377)93 Taunton)

145 16Ed. 4/6/85 LAST NM 49/93 50/93
Delete R Bn 42°02′N 70°07′W
(44/93 CG1)

145 16Ed. 4/6/85 LAST NM 50/93 51/93
Add Depth 16 fathoms enclosed by depth contour (20-fathom) 17°47′N 75°52′W
(33(533)93 Hamburg)

145 16Ed. 4/6/85 LAST NM 51/93 18/94
Delete R Bn 37°42′N 123°00′W
(12/94 CG11)

145 16Ed. 4/6/85 LAST NM 18/94 45/94
Delete R Bn 42°50′N 124°34′W
(38/94 CG13)

145 16Ed. 4/6/85 LAST NM 45/94 47/94
Add Superbuoy ODAS "41018" Y, Fl(4) Y 20s 15°00′N 75°00′W
(35/94 CG7)

145 16Ed. 4/6/85 LAST NM 47/94 53/94
Delete R Bn 40°40′N 73°15′W
(23/94 CG1)

145 16Ed. 4/6/85 LAST NM 53/94 26/95
Delete R Bn 32°40′N 117°15′W
(20/95 CG11)

145 16Ed. 4/6/85 LAST NM 26/95 12/96
Delete R Bn 22°01′N 80°25′W
(5(103)95 Habana)

145 16Ed. 4/6/85 LAST NM 12/96 13/96
Delete Superbuoy ODAS "41018" 15°00′N 75°00′W
(8/96 CG7)

145 16Ed. 4/6/85 LAST NM 13/96 14/96
Delete R Bn 36°55′N 76°00′W
38°47′N 75°08′W
(8/96 CG5)

145 16Ed. 4/6/85 LAST NM 14/96 37/96
Substitute Depth 6 fathoms "Rep (1994)" for 18 fathoms 34°03′N 76°47′W
(SMEA039/96)

145 16Ed. 4/6/85 LAST NM 37/96 42/96
Delete R Bn 12°13′N 69°00′W
46°02′N 59°45′W
(8(430)96 Ottawa; BA RA)

145 16Ed. 4/6/85 LAST NM 42/96 28/97
Delete R Bn 28°30′N 80°31′W
(GIMM002/97)

145 16Ed. 4/6/85 LAST NM 28/97 37/97
Delete Superbuoy LANBY 40°30′N 69°26′W
(31/97 CG1)

145 16Ed. 4/6/85 LAST NM 37/97 11/00
Delete R Bn 43°58′N 60°08′W
(6(1137)99 Ottawa)

145 16Ed. 4/6/85 LAST NM 11/00 16/00
Relocate Superbuoy ODAS "44142" from 42°30′N 64°12′W to 42°30′N 64°01′W
(6(1126)99 Ottawa)

145 16Ed. 4/6/85 LAST NM 16/00 23/00
Substitute Depth 300 fathoms for 320 fathoms 30°30′N 122°44′W
(NTM0013/2000)

145 16Ed. 4/6/85 LAST NM 23/00 38/01
Add Superbuoy ODAS [Q58] "41002" Y, Fl(4) Y 20s 32°16′N 75°26′W
Superbuoy ODAS [Q58] "44004" Y, Fl(4) Y 20s 38°30′N 70°28′W
(29/01 CG7; NTM0020/2001)

145 16Ed. 4/6/85 LAST NM 38/01 39/03
Delete Depth 6 fathoms, danger circle and legend "(Rep 1994)" 34°03′N 76°47′W
(NOS)

145 16Ed. 4/6/85 LAST NM 39/03 27/04
Delete Depth 4½ fathoms, enclosing dotted-line circle and legend "Rep (1972)" 16°58′N 83°18′W

Add Depth 14 fathoms enclosed by depth contour (20-fathom) 16°54′N 83°20′W
(NTM0012/2004)

145 16Ed. 4/6/85 LAST NM 27/04 26/05
Add Depth 610 fathoms "Rep (2005)" 27°26′N 76°35′W
(NTM0024/2005)

145 16Ed. 4/6/85 LAST NM 26/05 48/05
Add Depth 9½ fathoms "Rep (2005)" 21°55′N 91°49′W
(NTM0004/2005)

145 16Ed. 4/6/85 LAST NM 48/05 18/06
Add Depth 34 fathoms 32°39′N 117°58′W
Depth 49 fathoms 32°05′N 118°10′W
(NTM0023/2006)

145 16Ed. 4/6/85 LAST NM 18/06 28/06
Add Depth 208 fathoms 23°07′N 79°16′W
(NTM0007/2005)

145 16Ed. 4/6/85 LAST NM 28/06 30/06
Add Depth 288 fathoms "Rep (2005)" 31°22′N 118°37′W
(NTM0019/2005)

145 16Ed. 4/6/85 LAST NM 30/06 50/06
Delete Depth 15 fathoms 16°24′N 81°20′W

Add Depth 4 fathoms Obstn [K41] "Rep (2006)" 16°26′N 81°20′W
(43(4946)06 Taunton)

145 16Ed. 4/6/85 LAST NM 50/06 1/07
Add Legend "Tide Rips" and symbol [H44] 11°08′N 93°00′W

Legend "Seamounts, lesser depths to 174fms rep" 12°25′N 91°45′W
(US CH 21026; NTM0042/2006)

145 16Ed. 4/6/85 LAST NM 1/07 4/07
Delete Depth 140 fathoms "(rep 1957)" 5°30′N 88°33′W

Depth 212 fathoms and enclosing depth contour (1000-fathom) 25°37′N 119°29′W

Add Depth 123 fathoms 5°29′N 88°34′W
Depth 213 fathoms 25°20′N 119°31′W
Depth 393 fathoms 25°42′N 119°38′W
(NTM0042/2006)

145 16Ed. 4/6/85 LAST NM 4/07 8/07
Add Superbuoy ODAS [Q58] "46419" Y, Fl(4) Y 20s 48°29′N 129°22′W
(34/06 CG13)

145 16Ed. 4/6/85 LAST NM 8/07 19/07
Add Superbuoy ODAS [Q58] "46411" Y, Fl(4) Y 20s 39°20′N 127°00′W
Superbuoy ODAS [Q58] "46412" Y, Fl(4) Y 20s 32°15′N 120°42′W
(12/07 CG11)

145 16Ed. 4/6/85 LAST NM 19/07 34/07
Add Superbuoy ODAS [Q58] "46013" Y, Fl(4) Y 20s 38°14′N 123°19′W
Superbuoy ODAS [Q58] "46015" Y, Fl(4) Y 20s 42°45′N 124°50′W
(26/07 CG11; 23/07 CG13)

145 16Ed. 4/6/85 LAST NM 34/07 36/07
Add Superbuoy ODAS [Q58] "46053" Y, Fl(4) Y 20s 34°14′N 119°51′W
(9/07 CG11)

145 16Ed. 4/6/85 LAST NM 36/07 45/07
Substitute Depth 130 fathoms for 123 fathoms 5°29′N 88°34′W
(See 4/07-145)
(NTM0026/2007)

145 16Ed. 4/6/85 LAST NM 36/07 47/07
Substitute Depth 286 fathoms for 774 fathoms 6°29′N 81°53′W

Add Depth 371 fathoms 8°19′N 85°01′W
(NTM0026/2007)

145 16Ed. 4/6/85 LAST NM 47/07 34/08
Add Depth 73 fathoms 10°33′N 109°35′W
(NTM0004/2007)

145 16Ed. 4/6/85 LAST NM 34/08 8/09
Delete Radiobeacon 43°22′N 66°01′W
(11(4000)08 Ottawa)

145 16Ed. 4/6/85 LAST NM 8/09 23/09
Delete Superbuoy ODAS "46419" 48°29′N 129°22′W

Add Superbuoy ODAS [Q58] "46419" RW, Fl(4) Y 20s 48°48′N 129°36′W
(NOS)

145 16Ed. 4/6/85 LAST NM 23/09 29/09
Add Superbuoy ODAS [Q58] "42060" Y, Fl(4) Y 20s 16°30′N 63°30′W
(NTM0025/2009)

★200 (INT 200) 3Ed. 5/25/96 NEW EDITION 33/96
Add Depth 80 meters 40°07′S 56°16′W
(Previously published 23/96)

Add Wreck 45°18.5′S 60°02.0′W
(Previously published 26/96)

Relocate Light close E to 55°58′S 67°14′W
(DMA; SMEA006/96)

200 (INT 200) 3Ed. 5/25/96 LAST NM 33/96 45/97
Delete R Bn (AERO) 51°40′S 58°57′W
(BA RA)

200 (INT 200) 3Ed. 5/25/96 LAST NM 45/97 46/97
Delete Depth
574 meters 54°49′S 59°05′W
535 meters 54°56′S 57°44′W

Add Depth
430 meters 54°48′S 58°57′W
430 meters 55°00′S 57°42′W
261 meters 55°05′S 57°28′W
388 meters 54°05′S 52°14′W
(30(2705)97 Taunton)

200 (INT 200) 3Ed. 5/25/96 LAST NM 46/97 2/98
Add Depth
231 meters 53°56′S 52°29′W
614 meters 54°03′S 51°34′W
(47(4223)97 Taunton)

200 (INT 200) 3Ed. 5/25/96 LAST NM 2/98 32/98
Delete Position circle "OMEGA...Nuevo" 43°03′S 65°11′W
(13(125)98 Buenos Aires)

200 (INT 200) 3Ed. 5/25/96 LAST NM 32/98 37/03
Add Wreck [K29] 44°19′S 60°22′W
Wreck [K29] 46°39′S 60°41′W
(12(130)99 Buenos Aires)

200 (INT 200) 3Ed. 5/25/96 LAST NM 37/03 35/05
Add Buoy Y, pillar, Fl(5) Y 20s 43°48.6′S 59°40.5′W
(NTM0020/2005)

200 (INT 200) 3Ed. 5/25/96 LAST NM 35/05 48/06
Add Danger circle "Obstn" [K40] 53°14′S 62°46′W
Wreck [K29] 46°25′S 66°45′W
(11(126), 18(212)06 Buenos Aires)

200 (INT 200) 3Ed. 5/25/96 LAST NM 48/06 2/07
Delete Buoy 43°49′S 59°41′W

Add Superbuoy "ODAS" [Q58] Fl(5) Y 20s 43°50′S 59°40′W
(18(224)05 Buenos Aires)

200 (INT 200) 3Ed. 5/25/96 LAST NM 2/07 4/07
Add Wreck [K29] (PA) 47°50′S 65°20′W
(10(107)05 Buenos Aires)

200 (INT 200) 3Ed. 5/25/96 LAST NM 4/07 7/07
Add Wreck [K29] 53°30′S 67°51′W
(7(66)05 Buenos Aires)

200 (INT 200) 3Ed. 5/25/96 LAST NM 7/07 9/07
Add Wreck [K29] (PA) 45°51′S 66°55′W
(18(215)03 Buenos Aires)

200 (INT 200) 3Ed. 5/25/96 LAST NM 9/07 12/07
Add Danger circle "Obstn" [K40] 54°41′S 62°59′W
(8(91)06 Buenos Aires)

200 (INT 200) 3Ed. 5/25/96 LAST NM 12/07 13/07
Add Area "#162" (Red Dot Point), predicted depth 812 meters, enclosed by purple dashed-line circle, radius 5 miles, centered 53°29′S 50°00′W

Note to lower right margin of chart
"NOTE
Areas enclosed by purple dashed line have been identified as potential hazards to navigation. They are designated as "Red Dot Area/Point #" areas with an associated predicted depth (+/- 250 meters), This predicted depth is derived from remote-sensed gravity data and could fall anywhere within the area. Mariners are advised to navigate with extreme caution within these areas."
(NTM0009/2007)

200 (INT 200) 3Ed. 5/25/96 LAST NM 13/07 40/07
Substitute Depth 1025 meters for 1548 meters 53°08′S 49°54′W
(NTM0011/2007)

200 (INT 200) 3Ed. 5/25/96 LAST NM 40/07 8/08
Delete R Bn at light 52°24′S 68°26′W
(6(57)06 Valparaiso)

200 (INT 200) 3Ed. 5/25/96 LAST NM 8/08 4/09
Delete Light 37°45′S 57°27′W
R Bn at light 38°06′S 57°32′W
(7(84), 9(113)08 Buenos Aires; BA LL)

★201 (INT 201) 2Ed. 8/22/81 NEW EDITION 44/81
(DMAHTC)

201 (INT 201) 2Ed. 8/22/81 LAST NM 44/81 40/82
Delete R Bn (AERO) 27°39.8′S 48°32.1′W

Add R Bn (AERO) 27°41.7′S 48°30.0′W
(8(65)82 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 40/82 31/83
Add Depth 27 meters 20°31.6′S 38°06.6′W
(NVS6978/83)

201 (INT 201) 2Ed. 8/22/81 LAST NM 31/83 37/83
Add Depth 598 meters 30°40′S 35°27′W
(29(1876)83 Taunton)

201 (INT 201) 2Ed. 8/22/81 LAST NM 37/83 8/85
Delete Depth 598 meters 30°40′S 35°27′W

Add Depth 380 meters 30°47′S 35°18′W
(2(159)85 Taunton)

201 (INT 201) 2Ed. 8/22/81 LAST NM 8/85 17/85
Add Depth 118 meters Wellhead 25°14.5′S 45°15.9′W
(11(130)84 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 17/85 42/85
Add R Bn with light flare symbol 20°30′S 29°20′W
(35(2351)85 Taunton)

201 (INT 201) 2Ed. 8/22/81 LAST NM 42/85 46/85
Add Depths
25 meters 22°31.9′S 41°16.0′W
51 meters 20°05.0′S 38°06.0′W
(36(2404)85 Taunton)

201 (INT 201) 2Ed. 8/22/81 LAST NM 46/85 7/86
Change Caution note to
"Oil platforms and submarine pipelines exist in this area. Navigation and fishing are prohibited in this area, except to vessels serving the oil operations." 28°30.0′S 55°25.0′W
(18(206)85 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 7/86 28/87
Add Depth 153 meters "Rep (1987)" 27°17′S 39°03′W
(8(650)87 Taunton)

201 (INT 201) 2Ed. 8/22/81 LAST NM 28/87 25/88
Delete Depth 12.3 meters "Rep (1966)" (PA) 21°24.8′S 40°12.0′W
(6(E102)88 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 25/88 20/89
Add Depth 104 meters enclosed by danger circle "Rep (1988)" (PA) 20°43′S 32°15′W
(20(E310)88 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 20/89 40/89
Delete R Bn (AERO) 22°47′S 43°10′W
(10(G152)89 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 40/89 6/90
Add Depth 27 meters (ED) enclosed by depth contour (50 meters) 27°00′S 47°24′W
(13(S200)89 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 6/90 18/90
Substitute Depth 259 meters for 312 meters 22°09′S 39°58′W
(16(E240)89 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 18/90 38/93
Add Wreck 20°06′S 39°55′W
(9(68)93 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 38/93 20/94
Add Light symbol 23°47′S 45°14′W
(23(208)93 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 20/94 30/94
Substitute Depth 2.4 meters enclosed by danger circle for 240 meters 20°03.5′S 37°07.5′W
(9(83)94 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 30/94 43/94
Substitute Depth 2400 meters for 2.4 meters and enclosing danger circle 20°03.5′S 37°07.5′W
(Cancels 30/94-201)
(9(83)94 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 43/94 50/95
Add Light symbol 22°56′S 42°30′W
(17(187)95 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 50/95 8/96
Add Light symbol 31°53′S 51°46′W
(11(132)95 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 8/96 17/96
Add Light float 26°47′S 46°48′W
(7(76)95 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 17/96 48/97
Delete R Bn (AERO) 34°51′S 55°07′W
(BA LL)

201 (INT 201) 2Ed. 8/22/81 LAST NM 48/97 22/00
Add Light symbol 19°06′S 39°43′W
(4(14P)00 Rio de Janeiro)

201 (INT 201) 2Ed. 8/22/81 LAST NM 22/00 11/06
Add Depth 598 meters 30°40′S 35°27′W
Depth 549 meters 33°35′S 31°12′W
Depth 996 meters 33°40′S 30°56′W
(NTM0014/2006)

201 (INT 201) 2Ed. 8/22/81 LAST NM 11/06 18/08
Add Depth 75 meters "Rep (2007)" [I3.2] 23°38′S 41°57′W
Depth 1181 meters "Rep (2007)" [I3.2] 26°15′S 39°55′W
(NTM0012/2008)

201 (INT 201) 2Ed. 8/22/81 LAST NM 18/08 19/08
Add Depth 492 meters "Rep (2007)" 32°02′S 32°47′W

"Depths to 70m rep (2007)" area bound by dashed line joining 29°41′S 36°25′W
30°18′S 35°31′W
30°35′S 33°47′W
31°32′S 34°27′W
31°22′S 35°36′W
30°49′S 36°54′W
30°08′S 36°54′W
(NTM0009/2007)

201 (INT 201) 2Ed. 8/22/81 LAST NM 19/08 4/09
Delete Light 37°46′S 57°27′W
R Bn at light 38°06′S 57°32′W
(7(84), 9(113)08 Buenos Aires; BA LL)

★**202** (INT 202) 2Ed. 3/1/80 NEW EDITION 18/80
(DMAHTC)

202 (INT 202) 2Ed. 3/1/80 LAST NM 18/80 6/81
Add Light symbol 19°50′12″S 40°03′33″W
(19(187)80 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 6/81 24/81
Delete Depth 9 meters 4°00′S 36°05′W

Add Depth 9 meters "Rep (1980)" (PA) 3°58′S 35°48′W
(NVS6403, 6404/81)

202 (INT 202) 2Ed. 3/1/80 LAST NM 24/81 27/82
Delete Depth 7 meters (ED) 11°52′S 37°23′W
(Brz CH 1000)

202 (INT 202) 2Ed. 3/1/80 LAST NM 27/82 32/82
Substitute Depth 23 meters for 27 meters 17°52′S 35°56′W
(22(222)81 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 32/82 45/82
Delete Danger circles "ED" 17°10′S 35°42′W
17°35′S 35°15′W
(12(114)82 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 45/82 31/83
Add Depths
48 meters 3°26.1′S 35°02.8′W
27 meters 20°31.6′S 38°06.6′W
(NVS6978/83)

202 (INT 202) 2Ed. 3/1/80 LAST NM 31/83 43/83
Relocate R Bn (AERO) close N to 8°02′S 34°57′W
(14(119)83 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 43/83 23/84
Delete Depth 256 meters 8°23′S 16°55′W

Add Depth 256 meters 8°28.8′S 17°04.6′W
(NVS7266/84)

202 (INT 202) 2Ed. 3/1/80 LAST NM 23/84 28/85
Add Legend "(ED)" to depth 12 meters 17°04′59″S 36°59′00″W
(2(33)85 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 28/85 42/85
Add R Bn with light flare symbol 20°30′S 29°20′W
(35(2351)85 Taunton)

202 (INT 202) 2Ed. 3/1/80 LAST NM 42/85 44/85
Add Chartlet, depicting changes in
hydrography and topography,
from back of Section I 4°00′S 35°00′W
(DMAHTC)

202 (INT 202) 2Ed. 3/1/80 LAST NM 44/85 46/85
Add Depths
25 meters 22°31.9′S 41°16.0′W
51 meters 20°05.0′S 38°06.0′W
(36(2404)85 Taunton)

202 (INT 202) 2Ed. 3/1/80 LAST NM 46/85 6/86
Delete Depth 54 meters 3°11.0′S 38°17.0′W

Substitute Depth 878 meters for
depth 378 meters 8°18.0′S 34°12.0′W
(23(259)85 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 6/86 7/86
Change Caution note to
"Oil platforms and submarine pipelines
exist in this area. Navigation and
fishing are prohibited in this area,
except to vessels serving the oil
operations." 8°50′S 42°30′W
(18(206)85 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 7/86 44/86
Add Submarine cable
joining 8°09.5′S 34°54.0′W
8°12.8′S 34°48.5′W
8°09.0′S 34°24.0′W
8°06.3′S 34°05.3′W
7°24.0′S 33°25.0′W
6°09.0′S 32°21.0′W
4°00.0′S 30°55.5′W
3°00.0′S 30°26.0′W

joining 8°08.3′S 34°54.2′W
8°11.6′S 34°18.5′W
8°08.0′S 33°54.0′W
7°47.5′S 33°03.4′W
5°23.0′S 31°20.6′W
4°27.4′S 30°33.9′W
3°00.0′S 29°30.0′W
(17(E253)86 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 44/86 1/87
Add Depth 110 meters enclosed by depth
contour (200-meter) "Rep (1986)" 4°44.5′S 35°10.4′W
(18(N277)86 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 1/87 25/88
Delete Depth 12.3 meters "Rep (1966)" (PA) 21°24.8′S 40°14.0′W
(6(E102)88 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 25/88 36/88
Add Depth 159 meters 3°29.2′S 37°29.5′W
(See 44/85-202)
(MCNM8136/88)

202 (INT 202) 2Ed. 3/1/80 LAST NM 36/88 38/88
Add Depth 22 meters enclosed by
danger circle (PA) 4°53′S 35°01′W
(12(N183)88 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 38/88 20/89
Add Depth 104 meters enclosed by
danger circle "Rep (1988)" (PA) 20°43′S 32°15′W
(20(E310)88 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 20/89 40/89
Delete R Bns (AERO) 5°11′S 37°21′W
8°02′S 34°57′W
22°47′S 43°10′W
(10(G152)89 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 40/89 6/90
Substitute Depth 80 meters for
110 meters "Rep (1986)" 4°45′S 35°11′W

Add Depth 17 meters enclosed by
danger circle "Rep (1989)" 4°42′S 35°31′W
(See 44/85-202)
(13(N192, N193)89 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 6/90 18/90
Substitute Depth 259 meters for 312 meters 22°09′S 39°58′W
(16(E240)89 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 18/90 31/90
Add Depth 7 meters 17°10′S 37°01′W
(15(1181)90 Taunton)

202 (INT 202) 2Ed. 3/1/80 LAST NM 31/90 23/92
Add Light symbol 15°21′S 39°00′W
(7(52)92 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 23/92 38/93
Add Wreck 20°06′S 39°55′W
Light symbol 12°14′S 37°46′W
(9(68), 12(87)93 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 38/93 20/94
Add Light symbol 17°54′S 39°22′W
(21(187)93 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 20/94 30/94
Substitute Depth 2.4 meters enclosed by
danger circle for 240 meters 20°03.5′S 37°07.5′W
(9(83)94 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 30/94 43/94
Substitute Depth 2400 meters for 2.4 meters
and enclosing danger circle 20°03.5′S 37°07.5′W
(Cancels 30/94-202)
(9(83)94 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 43/94 47/94
Add Light symbol 11°58′S 37°36′W
(13(131P)94 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 47/94 50/95
Add Light symbol 22°56′S 42°30′W
(17(187)95 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 50/95 1/96
Add Light symbol 6°03′S 35°07′W
(20(217P)95 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 1/96 31/96
Add Light symbol 3°24′S 39°01′W
(11(103P)96 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 31/96 9/98
Delete Depth
25 meters 22°32′S 41°16′W
91 meters 23°11′S 41°12′W
60 meters 20°28′S 39°56′W
36 meters 20°21′S 37°39′W

Wreck 20°06′S 39°55′W
Danger circle "Rep (1920)" 14°39′S 35°57′W
R Bn and light flare symbol 20°30′S 29°20′W

Add Depth
25 meters Wk 22°35′S 40°52′W
96 meters Obstn 23°14′S 41°10′W
38 meters (ED) 20°24′S 39°52′W
14 meters (ED) 16°00′S 37°52′W
23 meters 15°56′S 38°02′W
7 meters 11°51′S 37°22′W

Wreck 20°31′S 40°04′W
7°11′S 34°15′W
(Brz CH 20; Brz LL; BA RA)

202 (INT 202) 2Ed. 3/1/80 LAST NM 9/98 11/98
Delete R Bn (AERO) 11°00′S 37°04′W
(GIMM002/98)

202 (INT 202) 2Ed. 3/1/80 LAST NM 11/98 9/00
Delete Depth 13 meters 17°00′S 37°26′W

Depth 12 meters and enclosing
dotted line circle in vicinity 17°03′S 36°59′W
(24(188)99 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 9/00 22/00
Add Light symbol 19°06′S 39°43′W
(4(14P)00 Rio de Janeiro)

202 (INT 202) 2Ed. 3/1/80 LAST NM 22/00 18/08
Add Depth 75 meters "Rep (2007)" [I3.2] 23°38′S 41°57′W
(NTM0012/2008)

★**203** (INT 203) 2Ed. 8/18/84 NEW EDITION 43/84
(DMAHTC)

203 (INT 203) 2Ed. 8/18/84 LAST NM 43/84 47/84
Add R Bn (AERO) (PA) 15°56′S 5°43′W
(30(1968)84 Taunton)

203 (INT 203) 2Ed. 8/18/84 LAST NM 47/84 9/85
Delete Depth 124 meters 15°41.0′S 6°58.0′W

Add Depth 105 meters 15°38.5′S 6°57.5′W
(2(129)85 Taunton)

203 (INT 203) 2Ed. 8/18/84 LAST NM 9/85 52/85
Change Legends to
"CONTINUED ON INT 209" 9°00.0′S 17°10.0′W
"CONTINUED ON INT 209" 6°15.0′S 1°00.0′E
(HNNM7637/85)

203 (INT 203) 2Ed. 8/18/84 LAST NM 52/85 28/87
Add Depth 152 meters 14°23.23′S 12°06.65′E
(20(1506)87 Taunton)

203 (INT 203) 2Ed. 8/18/84 LAST NM 28/87 11/88
Delete Depth 152 meters 14°23.23′S 12°06.65′E
(Supersedes 28/87-203)
(51(3862)87 Taunton)

203 (INT 203) 2Ed. 8/18/84 LAST NM 11/88 51/88
Delete R Bn (AERO) 5°54′S 12°19′E
(BA RA)

203 (INT 203) 2Ed. 8/18/84 LAST NM 51/88 33/89
Add Depth 213 meters 9°44.8′S 12°05.3′W
(25(1880)89 Taunton)

203 (INT 203) 2Ed. 8/18/84 LAST NM 33/89 18/91
Delete Depth 3453 meters 9°37′S 0°33′W

Add Depths
701 meters 6°28′S 1°12′E
661 meters 9°30′S 0°28′W
(7(499)91 Taunton)

203 (INT 203) 2Ed. 8/18/84 LAST NM 18/91 4/92
Add Depth 576 meters 19°26′S 10°07′E
(34(2452)91 Taunton)

203 (INT 203) 2Ed. 8/18/84 LAST NM 4/92 44/92
Delete R Bn (AERO) 12°22′S 13°32′E
(BA RA)

203 (INT 203) 2Ed. 8/18/84 LAST NM 44/92 6/98
Add Wreck 22°03′S 12°48′E
(10(111)97 Cape Town)

203 (INT 203) 2Ed. 8/18/84 LAST NM 6/98 45/99
Delete R Bn at light 22°54′S 14°26′E
(5(53)99 Cape Town)

203 (INT 203) 2Ed. 8/18/84 LAST NM 45/99 34/01
Delete Light 19°23′S 12°43′E
Light 20°02′S 13°03′E
Light 21°46′S 13°57′E
(2(34)01 Cape Town)

203 (INT 203) 2Ed. 8/18/84 LAST NM 34/01 17/07
Add Wreck [K29] (PA) 25°19′S 13°39′E
(12(116)06 Cape Town)

203 (INT 203) 2Ed. 8/18/84 LAST NM 17/07 6/09
Add Depth 398 meters 21°29′S 12°39′E
(12(112)08 Cape Town)

★**204** (INT 204) 4Ed. 1/27/96 NEW EDITION 10/96
(DMA)

204 (INT 204) 4Ed. 1/27/96 LAST NM 10/96 47/96
Delete Legend "AERO" 31°33′S 29°08′E
(7(75)96 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 47/96 49/96
Add Depth 219 meters 35°52′S 22°48′E
(8(86)96 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 49/96 7/98
Delete Depth 73 meters 30°55′S 15°05′E
(39(3484)97 Taunton)

204 (INT 204) 4Ed. 1/27/96 LAST NM 7/98 44/98
Substitute Depth 7 meters for 11 meters 31°41.0′S 8°22.0′E
(6(462)98 Taunton)

204 (INT 204) 4Ed. 1/27/96 LAST NM 44/98 3/99
Add Wreck 30°00′S 31°53′E
(9(110)98 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 3/99 45/99
Delete R Bn at light 22°54′S 14°26′E
(5(53)99 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 45/99 52/99
Delete Depth 49 meters 33°53′S 26°47′E
(5(58)99 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 52/99 21/00
Delete Depth 192 meters 28°40′S 32°39′E
(1(25)00 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 21/00 34/00
Delete R Bn at light 26°38′S 15°06′E
R Bn at light 29°15′S 16°52′E
R Bn at light 31°49′S 18°14′E
R Bn at light 32°50′S 17°53′E
R Bn at light 33°26′S 18°06′E
R Bn at light 33°49′S 18°22′E
R Bn at light 34°21′S 18°29′E
R Bn at light 34°50′S 20°01′E
R Bn at light 34°28′S 20°51′E
R Bn at light 34°11′S 22°09′E
R Bn at light 34°13′S 24°50′E
R Bn at light 27°33′S 32°41′E
R Bn at light 28°31′S 32°24′E
R Bn at light 28°46′S 32°08′E
R Bn at light 33°31′S 27°06′E
R Bn at light 32°14′S 28°55′E
R Bn at light 30°45′S 30°28′E
R Bn at light 29°56′S 31°00′E
R Bn at light 34°01′S 25°42′E
R Bn at light 33°02′S 27°54′E
(3(36), 4(50)00 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 34/00 4/04
Delete Depth 95 meters and enclosing danger circle centered 33°15′S 16°36′E
(11-12(75)03 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 4/04 7/07
Add Wreck [K29] (PA) 33°04′S 17°07′E
(8(86)06 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 7/07 17/07
Add Wreck [K29] (PA) 25°19′S 13°39′E
(12(116)06 Cape Town)

204 (INT 204) 4Ed. 1/27/96 LAST NM 17/07 18/07
Delete Depth 146 meters, blue tint and enclosing danger circle centered 29°29′S 31°57′E
(4(59)06 Cape Town)

★**211** 5Ed. 1/13/96 NEW EDITION 19/96
(DMA)

211 5Ed. 1/13/96 LAST NM 19/96 23/96
Add Depth 43 fathoms 40°07′S 56°16′W
(5(63)96 Buenos Aires)

211 5Ed. 1/13/96 LAST NM 23/96 22/97
Add Depth 117 fathoms 57°38′S 27°00′W
(8(758)97 Taunton)

211 5Ed. 1/13/96 LAST NM 22/97 46/97
Substitute Depth
235 fathoms for 314 fathoms 54°48′S 58°57′W
196 fathoms for 231 fathoms 55°57′S 27°42′W

Add Depth
235 fathoms 55°00′S 57°42′W
142 fathoms 55°05′S 57°28′W
212 fathoms 54°05′S 52°14′W
(30(2705)97 Taunton)

211 5Ed. 1/13/96 LAST NM 46/97 2/98
Add Depth
126 fathoms 53°56′S 52°29′W
335 fathoms 54°03′S 51°34′W
(47(4223)97 Taunton)

211 5Ed. 1/13/96 LAST NM 2/98 35/98
Add Depth 678 fathoms "Rep (1997)" 53°01′S 19°21′E
(36(5401)98 St. Petersburg)

211 5Ed. 1/13/96 LAST NM 35/98 40/98
Delete Legend "PD" from depth 52 fathoms 33°12′S 16°37′E
(6(66)98 Cape Town)

211 5Ed. 1/13/96 LAST NM 40/98 44/98
Add Depth
53 fathoms 54°22.0′S 2°58.0′E
398 fathoms 47°23.0′S 12°57.0′W
298 fathoms 47°04.0′S 8°30.0′W
479 fathoms 54°28.0′S 4°57.0′W
425 fathoms 52°47.0′S 3°00.0′W
319 fathoms 51°38.0′S 1°10.0′E
272 fathoms 54°25.0′S 4°40.0′E
310 fathoms 50°03.0′S 4°57.0′E
253 fathoms 54°08.0′S 5°53.0′E
408 fathoms 53°46.0′S 6°32.0′E
416 fathoms 53°15.0′S 0°59.0′E
587 fathoms 35°00.0′S 0°35.0′E
(18(1540)98 Taunton)

211 5Ed. 1/13/96 LAST NM 44/98 47/01
Add Depth 582 meters 43°57′S 1°40′W
Depth 714 meters 46°36′S 7°17′W
Depth 636 meters 47°17′S 9°02′W
(22(1992)99 Taunton)

211 5Ed. 1/13/96 LAST NM 47/01 48/01
Substitute Depth 61 fathoms for 130 fathoms 52°39′S 60°23′W
(34(3196)99 Taunton)

211 5Ed. 1/13/96 LAST NM 48/01 4/04
Delete Depth 52 fathoms and enclosing depth contour (100-fathom) centered 33°05′S 16°39′E
(11-12(75)03 Cape Town)

211 5Ed. 1/13/96 LAST NM 4/04 35/05
Add Buoy Y, pillar, Fl(5) Y 20s 43°49′S 59°40′W
(NTM0020/2005)

211 5Ed. 1/13/96 LAST NM 35/05 31/06
Substitute Depth 119 fathoms for 258 fathoms 59°43′S 68°52′W

Add Depth 670 fathoms 60°00′S 69°07′W
Depth 1022 fathoms 59°37′S 66°57′W
Depth 1003 fathoms 60°02′S 64°45′W
Depth 686 fathoms 59°43′S 63°53′W
Depth 1537 fathoms 60°28′S 62°12′W
Depth 946 fathoms 60°36′S 64°58′W
Depth 571 fathoms 60°36′S 66°00′W
Depth 888 fathoms 61°39′S 65°31′W
Depth 1096 fathoms 61°05′S 65°04′W
Depth 252 fathoms 61°57′S 61°00′W
Depth 176 fathoms 61°56′S 60°16′W
(NTM0014/2006)

211 5Ed. 1/13/96 LAST NM 31/06 48/06
Add Danger circle "Obstn" [K40] 53°14′S 62°46′W
Wreck [K29] 46°25′S 66°45′W
(11(126), 18(212)06 Buenos Aires)

211 5Ed. 1/13/96 LAST NM 48/06 2/07
Change Buoy to Superbuoy "ODAS" [Q58] Fl(5) Y 20s 43°50′S 59°40′W
(18(224)05 Buenos Aires)

211 5Ed. 1/13/96 LAST NM 2/07 4/07
Add Wreck [K29] (PA) 47°50′S 65°20′W
(10(107)05 Buenos Aires)

211 5Ed. 1/13/96 LAST NM 4/07 7/07
Add Wreck [K29] (PA) 33°04′S 17°07′E
(8(86)06 Cape Town)

211 5Ed. 1/13/96 LAST NM 7/07 13/07
Delete Depth 12 fathoms 33°50′S 3°10′W

Substitute Depth 695 fathoms for 1687 fathoms 34°42′S 1°05′W
Depth 423 fathoms for 485 fathoms 33°50′S 3°35′W

Add Depth 420 fathoms 33°04′S 2°43′W
Depth 885 fathoms 33°33′S 0°52′W
Depth 502 fathoms 34°32′S 3°47′W
Depth 857 fathoms 32°58′S 5°08′W
Depth 594 fathoms 34°40′S 4°28′W
(NTM0014/2006)

211 5Ed. 1/13/96 LAST NM 13/07 25/07
Add Depth 803 fathoms enclosed by dashed-line circle 39°20′S 13°10′W
Depth 869 fathoms enclosed by dashed-line circle 38°53′S 15°30′W
Depth 738 fathoms enclosed by dashed-line circle 35°07′S 15°21′W
Depth 847 fathoms enclosed by dashed-line circle 37°16′S 17°24′W
Depth 951 fathoms enclosed by dashed-line circle 38°27′S 16°00′W
Depth 957 fathoms enclosed by dashed-line circle 36°27′S 16°56′W
Depth 920 fathoms enclosed by dashed-line circle 37°52′S 17°12′W
(NTM0011/2007)

211 5Ed. 1/13/96 LAST NM 25/07 26/07
Add Depth 835 fathoms enclosed by dashed-line circle 32°10′S 13°00′W
Depth 731 fathoms enclosed by dashed-line circle 32°30′S 14°06′W
Depth 695 fathoms enclosed by dashed-line circle 33°42′S 14°19′W
Depth 475 fathoms enclosed by dashed-line circle 34°38′S 15°18′W
(NTM0011/2007)

211 5Ed. 1/13/96 LAST NM 26/07 40/07
Substitute Depth 60 fathoms enclosed by dotted-line circle for 954 fathoms 53°20′S 44°47′W

Add Depth 883 fathoms 53°12′S 48°16′W
Depth 1029 fathoms 55°38′S 43°11′W
Depth 560 fathoms 53°10′S 49°58′W
(NTM0011/2007)

211 5Ed. 1/13/96 LAST NM 40/07 41/07
Delete Depth 1181 fathoms 54°35′S 0°55′E
Depth 602 fathoms 53°59′S 3°15′E

Substitute Depth 156 fathoms for 247 fathoms 54°50′S 0°05′E

Add Depth 596 fathoms 46°53′S 7°44′E
Depth 861 fathoms 45°48′S 0°12′E
Depth 1033 fathoms 47°13′S 6°57′E
Depth 325 fathoms 48°21′S 7°43′E
Depth 913 fathoms 47°22′S 8°37′E
Depth 306 fathoms 47°53′S 9°00′E
Depth 394 fathoms 47°16′S 9°33′E
Depth 335 fathoms 48°22′S 9°29′E
Depth 519 fathoms 54°15′S 1°38′E
Depth 725 fathoms 55°06′S 3°45′E
Depth 703 fathoms 55°25′S 6°05′E
Depth 416 fathoms 53°15′S 9°59′E
Depth 323 fathoms 54°42′S 0°41′E
Depth 281 fathoms 53°52′S 3°18′E
(NTM0011/2007)

211 5Ed. 1/13/96 LAST NM 41/07 46/07
Substitute Depth 347 fathoms for 636 meters 47°17′S 9°02′W
Depth 390 fathoms for 714 meters 46°36′S 7°17′W
Depth 318 fathoms for 582 meters 43°57′S 1°40′W

Add Depth 753 fathoms 52°31′S 2°03′E
Depth 881 fathoms 52°07′S 3°10′E
Depth 529 fathoms 49°40′S 5°35′E
Depth 514 fathoms 49°42′S 6°36′E
Depth 399 fathoms 50°57′S 1°00′E
Depth 569 fathoms 50°56′S 2°35′E
Depth 656 fathoms 50°43′S 3°53′E
Depth 687 fathoms 51°33′S 4°12′E
Depth 427 fathoms 49°03′S 7°58′E
Depth 637 fathoms 50°28′S 5°17′E
Depth 802 fathoms 50°38′S 10°03′E
Depth 519 fathoms 37°26′S 2°30′W
Depth 559 fathoms 37°53′S 7°05′W
Depth 439 fathoms 38°36′S 9°55′W
Depth 622 fathoms 35°08′S 6°56′W
Depth 646 fathoms 35°48′S 0°53′W
Depth 534 fathoms 36°23′S 7°38′W
Depth 963 fathoms 44°58′S 3°38′E
Depth 514 fathoms 41°48′S 1°55′E
Depth 1003 fathoms 41°31′S 2°27′E
Depth 1011 fathoms 43°08′S 7°40′E
Depth 1084 fathoms 42°37′S 9°52′E
Depth 774 fathoms 45°07′S 4°12′W
Depth 428 fathoms 40°33′S 6°16′W
Depth 267 fathoms 43°30′S 4°30′W
Depth 951 fathoms 40°46′S 3°14′W
(NTM0011/2007)

211 5Ed. 1/13/96 LAST NM 46/07 8/08
Delete R Bn 52°22′S 68°20′W
(6(57)06 Valparaiso)

211 5Ed. 1/13/96 LAST NM 8/08 19/08
Add Danger circle [K1] “Shoal rep (2007)” 34°29′S 5°00′W
Depth 228 fathoms “Rep (2007)” 34°30′S 3°52′W
Depth 188 fathoms “Rep (2007)” 33°15′S 0°30′W

“Shoal rep (2007)” area bound by dotted line joining 32°49′S 2°53′W
32°49′S 2°26′W
33°09′S 2°26′W
33°09′S 2°53′W

Depth 269 fathoms “Rep (2007)” 32°02′S 32°47′W
(NTM0009/2007)

211 5Ed. 1/13/96 LAST NM 19/08 35/08
Add Depth 304 fathoms “Rep (2007)” 34°49′S 4°25′W
(NTM0009/2007)

211 5Ed. 1/13/96 LAST NM 35/08 4/09
Delete R Bn 38°05′S 57°32′W
(7(84)08 Buenos Aires; BA LL)

★301 1Ed. 3/2/85 NEW CHART 19/85
Relocate R Bn (AERO) close N to 41°48.8′N 12°14.3′E

Substitute Light with legend “Wellhead” for danger circle “Well” 37°30.00′N 11°54.5′E
(DMAHTC; 1(47)83 Taunton; 22(5)84 Genova)

301 (INT 301) 1Ed. 3/2/85 LAST NM 19/85 21/85
Delete Depth 392 meters 36°01.8′N 4°37.0′W
(12(834)85 Taunton)

301 (INT 301) 1Ed. 3/2/85 LAST NM 21/85 34/85
Delete R Bn at light 44°01′N 9°51′E
R Bns (AERO) 40°35′N 8°15′E
38°03′N 13°11′E

Add R Bn at light 43°31′N 10°20′E
(11(1)85 Genova; US RA; 25(1656)85 Taunton)

301 (INT 301) 1Ed. 3/2/85 LAST NM 34/85 41/85
Delete Danger circle “Obstr” and buoy in vicinity 33°50′N 12°03′E
(34(3597)85 Hamburg)

301 (INT 301) 1Ed. 3/2/85 LAST NM 41/85 43/85
Delete Depth 179 meters 36°07.5′N 3°38.0′W
(35(2324)85 Taunton)

301 (INT 301) 1Ed. 3/2/85 LAST NM 43/85 38/86
Delete R Bn at light 35°56′N 3°01′W
(MCNM7809/86)

301 (INT 301) 1Ed. 3/2/85 LAST NM 38/86 13/87
Add R Bn at light 42°08.0′N 11°47.0′E
(24(39)84 Genova)

301 (INT 301) 1Ed. 3/2/85 LAST NM 13/87 13/90
Delete R Bn at light 43°34′N 7°10′E

Substitute Depths
140 meters for 173 meters 38°54′N 9°44′E
133 meters for 161 meters 38°45′N 9°34′E
(49(36), 50(34)89 Brest)

301 (INT 301) 1Ed. 3/2/85 LAST NM 13/90 22/90
Delete R Bn at light 41°20′N 9°15′E
(5(33)90 Brest)

301 (INT 301) 1Ed. 3/2/85 LAST NM 22/90 27/90
Delete R Bn 36°49′N 11°58′E

Add R Bn at light 36°48′N 12°02′E
(2(3)90 Genova)

301 (INT 301) 1Ed. 3/2/85 LAST NM 27/90 34/90
Delete R Bn at light 41°34′N 8°48′E
(14(31)90 Brest)

301 (INT 301) 1Ed. 3/2/85 LAST NM 34/90 42/90
Delete Depth 292 meters 43°44′N 8°19′E
(22(26)90 Brest)

301 (INT 301) 1Ed. 3/2/85 LAST NM 42/90 46/91
Delete Depth 100 meters 41°52′N 10°38′E

Substitute Depth 33 meters for 31 meters 41°06′N 10°54′E

Add Depth 274 meters 41°51′N 10°35′E
(14(2)91 Genova)

301 (INT 301) 1Ed. 3/2/85 LAST NM 46/91 37/92
Delete R Bn at lights 43°11′N 5°13′E
41°36′N 9°21′E
36°57′N 7°47′E
37°05′N 6°29′E
(BA RA)

301 (INT 301) 1Ed. 3/2/85 LAST NM 37/92 44/92
Delete R Bns (AERO) 39°26′N 0°22′W
39°41′N 0°13′W
41°49′N 12°14′E
35°52′N 14°32′E
36°49′N 5°52′E
36°36′N 2°11′E
35°11′N 2°55′W
(BA RA)

301 (INT 301) 1Ed. 3/2/85 LAST NM 44/92 35/93
Delete R Bn (AERO) 43°56′N 15°10′E
(BA RA)

301 (INT 301) 1Ed. 3/2/85 LAST NM 35/93 8/94
Delete R Bn (AERO) at light 36°55′N 3°54′E
(BA RA)

301 (INT 301) 1Ed. 3/2/85 LAST NM 8/94 10/94
Delete R Bn at light 43°01′N 9°24′E
42°35′N 8°43′E
(50(30)93 Brest)

301 (INT 301) 1Ed. 3/2/85 LAST NM 10/94 27/97
Delete R Bn at light 43°24′N 3°42′E
(BA RA)

301 (INT 301) 1Ed. 3/2/85 LAST NM 27/97 45/98
Add Platform SPM 40°55′N 18°20′E
(25(4)97 Genova)

301 (INT 301) 1Ed. 3/2/85 LAST NM 45/98 36/99
Delete Depth 268 meters 36°22′N 4°00′W

Add Depth 230 meters 36°23′N 3°59′W
Depth 259 meters 36°12′N 3°44′W
Depth 749 meters 36°05′N 3°42′W
(Spn CH 45A)

301 (INT 301) 1Ed. 3/2/85 LAST NM 36/99 3/00
Delete Platform 36°36′N 11°43′E
(30(16)99 Brest)

301 (INT 301) 1Ed. 3/2/85 LAST NM 22/00 37/01
Delete R Bn at light 36°48′N 12°02′E
(NTM0001/2001)

301 (INT 301) 1Ed. 3/2/85 LAST NM 37/01 14/03
Delete R Bn at light 42°59′N 6°12′E
R Bn at light 42°31′N 3°08′E
(33(18, 19)00 Brest)

301 (INT 301) 1Ed. 3/2/85 LAST NM 14/03 21/03
Delete R Bn at light 36°11′N 6°00′W
(6(102)03 Cadiz)

301 (INT 301) 1Ed. 3/2/85 LAST NM 21/03 24/03
Delete R Bn at light 44°24′N 8°54′E
(1(4)03 Genova)

301 (INT 301) 1Ed. 3/2/85 LAST NM 24/03 35/04
Delete R Bn at light 40°32′N 14°11′E
(Ital LL)

301 (INT 301) 1Ed. 3/2/85 LAST NM 35/04 46/04
Delete R Bn at light 36°00′N 5°36′W
(Spn LL)

301 (INT 301) 1Ed. 3/2/85 LAST NM 46/04 38/05
Delete R Bn at light 36°48′N 3°14′E
R Bn at light 36°48′N 2°58′E
(BA LL)

301 (INT 301) 1Ed. 3/2/85 LAST NM 38/05 39/05
Delete R Bn at light 35°52′N 0°29′W
R Bn 42°27′N 18°26′E
(BA LL; Croa LL)

301 (INT 301) 1Ed. 3/2/85 LAST NM 39/05 40/05
Delete R Bn 37°38′N 0°41′W
(Spn LL)

301 (INT 301) 1Ed. 3/2/85 LAST NM 40/05 20/06
Delete R Bn (AERO) at light 36°06′N 5°18′W
R Bn at light 35°47′N 5°56′W
R Bn at light 36°43′N 4°25′W
R Bn at light 36°45′N 2°12′W
R Bn (AERO) 38°17′N 0°33′W
RD at light 35°53′N 5°16′W
R Bn 38°43′N 0°14′E
R Bn 39°58′N 0°02′E
R Bn at light 41°04′N 1°10′E
R Bn (AERO) 41°13′N 1°42′E
R Bn 41°21′N 2°08′E
R Bn at light 41°54′N 3°12′E
(40(400)05 Cadiz; Spn LL)

301 (INT 301) 1Ed. 3/2/85 LAST NM 20/06 21/06
Delete R Bn at light 36°33′N 1°22′E
(BA LL)

301 (INT 301) 1Ed. 3/2/85 LAST NM 21/06 20/08
Delete R Bn from light 44°46′N 13°55′E
R Bn 43°30′N 15°58′E
(1(3)08 Split)

301 (INT 301) 1Ed. 3/2/85 LAST NM 20/08 33/08
Add Submarine cable [L30.1] joining 43°46′N 7°30′E
43°33′N 7°37′E
43°03′N 9°29′E
42°42′N 9°37′E
42°40′N 9°27′E

Submarine cable [L30.1] joining 42°42′N 9°37′E
42°31′N 9°44′E
42°10′N 9°42′E
41°57′N 9°35′E
41°56′N 9°25′E
(13(26)07 Brest)

301 (INT 301) 1Ed. 3/2/85 LAST NM 33/08 4/09
Add Depth 30 meters [I4] 37°01′N 11°51′E
Depth 28 meters [I4] 37°23′N 12°51′E
Depth 80 meters [I4] 35°28′N 14°13′E
(BA CH 176)

301 (INT 301) 1Ed. 3/2/85 LAST NM 4/09 16/09
Add Depth 146 meters, blue tint and enclosing depth contour (200-meter) centered 36°48′N 13°25′E
(Ital CH 340)

★**302** (INT 302) 1Ed. 5/7/83 NEW CHART 29/83
Delete R Bn (AERO) 38°45′N 16°22′E
32°05′N 20°16′E
32°47′N 21°58′E
(DMAHTC)

302 (INT 302) 1Ed. 5/7/83 LAST NM 29/83 31/83
Add Depth 49 meters 43°02′N 16°26′E
(6(43)83 Split)

302 (INT 302) 1Ed. 5/7/83 LAST NM 31/83 41/83
Substitute Depth 32 meters for 66 meters 38°18′50″N 23°56′00″E
(5(127)83 Athens)

302 (INT 302) 1Ed. 5/7/83 LAST NM 41/83 50/83
Delete Depth 115 meters 40°12′N 25°27′E

Add Depth 100 meters 41°50.7′N 10°35.5′E
(17(1)83 Genova; NVS7120/83)

302 (INT 302) 1Ed. 5/7/83 LAST NM 50/83 9/84
Delete R Bn (AERO) 38°06′N 21°24′E
(3(149)84 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 9/84 12/84
Delete Depths
99 meters 35°15′N 22°51′E
100 meters 35°40′N 22°08′E
100 meters 35°45′N 21°57′E
(NVS7211/84)

302 (INT 302) 1Ed. 5/7/83 LAST NM 12/84 14/84
Delete Depth 300 meters 41°50.7′N 10°35.5′E
(See 50/83-302)
(17(1)83 Genova)

302 (INT 302) 1Ed. 5/7/83 LAST NM 14/84 25/84
Delete Depth 29 meters 35°45′N 27°55′E
(11(316)83 Athens)

302 (INT 302) 1Ed. 5/7/83 LAST NM 25/84 31/84
Delete Depth 18 meters 38°02′N 10°43′E
(24(31)84 Brest)

302 (INT 302) 1Ed. 5/7/83 LAST NM 31/84 17/85
Substitute Light symbol for danger circle 37°30.0′N 11°54.0′E
Note: Legend "Wellhead" remains
(22(5)84 Genova)

302 (INT 302) 1Ed. 5/7/83 LAST NM 17/85 28/85
Add Depth 146 meters (ED) 36°48′N 13°23′E
(HNNM7486/85)

302 (INT 302) 1Ed. 5/7/83 LAST NM 28/85 34/85
Delete R Bn (AERO) 38°02′N 13°11′E
(25(1662)85 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 34/85 41/85
Delete Dotted-line circle "Obstr" and buoy in vicinity 33°50′N 12°03′E
(34(3597)85 Hamburg)

302 (INT 302) 1Ed. 5/7/83 LAST NM 41/85 40/86
Delete R Bn (AERO) 31°35′N 31°00′E
(BA RA)

302 (INT 302) 1Ed. 5/7/83 LAST NM 40/86 13/87
Add R Bn at light 42°08.0′N 11°48.0′E
(24(39)84 Genova)

302 (INT 302) 1Ed. 5/7/83 LAST NM 13/87 22/87
Delete R Bn (AERO) 30°53′N 20°05′E
(DMAHTC)

★**302** (INT 302) 1Ed. 5/7/83 LAST NM 22/87 17/88
Delete R Bn (AERO) 39°04′N 26°36′E
(MCNM7988/87)

302 (INT 302) 1Ed. 5/7/83 LAST NM 17/88 33/88
Delete R Bn (AERO) 31°10′N 29°56′E
(MCNM7988/87)

302 (INT 302) 1Ed. 5/7/83 LAST NM 33/88 21/90
Delete R Bn at light 41°14′N 29°07′E
(2(4)90 Istanbul)

302 (INT 302) 1Ed. 5/7/83 LAST NM 21/90 36/91
Add R Bn 31°09′N 29°50′E
(27(1947)91 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 36/91 37/91
Add R Bn at light 31°28′N 30°20′E
(BA LL)

302 (INT 302) 1Ed. 5/7/83 LAST NM 37/91 46/91
Substitute Depth 33 meters for 31 meters 41°06′N 10°54′E

Add Depth 274 meters 41°51′N 10°35′E
(14(2)91 Genova)

302 (INT 302) 1Ed. 5/7/83 LAST NM 46/91 51/91
Add Light symbol and R Bn 30°57′N 28°49′E
(29(2081)91 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 51/91 52/91
Add R Bn at light 31°16′N 32°18′E
(30(2160)91 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 52/91 1/92
Add R Bn at lights 31°31′N 31°51′E
31°36′N 31°05′E
(32(2321)91 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 1/92 31/92
Delete R Bn (AERO) at light 35°20′N 25°10′E
(12(866)92 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 31/92 44/92
Delete R Bns (AERO) 41°49′N 12°16′E
35°53′N 14°32′E
40°51′N 25°56′E
31°10′N 16°27′E
(BA RA)

302 (INT 302) 1Ed. 5/7/83 LAST NM 44/92 22/93
Delete R Bn 33°30.0′N 35°20.5′E
(BA RA)

302 (INT 302) 1Ed. 5/7/83 LAST NM 22/93 53/94
Delete Depth 18 meters 35°50′N 34°47′E
(47(3938)94 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 53/94 5/98
Delete R Bn (AERO) 31°02′N 28°27′E
(36(3248)97 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 5/98 45/98
Add Platform SPM 40°55′N 18°20′E
(25(4)97 Genova)

302 (INT 302) 1Ed. 5/7/83 LAST NM 45/98 37/01
Delete R Bn at light 36°49′N 11°58′E
(NTM0001/2001)

302 (INT 302) 1Ed. 5/7/83 LAST NM 37/01 41/01
Delete Depth 46 meters 36°34′N 35°56′E
(23(137)01 Istanbul)

302 (INT 302) 1Ed. 5/7/83 LAST NM 41/01 42/01
Delete R Bn (AERO) (PA) 36°53′N 30°48′E
(BA RA)

302 (INT 302) 1Ed. 5/7/83 LAST NM 42/01 2/03
Delete Depth 14.6 meters, blue tint and enclosing dotted line 36°12′N 34°45′E
Depth 51 meters, blue tint and enclosing dotted line 36°14′N 34°36′E
(NTM0046/2002)

302 (INT 302) 1Ed. 5/7/83 LAST NM 2/03 35/04
Delete R Bn at light 40°32′N 14°11′E
(Ital LL)

302 (INT 302) 1Ed. 5/7/83 LAST NM 35/04 28/05
Delete RBn from light 43°22′N 28°28′E
(BA LL)

302 (INT 302) 1Ed. 5/7/83 LAST NM 28/05 39/05
Delete R Bn 42°27′N 18°26′E
(Croa LL)

302 (INT 302) 1Ed. 5/7/83 LAST NM 39/05 45/05
Delete Depth 91 meters, blue tint and enclosing danger circle centered 35°35′N 29°18′E
Add Depth 680 meters 35°26′N 30°10′E
(36(4256)05 Taunton)

302 (INT 302) 1Ed. 5/7/83 LAST NM 45/05 5/07
Delete R Bn at light 41°13′N 30°15′E
(BA LL)

302 (INT 302) 1Ed. 5/7/83 LAST NM 5/07 20/08
Delete R Bn 43°31′N 15°58′E
(1(3)08 Split)

302 (INT 302) 1Ed. 5/7/83 LAST NM 20/08 47/08
Substitute Depth 27 meters for 26 meters 36°15′N 26°38′E
Note: Dotted line circle remains
(8(165)07 Athens)

302 (INT 302) 1Ed. 5/7/83 LAST NM 47/08 48/08
Delete Depth 80 meters, blue tint and enclosing depth contour (200-meter) centered 39°42′N 24°33′E
Depth 130 meters, blue tint and enclosing dotted-line circle centered 39°31′N 24°46′E
Add Depth 401 meters 39°43′N 24°32′E
Depth 306 meters 39°31′N 24°46′E
(12(252, 253)06 Athens)

302 (INT 302) 1Ed. 5/7/83 LAST NM 48/08 1/09
Delete Depth 35 meters 39°29′N 25°11′E
(12(254)06 Athens)

302 (INT 302) 1Ed. 5/7/83 LAST NM 1/09 4/09
Add Depth 30 meters [I4] 37°01′N 11°51′E
Depth 28 meters [I4] 37°23′N 12°51′E
Depth 80 meters [I4] 35°28′N 14°13′E
(BA CH 176)

302 (INT 302) 1Ed. 5/7/83 LAST NM 4/09 30/09
Substitute Depth 136 meters for 144 meters 39°57′N 24°40′E
(4(121)02 Athens)

★**310** 20Ed. 12/29/79 NEW EDITION 12/80
(DMAHTC)

310 20Ed. 12/29/79 LAST NM 12/80 35/80
Substitute Depth 854 meters for 178 meters 35°45′N 23°27′E
(NVS6198/80)

310 20Ed. 12/29/79 LAST NM 35/80 24/81
Add Depths
62 meters "Rep (1981)" 37°28′N 10°43′E
68 meters "Rep (1981)" 37°16′N 11°34′E
(14(777)81 Taunton)

★**310** 20Ed. 12/29/79 LAST NM 24/81 28/81
Delete Depths
13 meters 42°46′N 3°58′E
150 meters 41°14′N 10°26′E
24 meters 39°33′N 18°34′E
9 meters 31°22′N 29°08′E
Add Depth 750 meters 41°14′N 10°26′E
(NVS6431/81)

310 20Ed. 12/29/79 LAST NM 28/81 19/82
Delete R Bn 31°39′N 34°37′E
32°11′N 34°50′E
(AERO) 33°50′N 35°30′E
(US RA)

310 20Ed. 12/29/79 LAST NM 19/82 42/82
Add R Bn (AERO) (PA) 36°53′N 30°47′E
(20(176)82 Istanbul)

310 20Ed. 12/29/79 LAST NM 42/82 49/82
Add Depth 60 meters 39°31.7′N 15°33.9′E
(35(2127)82 Taunton)

310 20Ed. 12/29/79 LAST NM 49/82 17/83
Relocate R Bn (AERO) close NNW to 41°48′N 12°17′E
(1(47)83 Taunton)

310 20Ed. 12/29/79 LAST NM 17/83 25/83
Add R Bn (AERO) 44°53′N 13°45′E
(BA RA)

310 20Ed. 12/29/79 LAST NM 25/83 29/83
Delete R Bn at lights 42°26′N 11°08′E
38°43′N 13°12′E
42°00′N 15°00′E
40°01′N 15°17′E
39°02′N 17°12′E
37°56′N 16°04′E
Add R Bn at light 38°11′N 12°44′E
(BA RA)

310 20Ed. 12/29/79 LAST NM 29/83 42/83
Add R Bn (AERO) 42°43.7′N 10°23.9′E
(BA RA)

310 20Ed. 12/29/79 LAST NM 42/83 50/83
Add Depth 100 meters 41°51′N 10°36′E
(17(1)83 Genova)

310 20Ed. 12/29/79 LAST NM 50/83 22/84
Delete R Bn at light 36°46′N 5°07′E
(11(46)84 Brest)

310 20Ed. 12/29/79 LAST NM 22/84 23/84
Delete Depth
99 meters (ED) 35°15′N 22°52′E
100 meters (ED) 35°40′N 22°09′E
100 meters (ED) 35°47′N 21°54′E
(NVS7211/84)

310 20Ed. 12/29/79 LAST NM 23/84 25/84
Delete Depth 30 meters 35°44′N 27°53′E
Add Depth 91 meters "Rep (1974)" (PA) 35°35.0′N 29°18.0′E
(41/74, 12(316)83 Athens; Gr CH 45)

310 20Ed. 12/29/79 LAST NM 25/84 26/84
Substitute Depth 229 meters for 278 meters 38°39′N 14°02′E
(20(20)84 Brest)

310 20Ed. 12/29/79 LAST NM 26/84 28/85
Add Depth 146 meters (ED) 36°48′N 13°23′E
(HNNM7486/85)

310 20Ed. 12/29/79 LAST NM 28/85 33/85
Add R Bn at light 43°33′N 10°17′E
(10(5)85 Genova)

310 20Ed. 12/29/79 LAST NM 33/85 34/85
Delete R Bn at lights 44°01′N 9°52′E
40°34′N 8°10′E
(11(1)85 Genova; US RA)

310 20Ed. 12/29/79 LAST NM 34/85 37/86
Add Depth 157 meters enclosed by
depth contour (200-meter) 36°50′N 7°28′W
(MCNM7802/86)

310 20Ed. 12/29/79 LAST NM 37/86 38/86
Delete R Bn at light 35°56′N 3°02′W
(MCNM7809/86)

310 20Ed. 12/29/79 LAST NM 38/86 33/88
Delete R Bn (AERO) 31°13′N 29°56′E
(MCNM7988/87)

310 20Ed. 12/29/79 LAST NM 33/88 13/90
Delete R Bn at light 43°32′N 7°08′E
Substitute Depths
140 meters for 173 meters 38°53′N 9°45′E
133 meters for 161 meters 38°42′N 9°35′E
(49(36), 50(34)89 Brest)

310 20Ed. 12/29/79 LAST NM 13/90 21/90
Delete R Bn at light 41°14′N 29°07′E
(2(4)90 Istanbul)

310 20Ed. 12/29/79 LAST NM 21/90 34/90
Delete R Bn at light 41°32′N 8°47′E
(14(31)90 Brest)

310 20Ed. 12/29/79 LAST NM 34/90 6/91
Delete R Bn at light 32°55′N 35°05′E
Add R Bn at light 32°50′N 34°58′E
(3/90 Haifa)

310 20Ed. 12/29/79 LAST NM 6/91 36/91
Add R Bn 31°09′N 29°50′E
(27(1947)91 Taunton)

310 20Ed. 12/29/79 LAST NM 36/91 37/91
Add R Bn at light 31°29′N 30°21′E
(BA LL; BA RA)

310 20Ed. 12/29/79 LAST NM 37/91 46/91
Substitute Depth 274 meters for 100 meters 41°50.7′N 10°35.5′E
(14(2)91 Genova)

310 20Ed. 12/29/79 LAST NM 46/91 51/91
Add Light symbol and R Bn 30°57′N 28°49′E
(29(2081)91 Taunton)

310 20Ed. 12/29/79 LAST NM 51/91 52/91
Add R Bn at light 31°16′N 32°18′E
(30(2160)91 Taunton)

310 20Ed. 12/29/79 LAST NM 52/91 1/92
Add R Bn at lights 31°32′N 31°54′E
31°34′N 31°05′E
(32(2321)91 Taunton)

310 20Ed. 12/29/79 LAST NM 1/92 37/92
Delete R Bn at lights 43°10′N 5°16′E
41°34′N 9°23′E
36°57′N 7°47′E
(BA RA)

310 20Ed. 12/29/79 LAST NM 37/92 44/92
Delete R Bns (AERO) 41°48′N 12°17′E
35°50′N 14°33′E
31°12′N 16°40′E
R Bn (AERO) at lights 39°27′N 0°20′W
35°26′N 2°59′W
(BA RA)

310 20Ed. 12/29/79 LAST NM 44/92 22/93
Delete R Bn 33°30.0′N 35°20.5′E
(BA RA)

310 20Ed. 12/29/79 LAST NM 22/93 8/94
Delete R Bn (AERO) at light 36°55′N 3°54′E
(BA RA)

310 20Ed. 12/29/79 LAST NM 8/94 10/94
Delete R Bn at light 43°02′N 9°25′E
42°35′N 8°44′E
(50(30)93 Brest)

310 20Ed. 12/29/79 LAST NM 10/94 27/97
Delete R Bn at light 43°22′N 3°38′E
(BA RA)

310 20Ed. 12/29/79 LAST NM 27/97 45/98
Add Platform SPM 40°55′N 18°20′E
(25(4)97 Genova)

310 20Ed. 12/29/79 LAST NM 22/00 23/01
Add R Bn [S10] 43°30′N 15°58′E
(1(4)01 Split)

310 20Ed. 12/29/79 LAST NM 23/01 37/01
Delete R Bn at light 36°49′N 11°58′E
(NTM0001/2001)

310 20Ed. 12/29/79 LAST NM 37/01 38/01
Add R Bn (AERO) [S16] 35°31′N 24°10′E
(Gr CH 433/1)

310 20Ed. 12/29/79 LAST NM 38/01 42/01
Delete R Bn (AERO) (PA) 36°53′N 30°47′E
(BA RA)

310 20Ed. 12/29/79 LAST NM 42/01 2/03
Delete Depth 15 meters (ED), blue tint and enclosing
depth contour 36°10′N 34°47′E
Depth 51 meters (ED), blue tint and enclosing
depth contour 36°12′N 34°37′E
Depth 110 meters (ED), blue tint and enclosing
depth contour 36°15′N 34°45′E
Depth 52 meters (ED), blue tint and enclosing
depth contour 36°13′N 34°32′E
(NTM0046/2002)

310 20Ed. 12/29/79 LAST NM 2/03 14/03
Delete R Bn at light 42°59′N 6°12′E
R Bn at light 42°31′N 3°08′E
(33(18, 19)00 Brest)

310 20Ed. 12/29/79 LAST NM 14/03 21/03
Delete R Bn at light 36°12′N 6°02′W
(6(102)03 Cadiz)

310 20Ed. 12/29/79 LAST NM 21/03 24/03
Delete R Bn at light 44°24′N 8°54′E
(1(4)03 Genova)

310 20Ed. 12/29/79 LAST NM 24/03 52/03
Delete R Bn at light 45°01′N 35°26′E
R Bn at light 45°04′N 36°23′E
(26(4128, 4129)03 St. Petersburg)

310 20Ed. 12/29/79 LAST NM 52/03 6/04
Delete R Bn at light 45°16′N 30°12′E
(41(6631)03 St. Petersburg)

310 20Ed. 12/29/79 LAST NM 6/04 35/04
Delete R Bn at light 40°32′N 14°12′E
(Ital LL)

310 20Ed. 12/29/79 LAST NM 35/04 42/04
Delete R Bn at light 46°23′N 30°46′E
(13(1869)04 St. Petersburg)

310 20Ed. 12/29/79 LAST NM 42/04 46/04
Delete R Bn at light 36°00′N 5°36′W
(Spn LL)

310 20Ed. 12/29/79 LAST NM 46/04 28/05
Delete RBn from light 43°22′N 28°28′E
(BA LL)

310 20Ed. 12/29/79 LAST NM 28/05 38/05
Delete R Bn at light 36°48′N 3°15′E
R Bn at light 36°46′N 3°04′E
R Bn at light 36°48′N 3°00′E
(BA LL)

310 20Ed. 12/29/79 LAST NM 38/05 39/05
Delete R Bn at light 35°52′N 0°29′W
R Bn 42°27′N 18°26′E
(BA LL; Croa LL)

310 20Ed. 12/29/79 LAST NM 39/05 44/05
Delete Light 43°18′N 28°04′E
(25(2920)05 Taunton)

310 20Ed. 12/29/79 LAST NM 44/05 45/05
Delete Depth 91 meters "Rep 1974" (PA) 35°35′N 29°18′E

Add Depth 680 meters 35°26′N 30°10′E
(36(4256)05 Taunton)

310 20Ed. 12/29/79 LAST NM 45/05 8/06
Delete R Bn 33°37′N 7°34′W
R Bn at light 33°37′N 7°39′W
(28(294)05 Cadiz)

310 20Ed. 12/29/79 LAST NM 8/06 20/06
Delete R Bn at light 36°58′N 7°53′W
R Bn at light 37°10′N 7°25′W
R Bn at light 35°47′N 5°55′W
R Bn at light 36°44′N 4°25′W
R Bn (AERO) 37°45′N 0°50′W
R Bn 35°56′N 5°23′W
R Bn at light 41°18′N 2°11′E
R Bn at light 41°03′N 1°13′E
R Bn at light 41°53′N 3°12′E
(40(400)05 Cadiz; Spn LL)

310 20Ed. 12/29/79 LAST NM 20/06 21/06
Delete R Bn (AERO) 35°47′N 0°08′W
R Bn at light 36°32′N 1°22′E
(BA LL)

310 20Ed. 12/29/79 LAST NM 21/06 4/07
Delete R Bn at light 44°09′N 28°37′E
R Bn at light 46°18′N 30°40′E
R Bn at light 46°29′N 30°45′E
R Bn at light 46°19′N 31°30′E
R Bn at light 45°20′N 32°29′E
R Bn at light 44°34′N 33°22′E
(BA LL)

310 20Ed. 12/29/79 LAST NM 4/07 5/07
Delete R Bn at light 41°13′N 30°15′E
(BA LL)

310 20Ed. 12/29/79 LAST NM 5/07 20/08
Delete R Bn 43°30′N 15°58′E
(1(3)08 Split)

310 20Ed. 12/29/79 LAST NM 20/08 4/09
Add Depth 30 meters [I4] 37°01′N 11°51′E
Depth 80 meters [I4] 35°28′N 14°13′E
(BA CH 176)

★**400** (INT 400) 3Ed. 12/25/93 NEW EDITION 19/94
Add Danger circle "Obstn" 27°58′N 95°55′W
(Previously published 1/94)

Relocate Superbuoy ODAS "42020" close N to 27°13′N 96°30′W
(Previously published 2/94)

Delete R Bn at light 24°38′N 82°55′W
(Previously published 4/94)

Add Superbuoy ODAS "42036" Y,
Fl(4) Y 20s 28°30′N 84°30′W
(Previously published 5/94)

Add Light symbol 28°55′N 84°45′W
28°40′N 84°21′W
(Previously published 10/94)

Delete Buoy 27°59′N 94°00′W

Buoy (mooring) 27°14′N 96°58′W
(DMAHTC; MCC1262/93)

400 (INT 400) 3Ed. 12/25/93 LAST NM 19/94 28/94
Add Dotted-line circle "Obstn" 28°35′N 92°47′W
(20/94 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 28/94 32/94
Delete R Bn at light 21°52′N 84°57′W

Add Light symbol 22°14′N 83°34′W

Danger circle "Obstn" 28°21′N 91°09′W
28°10′N 91°38′W
(24/94 CG8; 1(18), 2(36)94 Habana)

400 (INT 400) 3Ed. 12/25/93 LAST NM 32/94 36/94
Relocate Superbuoy ODAS "42020"
(27°13′N 96°30′W) to 27°01′N 96°30′W
(See 19/94-400)
(49/93 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 36/94 43/94
Delete Light symbol 28°55′N 84°45′W
28°40′N 84°21′W
(See 19/94-400)
(33/94 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 43/94 46/94
Add Superbuoy ODAS "41018" Y, Fl(4) Y 20s 15°00′N 75°00′W
(35/94 CG7)

400 (INT 400) 3Ed. 12/25/93 LAST NM 46/94 52/94
Add Superbuoy ODAS "41016" Y, Fl(4) Y 20s 24°38′N 76°31′W
(MCC1348/94)

400 (INT 400) 3Ed. 12/25/93 LAST NM 52/94 1/95
Delete R Bn at light 26°04′N 97°10′W
R Bn 27°05′N 80°07′W
(47/94 CG7; 47/94 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 1/95 2/95
Delete R Bn at light 30°21′N 81°25′W
(49/94 CG7)

400 (INT 400) 3Ed. 12/25/93 LAST NM 2/95 43/95
Delete Light symbol 29°51′N 84°43′W
(36/95 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 43/95 45/95
Delete R Bn at light 29°19′N 94°44′W
(USCG LL)

400 (INT 400) 3Ed. 12/25/93 LAST NM 45/95 11/96
Add Superbuoy ODAS “42039” Y, Fl(4) Y 20s 28°47′N 86°02′W
(51/95 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 11/96 12/96
Delete R Bn at light 22°03′N 80°24′W
(5(103)95 Habana)

400 (INT 400) 3Ed. 12/25/93 LAST NM 12/96 13/96
Delete Superbuoy ODAS “41018” 15°00′N 75°00′W

Light symbol 29°40′N 85°22′W
Note: R Bn remains
(5/96 CG8; 8/96 CG7)

400 (INT 400) 3Ed. 12/25/93 LAST NM 13/96 17/96
Add Buoy Y, Fl Y 4s 28°50′N 84°51′W
(9/96 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 17/96 36/96
Delete R Bn 29°40′N 85°21′W
(SMEA006/96)

400 (INT 400) 3Ed. 12/25/93 LAST NM 36/96 41/96
Delete R Bn at light 28°54′N 89°25′W

R Bn 29°47′N 93°21′W
29°43′N 93°52′W
(SMEA009/96)

400 (INT 400) 3Ed. 12/25/93 LAST NM 41/96 42/96
Delete R Bn at light 27°50′N 97°03′W
R Bn (AERO) 12°13′N 69°03′W
(BA RA; SMEA009/96)

400 (INT 400) 3Ed. 12/25/93 LAST NM 42/96 45/96
Delete Light 18°24′N 75°00′W

Add Light symbol 10°45′N 62°43′W
(37/96 CG7; 28/96 Caracas)

400 (INT 400) 3Ed. 12/25/93 LAST NM 45/96 46/96
Delete R Bn at light 22°16′N 97°48′W

R Bn (AERO) 20°12′N 96°45′W
18°40′N 91°48′W

R Bn 19°09′N 96°10′W
20°28′N 87°00′W
18°30′N 88°20′W
(GIMM049/96)

400 (INT 400) 3Ed. 12/25/93 LAST NM 46/96 51/96
Delete R Bn at light 27°36′N 82°46′W
10°20′N 75°35′W

(GIMM049, 050/96)

400 (INT 400) 3Ed. 12/25/93 LAST NM 51/96 6/97
Delete R Bn at light 30°14′N 88°01′W
(GIMM002/97)

400 (INT 400) 3Ed. 12/25/93 LAST NM 6/97 14/97
Delete Depths
269 meters 16°13′N 86°49′W
189 meters (PA) 16°13′N 86°57′W
212 meters (PA) 16°14′N 87°13′W
(GIMM019/97)

400 (INT 400) 3Ed. 12/25/93 LAST NM 14/97 23/97
Delete Purple circle at light 22°41′N 78°53′W
Legend “R Bn” 22°45′N 78°26′W
(9(222)96 Habana)

400 (INT 400) 3Ed. 12/25/93 LAST NM 23/97 28/97
Delete R Bn at light 28°27′N 80°33′W
(GIMM002/97)

400 (INT 400) 3Ed. 12/25/93 LAST NM 28/97 29/97
Delete Superbuoy ODAS “41006” 29°18′N 77°22′W
(24/97 CG7)

400 (INT 400) 3Ed. 12/25/93 LAST NM 29/97 30/97
Delete Light symbol 16°23′N 86°23′W
(17(1506)97 Taunton)

400 (INT 400) 3Ed. 12/25/93 LAST NM 30/97 27/98
Add Wreck (PA) 26°13′N 96°25′W
(16/98 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 27/98 28/98
Delete Light symbol 31°57′N 80°40′W
(19/98 CG7)

400 (INT 400) 3Ed. 12/25/93 LAST NM 28/98 35/98
Delete Light symbol 29°20′N 94°44′W
28°58′N 95°19′W

(29/98 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 35/98 45/98
Add Dangerous wreck 27°01′N 97°08′W
Dotted-line circle “Obstn” 28°32′N 92°59′W
(38/98 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 45/98 49/98
Delete R Bn (AERO) 16°16′N 61°32′W
(BA RA)

400 (INT 400) 3Ed. 12/25/93 LAST NM 49/98 39/99
Delete R Bn (AERO) 30°27′N 87°11′W
(USCG LL)

400 (INT 400) 3Ed. 12/25/93 LAST NM 39/99 48/99
Add Depth 36 meters Obstn [I10] 29°28′N 88°26′W
(19/99 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 48/99 50/99
Delete Light symbol 26°05′N 80°06′W
(40/99 CG7)

400 (INT 400) 3Ed. 12/25/93 LAST NM 50/99 4/00
Relocate Superbuoy ODAS “42020” from
27°01′N 96°30′W to 26°55′N 96°42′W
(29/99 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 4/00 14/00
Add Superbuoy ODAS “42040” Y, Fl(4) Y 20s
[Q58] 29°12.5′N 88°12.0′W
(42/99 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 14/00 16/00
Delete Light 27°51′N 97°04′W
(49/99 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 16/00 22/00
Delete Light 26°03′N 97°09′W
(50/99 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 22/00 45/00
Relocate Superbuoy ODAS “42019” from
27°53′N 95°00′W to 27°55′N 95°22′W
(26/00 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 45/00 7/01
Delete Light 12°37′N 70°03′W
Light 11°59′N 68°39′W
Light 12°25′N 69°52′W
(42(482)00 ’s-Gravenhage)

400 (INT 400) 3Ed. 12/25/93 LAST NM 7/01 24/01
Substitute Depth 16 meters for 19 meters 28°10′N 94°18′W
(NOS)

400 (INT 400) 3Ed. 12/25/93 LAST NM 24/01 35/01
Relocate Superbuoy ODAS “42003” from
25°56.2′N 85°54.9′W to 25°23.6′N 85°57.9′W
(51/00 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 35/01 38/01
Relocate Superbuoy ODAS “41002” from
32°18′N 75°14′W to 32°16′N 75°26′W
(29/01 CG7)

400 (INT 400) 3Ed. 12/25/93 LAST NM 38/01 23/02
Add Dashed-line circle “Obstn” (PA) 28°44′N 85°09′W
(19/02 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 23/02 26/02
Relocate Superbuoy ODAS “42002” from
25°55′N 93°35′W to 25°11′N 94°25′W
(22/02 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 26/02 31/02
Add Superbuoy ODAS [Q58] “42041” Y,
Fl(4) Y 20s 27°30′N 90°30′W
(NTM0010/2002)

400 (INT 400) 3Ed. 12/25/93 LAST NM 31/02 32/02
Add Danger circle “Obstn” [K40] (PA) 31°48′N 79°34′W
(NOS)

400 (INT 400) 3Ed. 12/25/93 LAST NM 32/02 33/02
Add Light symbol [P1] 22°23′N 89°41′W
(SCT 4/02 Mexico, D.F.; US CH 28221)

400 (INT 400) 3Ed. 12/25/93 LAST NM 33/02 35/02
Add Superbuoy ODAS [Q58] “41012” Y,
Fl(4) Y 20s 30°00′N 80°30′W
(27/02 CG7)

400 (INT 400) 3Ed. 12/25/93 LAST NM 35/02 45/02
Add Light symbol [P1] 20°30′N 86°58′W
(Mex LL; NTM0007/2002)

400 (INT 400) 3Ed. 12/25/93 LAST NM 45/02 29/03
Add Dashed-line circle “Obstn” 27°37′N 89°13′W
Dashed-line circle “Obstn” 27°06′N 91°06′W
Dashed-line circle “Obstn” 26°05′N 88°58′W
Dashed-line circle “Obstn” 25°55′N 91°08′W
(23/03 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 29/03 33/03
Relocate Superbuoy ODAS “42003” from
25°24′N 85°58′W to 26°01′N 85°55′W
(NTM0002/2003)

400 (INT 400) 3Ed. 12/25/93 LAST NM 33/03 34/03
Delete R Bn at light 32°00′N 80°50′W

Add Wreck [K29] (PA) 28°46′N 92°22′W
(26/03 CG7; 28/03 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 34/03 6/04
Delete Designation “42001” from superbuoy (ODAS)
25°55′N 89°38′W

Add Superbuoy (ODAS) “42001” Y, Fl(4) Y 20s
25°51′N 89°40′W
(NTM0001/2004)

400 (INT 400) 3Ed. 12/25/93 LAST NM 6/04 19/04
Add Wreck [K29] “Rep (2004)” 25°54′N 79°55′W
(NTM0001/2004)

400 (INT 400) 3Ed. 12/25/93 LAST NM 19/04 25/04
Add Superbuoy ODAS [Q58] “42038”
Y, Fl(4) Y 20s 27°25′N 92°35′W
(20/04 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 25/04 27/04
Delete Depth 8 meters and enclosing dotted-line circle
16°58′N 83°15′W

Add Depth 26 meters 16°54′N 83°20′W
(NTM0012/2004)

400 (INT 400) 3Ed. 12/25/93 LAST NM 27/04 36/04
Delete Dashed-line circle “Obstn” 27°37′N 89°13′W
Dashed-line circle “Obstn” 27°06′N 91°06′W
Dashed-line circle “Obstn” 26°05′N 88°58′W
Dashed-line circle “Obstn” 25°55′N 91°08′W
(26/04 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 36/04 37/04
Add Dashed-line circle “Obstn” 26°02′N 96°15′W
Dashed-line circle “Obstn” 26°03′N 95°57′W
Dashed-line circle “Obstn” 26°03′N 95°35′W
Dashed-line circle “Obstn” 26°02′N 94°06′W
Dashed-line circle “Obstn” 26°37′N 96°17′W
Dashed-line circle “Obstn” 26°38′N 95°33′W
Dashed-line circle “Obstn” 26°30′N 94°49′W
Dashed-line circle “Obstn” 26°37′N 93°56′W
Dashed-line circle “Obstn” 27°08′N 96°08′W
Dashed-line circle “Obstn” 27°13′N 95°31′W
Dashed-line circle “Obstn” 26°55′N 94°43′W
Dashed-line circle “Obstn” 27°25′N 94°40′W
Dashed-line circle “Obstn” 27°10′N 93°54′W
(27/04 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 37/04 49/04
Relocate Superbuoy ODAS “42040” from
29°12′N 88°12′W to 29°11′N 88°13′W
(NTM0036/2003)

400 (INT 400) 3Ed. 12/25/93 LAST NM 49/04 1/05
Relocate Superbuoy ODAS “41002” from
32°16′N 75°26′W to 32°19′N 75°21′W
(NOS)

400 (INT 400) 3Ed. 12/25/93 LAST NM 1/05 9/05
Add Dashed-line circle “Obstn” 26°29′N 95°22′W
(5/05 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 9/05 23/05
Add Superbuoy ODAS [Q58] “42055” Y,
Fl(4) Y 20s 22°01′N 94°03′W
Superbuoy ODAS [Q58] “42056” Y,
Fl(4) Y 20s 19°52′N 85°04′W
(NTM0006/2005)

400 (INT 400) 3Ed. 12/25/93 LAST NM 23/05 26/05
Add Depth 1116 meters “Rep (2005)” 27°26′N 76°35′W
(NTM0024/2005)

400 (INT 400) 3Ed. 12/25/93 LAST NM 26/05 27/05
Delete Superbuoy ODAS “42041” 27°30′N 90°30′W
(13/05 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 27/05 36/05
Add Dashed-line circle “Obstn” 27°56′N 91°54′W
Dashed-line circle “Obstn” 27°57′N 92°21′W
(24/05 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 36/05 43/05
Delete Superbuoy ODAS 25°55′N 89°38′W

Relocate Superbuoy ODAS “42001” from
25°51′N 89°40′W to 25°54′N 89°40′W
(NTM0032/2005)

400 (INT 400) 3Ed. 12/25/93 LAST NM 43/05 48/05
Add Depth 17 meters “Rep (2005)” 21°55′N 91°49′W
(NTM0004/2005)

400 (INT 400) 3Ed. 12/25/93 LAST NM 48/05 4/06
Add Light symbol [P1] 21°11′N 86°48′W
(10(Sec 3)05 Mexico, D.F.)

400 (INT 400) 3Ed. 12/25/93 LAST NM 4/06 13/06
Delete Superbuoy ODAS "42003" 26°01′N 85°55′W

Add Superbuoy ODAS "42003" Y (inverted) 25°59′N 85°50′W
(NOS)

400 (INT 400) 3Ed. 12/25/93 LAST NM 13/06 14/06
Delete Superbuoy ODAS "42003" 25°59′N 85°50′W
(See 13/06-400)

Add Superbuoy ODAS "42003" Y, Fl(4) Y 20s 26°04′N 85°57′W
(NTM0003/2006)

400 (INT 400) 3Ed. 12/25/93 LAST NM 14/06 21/06
Add Superbuoy ODAS [Q58] "42408" Or W,
Fl(4) Y 20s 25°25′N 86°48′W
(18/06 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 21/06 25/06
Add Superbuoy ODAS "42070" Or W, Fl(4) Y 20s
[Q58] 28°33′N 88°10′W
(22/06 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 25/06 28/06
Add Depth 390 meters 23°07′N 79°16′W
(NTM0007/2005)

400 (INT 400) 3Ed. 12/25/93 LAST NM 28/06 50/06
Add Depth 7 meters Obstn [K41] "Rep (2006)"
16°29′N 81°22′W
Depth 7 meters Obstn [K41] "Rep (2006)"
16°23′N 81°19′W
(43(4946)06 Taunton)

400 (INT 400) 3Ed. 12/25/93 LAST NM 50/06 8/07
Substitute Depth 8 meters for 13 meters 20°08′N 68°51′W

Add Depth 63 meters, blue tint and enclosing
dotted-line circle 20°03′N 69°22′W
(46(5388)05 Taunton)

400 (INT 400) 3Ed. 12/25/93 LAST NM 8/07 9/07
Add Light symbol [P1] 12°25′N 69°52′W
(12(1538)05 Taunton)

400 (INT 400) 3Ed. 12/25/93 LAST NM 9/07 17/08
Delete Superbuoy ODAS "42070" 28°33′N 88°10′W
(13/08 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 17/08 42/08
Add Light symbol [P1] 14°09′N 81°10′W
(29/08 Bogota)

400 (INT 400) 3Ed. 12/25/93 LAST NM 42/08 1/09
Relocate Superbuoy ODAS "42003" from
26°04′N 85°57′W to 25°58′N 85°36′W
(50/08 CG8)

400 (INT 400) 3Ed. 12/25/93 LAST NM 1/09 4/09
Add Light symbol [P1] 10°06′N 65°11′W
(51/08 Caracas)

400 (INT 400) 3Ed. 12/25/93 LAST NM 4/09 23/09
Add Superbuoy ODAS [Q58] "41049" Y,
Fl(4) Y 20s 27°30′N 63°00′W

Superbuoy ODAS [Q58] "41044" Y,
Fl(4) Y 20s 21°39′N 58°42′W
(NTM0025/2009)

400 (INT 400) 3Ed. 12/25/93 LAST NM 23/09 24/09
Add Depth 1712 meters "Rep (2009)" 25°31′N 77°24′W
(NTM0035/2008)

400 (INT 400) 3Ed. 12/25/93 LAST NM 24/09 26/09
Add Wreck [K29] 31°24′N 74°07′W
(NTM0028/2009)

400 (INT 400) 3Ed. 12/25/93 LAST NM 26/09 28/09
Add Dashed-line circle with legend "Obstn
(shallow)" 25°58′N 88°03′W

Dashed-line circle with legend "Obstn
(shallow)" 25°49′N 87°33′W

Dashed-line circle with legend "Obstn
(shallow)" 25°41′N 87°03′W

Dashed-line circle with legend "Obstn
(shallow)" 25°29′N 86°34′W

Dashed-line circle with legend "Obstn (deep)"
25°18′N 86°05′W
Dashed-line circle with legend "Obstn (deep)"
26°25′N 87°51′W

Dashed-line circle with legend "Obstn
(shallow)" 26°15′N 87°19′W

Dashed-line circle with legend "Obstn
(shallow)" 26°07′N 86°50′W

Dashed-line circle with legend "Obstn
(shallow)" 25°56′N 86°21′W

Dashed-line circle with legend "Obstn (deep)"
25°44′N 85°52′W
Dashed-line circle with legend "Obstn (deep)"
25°33′N 85°23′W
Dashed-line circle with legend "Obstn (deep)"
26°42′N 87°07′W
Dashed-line circle with legend "Obstn (deep)"
26°33′N 86°37′W

Dashed-line circle with legend "Obstn
(shallow)" 26°23′N 86°09′W

Dashed-line circle with legend "Obstn
(shallow)" 26°11′N 85°39′W

Dashed-line circle with legend "Obstn (deep)"
26°00′N 85°09′W

Legend "SEE NOTE" 26°02′N 86°36′W

Note
"SUBMERGED DATA COLLECTION
MOORINGS
Dashed-line circles labeled "Obstn (shallow)"
or "(deep)" are data collection moorings which
will remain on station until late 2011. The deep
moorings are tethered 100 meters above the
seabed, while the shallow moorings are
tethered 70 meters below the ocean surface.
These moorings have passive data collection
instruments as well as devices which emit
acoustic signals. Caution is advised in the
vicinity of these moorings." 31°54′N 85°00′W
(NTM0004/2009)

400 (INT 400) 3Ed. 12/25/93 LAST NM 28/09 29/09
Add Superbuoy ODAS [Q58] "42060" Y,
Fl(4) Y 20s 16°30′N 63°30′W
(NTM0025/2009)

400 (INT 400) 3Ed. 12/25/93 LAST NM 29/09 33/09
Add Depth 536 meters 32°13′N 77°44′W
Depth 3968 meters 30°11′N 75°51′W
(NTM0022/2009)

★401 (INT 401) 5Ed. 6/15/91 NEW EDITION 33/91
Add Danger circle "Obstr" (PA) 27°52′N 96°32′W
(DMAHTC; 27/91 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 33/91 35/91
Relocate Superbuoy ODAS "41009" close SE to
28°30.0′N 80°10.8′W
(28/91 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 35/91 38/91
Add Dangerous wreck 28°08′N 95°43′W

Danger circles "Obstr" 28°09′N 93°18′W
28°29′N 91°02′W
(34/91 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 38/91 14/92
Add Light Fl 25°46′N 80°08′W
(USCG LL)

401 (INT 401) 5Ed. 6/15/91 LAST NM 14/92 16/92
Add Superbuoy ODAS "41010" Y, Fl(4) Y 20s
28°53.1′N 78°30.0′W
(MCC1180/92)

401 (INT 401) 5Ed. 6/15/91 LAST NM 16/92 31/93
Delete R Bn (AERO) 20°58′N 97°23′W
(9(771)93 Taunton)

401 (INT 401) 5Ed. 6/15/91 LAST NM 31/93 51/93
Add Depth 29 meters enclosed by
depth contour (30-meter) 17°47′N 75°52′W
(33(533)93 Hamburg)

401 (INT 401) 5Ed. 6/15/91 LAST NM 51/93 52/93
Add Danger circle "Obstns (45m rep)" (PA)
28°25.3′N 90°04.7′W
Buoy (Priv maintd) 28°01.2′N 93°59.6′W
Buoy (mooring) 27°15.9′N 96°58.3′W
(44, 45/93 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 52/93 1/94
Add Danger circle "Obstn (36m rep)" (PA) 27°58.3′N 95°55.2′W
(47/93 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 1/94 2/94
Relocate Superbuoy ODAS "42020" close N to 27°13′N 96°30′W
(49/93 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 2/94 4/94
Delete R Bn at light 26°15.6′N 80°05.2′W
24°38.0′N 82°55.2′W
(46/93 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 4/94 5/94
Add Superbuoy ODAS "42036" Y, Fl(4) Y 20s
28°30.0′N 84°30.3′W
(50/93 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 5/94 6/94
Add Wreck (PA) 28°25′N 93°13′W
(50/93 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 6/94 9/94
Add Wreck (PA) 29°05′N 88°58′W
(3/94 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 9/94 10/94
Add Lights, each Q
"S4" 28°55.0′N 84°45.0′W
"S5" 28°40.0′N 84°21.3′W

Buoy "WR" R, QR 29°04.8′N 88°57.5′W
(4/94 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 10/94 12/94
Substitute Stranded wreck (PA) for
wreck (PA) and buoy 29°05′N 88°58′W
(See 9, 10/94-401)
(6/94 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 12/94 28/94
Add Dotted-line circle "Obstn" 28°35′N 92°47′W
(20/94 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 28/94 32/94
Delete R Bn at light 21°52′N 84°57′W

Add Light symbol 22°14′N 83°34′W

Danger circle "Obstn" 28°21′N 91°09′W
28°10′N 91°38′W
(24/94 CG8; 1(18), 2(36)94 Habana)

401 (INT 401) 5Ed. 6/15/91 LAST NM 32/94 36/94
Relocate Superbuoy ODAS "42020"
(27°13′N 96°30′W) to 27°01′N 96°30′W
(See 2/94-401)
(49/93 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 36/94 43/94
Delete Light
"S4" 28°55.0′N 84°45.0′W
"S5" 28°40.0′N 84°21.3′W
(See 10/94-401)
(33/94 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 43/94 46/94
Add Superbuoy ODAS "41018" Y, Fl(4) Y 20s 15°00′N 75°00′W
(35/94 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 46/94 52/94
Add Superbuoy ODAS "41016" Y, Fl(4) Y 20s 24°38′N 76°31′W
(MCC1348/94)

401 (INT 401) 5Ed. 6/15/91 LAST NM 52/94 1/95
Delete R Bn at light 26°04′N 97°10′W
R Bn 27°04′N 80°07′W
(47/94 CG7; 47/94 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 1/95 2/95
Delete R Bn at light 30°22′N 81°25′W
(49/94 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 2/95 5/95
Substitute Depth 275 meters for 335 meters 18°32′N 86°58′W

Add Depth
24 meters 20°55′N 86°36′W
915 meters 18°19′N 87°04′W
(MCC004/95)

401 (INT 401) 5Ed. 6/15/91 LAST NM 5/95 32/95
Relocate Superbuoy ODAS "41006" close NE to 29°20′N 77°19′W
(21/95 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 32/95 43/95
Delete Light symbol 29°51′N 84°42′W
(36/95 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 43/95 45/95
Delete R Bn at light 29°19′N 94°44′W
(USCG LL)

401 (INT 401) 5Ed. 6/15/91 LAST NM 45/95 1/96
Add Depth 36 meters enclosed by
dotted-line circle 18°42′N 84°04′W
(MCC063/95)

401 (INT 401) 5Ed. 6/15/91 LAST NM 1/96 11/96
Add Superbuoy ODAS "42039" Y, Fl(4) Y 20s 28°47′N 86°02′W
(51/95 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 11/96 12/96
Delete R Bn at light 22°03′N 80°24′W
(5(103)95 Habana)

401 (INT 401) 5Ed. 6/15/91 LAST NM 12/96 13/96
Delete Superbuoy ODAS "41018" 15°00′N 75°00′W

Light symbol 29°40′N 85°22′W
Note: R Bn remains
(5/96 CG8; 8/96 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 13/96 17/96
Add Buoy Y, Fl Y 4s 28°50′N 84°51′W
(9/96 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 17/96 36/96
Delete R Bn 29°40′N 85°21′W
(SMEA006/96)

401 (INT 401) 5Ed. 6/15/91 LAST NM 36/96 41/96
Delete R Bn at light 28°54′N 89°25′W
R Bn 28°59′N 89°08′W
29°47′N 93°21′W
29°43′N 93°52′W
(SMEA009/96)

401 (INT 401) 5Ed. 6/15/91 LAST NM 41/96 42/96
Delete R Bn at light 27°50′N 97°03′W
(SMEA009/96)

401 (INT 401) 5Ed. 6/15/91 LAST NM 42/96 46/96
Delete R Bn (AERO) 20°12′N 96°45′W
18°39′N 91°48′W
20°28′N 86°58′W
18°30′N 88°22′W
R Bn 19°09′N 96°08′W
R Bn at light 21°15′N 89°40′W
(GIMM049/96)

401 (INT 401) 5Ed. 6/15/91 LAST NM 46/96 51/96
Delete R Bn at light 27°36′N 82°46′W
(GIMM050/96)

401 (INT 401) 5Ed. 6/15/91 LAST NM 51/96 6/97
Delete R Bn at light 30°14′N 88°01′W
(GIMM002/97)

401 (INT 401) 5Ed. 6/15/91 LAST NM 6/97 14/97
Delete Depths
269 meters 16°13′N 86°50′W
189 meters 16°12′N 87°03′W
212 meters 16°12′N 87°15′W
(GIMM019/97)

401 (INT 401) 5Ed. 6/15/91 LAST NM 14/97 27/97
Delete R Bn (AERO) 25°42′N 79°16′W
(GIMM001/97)

401 (INT 401) 5Ed. 6/15/91 LAST NM 27/97 28/97
Delete R Bn at light 28°28′N 80°33′W
(GIMM002/97)

401 (INT 401) 5Ed. 6/15/91 LAST NM 28/97 29/97
Delete Superbuoy ODAS “41006” 29°20′N 77°19′W
(24/97 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 29/97 30/97
Delete Light symbol 16°07′N 86°53′W
16°24′N 86°23′W
(17(1506)97 Taunton)

401 (INT 401) 5Ed. 6/15/91 LAST NM 30/97 27/98
Add Wreck (PA) 26°13′N 96°25′W
(16/98 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 27/98 35/98
Delete Light symbol 29°20′N 94°45′W
(29/98 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 35/98 45/98
Add Dangerous wreck 27°01′N 97°08′W
Dotted-line circle “Obstn” 28°32′N 92°59′W
(38/98 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 45/98 39/99
Delete R Bn (AERO) 30°27′N 87°11′W
(USCG LL)

401 (INT 401) 5Ed. 6/15/91 LAST NM 39/99 48/99
Add Depth 36 meters Obstn [I10] 29°28′N 88°26′W
(19/99 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 48/99 50/99
Delete Light symbol 26°06′N 80°07′W
(40/99 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 50/99 2/00
Relocate Superbuoy ODAS “42001” from
25°56′N 89°40′W to 25°54′N 89°41′W
(26/99 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 2/00 4/00
Relocate Superbuoy ODAS “42020” from
27°01′N 96°30′W to 26°55′N 96°42′W
(29/99 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 13/00 14/00
Add Superbuoy ODAS “42040” Y, Fl(4) Y 20s
[Q58] 29°12.5′N 88°12.0′W
(42/99 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 14/00 16/00
Delete Light 27°51′N 97°04′W
(49/99 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 16/00 22/00
Delete Light 26°04′N 97°09′W
(50/99 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 22/00 45/00
Relocate Superbuoy ODAS “42019” from
27°55′N 95°00′W to 27°55′N 95°22′W
(26/00 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 45/00 22/01
Add Superbuoy ODAS “42054” Y, Fl(4) Y 20s 26°00′N 87°44′W
(NTM0020/2001)

401 (INT 401) 5Ed. 6/15/91 LAST NM 22/01 24/01
Substitute Depth 16 meters for 19 meters 28°10′N 94°18′W
(NOS)

401 (INT 401) 5Ed. 6/15/91 LAST NM 24/01 35/01
Relocate Superbuoy ODAS “42003” from
25°56′N 85°55′W to 25°24′N 85°58′W
(51/00 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 35/01 42/01
Relocate Superbuoy ODAS “42020” from
26°55′N 96°42′W to 26°57′N 96°42′W
Superbuoy ODAS “42019” from
27°55′N 95°22′W to 27°55′N 95°13′W
(See 45/00-401)
(NTM0020/2001)

401 (INT 401) 5Ed. 6/15/91 LAST NM 42/01 22/02
Delete Superbuoy ODAS “42054” 26°00′N 87°44′W
(See 22/01-401)
(NTM0010/2002)

401 (INT 401) 5Ed. 6/15/91 LAST NM 22/02 23/02
Add Dashed-line circle “Obstn” (PA) 28°44′N 85°09′W
(19/02 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 23/02 26/02
Relocate Superbuoy ODAS “42002” from
25°55′N 93°35′W to 25°11′N 94°25′W
(22/02 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 26/02 31/02
Add Superbuoy ODAS [Q58] “42041” Y,
Fl(4) Y 20s 27°30′N 90°30′W
(NTM0010/2002)

401 (INT 401) 5Ed. 6/15/91 LAST NM 31/02 33/02
Add Light symbol [P1] 22°23′N 89°41′W
(SCT 4/02 Mexico, D.F.; US CH 28221)

401 (INT 401) 5Ed. 6/15/91 LAST NM 33/02 35/02
Add Superbuoy ODAS [Q58] "41012" Y,
Fl(4) Y 20s 30°00′N 80°30′W
(27/02 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 35/02 45/02
Add Light symbol [P1] 20°30′N 86°58′W
(Mex LL; NTM0007/2002)

401 (INT 401) 5Ed. 6/15/91 LAST NM 45/02 14/03
Relocate Superbuoy ODAS "42041" from
27°30′N 90°30′W to 27°30′N 90°28′W
(See 31/02-401)
(NTM0002/2003)

401 (INT 401) 5Ed. 6/15/91 LAST NM 14/03 29/03
Add Dashed-line circle "Obstn" 27°37′N 89°13′W
Dashed-line circle "Obstn" 27°06′N 91°06′W
Dashed-line circle "Obstn" 26°05′N 88°58′W
Dashed-line circle "Obstn" 25°55′N 91°08′W
(23/03 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 29/03 33/03
Relocate Superbuoy ODAS "42003" from
25°24′N 85°58′W to 26°01′N 85°55′W
(NTM0002/2003)

401 (INT 401) 5Ed. 6/15/91 LAST NM 33/03 34/03
Add Wreck [K29] (PA) 28°46′N 92°22′W
(28/03 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 34/03 44/03
Relocate Superbuoy ODAS "42019" from
27°55′N 95°13′W to 27°55′N 95°22′W
(NTM0002/2003)

401 (INT 401) 5Ed. 6/15/91 LAST NM 44/03 6/04
Delete Designation "42001" from superbuoy (ODAS)
25°54′N 89°41′W

Add Superbuoy (ODAS) "42001" Y, Fl(4) Y 20s
25°51′N 89°40′W
(NTM0001/2004)

401 (INT 401) 5Ed. 6/15/91 LAST NM 6/04 19/04
Add Wreck [K29] "Rep (2004)" 25°54′N 79°55′W
(NTM0001/2004)

401 (INT 401) 5Ed. 6/15/91 LAST NM 19/04 21/04
Relocate Superbuoy ODAS "41012" from
30°00′N 80°30′W to 30°03′N 80°33′W
(NTM0036/2003)

401 (INT 401) 5Ed. 6/15/91 LAST NM 21/04 25/04
Add Superbuoy ODAS [Q58] "42038"
Y, Fl(4) Y 20s 27°25′N 92°35′W
(20/04 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 25/04 27/04
Delete Depth 8 meters and enclosing dotted-line circle
16°57′N 83°15′W

Add Depth 26 meters 16°54′N 83°20′W
(NTM0012/2004)

401 (INT 401) 5Ed. 6/15/91 LAST NM 27/04 36/04
Delete Dashed-line circle "Obstn" 27°37′N 89°13′W
Dashed-line circle "Obstn" 27°06′N 91°06′W
Dashed-line circle "Obstn" 26°05′N 88°58′W
Dashed-line circle "Obstn" 25°55′N 91°08′W
(26/04 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 36/04 37/04
Add Dashed-line circle "Obstn" 26°02′N 96°15′W
Dashed-line circle "Obstn" 26°03′N 95°57′W
Dashed-line circle "Obstn" 26°03′N 95°35′W
Dashed-line circle "Obstn" 26°02′N 94°06′W
Dashed-line circle "Obstn" 26°37′N 96°17′W
Dashed-line circle "Obstn" 26°38′N 95°33′W
Dashed-line circle "Obstn" 26°30′N 94°49′W
Dashed-line circle "Obstn" 26°37′N 93°56′W
Dashed-line circle "Obstn" 27°08′N 96°08′W
Dashed-line circle "Obstn" 27°13′N 95°31′W
Dashed-line circle "Obstn" 26°55′N 94°43′W
Dashed-line circle "Obstn" 27°25′N 94°40′W
Dashed-line circle "Obstn" 27°10′N 93°54′W
(27/04 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 37/04 38/04
Add Wreck [K29] (PA) 24°53′N 83°04′W
(NOS)

401 (INT 401) 5Ed. 6/15/91 LAST NM 38/04 49/04
Relocate Superbuoy ODAS "42040" from
29°12′N 88°12′W to 29°11′N 88°13′W
(NTM0036/2003)

401 (INT 401) 5Ed. 6/15/91 LAST NM 49/04 9/05
Add Dashed-line circle "Obstn" 26°29′N 95°22′W
(5/05 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 9/05 23/05
Add Superbuoy ODAS [Q58] "42055" Y,
Fl(4) Y 20s 22°01′N 94°03′W
Superbuoy ODAS [Q58] "42056" Y,
Fl(4) Y 20s 19°52′N 85°04′W
(NTM0006/2005)

401 (INT 401) 5Ed. 6/15/91 LAST NM 23/05 26/05
Add Depth 1116 meters "Rep (2005)" 27°26′N 76°35′W
(NTM0024/2005)

401 (INT 401) 5Ed. 6/15/91 LAST NM 26/05 27/05
Delete Superbuoy ODAS "42041" 27°30′N 90°28′W
(13/05 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 27/05 35/05
Relocate Superbuoy ODAS "42039" from
28°47′N 86°02′W to 28°48′N 86°01′W
(23/05 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 35/05 36/05
Add Dashed-line circle "Obstn" 27°56′N 91°54′W
Dashed-line circle "Obstn" 27°57′N 92°21′W
(24/05 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 36/05 43/05
Delete Superbuoy ODAS 25°54′N 89°41′W

Relocate Superbuoy ODAS "42001" from
25°51′N 89°40′W to 25°54′N 89°40′W
(NTM0032/2005)

401 (INT 401) 5Ed. 6/15/91 LAST NM 43/05 48/05
Add Depth 17 meters "Rep (2005)" 21°55′N 91°49′W
(NTM0004/2005)

401 (INT 401) 5Ed. 6/15/91 LAST NM 48/05 4/06
Add Light symbol [P1] 21°11′N 86°48′W
(10(Sec 3)05 Mexico, D.F.)

401 (INT 401) 5Ed. 6/15/91 LAST NM 4/06 13/06
Delete Superbuoy ODAS "42003" 26°01′N 85°55′W

Add Superbuoy ODAS "42003" Y (inverted) 25°59′N 85°50′W
(NOS)

401 (INT 401) 5Ed. 6/15/91 LAST NM 13/06 14/06
Delete Superbuoy ODAS "42003" 25°59′N 85°50′W
(See 13/06-401)

Add Superbuoy ODAS "42003" Y, Fl(4) Y 20s 26°04′N 85°57′W
(NTM0003/2006)

401 (INT 401) 5Ed. 6/15/91 LAST NM 14/06 21/06
Add Superbuoy ODAS [Q58] "42408" Or W, Fl(4) Y 20s 25°25′N 86°48′W
(18/06 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 21/06 25/06
Add Superbuoy ODAS "42070" Or W, Fl(4) Y 20s [Q58] 28°33′N 88°10′W
(22/06 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 25/06 28/06
Add Depth 390 meters 23°07′N 79°16′W
(NTM0007/2005)

401 (INT 401) 5Ed. 6/15/91 LAST NM 28/06 42/06
Add Depth 9 meters Wk [K26] 16°21.0′N 80°20.5′W
(33(3834)05 Taunton)

401 (INT 401) 5Ed. 6/15/91 LAST NM 42/06 50/06
Add Depth 7 meters Obstn [K41] "Rep (2006)" 16°28.5′N 81°21.8′W
Depth 7 meters Obstn [K41] "Rep (2006)" 16°23.0′N 81°18.5′W
(43(4946)06 Taunton)

401 (INT 401) 5Ed. 6/15/91 LAST NM 50/06 17/08
Delete Superbuoy ODAS "42070" 28°33′N 88°10′W
(13/08 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 17/08 25/08
Relocate Superbuoy ODAS "41010" from 28°53.1′N 78°30.0′W to 28°54.4′N 78°28.3′W
(22/08 CG7)

401 (INT 401) 5Ed. 6/15/91 LAST NM 25/08 1/09
Relocate Superbuoy ODAS "42003" from 26°04′N 85°57′W to 25°58′N 85°36′W
(50/08 CG8)

401 (INT 401) 5Ed. 6/15/91 LAST NM 1/09 16/09
Add Depth 733 meters 27°31′N 94°04′W
(NTM0019/2009)

401 (INT 401) 5Ed. 6/15/91 LAST NM 16/09 24/09
Add Depth 1712 meters "Rep (2009)" 25°31′N 77°24′W
(NTM0035/2008)

401 (INT 401) 5Ed. 6/15/91 LAST NM 24/09 28/09
Add Dashed-line circle with legend "Obstn (shallow)" 25°58′N 88°03′W

Dashed-line circle with legend "Obstn (shallow)" 25°49′N 87°33′W

Dashed-line circle with legend "Obstn (shallow)" 25°41′N 87°03′W

Dashed-line circle with legend "Obstn (shallow)" 25°29′N 86°34′W

Dashed-line circle with legend "Obstn (deep)" 25°18′N 86°05′W
Dashed-line circle with legend "Obstn (deep)" 26°25′N 87°51′W

Dashed-line circle with legend "Obstn (shallow)" 26°15′N 87°19′W

Dashed-line circle with legend "Obstn (shallow)" 26°07′N 86°50′W

Dashed-line circle with legend "Obstn (shallow)" 25°56′N 86°21′W

Dashed-line circle with legend "Obstn (deep)" 25°44′N 85°52′W
Dashed-line circle with legend "Obstn (deep)" 25°33′N 85°23′W
Dashed-line circle with legend "Obstn (deep)" 26°42′N 87°07′W
Dashed-line circle with legend "Obstn (deep)" 26°33′N 86°37′W

Dashed-line circle with legend "Obstn (shallow)" 26°23′N 86°09′W

Dashed-line circle with legend "Obstn (shallow)" 26°11′N 85°39′W

Dashed-line circle with legend "Obstn (deep)" 26°00′N 85°09′W

Legend "SEE NOTE" 26°02′N 86°36′W

Note
"SUBMERGED DATA COLLECTION MOORINGS
Dashed-line circles labeled "Obstn (shallow)" or "(deep)" are data collection moorings which will remain on station until late 2011. The deep moorings are tethered 100 meters above the seabed, while the shallow moorings are tethered 70 meters below the ocean surface. These moorings have passive data collection instruments as well as devices which emit acoustic signals. Caution is advised in the vicinity of these moorings." 20°33′N 88°43′W
(NTM0004/2009)

401 (INT 401) 5Ed. 6/15/91 LAST NM 28/09 33/09
Add Depth 3968 meters 30°11′N 75°51′W
(NTM0022/2009)

★**402** (INT 402) 4Ed. 5/25/85 NEW EDITION 32/85
(DMAHTC)

402 (INT 402) 4Ed. 5/25/85 LAST NM 32/85 39/85
Substitute Depths
22 meters for 9 meters 17°52′N 77°59′W
18 meters for 17 meters 17°59′N 78°04′W
(46(2296, 2297)75 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 39/85 42/85
Add Depth 287 meters "Rep (1985)" 20°45.5′N 73°24.5′W
Light symbol 12°16.0′N 71°58.0′W

R Bn (AERO) 12°14.0′N 72°00.0′W
(HNNM7588/85; 35(2309)85 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 42/85 46/85
Delete Depths
60 meters 16°34′N 61°54′W
73 meters 16°30′N 62°04′W
(HNNM7469/85, 7601/85)

402 (INT 402) 4Ed. 5/25/85 LAST NM 46/85 9/86
Delete Depth 9 meters 15°21′N 81°11′W
(HNNM7693/86)

402 (INT 402) 4Ed. 5/25/85 LAST NM 9/86 10/86
Delete Depths
28 meters 17°20′N 77°56′W
14 meters 13°53′N 78°18′W
11 meters 15°58′N 81°01′W
6 meters 13°34′N 81°48′W
13 meters 16°27′N 82°15′W
(HNNM7695/86)

402 (INT 402) 4Ed. 5/25/85 LAST NM 10/86 12/86
Delete Depth 12 meters 14°35′N 60°46′W

Add Depth 15 meters 14°34′N 60°46′W
(2(176)86 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 12/86 14/86
Delete Depth 7 meters 18°29′N 84°10′W

Add Depth 29 meters "Rep (1985)" 15°59′N 81°01′W
Depth 152 meters 15°41′N 61°29′W
(1(99), 2(177)86 Taunton; HNNM7729/86)

402 (INT 402) 4Ed. 5/25/85 LAST NM 14/86 18/86
Add Depth 4 meters enclosed by danger circle (ED) 17°35′N 63°35′W
(5(97)86 's-Gravenhage)

402 (INT 402) 4Ed. 5/25/85 LAST NM 18/86 45/86
Add Depth 30 meters "Rep (1986)" (PA) 18°48.6′N 83°15.2′W
(14(1454)86 Hamburg)

402 (INT 402) 4Ed. 5/25/85 LAST NM 45/86 52/86
Substitute Depth 21 meters for 31 meters 18°48.0′N 83°18.4′W
(42(3092)86 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 52/86 1/87
Delete R Bn (AERO) 11°12′N 68°24′W
(39(2855)86 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 1/87 15/87
Delete Depth 46 meters 22°07′N 74°23′W
(MCNM7932/87)

402 (INT 402) 4Ed. 5/25/85 LAST NM 15/87 21/87
Add Depths
159 meters 18°21.5′N 83°44.0′W
21 meters 18°21.9′N 84°14.6′W
28 meters 18°48.7′N 83°14.9′W
(MCNM7936/87)

402 (INT 402) 4Ed. 5/25/85 LAST NM 21/87 35/87
Delete Depth 31 meters 14°10′N 60°50′W
(6(81)87 Brest)

402 (INT 402) 4Ed. 5/25/85 LAST NM 35/87 49/87
Delete Depth 18 meters 14°30′N 80°25′W
(MCNM8020/87)

402 (INT 402) 4Ed. 5/25/85 LAST NM 49/87 9/88
Add Rock awash 22°00′N 76°09′W
(MCNM8057/88)

402 (INT 402) 4Ed. 5/25/85 LAST NM 9/88 24/88
Delete R Bn (AERO) at light 17°24′N 83°56′W
(9(756)88 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 24/88 32/88
Substitute Depth 389 meters for 438 meters 20°50′N 74°01′W
(MCNM8123/88)

402 (INT 402) 4Ed. 5/25/85 LAST NM 32/88 33/88
Add Depth 12 meters "Rep (1988)" (PA) 18°47′N 83°51′W
(20(1558)88 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 33/88 43/88
Add Depths
24 meters 17°12.9′N 75°25.0′W
56 meters 17°15.3′N 75°24.5′W
(MCNM8078/88)

402 (INT 402) 4Ed. 5/25/85 LAST NM 43/88 48/88
Delete Depths
49 meters 17°00′N 82°17′W
25 meters 18°37′N 83°12′W
31 meters 18°37′N 83°08′W
23 meters 18°35′N 83°23′W
33 meters 18°33′N 83°47′W
7 meters 18°28′N 83°51′W
40 meters 18°29′N 84°17′W
31 meters 18°25′N 84°10′W
18 meters 18°44′N 84°07′W
(MCNM8169/88)

402 (INT 402) 4Ed. 5/25/85 LAST NM 48/88 50/88
Delete Depths
112 meters 17°26′N 71°44′W
43 meters 16°50′N 61°40′W
37 meters 16°45′N 61°41′W
35 meters 16°38′N 61°34′W
44 meters 16°39′N 61°31′W
24 meters 16°34′N 61°36′W
(MCNM8169/88)

402 (INT 402) 4Ed. 5/25/85 LAST NM 50/88 11/89
Add Depth 25 meters "Rep (1987)" 20°14.9′N 69°14.4′W
(MCNM1030/89)

402 (INT 402) 4Ed. 5/25/85 LAST NM 11/89 38/89
Delete Depth 108 meters 21°48′N 76°18′W

Add Depth 16 meters enclosed by
danger circle 21°50′N 76°19′W
(MCNM1102/89)

402 (INT 402) 4Ed. 5/25/85 LAST NM 38/89 23/90
Add Depth 18 meters 18°47.0′N 83°14.0′W
(25(58)89 Brest)

402 (INT 402) 4Ed. 5/25/85 LAST NM 23/90 51/90
Delete Depths
75 meters 18°51′N 68°24′W
60 meters 18°52′N 68°14′W
9 meters 18°29′N 68°19′W
22 meters "Rep (1979)" (PA) 18°33′N 68°07′W
(MCNM1058/90)

402 (INT 402) 4Ed. 5/25/85 LAST NM 51/90 34/91
Add Depth 153 meters "Rep (1991)" 18°20.0′N 67°45.0′W
(25(1829)91 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 34/91 7/92
Add Depths
161 meters "Rep (1978)" (PA) 12°58′N 59°34′W
77 meters "Rep (1975)" 12°55′N 59°36′W
(MCC1168/92; 1(107)79 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 7/92 24/93
Substitute Depth 204 meters for 293 meters 13°46′N 81°18′W

Add Depth 835 meters 13°28′N 81°00′W
(Col CH 004)

★**402** (INT 402) 4Ed. 5/25/85 LAST NM 24/93 49/93
Delete Dangerous wreck 18°33.3′N 75°38.0′W

Add Dangerous wreck 18°33.3′N 75°45.4′W
(39(511)93 's-Gravenhage)

402 (INT 402) 4Ed. 5/25/85 LAST NM 49/93 51/93
Add Depth 29 meters enclosed by
depth contour (30-meter) 17°47′N 75°52′W
(33(533)93 Hamburg)

402 (INT 402) 4Ed. 5/25/85 LAST NM 51/93 32/94
Delete R Bn at light 21°52′N 84°57′W

Add Light symbol 22°14′N 83°34′W
(1(18), 2(36)94 Habana)

402 (INT 402) 4Ed. 5/25/85 LAST NM 32/94 46/94
Add Superbuoy ODAS "41018" Y, Fl(4) Y 20s 15°00′N 75°00′W
(35/94 CG7)

402 (INT 402) 4Ed. 5/25/85 LAST NM 46/94 12/96
Delete R Bn at light 22°03′N 80°26′W
(5(103)95 Habana)

402 (INT 402) 4Ed. 5/25/85 LAST NM 12/96 13/96
Delete Superbuoy ODAS "41018" 15°00′N 75°00′W
(8/96 CG7)

402 (INT 402) 4Ed. 5/25/85 LAST NM 13/96 42/96
Delete R Bn (AERO) 12°13′N 69°04′W
(BA RA)

402 (INT 402) 4Ed. 5/25/85 LAST NM 42/96 45/96
Delete Light 18°24′N 75°00′W

Add Light symbol 10°45′N 62°43′W
(37/96 CG7; 28/96 Caracas)

402 (INT 402) 4Ed. 5/25/85 LAST NM 45/96 23/97
Delete R Bn (AERO) at light 22°41′N 78°53′W
(9(222)96 Habana)

402 (INT 402) 4Ed. 5/25/85 LAST NM 23/97 49/98
Delete R Bn (AERO) 16°16′N 61°32′W
(BA RA)

402 (INT 402) 4Ed. 5/25/85 LAST NM 49/98 7/01
Delete Light 12°37′N 70°03′W
Light 11°59′N 68°39′W
Light 12°25′N 69°52′W
(42(482)00 's-Gravenhage)

402 (INT 402) 4Ed. 5/25/85 LAST NM 7/01 27/04
Delete Depth 8 meters and enclosing dotted-line circle
16°58′N 83°15′W

Add Depth 26 meters 16°54′N 83°20′W
(NTM0012/2004)

402 (INT 402) 4Ed. 5/25/85 LAST NM 27/04 28/06
Add Depth 390 meters 23°07′N 79°16′W
(NTM0007/2005)

402 (INT 402) 4Ed. 5/25/85 LAST NM 28/06 42/06
Add Depth 9 meters Wk [K26] 16°21.0′N 80°20.5′W
(33(3834)05 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 42/06 50/06
Add Depth 7 meters Obstn [K41] "Rep (2006)"
16°29′N 81°22′W
Depth 7 meters Obstn [K41] "Rep (2006)"
16°23′N 81°19′W
(43(4946)06 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 50/06 8/07
Delete Depth 13 meters 20°09.0′N 68°50.0′W

Add Depth 8 meters 20°07.5′N 68°51.0′W

Depth 63 meters, blue tint and enclosing
dotted-line circle 20°02.8′N 69°21.7′W
(46(5388)05 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 8/07 9/07
Add Light symbol [P1] 12°25′N 69°52′W
(12(1538)05 Taunton)

402 (INT 402) 4Ed. 5/25/85 LAST NM 9/07 4/08
Add Light symbol [P1] 10°28′N 64°10′W
(42/07 Caracas)

402 (INT 402) 4Ed. 5/25/85 LAST NM 4/08 42/08
Add Light symbol [P1] 14°09′N 81°10′W
(29/08 Bogota)

402 (INT 402) 4Ed. 5/25/85 LAST NM 42/08 44/08
Add Depth 351 meters 12°44′N 59°24′W
Depth 1392 meters 12°11′N 60°42′W
Depth 1370 meters 12°30′N 60°04′W
Depth 1050 meters 10°56′N 59°42′W
Depth 1479 meters 11°24′N 59°25′W
Depth 1045 meters 11°32′N 60°16′W
Depth 707 meters 11°18′N 60°14′W
Depth 950 meters 11°44′N 60°12′W
Depth 449 meters 10°01′N 59°23′W
Depth 450 meters 12°44′N 60°56′W
(19(37)06 Brest)

402 (INT 402) 4Ed. 5/25/85 LAST NM 44/08 4/09
Add Light symbol [P1] 10°05.5′N 65°10.8′W
(51/08 Caracas)

402 (INT 402) 4Ed. 5/25/85 LAST NM 4/09 16/09
Add Light symbol [P1] 9°34.8′N 71°03.9′W
(1/09 Caracas)

★**402** (INT 402) 4Ed. 5/25/85 LAST NM 16/09 23/09
Add Superbuoy ODAS [Q58] "41044" Y,
Fl(4) Y 20s 21°39′N 58°42′W
(NTM0025/2009)

402 (INT 402) 4Ed. 5/25/85 LAST NM 23/09 29/09
Add Superbuoy ODAS [Q58] "42060" Y,
Fl(4) Y 20s 16°30′N 63°30′W
(NTM0025/2009)

★**411** 52Ed. 9/07 NEW EDITION 49/07
(NOS)

411 52Ed. 9/07 LAST NM 49/07 50/07
Delete Light 30°03′N 88°53′W
(44/07 CG8)

411 52Ed. 9/07 LAST NM 50/07 9/08
Add Dashed-line circle with legend
"Obstn (unexploded torpedo)" 28°32′N 88°17′W
(NOS)

411 52Ed. 9/07 LAST NM 9/08 13/08
Delete Obstruction (rep 26fms) and buoy 28°54′N 89°01′W
(10/08 CG8)

411 52Ed. 9/07 LAST NM 13/08 14/08
Add Submarine cable [L30.1] between 20°37′N 87°03′W
20°33′N 86°55′W
(1(6)08 Mexico D.F.)

411 52Ed. 9/07 LAST NM 14/08 17/08
Delete Superbuoy ODAS "42070" 28°33′N 88°10′W
(13/08 CG8)

411 52Ed. 9/07 LAST NM 17/08 19/08
Change Light to Fl 10s 122ft 12M HORN RACON
(– • –) 28°54′N 89°26′W

Add Wreck [K29] (PA) 29°03′N 86°41′W
(16/08 CG8)

411 52Ed. 9/07 LAST NM 19/08 42/08
Add Dashed-line circle "Obstn" (PA) 28°01.5′N 92°41.5′W
Dashed-line circle "Obstn" (PA) 28°02.9′N 92°36.9′W
Dashed-line circle "Obstn" (PA) 27°56.5′N 91°43.7′W
Dashed-line circle "Obstn" (PA) 27°59.6′N 91°39.6′W
(39/08 CG8; NTM0005/2007)

411 52Ed. 9/07 LAST NM 42/08 1/09
Relocate Superbuoy ODAS "42003" from
26°04′N 85°57′W to 25°58′N 85°36′W
(50/08 CG8)

411 52Ed. 9/07 LAST NM 1/09 3/09
Add Buoy Y (wavemeter) 22°26′N 97°42′W
Buoy Y (wavemeter) 18°14′N 94°26′W
Buoy Y (wavemeter) 18°35′N 93°17′W
Buoy Y (wavemeter) 19°39′N 91°08′W
(10(185, 189-191)08 Mexico, D.F.)

411 52Ed. 9/07 LAST NM 3/09 4/09
Change Characteristic of superbuoy ODAS "41013" to
Fl(4) Y 20s 33°26.2′N 77°44.5′W
(43/08 CG5)

411 52Ed. 9/07 LAST NM 4/09 5/09
Change Visibility (range) of light to 10M 25°57′N 97°09′W

Add Buoy 19°38′N 91°10′W
Buoy 18°47′N 92°57′W
Buoy 25°17′N 97°08′W
(9(131, 133, 138, IV)08 Mexico, D.F.)

411 52Ed. 9/07 LAST NM 5/09 8/09
Add Buoy Y, Fl 2s 23°52′N 97°22′W
Buoy (research buoy) 19°30′N 95°00′W
Buoy (research buoy) 19°17′N 92°29′W
(1(30, VI)09 Mexico, D.F.)

411 52Ed. 9/07 LAST NM 8/09 10/09
Delete Superbuoy ODAS "42054" 26°00′N 87°44′W

(continued on next page)

411 (Continued) 10/09
Superbuoy ODAS "42408" 25°25′N 86°48′W

Relocate Superbuoy ODAS "42002" from
25°11′N 94°24′W to 25°47′N 93°40′W

Add Superbuoy ODAS "42409" RW, Fl(4) Y 20s
26°39′N 85°48′W
(6/09 CG8)

411 52Ed. 9/07 LAST NM 10/09 14/09
Change Buoy to spherical, Fl Y (wavemeter) 18°47′N 92°57′W
(See 5/09-411)
(4(V)07 Mexico, D.F.)

411 52Ed. 9/07 LAST NM 14/09 16/09
Add Depth 400 fathoms 27°31′N 94°04′W
(NTM0019/2009)

411 52Ed. 9/07 LAST NM 16/09 24/09
Add Depth 936 fathoms "Rep (2009)" 25°30.5′N 77°23.6′W
(NTM0035/2008)

411 52Ed. 9/07 LAST NM 24/09 25/09
Add Buoy Y, Fl Y 2.5s (Priv) 26°42′N 90°28′W
(21/09 CG8)

411 52Ed. 9/07 LAST NM 25/09 28/09
Add Dashed-line circle with legend "Subm buoy
(shallow)" 25°58′N 88°03′W

Dashed-line circle with legend "Subm buoy
(shallow)" 25°49′N 87°33′W

Dashed-line circle with legend "Subm buoy
(shallow)" 25°41′N 87°03′W

Dashed-line circle with legend "Subm buoy
(shallow)" 25°29′N 86°34′W

Dashed-line circle with legend "Subm buoy
(deep)" 25°18′N 86°05′W

Dashed-line circle with legend "Subm buoy
(deep)" 26°25′N 87°51′W

Dashed-line circle with legend "Subm buoy
(shallow)" 26°15′N 87°19′W

Dashed-line circle with legend "Subm buoy
(shallow)" 26°07′N 86°50′W

Dashed-line circle with legend "Subm buoy
(shallow)" 25°56′N 86°21′W

Dashed-line circle with legend "Subm buoy
(deep)" 25°44′N 85°52′W

Dashed-line circle with legend "Subm buoy
(deep)" 25°33′N 85°23′W

Dashed-line circle with legend "Subm buoy
(deep)" 26°42′N 87°08′W

Dashed-line circle with legend "Subm buoy
(deep)" 26°33′N 86°37′W

Dashed-line circle with legend "Subm buoy
(shallow)" 26°23′N 86°09′W

Dashed-line circle with legend "Subm buoy
(shallow)" 26°11′N 85°39′W

Dashed-line circle with legend "Subm buoy
(deep)" 26°00′N 85°09′W

Legend "(see note)" 26°02′N 86°36′W

Note
"SUBMERGED DATA COLLECTION
MOORINGS
Dashed-line circles labeled "Subm buoy
(shallow)" or "(deep)" are data collection
moorings which will remain on station until
late 2011. The deep moorings are tethered 53
fathoms above the seabed, while the shallow
moorings are tethered 37 fathoms below the
ocean surface. These moorings have passive
data collection instruments as well as devices
which emit acoustic signals. Caution is advised
in the vicinity of these moorings." 28°04′N 81°34′W
(NTM0004/2009)

411 52Ed. 9/07 LAST NM 28/09 32/09
Delete HORN from light 28°54′N 89°26′W
(28/09 CG8)

411 52Ed. 9/07 LAST NM 32/09 33/09
Add Depth 293 fathoms 32°13′N 77°44′W
(NTM0022/2009)

★**500** (INT 810) 8Ed. 6/03 NEW EDITION 32/03
(NOS)

500 (INT 810) 8Ed. 6/03 LAST NM 32/03 34/03
Relocate Superbuoy ODAS "46066" from
52°38′N 155°00′W to 53°15′N 155°09′W

Add Superbuoy ODAS [Q58] "46061" Y,
Fl(4) Y 20s 60°13′N 145°49′W
Superbuoy ODAS [Q58] "46080" Y,
Fl(4) Y 20s 58°00′N 150°00′W
Superbuoy ODAS [Q58] "46082" Y,
Fl(4) Y 20s 59°37′N 143°40′W
Superbuoy ODAS [Q58] "46084" Y,
Fl(4) Y 20s 56°35′N 136°10′W
(26/03 CG17)

500 (INT 810) 8Ed. 6/03 LAST NM 34/03 41/03
Delete Superbuoy ODAS "46061" 60°13′N 145°49′W
(See 34/03-500)

Add Superbuoy ODAS [Q58] "46061" Y,
Fl(4) Y 20s 60°13′N 146°49′W
(NTM0022/2003)

500 (INT 810) 8Ed. 6/03 LAST NM 41/03 44/04
Relocate Superbuoy ODAS "46066" from
53°15′N 155°09′W to 52°42′N 155°01′W
(34/04 CG17)

500 (INT 810) 8Ed. 6/03 LAST NM 44/04 10/06
Add Danger circle [K1] "Subm buoy (cov 20m)"
50°02′N 144°56′W

Dashed line circle with legend "Subm buoy
(cov 200m)" 49°58′N 145°02′W
(NTM0010/2006)

500 (INT 810) 8Ed. 6/03 LAST NM 10/06 38/07
Relocate Superbuoy ODAS "46145" from
54°23.0′N 132°27.0′W to 54°22.0′N 132°24.9′W
(2(3802)07 Ottawa)

500 (INT 810) 8Ed. 6/03 LAST NM 38/07 3/08
Delete Depth 15 meters 53°19′N 135°40′W

Add Depth 25 meters 53°18′N 135°39′W
(NOS)

500 (INT 810) 8Ed. 6/03 LAST NM 3/08 19/08
Add Superbuoy ODAS [Q58] "46085" Y,
Fl(4) Y 20s 55°51′N 142°33′W
(19/07 CG17)

500 (INT 810) 8Ed. 6/03 LAST NM 19/08 20/08
Add Superbuoy ODAS [Q58] "46076" Y,
Fl(4) Y 20s (Priv) (PA) 59°30′N 148°00′W
(36/06 CG17)

★**500** (INT 810) 8Ed. 6/03 LAST NM 20/08 27/08
Add Superbuoy ODAS [Q58] "46409" Y,
Fl(4) Y 20s (Priv) (PA) 55°18′N 148°30′W
Superbuoy ODAS [Q58] "46410" Y,
Fl(4) Y 20s (Priv) (PA) 57°30′N 144°00′W
(37/06 CG17)

500 (INT 810) 8Ed. 6/03 LAST NM 27/08 28/08
Add Superbuoy ODAS [Q58] "46402" Y,
Fl(4) Y 20s (PA) 51°04′N 164°00′W
Superbuoy ODAS [Q58] "46077" Y,
Fl(4) Y 20s (Priv) (PA) 57°55′N 154°15′W
(28, 34/06 CG17)

500 (INT 810) 8Ed. 6/03 LAST NM 28/08 37/08
Substitute Wreck [K29] (PD) for dangerous wreck (PD)
57°40.0′N 159°10.0′W
(NOS)

500 (INT 810) 8Ed. 6/03 LAST NM 37/08 40/08
Add Superbuoy ODAS [Q58] "46105" Y,
Fl(4) Y 20s (Priv) (PA) 59°03′N 152°14′W
(38/08 CG17)

500 (INT 810) 8Ed. 6/03 LAST NM 40/08 43/08
Add Superbuoy DART [Q26] "46403" RW,
Fl(4) Y 20s (Priv) (PA) 52°39′N 156°56′W
(40/08 CG17)

500 (INT 810) 8Ed. 6/03 LAST NM 43/08 26/09
Add Depth 823 meters enclosed by dashed-line
circle "Rep (2009)" 54°24′N 134°24′W
(NTM0005/2009)

500 (INT 810) 8Ed. 6/03 LAST NM 26/09 32/09
Relocate Superbuoy ODAS "46066" from
52°42′N 155°01′W to 52°44′N 154°58′W
(27/09 CG17)

★**501** (INT 801) 12Ed. 11/02 NEW EDITION 9/03
Change Legend to "Subm buoys (cov 698m rep)" (PA)
32°06′N 126°54′W
(Previously published 6/03)

Add Dashed-line circle with legend
"Obstn (cov 486m)" 33°02′N 121°00′W
(Previously published 6/03)
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 9/03 10/03
Delete Superbuoy ODAS "46011" 34°53′N 120°52′W
(4/03 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 10/03 18/03
Relocate Superbuoy ODAS "46005" from
46°06′N 131°00′W to 46°03′N 131°01′W

Add Buoy Fl Y 4s (Priv) (PD 42°54′N 130°54′W
Buoy Fl Y 4s (Priv) (PD) 45°52′N 128°46′W
(5/03 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 18/03 21/03
Add Superbuoy ODAS [Q58] "46011" Y,
Fl(4) Y 20s (PA) 34°53′N 120°52′W
(See 10/03-501)
(14/03 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 21/03 22/03
Delete Legend "Strobe" 46°11′N 124°11′W
(9/03 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 22/03 24/03
Delete R Bn at light 49°23′N 126°33′W
(Can LL)

501 (INT 801) 12Ed. 11/02 LAST NM 24/03 40/03
Relocate Superbuoy ODAS "46012" from
37°27′N 122°42′W to 37°22′N 122°53′W
(35/03 CG11)

★**501** (INT 801) 12Ed. 11/02 LAST NM 24/03 41/03
Relocate Superbuoy ODAS "46006" from
40°56′N 137°29′W to 40°48′N 137°29′W

Add Buoy Fl Y 4s (PD) 45°31′N 127°36′W
(30/03 CG11; 30/03 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 41/03 4/04
Relocate Superbuoy ODAS "46059" from
37°58′N 129°59′W to 38°00′N 129°57′W
(46/03 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 4/04 6/04
Add Wreck [K29] 48°14′N 125°53′W
(48/03 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 6/04 11/04
Add Superbuoy ODAS [Q58] "46069" Y,
Fl(4) Y 20s 33°39′N 120°12′W
(52/03 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 11/04 19/04
Delete Buoy 32°38′N 117°27′W
(NTM0002/2004)

501 (INT 801) 12Ed. 11/02 LAST NM 19/04 35/04
Relocate Superbuoy ODAS "46002" from
42°31′N 130°19′W to 42°35′N 130°22′W
(27/04 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 35/04 50/04
Add Danger circle [K40] "Subm buoys" 47°27′N 125°08′W
(42/04 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 50/04 1/05
Delete Superbuoy ODAS "46062" 35°06′N 121°01′W
(47/04 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 1/05 8/05
Add Superbuoy ODAS [Q58] "46089" Y,
Fl(4) Y 20s 45°53′N 125°46′W
(46/04 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 8/05 15/05
Add Submarine cable [L30.1] between 34°21′N 120°16′W
34°28′N 120°03′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 15/05 19/05
Add Wreck [K29] (PA) 33°27′N 119°47′W
(NTM0006/2005)

501 (INT 801) 12Ed. 11/02 LAST NM 19/05 51/05
Add Depth 15 meters 53°19′N 135°40′W
(NTM0012/2005)

501 (INT 801) 12Ed. 11/02 LAST NM 51/05 2/06
Relocate Superbuoy ODAS "46015" from
42°48′N 124°49′W to 42°45′N 124°51′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 2/06 5/06
Delete Light symbol 43°20′N 124°23′W
(1/06 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 5/06 10/06
Add Legend to "Obstns (cov 454m)" 32°06′N 126°54′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 10/06 18/06
Substitute Depth 190 meters for 296 meters 33°00′N 119°33′W

Add Depth 62 meters 32°39′N 117°58′W
Depth 89 meters 32°05′N 118°10′W
(NTM0023/2006)

501 (INT 801) 12Ed. 11/02 LAST NM 18/06 24/06
Add Wreck [K29] 33°33′N 118°32′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 24/06 31/06
Relocate Superbuoy ODAS "46022" from
40°44′N 124°32′W to 40°47′N 124°33′W
(3/06 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 31/06 47/06
Relocate Superbuoy ODAS "46005" from
46°03′N 131°01′W to 46°01′N 130°58′W

Change Legend "Obstns (cov 454m)" to "Obstn (cov
713m)" 32°06′N 126°54′W
(Supersedes 10/06-501)

Add Dashed-line circle with legend "Subm buoy
(cov 1364m)" 36°18′N 122°24′W

Dashed-line circle with legend "Obstn (cov
454m)" 32°06′N 126°55′W
(49/01 CG11; 15/06 CG13; NTM0010/2006)

501 (INT 801) 12Ed. 11/02 LAST NM 47/06 8/07
Add Superbuoy ODAS [Q58] "46419" Y,
Fl(4) Y 20s 48°29′N 129°22′W
(34/06 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 8/07 11/07
Delete Danger circle "Obstn" 37°28′N 122°49′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 11/07 12/07
Relocate Superbuoy ODAS "46012" from
37°24′N 122°43′W to 37°21′N 122°53′W
(4/07 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 12/07 19/07
Add Superbuoy ODAS [Q58] "46411" Y,
Fl (4) Y 20s 39°20′N 127°00′W
Superbuoy ODAS [Q58] "46412" Y,
Fl (4) Y 20s 32°15′N 120°42′W
(12/07 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 19/07 32/07
Delete Legend "DIXON ENTRANCE" in vicinity
38°22′N 128°49′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 32/07 34/07
Relocate Superbuoy ODAS "46015" from
42°45′N 124°51′W to 42°45′N 124°50′W

Add Superbuoy ODAS [Q58] "46013" Y,
Fl(4) Y 20s 38°14′N 123°19′W
(26/07 CG11; 23/07 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 34/07 38/07
Relocate Superbuoy ODAS "46145" from
54°23′N 132°27′W to 54°22′N 132°25′W
(2(3802)07 Ottawa)

★**501** (INT 801) 12Ed. 11/02 LAST NM 38/07 46/07
Relocate Superbuoy ODAS "46006" from
40°48′N 137°29′W to 40°53′N 137°27′W
(33/07 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 46/07 3/08
Delete Depth 15 meters 53°19′N 135°40′W

Add Depth 25 meters 53°18′N 135°39′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 3/08 26/08
Relocate Superbuoy ODAS "46025" from
33°45′N 119°05′W to 33°44′N 119°03′W
and delete legend "PA"
(16/08 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 26/08 30/08
Relocate Superbuoy ODAS "46089" from
45°53′N 125°46′W to 45°54′N 125°49′W
(27/08 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 30/08 31/08
Relocate Superbuoy ODAS "46002" from
42°35′N 130°22′W to 42°34′N 130°28′W
Superbuoy ODAS "46005" from
46°01′N 130°58′W to 46°03′N 131°01′W
(28/08 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 31/08 33/08
Add Note
"NATIONAL MARINE SANCTUARIES &
MARINE PROTECTED AREAS
National Marine Sanctuaries are protected areas, administered by NOAA, which contain sensitive and diverse natural and cultural resources. These areas are particularly sensitive to environmental damage such as spills of oil and other hazardous materials, discharges and groundings. Exercise particular caution and follow applicable Sanctuary regulations when transiting these areas. A full description of Sanctuary regulations may be found in 15 CFR 922 and in the U.S. Coast Pilot. A full description of the federal regulations governing the Marine Protected Areas located within Channel Islands National Marine Sanctuary boundaries may be found in 15 CFR 922 and 50 CFR 660. A full description of the state regulations governing the Marine Protected Areas located within Channel Islands National Marine Sanctuary may be found in Title 14 California Code of Regulations (CCR) section
632." 40°00′N 118°14′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 33/08 38/08
Delete Light symbol 47°40′N 124°29′W
(16/08 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 38/08 52/08
Add Buoy RW, Fl Y 4s (Priv) 33°29′N 122°32′W
(49/08 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 52/08 21/09
Add Wreck [K29] (PA) 46°50′N 124°30′W

Submarine cable [L30.1] joining 45°39′N 123°57′W
45°47′N 124°22′W
45°42′N 124°30′W
45°47′N 125°11′W
45°47′N 125°20′W
45°54′N 126°02′W
(NOS; 17/09 CG13)

501 (INT 801) 12Ed. 11/02 LAST NM 21/09 23/09
Delete Superbuoy ODAS "46419" 48°29′N 129°22′W

Add Superbuoy ODAS [Q58] "46419" RW,
Fl(4) Y 20s 48°48′N 129°36′W
(NOS)

501 (INT 801) 12Ed. 11/02 LAST NM 23/09 24/09
Add Racon symbol [S3.1] to position circle 53°25′N 131°55′W
(Can LL)

501 (INT 801) 12Ed. 11/02 LAST NM 24/09 25/09
Delete Buoy "46063" 34°16′N 120°41′W
(21/09 CG11)

501 (INT 801) 12Ed. 11/02 LAST NM 25/09 26/09
Add Depth 823 meters enclosed by dashed-line
circle "Rep (2009)" 54°24′N 134°24′W
(NTM0005/2009)

★**502** (INT 802) 2Ed. 7/23/83 NEW EDITION 40/83
Add Depth 302 meters "Rep (1983)" 19°11.5′N 105°00.0′W
(Previously published 37/83)

(continued on next page)

502 (Continued) 40/83
Add Depth 637 meters "Rep (1983)" 30°58′N 116°40′W
(Previously published 39/83)
(DMAHTC)

502 (INT 802) 2Ed. 7/23/83 LAST NM 40/83 43/83
Substitute Depth 803 meters for 244 meters 29°13′N 116°19′W
(NVS6883/83)

502 (INT 802) 2Ed. 7/23/83 LAST NM 43/83 51/83
Add Depths
92 meters "Rep (1983)" 22°16′30″N 106°16′30″W
122 meters "Rep (1983)" 22°22′45″N 106°18′15″W
202 meters "Rep (1983)" 22°29′30″N 106°20′30″W
(NVS7119/83)

502 (INT 802) 2Ed. 7/23/83 LAST NM 51/83 2/84
Add Chartlet, depicting changes in hydrography, from back of Section I 30°41′N 122°50′W
(US CH E1306)

502 (INT 802) 2Ed. 7/23/83 LAST NM 2/84 5/84
Add Depths
476 meters "Rep (1983)" 29°54.9′N 116°05.6′W
55 meters "Rep (1983)" 24°47.0′N 112°28.1′W
(NVS7162/84)

502 (INT 802) 2Ed. 7/23/83 LAST NM 5/84 27/84
Delete R Bn (AERO) 31°18′N 113°32′W
(US RA)

502 (INT 802) 2Ed. 7/23/83 LAST NM 27/84 34/85
Add Purple dashed lines (recommended route)
between 35°00.0′N 123°00.0′W
37°01.0′N 124°25.0′W

between 36°30.0′N 124°25.0′W
35°00.0′N 123°23.0′W

between 37°57.3′N 123°03.2′W
38°20.0′N 123°40.0′W

between 38°20.0′N 123°55.0′W
37°54.6′N 123°05.3′W

Note
"NOTE A
US Trans-Alaskan Pipeline System (TAPs) routes are recommended for safe routing of tank vessels between the Port of Valdez AK and US west coast ports. These are not IMO adopted recommended routes." 37°30.0′N 120°00.0′W

Legend "See Note A" 36°30.0′N 124°10.0′W

Purple open-outlined arrows indicating flow of traffic oriented
330.1° 36°00.0′N 123°30.0′W
150.1° 36°00.0′N 124°15.0′W
305.5° 38°15.0′N 123°20.0′W
125.2° 38°00.0′N 123°30.0′W
(HNNM7457/85)

502 (INT 802) 2Ed. 7/23/83 LAST NM 34/85 38/85
Add Depth 478 meters (PA) 22°44.3′N 107°34.4′W
(HNNM7565/85)

502 (INT 802) 2Ed. 7/23/83 LAST NM 38/85 52/85
Change International chart number "INT 502" to "INT 802" in margins (4) of chart
(HNNM7637/85)

502 (INT 802) 2Ed. 7/23/83 LAST NM 52/85 15/86
Add Depth 180 meters "Rep (1986)" 24°45′N 110°10′W
(HNNM7737/86)

502 (INT 802) 2Ed. 7/23/83 LAST NM 15/86 51/87
Delete Buoy 34°06′N 120°32′W
(46/87 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 51/87 27/88
Add Depth 468 meters "Rep (1987)" (PA) 29°37′N 116°52′W
(MCNM8109/88)

502 (INT 802) 2Ed. 7/23/83 LAST NM 27/88 39/88
Substitute Depth 626 meters for 1544 meters 16°04′N 108°37′W
(MCNM8144/88)

502 (INT 802) 2Ed. 7/23/83 LAST NM 39/88 27/89
Delete Depth 21 meters 30°00′N 124°05′W

Purple dashed lines (recommended route) and directional arrows in vicinity 36°00′N 123°40′W
38°05′N 123°20′W

Legend "See Note A" 36°30′N 124°10′W

Note A 37°30′N 120°00′W
(See 2/84-502)
(MCNM1068, 1070/89)

502 (INT 802) 2Ed. 7/23/83 LAST NM 27/89 33/89
Add Depth 450 meters 31°17′N 118°41′W
(MCNM1083/89)

502 (INT 802) 2Ed. 7/23/83 LAST NM 33/89 36/89
Add Depth 456 meters 29°03′N 116°09′W
(MCNM1093/89)

502 (INT 802) 2Ed. 7/23/83 LAST NM 36/89 23/91
Add Superbuoy ODAS "46023" Y, Fl(4) Y 20s
34°15.2′N 120°39.7′W
(MCNM1098/91)

502 (INT 802) 2Ed. 7/23/83 LAST NM 23/91 33/91
Delete Depth 60 meters, dotted-line circle, blue tint and legend "Subm Obstr" 32°44′N 117°35′W
32°10′N 117°51′W
(CL509/91)

502 (INT 802) 2Ed. 7/23/83 LAST NM 33/91 3/92
Add Superbuoys, each ODAS Y, Fl(4) Y 20s
"46047" 32°41.2′N 119°35.3′W
"46048" 32°53.8′N 117°52.5′W
(MCC1151/91)

502 (INT 802) 2Ed. 7/23/83 LAST NM 3/92 12/93
Delete R Bn at light 33°51.0′N 118°24.6′W
(7/93 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 12/93 31/93
Add Depth 5 meters enclosed by danger circle
30°53.8′N 116°43.3′W
(23(1992)93 Taunton)

502 (INT 802) 2Ed. 7/23/83 LAST NM 31/93 33/93
Delete R Bn at light 34°35′N 120°38′W
(29/93 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 33/93 34/93
Add Depth 16.4 meters "Rep (1986)" (PA) 27°23′N 114°44′W
(MCC1269/93)

502 (INT 802) 2Ed. 7/23/83 LAST NM 34/93 36/93
Add Depth 11 meters enclosed by danger circle 23°02′N 110°16′W
24°55′N 112°29′W
(17(1444, 1445)93 Taunton)

502 (INT 802) 2Ed. 7/23/83 LAST NM 36/93 38/93
Add Superbuoy ODAS "46053" Y, Fl(4) Y 20s
34°14′N 119°51′W
(34/93 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 38/93 43/93
Delete Superbuoy ODAS
"46048" 32°54′N 117°53′W
"46047" 32°41′N 119°36′W

Add Superbuoy ODAS "46054" Y, Fl(4) Y 20s
34°16.1′N 120°26.9′W
(36/93 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 43/93 3/94
Delete R Bn at light 35°42′N 121°17′W
(50/93 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 3/94 5/94
Delete R Bn at light 38°00′N 123°00′W

Add Superbuoy ODAS "46012" Y, Fl(4) Y 20s
37°23′N 122°43′W
(51/93 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 5/94 16/94
Delete R Bn at light 36°18.4′N 121°53.0′W
36°36.0′N 121°56.0′W
(10/94 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 16/94 18/94
Delete R Bn at light 37°42′N 123°00′W
(12/94 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 18/94 21/94
Add Superbuoy ODAS "46026" Y,
Fl(4) Y 20s 37°45′N 122°49′W
(16/94 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 21/94 23/95
Add Light symbol 25°17′N 112°07′W
(4/94 Mexico, D.F.)

502 (INT 802) 2Ed. 7/23/83 LAST NM 23/95 26/95
Delete R Bn at light 32°40′N 117°15′W
(20/95 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 26/95 27/95
Delete R Bn at light 37°11′N 122°23′W
(21/95 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 27/95 28/95
Delete R Bn 34°25′N 119°42′W
(23/95 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 28/95 29/95
Delete R Bn at light 35°22′N 120°49′W
(24/95 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 29/95 31/95
Delete R Bn at light 34°15′N 119°16′W
(26/95 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 31/95 34/95
Delete R Bn at light 35°10′N 120°46′W
(29/95 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 34/95 35/95
Add Depth 183 meters 32°42′N 117°42′W
(MCC046/95)

502 (INT 802) 2Ed. 7/23/83 LAST NM 35/95 38/95
Delete R Bn 33°21′N 118°20′W
(32/95 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 38/95 44/95
Delete R Bn at light 33°27′N 117°42′W
(37/95 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 44/95 47/96
Delete R Bn at light 31°48′N 116°50′W
R Bn 31°42′N 116°38′W
(GIMM049/96)

502 (INT 802) 2Ed. 7/23/83 LAST NM 47/96 49/96
Delete Superbuoy ODAS "46023" 34°15′N 120°40′W
(44/96 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 49/96 8/97
Delete Superbuoy ODAS "46053" 34°14′N 119°51′W
(3/97 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 8/97 29/97
Add Superbuoy ODAS "46023" Y, Fl(4) Y 20s
34°43′N 120°58′W
(25/97 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 29/97 33/97
Add Superbuoy ODAS, each Y
"46024" QY 34°29′N 120°42′W
"46028" Fl(4) Y 20s 34°44′N 121°53′W
"46062" Fl(4) Y 20s 35°06′N 121°01′W
(29/97 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 33/97 8/98
Delete Superbuoy ODAS "46028" 34°44′N 121°53′W
(See 33/97-502)

Add Superbuoy ODAS "46028" Y, Fl(4) Y 20s
35°44′N 121°53′W
(GIMM001/98)

502 (INT 802) 2Ed. 7/23/83 LAST NM 8/98 42/98
Delete Superbuoy ODAS "46012" 37°23′N 122°43′W

Add Dashed-line circle with legend
"Subm buoy (cov 1205m)" 35°46′N 122°42′W
"Subm buoys (cov 400m)" 36°17′N 122°29′W
"Subm buoy (cov 200m)" 36°16′N 122°28′W
(35/98 CG11; GIMM001/98)

502 (INT 802) 2Ed. 7/23/83 LAST NM 42/98 48/98
Add Superbuoys ODAS, each Y, Fl(4) Y 20s
"46063" 34°15′N 120°40′W
"46053" 34°14′N 119°51′W
(42/98 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 48/98 23/99
Add Superbuoy ODAS "46012" Y,
Fl(4) Y 20s 37°24′N 122°43′W
(See 42/98-502)
(GIMM021/99)

502 (INT 802) 2Ed. 7/23/83 LAST NM 23/99 33/99
Add Superbuoy ODAS "46047" Y, Fl(4) Y 20s
32°26′N 119°32′W
(NTM0003/1999)

502 (INT 802) 2Ed. 7/23/83 LAST NM 33/99 40/99
Delete Dashed-line circle and legend
"Subm buoys (cov 400m)" 36°17′N 122°29′W

Dashed-line circle and legend
"Subm buoy (cov 200m)" 36°16′N 122°28′W
(See 42/98-502)
(NTM0005/1999)

502 (INT 802) 2Ed. 7/23/83 LAST NM 40/99 52/02
Add Depth 13 meters "Rep (2002)" [I3.2] 24°42′N 110°18′W
(NTM0007/2002)

502 (INT 802) 2Ed. 7/23/83 LAST NM 52/02 40/03
Add Superbuoy ODAS [Q58] "46012" Y,
Fl(4) Y 20s 37°22′N 122°53′W
(35/03 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 40/03 44/03
Add Wreck [K29] 31°16′N 119°31′W
Wreck [K29] 31°27′N 119°43′W
(NTM0006/2003)

502 (INT 802) 2Ed. 7/23/83 LAST NM 44/03 11/04
Add Superbuoy ODAS [Q58] "46069" Y,
Fl(4) Y 20s 33°39′N 120°12′W
(52/03 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 11/04 42/04
Add Wreck [K29] 31°02′N 119°42′W
(NTM0012/2004)

502 (INT 802) 2Ed. 7/23/83 LAST NM 42/04 1/05
Delete Superbuoy ODAS "46062" 35°06′N 121°01′W
Buoy (undesignated) 33°24′N 119°45′W
(45, 47/04 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 1/05 19/05
Add Wreck [K29] (PA) 33°27′N 119°47′W
(NTM0006/2005)

502 (INT 802) 2Ed. 7/23/83 LAST NM 19/05 18/06
Substitute Depth 62 meters for 75 meters 32°39′N 117°58′W

Add Depth 36 meters 32°51′N 117°20′W
Depth 89 meters 32°05′N 118°10′W
Depth 190 meters 33°00′N 119°33′W
(NTM0023/2006)

502 (INT 802) 2Ed. 7/23/83 LAST NM 18/06 24/06
Add Wreck [K29] 33°33′N 118°32′W
(NOS)

502 (INT 802) 2Ed. 7/23/83 LAST NM 24/06 30/06
Add Depth 526 meters "Rep (2005)" 31°22′N 118°37′W
(NTM0019/2005)

502 (INT 802) 2Ed. 7/23/83 LAST NM 30/06 47/06
Add Dashed-line circle with legend "Subm buoy
(cov 1364m)" 36°18′N 122°24′W
(NTM0010/2006)

★**502** (INT 802) 2Ed. 7/23/83 LAST NM 47/06 4/07
Delete Depth 388 meters 25°39′N 119°21′W

Add Depth 399 meters 25°20′N 119°31′W
Depth 737 meters 25°42′N 119°38′W
(NTM0042/2006)

502 (INT 802) 2Ed. 7/23/83 LAST NM 4/07 19/07
Add Superbuoy ODAS [Q58] "46412" Y,
Fl(4) Y 20s 32°15′N 120°42′W
(12/07 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 19/07 34/07
Add Superbuoy ODAS [Q58] "46013" Y,
Fl(4) Y 20s 38°14′N 123°19′W
(26/07 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 34/07 46/07
Substitute Depth 621 meters for 399 meters 25°20′N 119°31′W
Depth 886 meters for 737 meters 25°42′N 119°38′W
(See 4/07-502)

Add Depth 3598 meters 25°44′N 119°25′W
Depth 3672 meters 25°40′N 119°21′W
Depth 3390 meters 25°33′N 119°20′W
Depth 3266 meters 25°24′N 119°20′W
Depth 3449 meters 25°26′N 119°39′W
(NTM0026/2007)

502 (INT 802) 2Ed. 7/23/83 LAST NM 46/07 52/08
Add Buoy RW, pillar, Fl Y 4s (Priv) 33°29′N 122°32′W
(49/08 CG11)

502 (INT 802) 2Ed. 7/23/83 LAST NM 52/08 13/09
Add Dashed-line circle "Discol. water rep (1953)
(PA) (CAUTION NO 1)" [Ke] 28°00′N 115°00′W

Legend "CAUTION NO 2" 18°48′N 111°05′W

Dashed-line circle "Discol. water rep (2009)
(PA) (CAUTION NO 3)" [Ke] 18°59′N 110°48′W

CAUTIONS note
"CAUTIONS
1. Possible evidence of a submarine volcano reported in Bahia Sebastian Vizcaino in 1953 and again in 1956. Mariners should exercise caution in this area.
2. A submarine volcano was reported to have formed about 2 miles NW of Punta Tosca in 1993. Depths of 80 meters were reported. Mariners should exercise caution in this area.
3. Drifting pumice rafts, possible indicators of submarine volcanic activity, observed northeast of Isla Socorro. Mariners should exercise caution in this area." 29°25′N 110°55′W
(NTM0033/2001; NTM0015/2009)

502 (INT 802) 2Ed. 7/23/83 LAST NM 13/09 26/09
Add Wreck [K29] 31°36′N 118°36′W
(NTM0028/2009)

502 (INT 802) 2Ed. 7/23/83 LAST NM 26/09 27/09
Delete Superbuoy ODAS "46063" 34°16′N 120°41′W
(21/09 CG11)

★**503** (INT 811) 4Ed. 7/27/96 NEW EDITION 37/96
(DMA)

503 (INT 811) 4Ed. 7/27/96 LAST NM 37/96 14/97
Delete Depths
269 meters 16°10′N 86°50′W
189 meters 16°11′N 87°03′W
212 meters 16°12′N 87°13′W
(GIMM019/97)

503 (INT 811) 4Ed. 7/27/96 LAST NM 14/97 30/97
Delete Light symbol 16°08′N 86°53′W
16°23′N 86°24′W
(17(1506)97 Taunton)

503 (INT 811) 4Ed. 7/27/96 LAST NM 30/97 12/00
Add Light symbol 5°43′N 77°17′W
(16/99 Bogota)

503 (INT 811) 4Ed. 7/27/96 LAST NM 12/00 1/04
Add Legend "Reported Extinguished" to light 7°28′N 82°14′W
(NTM0003/2003)

503 (INT 811) 4Ed. 7/27/96 LAST NM 1/04 27/04
Delete Depth 8 meters and enclosing dotted-line circle
16°56′N 83°15′W

Add Depth 26 meters 16°54′N 83°20′W
(NTM0012/2004)

503 (INT 811) 4Ed. 7/27/96 LAST NM 27/04 18/05
Add Depth 108 meters "(Rep 1997)" [I3.2] 4°58′N 82°10′W
(NTM0015/2005)

503 (INT 811) 4Ed. 7/27/96 LAST NM 18/05 12/06
Add Depth 1939 meters 9°15′N 91°27′W
Depth 1575 meters 3°33′N 93°25′W
(NTM0014/2006)

503 (INT 811) 4Ed. 7/27/96 LAST NM 12/06 34/06
Add "Marine Reserve" area [N22] bound by purple composite line joining
2°05′S 92°18′W
2°41′S 90°42′W
2°46′S 89°28′W
2°35′S 88°48′W
1°04′S 87°53′W
0°40′S 87°54′W
0°10′S 88°00′W
1°28′N 89°03′W
2°29′N 92°22′W
1°46′N 92°42′W
1°34′S 92°42′W

Legend "PSSA & ATBA (see Note)" between
1°55′N 91°00′W
1°35′N 89°45′W

Note
"Note
PARTICULARLY SENSITIVE SEA AREA
(PSSA) AND AREA TO BE AVOID (ATBA)"
16°17′N 91°55′W
(15(151)06 Wellington)

503 (INT 811) 4Ed. 7/27/96 LAST NM 34/06 50/06
Add Depth 7 meters Obstn [K41] "Rep (2006)"
16°29′N 81°22′W
Depth 7 meters Obstn [K41] "Rep (2006)"
16°23′N 81°19′W
(43(4946)06 Taunton)

503 (INT 811) 4Ed. 7/27/96 LAST NM 50/06 1/07
Add Legend "Seamounts, lesser depths to 318m rep" 12°25′N 91°45′W
(NTM0042/2006)

503 (INT 811) 4Ed. 7/27/96 LAST NM 1/07 4/07
Delete Depth 256 meters and enclosing dotted-line circle 5°25′N 88°35′W

Add Depth 230 meters 5°29′N 88°34′W
(NTM0042/2006)

503 (INT 811) 4Ed. 7/27/96 LAST NM 4/07 7/07
Add Depth 1262 meters 2°38′N 91°23′W
(NTM0008/2006)

503 (INT 811) 4Ed. 7/27/96 LAST NM 7/07 45/07
Substitute Depth 237 meters for 230 meters 5°29′N 88°34′W
(See 4/07-503)
(NTM0026/2007)

503 (INT 811) 4Ed. 7/27/96 LAST NM 7/07 47/07
Add Depth 524 meters 6°29′N 81°53′W
Depth 679 meters 8°19′N 85°01′W
(NTM0026/2007)

503 (INT 811) 4Ed. 7/27/96 LAST NM 47/07 50/07
Add Depth 705 meters 3°52′N 89°14′W
(NTM0026/2007)

503 (INT 811) 4Ed. 7/27/96 LAST NM 50/07 19/08
Add Depth 537 meters 1°18′S 88°22′W
Depth 449 meters 1°17′S 88°49′W
Depth 323 meters 0°32′S 88°32′W

Depth 183 meters, blue tint and enclosing depth contour (200-meter) centered 0°08′S 89°15′W
(NTM0026/2007)

503 (INT 811) 4Ed. 7/27/96 LAST NM 19/08 35/08
Add Depth 903 meters 3°17′N 90°56′W
Depth 917 meters 3°11′N 91°09′W
Depth 503 meters 3°14′N 90°59′W
(NTM0026/2007)

503 (INT 811) 4Ed. 7/27/96 LAST NM 35/08 42/08
Add Light symbol [P1] 14°09′N 81°10′W
(29/08 Bogota)

503 (INT 811) 4Ed. 7/27/96 LAST NM 42/08 43/08
Add Depth 611 meters 1°06′S 88°24′W
(NTM0026/2007)

503 (INT 811) 4Ed. 7/27/96 LAST NM 43/08 46/08
Add Depth 13 meters, blue tint and enclosing dotted-line circle "Rep (2007)" 8°19′N 83°54′W
(NTM0030/2008)

503 (INT 811) 4Ed. 7/27/96 LAST NM 46/08 1/09
Substitute Depth 21 meters, blue tint and enclosing dotted-line circle "Rep (2007)" for 13 meters
8°19′N 83°54′W
(Supersedes 46/08-503)
(NTM0030/2008)

★**504** (INT 809) 4Ed. 2/19/83 NEW EDITION 18/83
(DMAHTC)

504 (INT 809) 4Ed. 2/19/83 LAST NM 18/83 52/84
Add Superbuoys, each ODAS, yellow, Fl(4) Y 20s
"51002" 17°11.4′N 157°49.8′W
"51003" 19°11.0′N 160°49.2′W
"51004" 17°31.9′N 152°37.1′W
(39, 46, 47/84 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 52/84 19/85
Add Depth 225 meters "Rep (1984)" 9°29′N 160°58′W
(NVS7391/85)

504 (INT 809) 4Ed. 2/19/83 LAST NM 19/85 52/85
Change International chart number "INT 504" to "INT 809" in margins (4) of chart

Add Superbuoy ODAS, "51005", yellow Fl(4) Y 20s 20°21′N 156°04′W
(49/85 CG14, HNNM7637/85)

504 (INT 809) 4Ed. 2/19/83 LAST NM 52/85 12/86
Delete Depth 11 meters 23°00′N 162°00′W
(HNNM7706/86)

504 (INT 809) 4Ed. 2/19/83 LAST NM 12/86 36/87
Add Light flare symbol 21°35′N 158°16′W
Superbuoy ODAS "51001", yellow, Fl(4) Y 20s 23°26′N 162°18′W
(26/87 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 36/87 46/87
Add Light Fl 10s 174ft 25M 22°14′N 159°24′W
(32/87 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 46/87 11/88
Add Depth 478 meters 21°54′N 159°56′W
(MCNM8066/88)

504 (INT 809) 4Ed. 2/19/83 LAST NM 11/88 37/89
Add Depth 74 meters "Rep (1974)" 27°43′N 175°35′W
(MCNM1071/89)

504 (INT 809) 4Ed. 2/19/83 LAST NM 37/89 22/91
Relocate Superbuoy ODAS "51004"
(17°31.9′N 152°37.1′W) to 17°32.3′N 152°28.7′W
(10/91 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 22/91 23/91
Relocate Superbuoy ODAS "51002"
(17°11.4′N 157°49.8′W) to 17°09.9′N 157°49.2′W
(MCNM1098/91)

504 (INT 809) 4Ed. 2/19/83 LAST NM 23/91 34/91
Relocate Superbuoy ODAS "51004"
(17°32.3′N 152°28.7′W) to 17°26.1′N 152°20.4′W
(See 22/91-504)
(30/91 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 34/91 36/91
Relocate Superbuoy ODAS "51003"
(19°11.0′N 160°49.2′W) to 19°15.5′N 160°47.3′W
(MCNM1098/91)

504 (INT 809) 4Ed. 2/19/83 LAST NM 36/91 7/92
Delete Depth 395 meters "Rep (1980)" 21°00′N 158°07′W
(CL1147/91)

504 (INT 809) 4Ed. 2/19/83 LAST NM 7/92 13/92
Relocate Superbuoy ODAS "51004"
(17°26.1′N 152°20.4′W) to 17°26.1′N 152°30.4′W
(See 34/91-504)
(10/92 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 13/92 7/93
Add Depth 183 meters "Rep" 28°50′N 178°55′W
(MCC1160/92)

504 (INT 809) 4Ed. 2/19/83 LAST NM 7/93 26/93
Delete Superbuoy ODAS "51005" 20°20.0′N 156°03.1′W
(19/93 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 26/93 33/93
Relocate Superbuoy ODAS "51003"
(19°15.5′N 160°47.3′W) to 19°09.5′N 160°49.3′W
(28/93 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 33/93 12/97
Substitute Depth 399 meters for 862 meters 28°52′N 178°52′W

Add Depth
125 meters 28°54′N 178°37′W
255 meters 28°50′N 179°08′W
(GIMM015/97)

504 (INT 809) 4Ed. 2/19/83 LAST NM 12/97 12/00
Add R Bn (AERO) [S16] 28°12′N 177°23′W
(NOS)

504 (INT 809) 4Ed. 2/19/83 LAST NM 12/00 29/00
Add Depth 3639 meters "Rep (2000)" (PA) 20°34′N 159°23′W
(NTM0013/2000)

504 (INT 809) 4Ed. 2/19/83 LAST NM 29/00 31/00
Add Depth 448 meters "Rep (2000)" 20°24′N 157°01′W
(NTM0013/2000)

504 (INT 809) 4Ed. 2/19/83 LAST NM 31/00 23/04
Change Light to Fl 10s 21M 21°13′N 156°58′W
(16/04 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 23/04 26/04
Relocate Superbuoy ODAS "51002" from
17°07′N 157°49′W to 17°09′N 157°47′W

Add Superbuoy ODAS [Q58] "PICO" Y, Fl Y 4s
(Priv) 20°30′N 158°02′W
(21/04 CG14; NTM0002/2004)

504 (INT 809) 4Ed. 2/19/83 LAST NM 26/04 16/05
Add Depth 865 meters "rep (2005)" 21°44′N 157°46′W
(NTM0013/2005)

504 (INT 809) 4Ed. 2/19/83 LAST NM 16/05 33/05
Add Depth 250 fathoms 21°44′N 158°38′W
(NTM0013/2005)

504 (INT 809) 4Ed. 2/19/83 LAST NM 33/05 29/06
Add Depth 4769 meters "Rep (2005)" 20°28′N 176°31′W
Depth 2902 meters "Rep (2005)" 20°28′N 176°22′W
Depth 4114 meters "Rep (2005)" 22°45′N 176°17′W
Depth 2785 meters "Rep (2005)" 20°44′N 172°33′W
Depth 2522 meters "Rep (2005)" 20°32′N 172°04′W
Depth 1627 meters (PD) 19°17′N 166°10′W
Depth 1609 meters (PD) 19°24′N 165°32′W
Depth 1536 meters (PD) 19°35′N 164°59′W
Depth 1444 meters (PD) 19°36′N 164°28′W
(NTM0024/2006; US CH 19007)

504 (INT 809) 4Ed. 2/19/83 LAST NM 29/06 36/07
Relocate Superbuoy ODAS "51003" from
19°10′N 160°49′W to 19°05′N 160°40′W
(32/07 CG14)

P 504 (INT 809) 4Ed. 2/19/83 LAST NM 36/07 10/08
Delete Purple composite line (area to be avoided limit)
joining 27°42′N 176°38′W
28°05′N 176°37′W
28°22′N 176°25′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 26°49′N 173°40′W
26°00′N 172°58′W
25°10′N 173°53′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 24°56′N 171°54′W
25°50′N 172°39′W
26°34′N 171°38′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 26°10′N 170°10′W
25°15′N 169°41′W
24°36′N 170°27′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 25°34′N 167°20′W
25°00′N 167°04′W
24°16′N 168°27′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 23°10′N 166°54′W
24°15′N 166°58′W
24°27′N 165°42′W
Note: Legend "AREA TO BE AVOIDED"
remains

Add Purple composite-line greater arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 28°25′N 178°20′W
arc between 27°38′N 178°01′W
29°01′N 177°41′W

Purple composite-line lesser arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 28°25′N 178°20′W
arc between 29°15′N 178°06′W
29°02′N 177°40′W
Note: Area extends beyond chart border

Purple composite-line lesser arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 28°14′N 177°22′W
arc between 29°02′N 177°40′W
28°22′N 176°25′W

Purple composite-line lesser arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 28°14′N 177°22′W
arc between 27°42′N 176°38′W
27°38′N 178°01′W

Purple composite line (area to be avoided limit)
[N2.1] between 26°49′N 173°40′W
26°34′N 171°38′W

Purple composite line (area to be avoided limit)
[N2.1] between 25°10′N 173°53′W
24°56′N 171°54′W

Purple composite-line greater arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 25°20′N 170°01′W
arc between 26°10′N 170°10′W
24°36′N 170°27′W

Purple composite line (area to be avoided limit)
[N2.1] between 25°34′N 167°20′W
24°27′N 165°42′W

(continued on next page)

P 504 (Continued) 10/08

Purple composite line (area to be avoided limit)
[N2.1] between 24°16′N 168°27′W
23°10′N 166°54′W

Purple dashed line (reporting area outer limit)
[N1.2] joining 29°15′N 176°53′W
28°44′N 175°14′W
27°01′N 173°26′W
26°45′N 171°28′W
26°24′N 170°21′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 27°42′N 174°00′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 24°40′N 164°38′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit)
[N1.2] joining 22°05′N 162°08′W
22°35′N 164°47′W
22°48′N 166°38′W
24°04′N 168°28′W
24°26′N 170°45′W
24°47′N 171°53′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 24°05′N 169°22′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 27°13′N 177°53′W

Purple dashed-line lesser arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc between 27°27′N 178°39′W
29°15′N 178°58′W

CAUTION note in upper margin of chart
"CAUTION
Areas to be Avoided and Reporting Areas
All vessels solely in transit should avoid the limits of the Papahanaumokuakea Particularly Sensitive Sea Area (PSSA). All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, (MSC IMO, 83rd Session, 2007)."
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO and are in effect at 0001 UTC 1 May 2008
(NTM0001/2008)

504 (INT 809) 4Ed. 2/19/83 LAST NM 10/08 13/08
Delete Buoy "PICO" 20°30′N 158°02′W
(10/08 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 10/08 17/08
Delete Purple composite line (area to be avoided limit)
joining 27°42′N 176°38′W
28°05′N 176°37′W
28°22′N 176°25′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit)
joining 26°49′N 173°40′W
26°00′N 172°58′W
25°10′N 173°53′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit)
joining 24°56′N 171°54′W
25°50′N 172°39′W
26°34′N 171°38′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit)
joining 26°10′N 170°10′W
25°15′N 169°41′W
24°36′N 170°27′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit)
joining 25°34′N 167°20′W
25°00′N 167°04′W
24°16′N 168°27′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit)
joining 23°10′N 166°54′W
24°15′N 166°58′W
24°27′N 165°42′W
Note: Legend "AREA TO BE AVOIDED" remains

Add Purple composite-line greater arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°25′N 178°20′W
arc between 27°38′N 178°01′W
29°01′N 177°41′W

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°25′N 178°20′W
arc between 29°15′N 178°06′W
29°02′N 177°40′W
Note: Area extends beyond chart border

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°14′N 177°22′W
arc between 29°02′N 177°40′W
28°22′N 176°25′W

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°14′N 177°22′W
arc between 27°42′N 176°38′W
27°38′N 178°01′W

Purple composite line (area to be avoided limit)
[N2.1] between 26°49′N 173°40′W
26°34′N 171°38′W

Purple composite line (area to be avoided limit)
[N2.1] between 25°10′N 173°53′W
24°56′N 171°54′W

Purple composite-line greater arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 25°20′N 170°01′W
arc between 26°10′N 170°10′W
24°36′N 170°27′W

Purple composite line (area to be avoided limit)
[N2.1] between 25°34′N 167°20′W
24°27′N 165°42′W

Purple composite line (area to be avoided limit)
[N2.1] between 24°16′N 168°27′W
23°10′N 166°54′W

Purple dashed line (reporting area outer limit)
[N1.2] joining 29°15′N 176°53′W
28°44′N 175°14′W
27°01′N 173°26′W
26°45′N 171°28′W
26°24′N 170°21′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 27°42′N 174°00′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 24°40′N 164°38′W

(continued on next page)

504 (Continued) 17/08

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°35′N 164°47′W
22°48′N 166°38′W
24°04′N 168°28′W
24°26′N 170°45′W
24°47′N 171°53′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 24°05′N 169°22′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 27°13′N 177°53′W

Purple dashed-line lesser arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc between 27°27′N 178°39′W
29°15′N 178°58′W

CAUTION note in right upper margin of chart
"CAUTION
Areas to be Avoided and Reporting Areas
All vessels solely in transit should avoid the limits of the Papahanaumokuakea Particularly Sensitive Sea Area (PSSA). All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, (MSC IMO, 83rd Session, 2007)".
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-504)
(NTM0001/2008)

★**504** (INT 809) 4Ed. 2/19/83 LAST NM 17/08 20/08
Change Height of light to 110ft 21°57′N 159°20′W
(12/08 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 20/08 33/08
Add Buoy ODAS [Q58] "NOAA PMEL DART", conical, Fl Y 4s (Priv) 20°32′N 157°50′W
(11/08 CG14)

★**504** (INT 809) 4Ed. 2/19/83 LAST NM 33/08 46/08
Add Depth 1124 meters 21°59′N 175°33′E
Depth 1514 meters 18°01′N 178°11′E
(NTM0026/2007)

504 (INT 809) 4Ed. 2/19/83 LAST NM 46/08 6/09
Add Depth 2746 meters 19°02′N 157°47′W
(NTM0003/2009)

504 (INT 809) 4Ed. 2/19/83 LAST NM 6/09 16/09
Relocate Superbuoy ODAS "51004" from 17°26′N 152°30′W to 17°35′N 152°28′W
(10/09 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 16/09 22/09
Add Superbuoy ODAS [Q58] "51000" Y, Fl(4) Y 20s 23°28′N 154°00′W

Superbuoy ODAS [Q58] "51100" Y, Fl(4) Y 20s 23°33′N 153°54′W

Superbuoy ODAS [Q58] "51101" Y, Fl(4) Y 20s 24°19′N 162°03′W
(18/09 CG14)

504 (INT 809) 4Ed. 2/19/83 LAST NM 22/09 27/09
Add Wreck [K29] 23°03′N 160°27′W
Wreck [K29] 23°05′N 160°20′W
Wreck [K29] 23°01′N 159°53′W
(NTM0028/2009)

504 (INT 809) 4Ed. 2/19/83 LAST NM 27/09 28/09
Add Depth 3511 meters 20°04′N 157°00′W
(NTM0032/2009)

504 (INT 809) 4Ed. 2/19/83 LAST NM 28/09 29/09
Delete R Bn (AERO) and legend "LORAN TOWER" 16°44′N 169°32′W
(NOS)

★**505** (INT 617) 2Ed. 4/18/81 NEW EDITION 23/81
(DMAHTC)

505 (INT 617) 2Ed. 4/18/81 LAST NM 23/81 29/81
Delete Light symbol 4°44′N 160°25′W
(22(1199)81 Taunton)

★**505** (INT 617) 2Ed. 4/18/81 LAST NM 29/81 35/82
Delete Danger circle "Breakers" 2°00′S 174°48′W
(NVS6728/82)

505 (INT 617) 2Ed. 4/18/81 LAST NM 35/82 41/82
Delete Danger circle "Breakers (rep 1980)" 6°33.8′N 177°34.0′E
(31(1915)82 Taunton)

505 (INT 617) 2Ed. 4/18/81 LAST NM 41/82 15/83
Substitute Depth 5090 meters for 50 meters 0°00′ 176°28′E
(Jpn CH 2004)

505 (INT 617) 2Ed. 4/18/81 LAST NM 15/83 6/85
Substitute Depth 1418 meters for 1498 meters 8°19′N 159°51′W

Add Danger circle "Breakers Rep (1980)" 6°33.8′N 177°33.0′E
(NVS7383, 7384/85)

505 (INT 617) 2Ed. 4/18/81 LAST NM 6/85 19/85
Add Depth 225 meters "Rep (1984)" 9°29′N 160°58′W
(NVS7391/85)

505 (INT 617) 2Ed. 4/18/81 LAST NM 19/85 52/85
Change International chart number "INT 505" to "INT 617" in margins (4) of chart

Legend to "CONTINUED ON INT 809" 10°58′N 172°55′W
(HNNM7637/85)

505 (INT 617) 2Ed. 4/18/81 LAST NM 52/85 52/86
Delete Danger circle 0°51′S 174°45′W

Add Depth 22 meters "Rep (1986)" 1°46′S 174°39′W
(MCNM7846/86)

505 (INT 617) 2Ed. 4/18/81 LAST NM 52/86 7/88
Add Depth 11 meters 1°38′N 173°03′W
(MCNM8048/88)

505 (INT 617) 2Ed. 4/18/81 LAST NM 7/88 43/88
Add Depth 168 meters 2°56′N 158°46′W
(MCNM8152/88)

505 (INT 617) 2Ed. 4/18/81 LAST NM 43/88 33/93
Add R Bn (AERO) 10°23′S 161°00′W
(24(184)93 Auckland)

505 (INT 617) 2Ed. 4/18/81 LAST NM 33/93 16/94
Add Depth 20 meters 10°10′S 179°42′W
(48(54)93 Brest)

505 (INT 617) 2Ed. 4/18/81 LAST NM 16/94 21/96
Delete R Bn (AERO) 2°39′S 176°50′E
(BA RA)

505 (INT 617) 2Ed. 4/18/81 LAST NM 21/96 31/98
Delete R Bn (AERO) 5°40′S 176°10′E
(23(2023)98 Taunton)

505 (INT 617) 2Ed. 4/18/81 LAST NM 31/98 37/99
Add Superbuoy ODAS "51028" Y, Fl(4) Y 20s 0°00′ 153°53′W
(NTM0003/1999)

505 (INT 617) 2Ed. 4/18/81 LAST NM 37/99 15/01
Add Depth 1200 meters "Rep (2000)" [I3.2] 5°53′N 165°22′W
(42(4094)00 Taunton)

505 (INT 617) 2Ed. 4/18/81 LAST NM 15/01 34/07
Delete R Bn (AERO) 10°23′S 161°00′W
(NTM0011/2007)

505 (INT 617) 2Ed. 4/18/81 LAST NM 34/07 7/08
Add "Depths to 656m rep (2007)" area bound by dashed-line circle, radius 6 miles, centered 1°17′N 159°57′W

"Depths to 629m rep (2007)" area bound by dashed-line circle, radius 7 miles, centered 2°05′N 164°24′W

Danger circle [K40] "Shoal rep (2007)", radius 14 miles, centered 8°10′N 160°06′W
(NTM0003/2008)

★**505** (INT 617) 2Ed. 4/18/81 LAST NM 7/08 14/09
Add Danger circle "Shoal Rep (2008)", radius 10 miles, centered 8°15′S 161°47′W
"Depths to 395m rep (2008)" area bound by dashed-line circle, radius 8 miles, centered 9°31′S 162°04′W
"Depths to 468m rep (2008)" area bound by dashed-line circle, radius 10 miles, centered 7°40′S 161°52′W
(NTM0009/2009)

★**505** (INT 617) 2Ed. 4/18/81 LAST NM 14/09 21/09
Add "Depths to 592m rep (2008)" area bound by dashed-line circle, radius 10 miles, centered 4°43′N 160°18′W
"Depths to 302m rep (2008)" area bound by dashed-line circle, radius 11 miles, centered 7°35′N 163°16′W
"Depths to 614m rep (2008)" area bound by dashed-line circle, radius 6 miles, centered 9°41′N 165°06′W
"Depths to 641m rep (2008)" area bound by dashed-line circle, radius 6 miles, centered 9°53′N 162°13′W
(NTM0009/2009)

★**506** (INT 506) 2Ed. 2/3/96 NEW EDITION 25/96
Delete Depth 13 meters, blue tint and enclosing depth contours (4) in vicinity 1°05′N 170°31′E

Add Depth 185 meters with legend "Volcanic Activity (1995)" 15°34′N 145°32′E

Depth
30 meters 8°25′N 148°13′E
16 meters 8°03′N 148°34′E
13 meters "Rep (1991)" 1°05′N 170°31′E

Legend to danger circle
"Discol water (1992)" 19°45′N 145°43′E
"Shoal (1895) ED" 0°27′S 167°12′E
"Breakers (1991)" 0°24′N 152°00′E
"Breakers (1989)" 1°45′N 152°02′E
(DMA; SMEA003/96)

506 (INT 506) 2Ed. 2/3/96 LAST NM 25/96 23/97
Add Danger circle "Breakers Rep (1987)" 1°20′S 151°12′E
(5(120)97 Wollongong)

506 (INT 506) 2Ed. 2/3/96 LAST NM 23/97 18/00
Change Legend to "Asuncion (891) Rep 2 miles north (1969)" 19°41′N 145°37′E
(US CH 81086)

506 (INT 506) 2Ed. 2/3/96 LAST NM 18/00 20/05
Delete R Bn (AERO) 15°08′N 145°44′E
(NOS)

★**506** (INT 506) 2Ed. 2/3/96 LAST NM 20/05 26/05
Add Depth 3083 meters "Rep (2004)" 15°22′N 160°54′E
Depth 3346 meters "Rep (2004)" 16°01′N 170°51′E
(NTM0025/2005)

506 (INT 506) 2Ed. 2/3/96 LAST NM 26/05 34/05
Add Depth 211 meters "Rep" [I4] 12°37′N 145°31′E
Depth 437 meters "Rep" [I4] 13°41′N 145°30′E
Depth 428 meters "Rep" [I4] 15°00′N 144°17′E
(BA CH 764)

506 (INT 506) 2Ed. 2/3/96 LAST NM 34/05 49/05
Add Dashed-line circle "Discolored water Rep" [Ke] 10°07′N 162°52′E
(NTM0037/2005)

506 (INT 506) 2Ed. 2/3/96 LAST NM 49/05 4/06
Delete Depth 437 meters "Rep" 13°41′N 145°30′E
(See 34/05-506)

Add Depth 565 meters 15°38′N 148°31′E
(NTM0007/2006; BA CH 764)

506 (INT 506) 2Ed. 2/3/96 LAST NM 4/06 9/06
Add Danger circle "Obstn" [K40] 8°20′N 148°09′E
(NTM0009/2006)

506 (INT 506) 2Ed. 2/3/96 LAST NM 9/06 14/06
Add Danger circle "Obstn" [K40] 7°17′N 145°44′E

Danger area "Obstn" [K40] with blue tint bound by dotted line joining 8°24′N 148°10′E
8°34′N 148°32′E
8°27′N 148°29′E
8°23′N 148°23′E
(NTM0009/2006)

506 (INT 506) 2Ed. 2/3/96 LAST NM 14/06 13/08
Add Dashed-line circle [Ke] "Discolored water Rep (2008)" 8°26′N 145°51′E
(NTM0007/2008)

506 (INT 506) 2Ed. 2/3/96 LAST NM 13/08 19/08
Add Depth 498 meters enclosed by depth contour (1000-meter) 1°06′S 148°02′E
(NTM0026/2007)

506 (INT 506) 2Ed. 2/3/96 LAST NM 19/08 24/08
Add Depth 345 meters 7°15′N 147°45′E
Depth 593 meters 8°24′N 147°54′E
Depth 275 meters 8°20′N 147°50′E
Depth 409 meters 1°06′N 148°50′E
(NTM0026/2007)

506 (INT 506) 2Ed. 2/3/96 LAST NM 24/08 38/08
Substitute Depth 35 meters for 42 meters 8°28′N 145°38′E

Add Depth 32 meters 8°23′N 145°41′E
and extend danger dot area and blue tint E to enclose
(NTM0026/2007)

506 (INT 506) 2Ed. 2/3/96 LAST NM 38/08 39/08
Add Depth 200 meters 7°48′N 147°04′E
Depth 464 meters 7°29′N 147°24′E
Depth 526 meters 7°48′N 148°10′E
Depth 322 meters 7°18′N 146°53′E
(NTM0026/2007)

★**506** (INT 506) 2Ed. 2/3/96 LAST NM 39/08 46/08
Substitute Depth 1280 meters for 1720 meters 16°34′N 167°12′E
Depth 865 meters for 934 meters 19°20′N 167°31′E

Add Depth 1410 meters 11°41′N 161°38′E
Depth 896 meters 12°11′N 168°53′E

(continued on next page)

506 (Continued) 46/08
Depth 1097 meters 12°05′N 168°50′E
Depth 1218 meters 17°14′N 166°01′E
Depth 1256 meters 17°07′N 162°45′E
Depth 1194 meters 17°00′N 162°36′E
Depth 1141 meters 16°33′N 165°21′E
Depth 1009 meters 19°22′N 167°20′E
Depth 874 meters 19°22′N 167°25′E
Depth 1198 meters 16°34′N 167°07′E
Depth 1146 meters 16°29′N 167°12′E
(NTM0026/2007)

★506 (INT 506) 2Ed. 2/3/96 LAST NM 46/08 52/08
Add Depth 1000 meters 0°53′S 147°45′E
Depth 1285 meters 12°21′N 158°39′E
Depth 1247 meters 12°48′N 157°52′E
Depth 1192 meters 13°57′N 157°36′E
(NTM0026/2007)

★507 (INT 507) 2Ed. 9/14/96 NEW EDITION 50/96
Add Depth
442 meters 9°36′N 140°26′E
407 meters 7°58′N 137°19′E
676 meters 7°44′N 137°03′E
(Previously published 42/96)

Add R Bn (AERO) 9°30′N 138°05′E
7°20′N 134°29′E
(NIMA; BA RA)

507 (INT 507) 2Ed. 9/14/96 LAST NM 50/96 1/97
Add Light symbol 2°00.3′S 139°14.5′E
(GIMM058/96)

507 (INT 507) 2Ed. 9/14/96 LAST NM 1/97 50/97
Add Depth 106 meters 3°28.9′S 143°57.7′E
(20(549)97 Wollongong)

507 (INT 507) 2Ed. 9/14/96 LAST NM 50/97 45/02
Delete Rock awash 9°50′N 116°36′E
Dangerous submerged rock 9°47′N 116°41′E
Rock awash 9°45′N 116°44′E

Add Danger circle [K1] 11°48′N 117°50′E
Danger circle [K1] 11°43′N 117°34′E
(36(3833)02 Taunton)

507 (INT 507) 2Ed. 9/14/96 LAST NM 45/02 20/05
Delete R Bn (AERO) 15°08′N 145°44′E
(NOS)

507 (INT 507) 2Ed. 9/14/96 LAST NM 20/05 9/06
Add Danger circle "Obstn" [K40] 8°20′N 148°09′E
(NTM0009/2006)

507 (INT 507) 2Ed. 9/14/96 LAST NM 9/06 14/06
Add Danger circle "Obstn" [K40] 7°17′N 145°44′E

Danger area "Obstn" [K40] with blue tint
bound by dotted line joining 8°24′N 148°10′E
8°34′N 148°32′E
8°27′N 148°29′E
8°23′N 148°23′E
(NTM0009/2006)

507 (INT 507) 2Ed. 9/14/96 LAST NM 14/06 13/08
Add Dashed-line circle [Ke] "Discolored water Rep
(2008)" 8°26′N 145°51′E
(NTM0007/2008)

507 (INT 507) 2Ed. 9/14/96 LAST NM 13/08 19/08
Add Depth 498 meters enclosed by depth contour
(1000-meter) 1°06′S 148°02′E
(NTM0026/2007)

507 (INT 507) 2Ed. 9/14/96 LAST NM 19/08 24/08
Delete R Bn at light 1°54′N 125°06′E

Add Depth 409 meters 1°06′S 148°50′E
Depth 345 meters 7°14′N 147°45′E
Depth 593 meters 8°24′N 147°54′E
Depth 275 meters 8°20′N 147°50′E
(BA LL; NTM0026/2007)

507 (INT 507) 2Ed. 9/14/96 LAST NM 24/08 38/08
Substitute Depth 35 meters for 42 meters 8°28′N 145°38′E

Add Depth 32 meters 8°23′N 145°41′E
and extend danger dot area and blue tint SE to
enclose
(NTM0026/2007)

★507 (INT 507) 2Ed. 9/14/96 LAST NM 38/08 39/08
Add Depth 11 meters 7°45′N 147°13′E
Depth 200 meters 7°48′N 147°04′E
Depth 464 meters 7°29′N 147°24′E
Depth 526 meters 7°48′N 148°10′E
Depth 322 meters 7°18′N 146°53′E
(NTM0026/2007)

507 (INT 507) 2Ed. 9/14/96 LAST NM 39/08 47/08
Add Depth 11.2 meters Rk [K14.2] 13°27′N 144°37′E
(NOS)

507 (INT 507) 2Ed. 9/14/96 LAST NM 47/08 52/08
Substitute Depth 373 meters for 407 meters 7°58′N 137°19′E

Add Depth 1000 meters 0°53′S 147°45′E
(NTM0026/2007)

★508 (INT 508) 2Ed. 5/18/96 NEW EDITION 33/96
(DMA)

508 (INT 508) 2Ed. 5/18/96 LAST NM 33/96 39/96
Add Light symbol 16°34′N 107°37′E
16°53′N 107°12′E
20°08′N 107°43′E
21°23′N 108°00′E
(24(46)96 Brest)

508 (INT 508) 2Ed. 5/18/96 LAST NM 39/96 40/96
Delete R Bn (AERO) 5°01′N 118°20′E
(BA RA)

508 (INT 508) 2Ed. 5/18/96 LAST NM 40/96 45/96
Delete Dangerous wreck 4°37′S 112°59′E
(39(3218)96 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 45/96 51/96
Add Depth 45 meters 7°36.3′N 108°30.0′E
(43(3560)96 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 51/96 8/97
Substitute Depth
39 meters Wk for 11 meters Wk 2°15′N 104°56′E
20 meters Wk (unsurveyed) for
27 meters Wk 2°38′N 105°13′E
(33(2386)91, 50(4146)96 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 8/97 10/97
Add Dangerous wreck 4°32′N 108°14′E
(1(63)97 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 10/97 30/97
Add Light symbol 21°14′N 107°58′E
(GIMM047/96)

508 (INT 508) 2Ed. 5/18/96 LAST NM 30/97 50/97
Add Submarine cable joining 20°16′N 121°00′E
20°12′N 120°27′E
20°28′N 120°00′E
20°49′N 118°58′E
20°52′N 118°45′E
(31(474)97 Inchon)

508 (INT 508) 2Ed. 5/18/96 LAST NM 50/97 2/99
Substitute Depth 442 meters for 477 meters 16°52′N 114°50′E
(5(329)98 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 2/99 4/99
Delete Depth 1481 meters 13°35′N 112°20′E

Add Depth
469 meters 8°14′N 110°55′E
220 meters 9°19′N 112°15′E
485 meters 8°41′N 112°26′E
475 meters 6°40′N 111°57′E
293 meters 6°16′N 110°17′E
110 meters 5°42′N 111°09′E
305 meters 13°39′N 112°20′E
(12(1032, 1033)98 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 4/99 20/99
Add Danger circle "Obstn" 7°20′S 116°15′E
(26(2286)98 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 20/99 40/99
Add Dangerous wreck 0°37′N 107°50′E
(31(2890)99 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 40/99 42/01
Add Rock awash [K12] "Rep (1999)" (PA) 9°03′N 108°17′E
(NTM0013/2001)

508 (INT 508) 2Ed. 5/18/96 LAST NM 42/01 15/02
Add Depth 30 meters Wk [K26] 1°49′N 108°29′E
(5(482)02 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 15/02 24/02
Add Depth 18 meters "Rep (2002)" [I3.2] 7°12′N 108°37′E
(18(1833)02 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 24/02 45/02
Delete Rock awash 9°50′N 116°36′E
Dangerous submerged rock 9°47′N 116°41′E
Rock awash 9°45′N 116°44′E

Add Danger circle [K1] 11°48′N 117°50′E
Danger circle [K1] 11°43′N 117°34′E

Depth 370 meters enclosed by depth contour
(1000-meter) 11°33′N 113°21′E
Depth 270 meters enclosed by depth contour
(1000-meter) 11°11′N 113°54′E
Depth 198 meters enclosed by depth contour
(200-meter) 10°07′N 112°58′E
(36(3833, 3834)02 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 45/02 52/04
Delete Depth 15 meters 21°35′N 120°34′E
(43(1107)04 Tokyo)

508 (INT 508) 2Ed. 5/18/96 LAST NM 52/04 9/05
Delete Depth 93 meters 21°40′N 120°26′E

Substitute Depth 134 meters for 24 meters 21°28′N 120°42′E
(30(782)04 Tokyo)

508 (INT 508) 2Ed. 5/18/96 LAST NM 9/05 26/05
Add Wreck [K29] 22°17′N 119°48′E
(13/05 Tso-ying)

508 (INT 508) 2Ed. 5/18/96 LAST NM 26/05 50/05
Add Depth 12 meters 1°04′S 106°49′E
(43(1306)05 Tokyo)

508 (INT 508) 2Ed. 5/18/96 LAST NM 50/05 1/06
Add Wreck [K29] 21°57′N 119°28′E
(67/05 Tso-ying)

508 (INT 508) 2Ed. 5/18/96 LAST NM 1/06 4/06
Add Depth 75 meters Wk [K26] 4°18′N 106°05′E
Depth 62 meters Wk [K26] 4°30′N 105°56′E
Depth 26 meters Wk [K26] 1°46′N 108°19′E
(36(269-271)04 Jakarta)

508 (INT 508) 2Ed. 5/18/96 LAST NM 4/06 12/06
Add Wreck [K29] 5°12′S 109°59′E
(36(360)05 Jakarta)

508 (INT 508) 2Ed. 5/18/96 LAST NM 12/06 18/06
Add Wreck [K29] 4°44′S 109°18′E
(2(7)06 Jakarta)

508 (INT 508) 2Ed. 5/18/96 LAST NM 18/06 35/06
Add Danger circle [Ke] "Discol water" centered
3°53′N 105°11′E
(6(93)06 Kuala Lumpur)

508 (INT 508) 2Ed. 5/18/96 LAST NM 35/06 9/07
Add Wreck [K29] 21°59′N 120°17′E
Wreck [K29] 21°55′N 119°55′E
(168, 171/06 Tso-ying)

508 (INT 508) 2Ed. 5/18/96 LAST NM 9/07 19/08
Add Depth 69 meters "Rep (2001)" [I3.2] 6°31′S 104°46′E
(5(523)08 Taunton)

508 (INT 508) 2Ed. 5/18/96 LAST NM 19/08 46/08
Substitute Depth 147 meters for 7.5 meters 7°14′N 108°57′E
and delete danger circle and blue tint

Depth 171 meters for 13 meters 7°22′N 109°01′E
and delete blue tint and enclosing depth contour
(NTM0005/2008)

★**509** (INT 509) 4Ed. 7/2/94 NEW EDITION 39/94
Add Light flare symbol to light star 41°15′N 140°21′E
(DMAHTC; Jpn LL)

509 (INT 509) 4Ed. 7/2/94 LAST NM 39/94 48/94
Add R Bn (AERO) 37°45′N 128°57′E
38°09′N 128°36′E
(ROK CH 154, 155; ROK LL)

509 (INT 509) 4Ed. 7/2/94 LAST NM 48/94 37/95
Relocate Superbuoy ODAS close W to 29°29′N 124°00′E
(26(2087)95 Taunton)

509 (INT 509) 4Ed. 7/2/94 LAST NM 37/95 42/95
Add Dangerous wreck 37°35.1′N 122°45.5′E
(14(93)95 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 42/95 8/96
Add Dangerous wreck 34°02′N 121°53′E
35°34′N 120°55′E
(23(153, 156)95 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 8/96 18/96
Add Light symbol 29°26.8′N 129°37.0′E
(14(656)96 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 18/96 22/96
Delete R Bn at light 35°08′N 139°41′E
(16(32)96 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 22/96 41/96
Add Dangerous wreck 34°36′N 121°26′E
(16(142)96 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 41/96 5/97
Delete Dangerous wreck 34°02′N 121°53′E
(See 8/96-509)
(23(185)96 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 5/97 19/97
Add Dangerous wreck 30°48′N 124°37′E
28°24′N 123°50′E
(7(294, 295)97 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 19/97 24/97
Add R Bn at light 35°08′N 139°41′E
(14(22)97 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 24/97 31/97
Add Depth 78 meters 29°55′N 127°03′E
(11(119)97 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 31/97 50/97
Add Submarine cable
joining 34°46′N 128°39′E
34°43′N 128°48′E
34°34′N 128°52′E
34°22′N 128°45′E
34°00′N 128°31′E
32°42′N 128°02′E
32°31′N 128°02′E
32°13′N 128°04′E
31°43′N 128°10′E
31°23′N 128°14′E
30°59′N 129°27′E
30°57′N 130°06′E
30°50′N 130°36′E
30°55′N 130°59′E
30°56′N 131°14′E
31°00′N 131°35′E
30°57′N 131°52′E
30°54′N 132°04′E
30°54′N 132°11′E
31°02′N 132°35′E
31°01′N 132°52′E

joining 31°23′N 128°14′E
31°05′N 128°05′E
30°30′N 128°06′E
29°49′N 128°01′E
28°10′N 127°09′E
27°49′N 126°49′E
27°12′N 126°25′E
26°18′N 126°05′E
25°58′N 126°53′E
25°01′N 127°07′E
24°11′N 126°14′E
23°44′N 125°21′E
22°50′N 124°17′E
22°11′N 123°50′E
21°32′N 122°16′E
20°50′N 121°36′E
20°16′N 120°59′E
20°12′N 120°27′E
20°28′N 120°00′E
20°49′N 118°58′E
20°52′N 118°45′E
(31(473, 474)97 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 50/97 7/98
Add Wreck 33°38.3′N 122°33.0′E
(23(231)97 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 7/98 28/98
Delete Light 37°39′N 125°41′E
(16(282)98 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 28/98 37/98
Add Dangerous wreck 32°40.4′N 122°59.8′E
(14(126)98 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 37/98 45/98
Add Legend "(see Note)" 20°17′N 135°45′E

Note in right upper margin of chart
"OKI-NO-TORI SHIMA
Mariners are advised that Oki-No-Tori
Shima (20°25′N 136°05′E) should be given
a wide berth. See Sailing Directions."
(4(317)98 Taunton)

509 (INT 509) 4Ed. 7/2/94 LAST NM 45/98 52/98
Delete Depth 47 meters 30°33′N 126°18′E
(32(1344)98 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 52/98 6/99
Substitute Depth
14.5 meters for 53 meters 30°12′N 130°03′E
2.1 meters Rk for 3.2 meters 30°03′N 129°52′E
50 meters for 93 meters 29°22′N 129°05′E
(50(2069, 2070)98 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 6/99 8/99
Add Depth 26 meters "Rep" 24°01′N 123°35′E
(GIMM007/99)

509 (INT 509) 4Ed. 7/2/94 LAST NM 8/99 20/99
Delete Depth 57 meters 33°00′N 139°45′E
(9(347)99 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 20/99 21/99
Add Racon at light 37°15′N 131°52′E
(12(120)99 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 21/99 32/99
Substitute Depth 50 meters for dangerous submerged rock
31°55′N 140°02′E
(25(1087)99 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 38/99 40/99
Delete Depth 50 meters 30°58′N 138°58′E

Add Depth 168 meters 31°00′N 139°00′E
(34(1382)99 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 40/99 47/99
Add Light symbol 42°19′N 130°40′E
(48(7510)98 St. Petersburg)

509 (INT 509) 4Ed. 7/2/94 LAST NM 47/99 32/00
Delete R Bn at light 34°13′N 125°51′E
(24(295)00 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 32/00 14/02
Add Depth 424 meters enclosed by depth contour
(1000-meter) 16°32′N 129°37′E
(13(1402)01 Taunton)

509 (INT 509) 4Ed. 7/2/94 LAST NM 14/02 52/04
Delete Depth 15.8 meters 21°35′N 120°34′E
Depth 20 meters 21°20′N 121°19′E
(43(1107)04 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 52/04 9/05
Delete Depth 20 meters 21°32′N 121°16′E
Depth 93 meters 21°40′N 120°26′E

Substitute Depth 134 meters for 24 meters 21°28′N 120°42′E
(30(782)04 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 9/05 51/05
Add Dangerous wreck [K28] 25°28′N 120°22′E
(44(1323)05 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 51/05 53/05
Add Danger circle [K1] "seismometer" 33°46′N 137°36′E
(BA CH 996)

509 (INT 509) 4Ed. 7/2/94 LAST NM 53/05 19/06
Add Wreck [K29] (PA) 31°51′N 126°32′E
(12(154)06 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 19/06 24/06
Delete Dangerous wreck 34°05′N 128°05′E

Add Depth 45 meters Wk [K26] 34°28′N 128°08′E
(2(35)06 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 24/06 27/06
Delete Submarine cable between 33°26′N 126°55′E
20°45′N 118°15′E
(2(37)06 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 27/06 29/06
Add Wreck [K29] 33°54′N 125°44′E
(49(814)05 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 29/06 33/06
Add Racon [S3.1] at light 37°28′N 130°53′E
(29(420)06 Inchon)

509 (INT 509) 4Ed. 7/2/94 LAST NM 35/06 36/06
Delete Dangerous wreck 28°29′N 122°06′E
(18(348)06 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 36/06 39/06
Add Wreck [K29] 38°41′N 120°59′E
(26(530)06 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 39/06 42/06
Delete R Bn 38°57′N 139°49′E

Legend "R Bn" at light 33°15′N 134°11′E
Note: Ramark remains

Add Wreck [K29] 37°50′N 124°37′E
(35(516)06 Inchon; 36(1063, 1066)06 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 43/06 45/06
Add Dangerous wreck [K28] 39°45′N 120°11′E
(34(744)06 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 45/06 47/06
Add Platform lighted [L10] "CEP" 28°31′N 125°01′E
Platform lighted [L10] "CHX" 28°21′N 124°56′E
(13(230)06 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 47/06 12/07
Add Depth 32 meters Wk [K26] 29°56′N 122°50′E
(5(71)06 Tianjin)

509 (INT 509) 4Ed. 7/2/94 LAST NM 12/07 28/08
Delete R Bn 34°53′N 132°02′E
(22(744)08 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 28/08 38/08
Add Depth 22 meters "Rep (2008)" [I3.2] 25°26′N 123°14′E
(NTM0010/2008)

509 (INT 509) 4Ed. 7/2/94 LAST NM 38/08 23/09
Delete Light symbol 41°48′N 140°05′E
(8(301)09 Tokyo)

509 (INT 509) 4Ed. 7/2/94 LAST NM 23/09 29/09
Substitute Depth 517 meters for 320 meters 25°08′N 135°41′E

Add Depth 733 meters 25°31′N 135°27′E
(NTM0011/2009)

★**510** (INT 510) 3Ed. 5/25/96 NEW EDITION 36/96
Delete RC at light 35°08′N 139°41′E
RC (AERO) 35°37′N 135°05′E
(DMA; 16(32)96 Tokyo; Jpn LL)

510 (INT 510) 3Ed. 5/25/96 LAST NM 36/96 4/97
Delete Depth 612 meters 23°06′N 142°21′E

Substitute Depth
99 meters for 214 meters 23°45′N 141°44′E
92 meters for 370 meters
"Rep (1982)" 23°05′N 142°20′E

Add Depth 94 meters 22°12′N 141°52′E
(46(3818)96 Taunton)

510 (INT 510) 3Ed. 5/25/96 LAST NM 4/97 6/97
Add Legend "Kita-Hukutoku Tai (Vol)" to
depth 73 meters 24°25′N 141°25′E
(51(2392)96 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 6/97 24/97
Add RC at light 35°08′N 139°41′E
(See 36/96-510)
(14(22)97 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 24/97 45/98
Add Legend "(see Note)" 20°17′N 135°45′E
Note in left upper margin of chart
"OKI-NO-TORI SHIMA
Mariners are advised that Oki-No-Tori
Shima (20°25′N 136°05′E) should be given
a wide berth. See Sailing Directions."
(4(317)98 Taunton)

510 (INT 510) 3Ed. 5/25/96 LAST NM 45/98 20/99
Delete Depth 57 meters 33°00′N 139°45′E
(9(347)99 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 20/99 32/99
Substitute Depth 50 meters for 22.5 meters 31°55′N 140°02′E
(25(1087)99 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 32/99 40/99
Delete Depth 50 meters 30°58′N 138°58′E

Add Depth 168 meters 31°00′N 139°00′E
(34(1382)99 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 40/99 18/00
Change Legend to "Asuncion I. (891) Rep 2 miles north
(1969)" 19°41′N 145°42′E
(US CH 81086)

510 (INT 510) 3Ed. 5/25/96 LAST NM 18/00 40/03
Add Dashed-line circle with blue tint and legend
"Discolored Water Reported (2003)" (PA)
24°18′N 141°59′E
(NTM0028/2003)

510 (INT 510) 3Ed. 5/25/96 LAST NM 40/03 17/04
Delete Depth 1230 meters 41°28′N 144°17′E
(7(186)04 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 17/04 20/05
Delete R C (AERO) 15°08′N 145°44′E
(NOS)

510 (INT 510) 3Ed. 5/25/96 LAST NM 20/05 29/05
Add Dashed-line circle [Ke]
"Discolored water Rep (2005)" 24°17′N 141°29′E
(NTM0026/2005)

510 (INT 510) 3Ed. 5/25/96 LAST NM 29/05 34/05
Add Depth 437 meters "Rep" [I4] 13°41′N 145°30′E
Depth 428 meters "Rep" [I4] 15°00′N 144°17′E
(BA CH 764)

510 (INT 510) 3Ed. 5/25/96 LAST NM 34/05 4/06
Delete Depth 437 meters "Rep" 13°41′N 145°30′E
(See 34/05-510)
(NTM0007/2006)

510 (INT 510) 3Ed. 5/25/96 LAST NM 4/06 42/06
Delete RC at light 38°57′N 139°49′E
Legend "RW" at light 38°17′N 141°35′E
Note: Ramark remains
(36(1063, 1064)06 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 42/06 32/08
Delete Purple circle at light 38°17′N 141°35′E
(25(874)08 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 32/08 23/09
Delete Light symbol 41°48′N 140°05′E
(8(301)09 Tokyo)

510 (INT 510) 3Ed. 5/25/96 LAST NM 23/09 29/09
Substitute Depth 517 meters for 320 meters 25°08′N 135°41′E

Add Depth 733 meters 25°31′N 135°27′E
(NTM0011/2009)

★**511** (INT 511) 4Ed. 2/10/96 NEW EDITION 16/96
Delete R Bn 42°43′N 130°57′E
Light symbol 51°44′N 143°20′E
Position circle 42°18′N 143°20′E

Substitute Position circle for light symbol 37°45′N 128°57′E
38°09′N 128°36′E
Note: R Bn remains

Position circle for light star 51°57′N 143°08′E
Note: R Bn remains

Change Legend to
"(administered by Russia)" 48°39′N 152°30′E
(DMA; BA LL; BA RA)

511 (INT 511) 4Ed. 2/10/96 LAST NM 16/96 25/96
Delete Depth
106 meters 46°18′N 150°17′E
882 meters 45°58′N 149°31′E

Add Light symbol 46°49.6′N 151°52.3′E
Danger circle "Vol Activity (1980)" 46°31.8′N 151°46.7′E

Depth
92 meters 46°17.3′N 150°16.2′E
541 meters 45°57.9′N 149°24.0′E
(17(1439)96 Taunton)

511 (INT 511) 4Ed. 2/10/96 LAST NM 25/96 33/96
Add Light flare symbol to R Bn 45°26′N 147°55′E
(27(2251)96 Taunton)

511 (INT 511) 4Ed. 2/10/96 LAST NM 33/96 18/97
Add R Bn 48°05′N 153°17′E
R Bn at light 43°02′N 131°57′E
(BA RA)

511 (INT 511) 4Ed. 2/10/96 LAST NM 18/97 41/97
Delete Danger circle "Vol" 46°05′N 151°31′E
Depth 81 meters 46°31′N 151°26′E
(Rus CH 62274)

511 (INT 511) 4Ed. 2/10/96 LAST NM 41/97 21/99
Add Racon at light 37°15′N 131°52′E
(12(120)99 Inchon)

511 (INT 511) 4Ed. 2/10/96 LAST NM 21/99 25/99
Delete Depth 5 meters R 44°46.7′N 140°20.3′E
Add Depth 9.2 meters 44°47.9′N 140°18.5′E
(19(800)99 Tokyo)

511 (INT 511) 4Ed. 2/10/96 LAST NM 25/99 47/99
Add Light symbol 42°19′N 130°40′E
(48(7510)98 St. Petersburg)

511 (INT 511) 4Ed. 2/10/96 LAST NM 47/99 17/04
Delete Depth 1230 meters 41°28′N 144°17′E
(7(186)04 Tokyo)

511 (INT 511) 4Ed. 2/10/96 LAST NM 17/04 33/06
Add Racon [S3.1] at light 37°28′N 130°53′E
(29(420)06 Inchon)

511 (INT 511) 4Ed. 2/10/96 LAST NM 33/06 42/06
Delete R Bn 38°57′N 139°49′E
Legend "R Bn" at light 38°17′N 141°35′E
Note: Ramark remains
(36(1063, 1064)06 Tokyo)

511 (INT 511) 4Ed. 2/10/96 LAST NM 42/06 32/08
Delete Ramark at light 42°57′N 144°52′E
Ramark at light 38°17′N 141°35′E
Ramark at light 36°59′N 141°00′E
(25(867, 874, 875)08 Tokyo)

511 (INT 511) 4Ed. 2/10/96 LAST NM 32/08 23/09
Delete Light symbol 41°48′N 140°05′E
(8(301)09 Tokyo)

511 (INT 511) 4Ed. 2/10/96 LAST NM 23/09 24/09
Delete R Bn and Ramark at light 43°22′N 140°29′E
(47(1646)08 Tokyo)

★**512** (INT 512) 2Ed. 5/18/96 NEW EDITION 31/96
(DMA)

512 (INT 512) 2Ed. 5/18/96 LAST NM 31/96 32/96
Add Depth 12 meters "Rep (1986)" 55°31.3′N 145°49.5′E

Submarine cable joining 59°34.0′N 151°16.0′E
59°07.5′N 151°03.0′E
58°49.5′N 151°01.0′E
58°46.3′N 151°06.0′E
57°18.0′N 156°24.5′E
57°08.3′N 156°47.5′E
(24(1995)96 Taunton)

512 (INT 512) 2Ed. 5/18/96 LAST NM 32/96 21/97
Substitute Light with RC symbol for radiobeacon 59°10′N 146°03′E
55°12′N 137°38′E
53°58′N 140°18′E
(10(906)97 Taunton)

512 (INT 512) 2Ed. 5/18/96 LAST NM 21/97 22/97
Delete RC 53°18′N 141°30′E

Add Light symbol with RC 53°18′N 141°25′E
(46(7341)91 St. Petersburg; BA LL)

512 (INT 512) 2Ed. 5/18/96 LAST NM 22/97 52/99
Delete R Bn 55°12′N 137°38′E
(14(1962)98 St. Petersburg)

512 (INT 512) 2Ed. 5/18/96 LAST NM 52/99 11/04
Delete RC 57°10′N 156°34′E
(25(3965)03 St. Petersburg)

512 (INT 512) 2Ed. 5/18/96 LAST NM 11/04 20/04
Delete RC at light 54°44′N 162°07′E
(36(5870)03 St. Petersburg)

512 (INT 512) 2Ed. 5/18/96 LAST NM 20/04 35/07
Delete RC at light 57°45′N 163°18′E
(NTM0011/2007)

★**513** (INT 813) 7Ed. 6/04 NEW EDITION 34/04
(NOS)

513 (INT 813) 7Ed. 6/04 LAST NM 34/04 44/04
Add Superbuoy ODAS [Q58] "46071" Y,
Fl(4) Y 20s 51°19′N 179°06′E
(NTM0002/2004)

513 (INT 813) 7Ed. 6/04 LAST NM 44/04 27/05
Relocate Superbuoy ODAS "46071" from
51°19′N 179°06′E to 51°10′N 179°01′E
(See 44/04-513)
(20/05 CG17)

513 (INT 813) 7Ed. 6/04 LAST NM 27/05 28/05
Add Superbuoy ODAS [Q58] "46073" Y,
Fl(4) Y 20s 54°57′N 172°02′W
(NOS)

513 (INT 813) 7Ed. 6/04 LAST NM 28/05 2/08
Add Superbuoy DART [Q26] "21415" RW,
Fl(4) Y 20s 50°10′N 171°50′W
(31/07 CG17)

513 (INT 813) 7Ed. 6/04 LAST NM 2/08 28/08
Delete Superbuoy ODAS "46402" 50°36′N 165°10′W

Add Superbuoy ODAS [Q58] "46402" Y,
Fl(4) Y 20s (PA) 51°04′N 164°00′W
Superbuoy ODAS [Q58] "46408" Y,
Fl(4) Y 20s (PA) 49°37′N 169°52′W

(continued on next page)

513 (Continued) 28/08
Superbuoy ODAS [Q58] "46413" Y,
Fl(4) Y 20s (Priv) (PA) 48°52′N 175°35′W
(34, 40, 43/06 CG17)

513 (INT 813) 7Ed. 6/04 LAST NM 28/08 42/08
Add Superbuoy ODAS [Q58] "46070" Y,
Fl(4) Y 20s (Priv) (PA) 55°00′N 175°17′E
Superbuoy ODAS [Q58] "21414" Y,
Fl(4) Y 20s (Priv) (PA) 48°57′N 178°16′E
(39/08 CG17)

513 (INT 813) 7Ed. 6/04 LAST NM 42/08 43/08
Delete Superbuoy DART "21415" 50°10′N 171°50′W
(Supersedes 2/08-513)

Change Superbuoy ODAS to DART "21414" RW,
Fl(4) Y 20s (Priv) (PA) 48°57′N 178°16′E
(See 42/08-513)

Add Superbuoy DART [Q26] "21415" RW,
Fl(4) Y 20s (Priv) (PA) 50°10′N 171°50′E
(40/08 CG17)

513 (INT 813) 7Ed. 6/04 LAST NM 43/08 4/09
Relocate Superbuoy ODAS "46413" from
48°52′N 175°35′W to 48°40′N 174°36′W
(See 28/08-513)
(52/08 CG17)

★**514** (INT 814) 7Ed. 1/04 NEW EDITION 16/04
Delete R Bn 64°24′N 172°15′W
R Bn 64°20′N 173°34′W
(Previously published 15/04)

Delete Depth 2 meters and legend "Tenedos Shoal"
64°16′N 178°00′W

Depth 29 meters 64°52′N 179°25′W
Depth 26 meters 64°57′N 176°19′W
Depth 24 meters 64°42′N 175°35′W
(NOS; 34(5550, 5551)03 St. Petersburg)

★**520** 127Ed. 8/22/81 NEW EDITION 41/81
(DMAHTC)

520 127Ed. 8/22/81 LAST NM 41/81 5/83
Delete Depth 8¾ fathoms "Rep (1975)" 16°30.6′N 116°50.0′W
(NVS6842/83)

520 127Ed. 8/22/81 LAST NM 5/83 43/83
Add Depths
320 fathoms 30°27′N 122°45′W
692 fathoms 30°37′N 123°14′W
(NVS6883/83)

520 127Ed. 8/22/81 LAST NM 43/83 12/84
Add Depth 92 fathoms 54°39′N 150°26′W
(NVS7208/84)

★**520** 127Ed. 8/22/81 LAST NM 12/84 26/84
Add Depths
121 fathoms "Rep (1976)" (PA) 52°09′N 131°34′W
94 fathoms "Rep (1976)" (PA) 57°44′N 149°58′W
(NVS7272/84)

520 127Ed. 8/22/81 LAST NM 26/84 52/84
Add Superbuoys, each ODAS, yellow,
Fl(4) Y 20s
"51002" 17°11.4′N 157°49.8′W
"51003" 19°11.0′N 160°49.2′W
"51004" 17°31.9′N 152°37.1′W
(39, 46, 47/84 CG14)

520 127Ed. 8/22/81 LAST NM 52/84 19/85
Add Depth 120 fathoms "Rep (1984)" 9°29′N 160°58′W
(NVS7391/85)

520 127Ed. 8/22/81 LAST NM 19/85 40/85
Add Purple dashed line
(recommended route)
joining 35°00.0′N 123°00.0′W
59°15.0′N 144°03.0′W
59°58.3′N 145°30.6′W
60°13.0′N 146°39.8′W

joining 60°12.2′N 146°41.0′W
59°56.0′N 145°40.0′W
59°15.0′N 144°25.0′W
35°00.0′N 123°23.0′W

between 37°57.3′N 123°03.2′W
39°53.0′N 126°31.5′W

between 40°06.0′N 127°05.0′W
37°54.6′N 123°05.3′W

joining 48°31.6′N 124°59.0′W
48°50.0′N 129°10.0′W
59°15.0′N 144°03.5′W

joining 59°15.0′N 144°25.0′W
48°30.0′N 130°00.0′W
48°28.0′N 124°59.0′W

Purple open-outlined dashed arrows
indicating flow of traffic oriented
330.1° 38°00.0′N 125°00.0′W
330.1° 50°00.0′N 134°30.0′W
150.1° 49°30.0′N 135°00.0′W
150.1° 37°00.0′N 125°00.0′W
276.3° 48°55.0′N 127°40.0′W
090.6° 48°15.0′N 127°10.0′W
320.2° 53°30.0′N 135°00.0′W
141.9° 52°20.0′N 135°00.0′W
305.0° 39°20.0′N 125°00.0′W
125.2° 38°45.0′N 125°00.0′W
Note
"NOTE A
US Trans-Alaskan Pipeline System
(TAPS) routes are recommended for
routing of tank vessels between the
Port of Valdez, AK and US west coast
ports. These are not IMO adopted
recommended routes." 54°20.0′N 120°00.0′W

Legends "See Note A" 45°00.0′N 130°40.0′W
52°40.2′N 135°00.0′W
(HNNM7457/85)

520 127Ed. 8/22/81 LAST NM 40/85 45/87
Add Superbuoy ODAS "46184", yellow,
Fl(5) Y 20s 53°55.2′N 138°51.3′W
(38/87 CG17)

520 127Ed. 8/22/81 LAST NM 45/87 46/87
Add Depth 12 fathoms 57°35.8′N 136°20.8′W
(MCNM7983/87)

520 127Ed. 8/22/81 LAST NM 46/87 47/87
Add Superbuoy ODAS "46036", yellow,
Fl(5) Y 20s 48°18.8′N 133°50.5′W
(39/87 CG13)

520 127Ed. 8/22/81 LAST NM 47/87 50/87
Delete Purple dashed lines
(recommended route)
joining 60°12.2′N 146°41.0′W
59°56.0′N 145°40.0′W
59°15.0′N 144°25.0′W

joining 60°13.0′N 146°39.8′W
59°58.3′N 145°30.6′W
59°15.0′N 144°03.0′W
(MCNM8024/87)

520 127Ed. 8/22/81 LAST NM 50/87 11/88
Add Depth 255 fathoms 21°54′N 159°56′W
(MCNM8066/88)

520 127Ed. 8/22/81 LAST NM 11/88 32/88
Delete R Bn 48°55′N 125°32′W
(21(399)88 Ottawa)

520 127Ed. 8/22/81 LAST NM 32/88 27/89
Delete Purple dashed lines (recommended route) and directional
arrows between 59°15′N 144°25′W
35°00′N 123°20′W

joining 59°15′N 144°25′W
48°45′N 129°40′W
48°30′N 124°58′W

between 40°00′N 126°45′W
38°00′N 123°00′W

Legends "See Note A" 45°00′N 130°40′W
52°40′N 135°00′W

Note A 54°20′N 120°00′W
(MCNM1068/89)

520 127Ed. 8/22/81 LAST NM 27/89 32/89
Substitute Depth 8 fathoms for 15 fathoms 53°19′N 135°40′W
(MCNM1082/89)

520 127Ed. 8/22/81 LAST NM 32/89 36/89
Add Depth 243 fathoms 29°03′N 116°09′W
(MCNM1093/89)

520 127Ed. 8/22/81 LAST NM 36/89 7/90
Add Superbuoys, each ODAS, Y, Fl(5) Y
"46204" 51°22′N 128°45′W
"46208" 52°30′N 132°42′W
"46004" 50°56′N 135°49′W
(38(817, 819)89 Ottawa)

520 127Ed. 8/22/81 LAST NM 7/90 8/90
Add Superbuoy ODAS "46207" Y, Fl(5) Y 50°52′N 129°55′W
(39(837)89 Ottawa)

520 127Ed. 8/22/81 LAST NM 8/90 11/91
Add Submarine cable joining 59°50′N 149°28′W
59°28′N 149°12′W
59°00′N 148°47′W
58°55′N 148°38′W
58°53′N 148°33′W
58°52′N 148°31′W
58°41′N 148°11′W
58°39′N 148°05′W
(7/91 CG17)

520 127Ed. 8/22/81 LAST NM 11/91 22/91
Relocate Superbuoy ODAS "51004"
(17°31.9N 152°37.1′W) to 17°32.3′N 152°28.7′W
(10/91 CG14)

520 127Ed. 8/22/81 LAST NM 22/91 28/91
Add Superbuoys, each ODAS Y, Fl(5) Y 20s
"46205" 54°10.0′N 134°20.0′W
"46185" 52°25.2′N 129°48.0′W
(MCNM1098/91)

520 127Ed. 8/22/81 LAST NM 28/91 34/91
Relocate Superbuoy ODAS "51004"
(17°32.3′N 152°28.7′W) to 17°26.1′N 152°20.4′W
(See 22/91-520)
(30/91 CG14)

520 127Ed. 8/22/81 LAST NM 34/91 36/91
Relocate Superbuoy ODAS "51003"
(19°11.0′N 160°49.2′W) to 19°15.5′N 160°47.3′W
(MCNM1098/91)

520 127Ed. 8/22/81 LAST NM 36/91 13/92
Relocate Superbuoy ODAS "51004"
(17°26.1′N 152°20.4′W) to 17°26.1′N 152°30.4′W
(See 34/91-520)
(10/92 CG14)

520 127Ed. 8/22/81 LAST NM 13/92 52/92
Add Superbuoy ODAS "46006" Y, Fl(4) Y 20s
40°52′N 137°33′W
(MCC1159/92)

520 127Ed. 8/22/81 LAST NM 52/92 15/93
Delete R Bn 48°23.5′N 124°44.2′W
(10/93 CG13)

520 127Ed. 8/22/81 LAST NM 15/93 19/93
Delete R Bn at light 51°54′N 131°00′W
(13(239)93 Ottawa)

520 127Ed. 8/22/81 LAST NM 19/93 26/93
Delete R Bn at light 44°40.6′N 124°04.8′W
(19/93 CG13)

520 127Ed. 8/22/81 LAST NM 26/93 33/93
Delete R Bn 34°35′N 120°39′W

Relocate Superbuoy ODAS "51003"
(19°16′N 160°47′W) to 19°10′N 160°49′W
(29/93 CG11; 28/93 CG14)

520 127Ed. 8/22/81 LAST NM 33/93 34/93
Add Depth 9 fathoms "Rep (1986)" (PA) 27°23′N 114°44′W
(MCC1269/93)

520 127Ed. 8/22/81 LAST NM 34/93 16/94
Delete R Bn 36°18′N 121°54′W
(10/94 CG11)

520 127Ed. 8/22/81 LAST NM 16/94 18/94
Delete R Bn 37°42′N 123°00′W
(12/94 CG11)

520 127Ed. 8/22/81 LAST NM 18/94 28/94
Add Superbuoy ODAS "46132" Y, Fl(5) Y 20s
49°44′N 127°55′W
(10(363)94 Ottawa)

520 127Ed. 8/22/81 LAST NM 28/94 29/94
Delete R Bn 38°54′N 123°45′W
(23/94 CG11)

520 127Ed. 8/22/81 LAST NM 29/94 45/94
Delete R Bn 42°50′N 124°34′W
(38/94 CG13)

520 127Ed. 8/22/81 LAST NM 45/94 47/94
Delete R Bn 47°55′N 124°34′W
47°18′N 124°14′W
(USCG LL)

520 127Ed. 8/22/81 LAST NM 47/94 49/94
Add Superbuoy ODAS "46059" Y,
Fl(4) Y 20s 37°59′N 130°00′W
(43/94 CG11)

520 127Ed. 8/22/81 LAST NM 49/94 26/95
Delete R Bn 32°40′N 117°15′W
(20/95 CG11)

520 127Ed. 8/22/81 LAST NM 26/95 27/95
Delete R Bn 37°11′N 122°20′W
(21/95 CG11)

520 127Ed. 8/22/81 LAST NM 27/95 32/95
Delete R Bn 56°04′N 134°10′W
58°12′N 136°40′W
(25/95 CG17)

520 127Ed. 8/22/81 LAST NM 32/95 34/95
Delete R Bn 35°10′N 120°45′W
(29/95 CG11)

520 127Ed. 8/22/81 LAST NM 34/95 47/96
Delete R Bn 31°48′N 116°50′W
(GIMM049/96)

520 127Ed. 8/22/81 LAST NM 47/96 25/97
Delete R Bn 50°26′N 128°02′W
(5(329)97 Ottawa)

520 127Ed. 8/22/81 LAST NM 25/97 51/97
Delete R Bn 54°15′N 133°03′W
(10(W521)97 Ottawa)

520 127Ed. 8/22/81 LAST NM 51/97 42/98
Delete R Bn 60°14′N 146°39′W
(37/98 CG17)

520 127Ed. 8/22/81 LAST NM 42/98 22/99
Delete Superbuoy ODAS "46004" 50°56′N 135°49′W
(GIMM021/99)

520 127Ed. 8/22/81 LAST NM 22/99 23/00
Substitute Depth 300 fathoms for 320 fathoms 30°27′N 122°45′W
(NTM0013/2000)

520 127Ed. 8/22/81 LAST NM 23/00 29/00
Add Depth 1990 fathoms "Rep (2000)" (PA) 20°34′N 159°23′W
(NTM0013/2000)

520 127Ed. 8/22/81 LAST NM 29/00 31/00
Add Depth 245 fathoms "Rep (2000)" 20°24′N 157°01′W
(NTM0013/2000)

520 127Ed. 8/22/81 LAST NM 31/00 5/02
Add Superbuoy ODAS [Q58] Y, Fl Y 4s 52°34′N 157°10′W
(32/01 CG13)

520 127Ed. 8/22/81 LAST NM 5/02 8/02
Delete R Bn 50°47′N 128°25′W
(Can LL)

520 127Ed. 8/22/81 LAST NM 8/02 20/02
Relocate Superbuoy ODAS "46059" from
37°59′N 130°00′W to 38°02′N 129°56′W
(14/02 CG11)

520 127Ed. 8/22/81 LAST NM 20/02 38/02
Add Superbuoy ODAS [Q58] "46015" Y,
Fl(4) Y 20s 42°44′N 124°50′W
(NTM0031/2002)

★**520** 127Ed. 8/22/81 LAST NM 38/02 34/03
Add Superbuoy ODAS [Q58] "46061" Y,
Fl(4) Y 20s 60°13′N 145°49′W
Superbuoy ODAS [Q58] "46001" Y,
Fl(4) Y 20s 56°18′N 148°10′W
Superbuoy ODAS [Q58] "46066" Y,
Fl(4) Y 20s 53°15′N 155°09′W
Superbuoy ODAS [Q58] "46080" Y,
Fl(4) Y 20s 58°00′N 150°00′W
Superbuoy ODAS [Q58] "46082" Y,
Fl(4) Y 20s 59°37′N 143°40′W
Superbuoy ODAS [Q58] "46083" Y,
Fl(4) Y 20s 58°15′N 138°00′W
Superbuoy ODAS [Q58] "46084" Y,
Fl(4) Y 20s 56°35′N 136°10′W
(26/03 CG17)

520 127Ed. 8/22/81 LAST NM 34/03 40/03
Add Superbuoy ODAS [Q58] "46012" Y,
Fl(4) Y 20s 37°22′N 122°53′W
(35/03 CG11)

520 127Ed. 8/22/81 LAST NM 40/03 41/03
Delete Superbuoy ODAS "46061" 60°13′N 145°49′W
(See 34/03-520)

Add Superbuoy ODAS [Q58] "46061" Y,
Fl(4) Y 20s 60°13′N 146°49′W
(NTM0022/2003)

520 127Ed. 8/22/81 LAST NM 41/03 4/04
Relocate Superbuoy ODAS "46059" from
38°02′N 129°56′W to 38°00′N 129°57′W
(46/03 CG11)

520 127Ed. 8/22/81 LAST NM 4/04 11/04
Add Superbuoy ODAS [Q58] "46069" Y,
Fl(4) Y 20s 33°39′N 120°12′W
(52/03 CG11)

520 127Ed. 8/22/81 LAST NM 11/04 26/04
Relocate Superbuoy ODAS "51002" from
17°11′N 157°47′W to 17°09′N 157°47′W

Add Superbuoy ODAS [Q58] "PICO" Y, Fl Y 4s
(Priv) 20°30′N 158°02′W
(21/04 CG14; NTM0002/2004)

520 127Ed. 8/22/81 LAST NM 26/04 27/04
Add Superbuoy ODAS [Q58] "46022" Y,
Fl(4) Y 20s 40°43′N 124°31′W
(11/04 CG11)

520 127Ed. 8/22/81 LAST NM 27/04 35/04
Add Superbuoy ODAS [Q58] "46002" Y,
Fl(4) Y 20s 42°35′N 130°22′W
(27/04 CG13)

520 127Ed. 8/22/81 LAST NM 35/04 44/04
Relocate Superbuoy ODAS "46066" from
53°15′N 155°09′W to 52°42′N 155°01′W
(34/04 CG17)

520 127Ed. 8/22/81 LAST NM 44/04 8/05
Add Superbuoy ODAS [Q58] "46089" Y,
Fl(4) Y 20s 45°53′N 125°46′W
(46/04 CG13)

520 127Ed. 8/22/81 LAST NM 8/05 26/05
Add Depth 2170 fathoms "Rep (2004)" 19°01′N 134°33′W
(NTM0025/2005)

520 127Ed. 8/22/81 LAST NM 26/05 33/05
Substitute Depth 250 fathoms for 340 fathoms 21°44′N 158°38′W
(NTM0013/2005)

520 127Ed. 8/22/81 LAST NM 33/05 2/06
Add Superbuoy ODAS [Q58] "46050" Y,
Fl(4) Y 20s 44°37′N 124°32′W
Superbuoy ODAS [Q58] "46005" Y,
Fl(4) Y 20s 46°03′N 131°01′W
(NOS)

520 127Ed. 8/22/81 LAST NM 2/06 10/06
Add Danger circle [K1] "Subm buoys (cov 10¾
fms)" 50°00′N 145°00′W
(NTM0010/2006)

520 127Ed. 8/22/81 LAST NM 10/06 18/06
Substitute Depth 34 fathoms for 43 fathoms 32°39′N 117°58′W
Depth 104 fathoms for 105 fathoms 33°00′N 119°33′W

Add Depth 49 fathoms 32°05′N 118°10′W
(NTM0023/2006)

520 127Ed. 8/22/81 LAST NM 18/06 30/06
Add Depth 288 fathoms "Rep (2005)" 31°22′N 118°37′W
(NTM0019/2005)

520 127Ed. 8/22/81 LAST NM 30/06 31/06
Relocate Superbuoy ODAS "46006" from
40°52′N 137°33′W to 40°48′N 137°29′W
Superbuoy ODAS "46022" from
40°43′N 124°31′W to 40°47′N 124°33′W
(3/06 CG11)

520 127Ed. 8/22/81 LAST NM 31/06 47/06
Relocate Superbuoy ODAS "46005" from
46°03′N 131°01′W to 46°01′N 130°58′W
(15/06 CG13)

520 127Ed. 8/22/81 LAST NM 47/06 52/06
Add Superbuoy ODAS [Q58] "46014" Y,
Fl(4) Y 20s 39°12′N 123°58′W
(40/06 CG11)

520 127Ed. 8/22/81 LAST NM 52/06 4/07
Delete Depth 212 fathoms and enclosing depth
contour (1000-fathom) 25°37′N 119°28′W

Add Depth 213 fathoms 25°20′N 119°31′W
Depth 393 fathoms 25°42′N 119°38′W
(NTM0042/2006)

520 127Ed. 8/22/81 LAST NM 4/07 8/07
Add Superbuoy ODAS [Q58] "46419" Y,
Fl(4) Y 20s 48°29′N 129°22′W
(34/06 CG13)

520 127Ed. 8/22/81 LAST NM 8/07 19/07
Add Superbuoy ODAS [Q58] "46411" Y,
Fl(4) Y 20s 39°20′N 127°00′W
Superbuoy ODAS [Q58] "46412" Y,
Fl(4) Y 20s 32°15′N 120°42′W
(12/07 CG11)

520 127Ed. 8/22/81 LAST NM 19/07 34/07
Add Superbuoy ODAS [Q58] "46013" Y,
Fl(4) Y 20s 38°14′N 123°19′W
(26/07 CG11)

520 127Ed. 8/22/81 LAST NM 34/07 36/07
Add Superbuoy ODAS [Q58] "46053" Y,
Fl(4) Y 20s 34°14′N 119°51′W
(9/07 CG11)

520 127Ed. 8/22/81 LAST NM 36/07 46/07
Relocate Superbuoy ODAS "46006" from
40°48′N 137°29′W to 40°53′N 137°27′W
(33/07 CG11)

520 127Ed. 8/22/81 LAST NM 46/07 3/08
Substitute Depth 13 fathoms for 8 fathoms 53°18′N 135°39′W
(NOS)

520 127Ed. 8/22/81 LAST NM 3/08 7/08
Add Depth 359 fathoms "Rep (2007)" 1°17′N 159°57′W

Danger circle [K40] "Shoal rep (2007)", radius
14 miles, centered 8°10′N 160°06′W
(NTM0003/2008)

P 520 127Ed. 8/22/81 LAST NM 7/08 10/08
Add Purple dashed line (PSSA limit) [N1.2]
between 24°07′N 162°00′W
24°02′N 161°41′W

Purple dashed-line greater arc of a circle (PSSA
limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
22°05′N 162°00′W

Legend "PSSA SEE CAUTION" 23°15′N 161°30′W

CAUTION note in lower margin of chart
"CAUTION
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, (MSC IMO, 83rd Session, 2007)."
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO and are effective 0001 UTC 1 May 2008
(NTM0001/2008)

520 127Ed. 8/22/81 LAST NM 10/08 13/08
Delete Buoy "PICO" 20°30′N 158°02′W
(10/08 CG14)

520 127Ed. 8/22/81 LAST NM 10/08 17/08
Add Purple dashed line (PSSA limit) [N1.2]
between 24°07′N 162°00′W
24°02′N 161°41′W

Purple dashed-line greater arc of a circle (PSSA
limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
22°05′N 162°00′W

Legend "PSSA SEE CAUTION" 23°15′N 161°30′W

CAUTION note in lower margin of chart
"CAUTION
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, (MSC IMO, 83rd Session, 2007)".
Note: The above Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-520)
(NTM0001/2008)

520 127Ed. 8/22/81 LAST NM 17/08 33/08
Add Buoy ODAS [Q58] "NOAA PMEL DART",
conical, Fl Y 4s (Priv) 20°32′N 157°50′W
(11/08 CG14)

520 127Ed. 8/22/81 LAST NM 33/08 34/08
Add Depth 73 fathoms 10°33′N 109°35′W
(NTM0004/2007)

520 127Ed. 8/22/81 LAST NM 34/08 43/08
Add Superbuoy DART [Q26] "46403" RW,
Fl(4) Y 20s (Priv) (PA) 52°39′N 156°56′W
(NOS)

520 127Ed. 8/22/81 LAST NM 43/08 6/09
Add Depth 1501 fathoms 19°02′N 157°47′W
(NTM0003/2009)

520 127Ed. 8/22/81 LAST NM 6/09 13/09
Add Dashed-line circle "Discol. water rep (1953)
(PA) (CAUTION NO 1)" [Ke] 28°00′N 115°00′W

Legend "CAUTION NO 2" 18°48′N 111°05′W

Dashed-line circle "Discol. water rep (2009)
(PA) (CAUTION NO 4)" [Ke] 18°59′N 110°48′W

(continued on next page)

520 (Continued) 13/09

CAUTION note in lower margin of chart
"CAUTIONS
1. Possible evidence of a submarine volcano reported in Bahia Sebastian Vizcaino in 1953 and again in 1956. Mariners should exercise caution in this area.
2. A submarine volcano was reported to have formed about 2 miles NW of Punta Tosca in 1993. Depths of 43 fathoms were reported. Mariners should exercise caution in this area.
3. Particularly Sensitive Sea Area (PSSA). All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, (MSC IMO, 83rd Session, 2007).
4. Drifting pumice rafts, possible indicators of submarine volcanic activity, observed northeast of Isla Socorro. Mariners should exercise caution in this area."
(See 17/08-520)
(NTM0033/2001; NTM0015/2009)

520 127Ed. 8/22/81 LAST NM 13/09 22/09
Add Superbuoy ODAS [Q58] "51000" Y, Fl(4) Y 20s 23°28′N 154°00′W

Superbuoy ODAS [Q58] "51100" Y, Fl(4) Y 20s 23°33′N 153°54′W
(18/09 CG14)

520 127Ed. 8/22/81 LAST NM 22/09 23/09
Delete Superbuoy ODAS "46419" 48°29′N 129°22′W

Add Superbuoy ODAS [Q58] "46419" RW, Fl(4) Y 20s 48°48′N 129°36′W
(NOS)

520 127Ed. 8/22/81 LAST NM 23/09 26/09
Add Depth 450 fathoms enclosed by dashed-line circle "Rep (2009)" 54°24′N 134°24′W
(NTM0005/2009)

520 127Ed. 8/22/81 LAST NM 26/09 27/09
Add Wreck [K29] 23°03′N 160°27′W
Wreck [K29] 23°05′N 160°20′W
Wreck [K29] 23°01′N 159°53′W
(NTM0028/2009)

520 127Ed. 8/22/81 LAST NM 27/09 28/09
Add Depth 1920 fathoms 20°04′N 157°00′W
(NTM0032/2009)

520 127Ed. 8/22/81 LAST NM 28/09 32/09
Relocate Superbuoy ODAS "46066" from 52°42′N 155°01′W to 52°44′N 154°58′W
(27/09 CG17)

★521 11Ed. 7/18/81 NEW EDITION 37/81
Add Dashed-line circle "Volcanic activity rep (1978)" 46°06′N 151°30′E
(Previously published 33/81)

Add Depths
6 fathoms "Rep (1978)" 35°35′N 171°17′E
7 fathoms "Rep (1978)" 7°07′N 172°45′E
(Previously published 34/81)
(DMAHTC)

521 11Ed. 7/18/81 LAST NM 37/81 47/81
Delete Depth 768 fathoms 40°45′N 170°13′E
(NVS6528/81)

521 11Ed. 7/18/81 LAST NM 47/81 8/82
Delete Depth 100 fathoms "Rep (1979)" (PA) 19°20′N 173°28′E
(NVS4095/79)

521 11Ed. 7/18/81 LAST NM 8/82 37/82
Add Depth 4¾ fathoms "Rep(1982)" (PA) 59°50′N 166°54′W
(CL871/82)

521 11Ed. 7/18/81 LAST NM 37/82 46/82
Add Depth 294 fathoms 36°46.0′N 171°22.0′E
Legend "ED" to depth 216 fathoms 33°30.0′N 165°20.0′E
(NVS6798/82)

521 11Ed. 7/18/81 LAST NM 46/82 1/83
Delete Depth 145 fathoms "PA (rep 1965)" 31°06′N 175°55′E

Add Legend "Rep (1965)" to 130-fathom depth 30°58′N 175°55′E
(NVS6825/82)

521 11Ed. 7/18/81 LAST NM 1/83 6/83
Add Depth 7 fathoms "Rep (1964)" 55°35′N 165°01′E
(USSR CH 1087)

521 11Ed. 7/18/81 LAST NM 6/83 25/83
Delete Depths
45 fathoms 58°09′N 171°05′E
47 fathoms 58°34′N 171°09′E
50 fathoms 58°56′N 171°15′E
47 fathoms 59°23′N 171°27′E
41 fathoms 59°39′N 171°38′E
(NVS6951/83)

521 11Ed. 7/18/81 LAST NM 25/83 37/83
Delete Depth 100 fathoms 54°42′N 162°40′E
(NVS7020/83)

521 11Ed. 7/18/81 LAST NM 37/83 24/84
Delete Depth 12 fathoms 23°13′N 162°18′E

Danger circles and legends
"Reef (PA-rep 1952)" 22°56′N 162°21′E
"Reef (PA-rep 1952) Uncov" 22°47′N 162°29′E
(NVS7268/84)

521 11Ed. 7/18/81 LAST NM 24/84 5/85
Add Dashed-line circle "Discol water" 20°25′N 152°12′E
(Jpn 1004B)

521 11Ed. 7/18/81 LAST NM 5/85 16/85
Add Depths
84 fathoms 28°19.6′N 178°24.2′W
141 fathoms 29°48.1′N 179°04.8′E
(NVS7424/85)

521 11Ed. 7/18/81 LAST NM 16/85 19/85
Add Depth 120 fathoms "Rep (1984)" 9°29′N 160°58′W
(NVS7391/85)

521 11Ed. 7/18/81 LAST NM 19/85 29/85
Add Depth 42 fathoms 48°18′N 154°30′E
(HNNM7495/85)

521 11Ed. 7/18/81 LAST NM 29/85 10/87
Add Legend "Rep" to dashed-line circle "Discol water" 20°25′N 152°12′E
Depth 2750 fathoms 20°31′N 152°49′E
(MCNM7903, 0001/87; Jpn CH 48)

521 11Ed. 7/18/81 LAST NM 10/87 19/87
Add Depth 44 fathoms 59°09′N 166°09′E
(MCNM0002/87)

521 11Ed. 7/18/81 LAST NM 19/87 11/88
Add Depth 255 fathoms 21°54′N 159°56′W
(MCNM8066/88)

521 11Ed. 7/18/81 LAST NM 11/88 19/88
Add Depth 40 fathoms "Rep 1987" (PA) (ED) 36°17′N 163°16′W
(MCNM8089/88)

521 11Ed. 7/18/81 LAST NM 19/88 43/88
Substitute Depth 92 fathoms 812 fathoms 2°54′N 158°48′W
(MCNM8152/88)

521 11Ed. 7/18/81 LAST NM 43/88 37/89
Add Depth 40 fathoms "Rep (1974)" 27°43′N 175°35′W
(MCNM1071/89)

521 11Ed. 7/18/81 LAST NM 37/89 36/91
Add Superbuoy ODAS "51003" Y, Fl(4) Y 20s
19°16′N 160°47′W
(MCNM1098/91)

521 11Ed. 7/18/81 LAST NM 36/91 3/93
Add Depth 7 fathoms "Rep (1991)" 1°05′N 170°31′E
(MCC1226/93)

521 11Ed. 7/18/81 LAST NM 3/93 7/93
Add Depths
100 fathoms "Rep" 28°50′N 178°55′W
235 fathoms "Rep" 29°40′N 179°21′E
(MCC1160/92)

521 11Ed. 7/18/81 LAST NM 7/93 33/93
Relocate Superbuoy ODAS "51003"
(19°16′N 160°47′W) to 19°10′N 160°49′W
(28/93 CG14)

521 11Ed. 7/18/81 LAST NM 33/93 34/93
Add Danger circle "Breakers Rep (1991)" 0°24′N 152°00′E
(MCC1265/93)

521 11Ed. 7/18/81 LAST NM 34/93 21/94
Delete Dashed line and legend
"UNITED...(1867)" between 60°00′N 179°12′E
50°52′N 167°08′E

Add Purple international maritime boundary
line joining 60°00′N 179°40′W
58°57′N 178°34′E
58°58′N 178°15′E
53°44′N 170°19′E
53°11′N 169°40′E
51°31′N 167°48′E
51°11′N 167°27′E
51°12′N 167°16′E
50°59′N 167°00′E

Legend "RUSSIA" 57°04′N 175°00′E
"UNITED STATES (see note)" 56°54′N 175°20′E

Note in upper center margin of chart
"NOTE
Maritime boundary provisionally applied
pending formal exchange of instruments
of ratification."
(MCC1339/94)

521 11Ed. 7/18/81 LAST NM 21/94 41/95
Delete R Bn (AERO) 7°28′N 151°50′E
7°00′N 158°14′E
(BA RA)

521 11Ed. 7/18/81 LAST NM 41/95 25/96
Delete Depth 58 fathoms 46°17′N 150°12′E

Add Danger circle
"Volcanic Activity Rep (1980)" 46°32′N 151°47′E

Depth 50 fathoms 46°17′N 150°16′E
(17(1439)96 Taunton)

521 11Ed. 7/18/81 LAST NM 25/96 50/96
Add Wreck (PA) 56°49′N 162°36′W
(45/96 CG17)

521 11Ed. 7/18/81 LAST NM 50/96 12/97
Substitute Depth 68 fathoms for 180 fathoms 28°54′N 178°37′W

Add Depth
139 fathoms 28°50′N 179°08′W
218 fathoms 28°52′N 178°52′W
(GIMM015/97)

★**521** 11Ed. 7/18/81 LAST NM 12/97 6/98
Delete Depth 216 fathoms (ED) 33°30′N 165°20′E

Add Depth 116 fathoms 33°29′N 165°37′E
(GIMM011/98)

521 11Ed. 7/18/81 LAST NM 6/98 8/99
Add Depth 569 fathoms 31°12′N 179°38′W
(GIMM001/99)

521 11Ed. 7/18/81 LAST NM 8/99 12/00
Add R Bn (AERO) [S16] 28°12′N 177°23′W
(NOS)

521 11Ed. 7/18/81 LAST NM 12/00 29/00
Add Depth 1990 fathoms "Rep (2000)" (PA) 20°34′N 159°23′W
(NTM0013/2000)

521 11Ed. 7/18/81 LAST NM 29/00 15/01
Add Depth 656 fathoms "Rep (2000)" [I3.2] 5°53′N 165°22′W
(42(4094)00 Taunton)

521 11Ed. 7/18/81 LAST NM 15/01 5/02
Add Superbuoy ODAS [Q58] Y, Fl Y 4s 46°39′N 170°48′W
Superbuoy ODAS [Q58] Y, Fl Y 4s 50°27′N 165°02′W
(32/01 CG13)

521 11Ed. 7/18/81 LAST NM 5/02 17/02
Delete R Bn 57°09′N 170°17′W
(NOS)

521 11Ed. 7/18/81 LAST NM 17/02 34/03
Add Superbuoy ODAS [Q58] "46035" Y,
Fl(4) Y 20s 57°03′N 177°35′W
Superbuoy ODAS [Q58] "46072" Y,
Fl(4) Y 20s 52°02′N 172°05′W
(26/03 CG17)

521 11Ed. 7/18/81 LAST NM 34/03 50/03
Relocate Superbuoy ODAS "46072" from
52°02′N 172°05′W to 51°38′N 172°09′W
(See 34/03-521)
(NTM0022/2003)

521 11Ed. 7/18/81 LAST NM 50/03 11/04
Delete R Bn 57°14′N 156°37′E
(25(3965)03 St. Petersburg)

521 11Ed. 7/18/81 LAST NM 11/04 20/04
Delete R Bn 54°44′N 162°07′E
(36(5870)03 St. Petersburg)

521 11Ed. 7/18/81 LAST NM 20/04 44/04
Add Superbuoy ODAS [Q58] "46071" Y,
Fl(4) Y 20s 51°19′N 179°06′E
(NTM0002/2004)

521 11Ed. 7/18/81 LAST NM 44/04 26/05
Add Depth 1686 fathoms "Rep (2004)" 15°22′N 160°54′E
Depth 1830 fathoms "Rep (2004)" 16°01′N 170°51′E
(NTM0025/2005)

521 11Ed. 7/18/81 LAST NM 26/05 27/05
Relocate Superbuoy ODAS "46071" from
51°19′N 179°06′E to 51°10′N 179°01′E
(See 44/04-521)
(20/05 CG17)

521 11Ed. 7/18/81 LAST NM 27/05 28/05
Add Depth 2110 fathoms "Rep (2005)" 21°55′N 159°42′E
(NTM0023/2005)

521 11Ed. 7/18/81 LAST NM 28/05 33/05
Substitute Depth 250 fathoms for 340 fathoms 21°44′N 158°38′W
(NTM0013/2005)

521 11Ed. 7/18/81 LAST NM 33/05 49/05
Add Dashed-line circle "Discolored water Rep" [Ke] 10°07′N 162°52′E
(NTM0037/2005)

521 11Ed. 7/18/81 LAST NM 49/05 29/06
Add Depth 1383 fathoms "Rep (2005)" 20°22′N 178°15′W
Depth 2608 fathoms "Rep (2005)" 20°28′N 176°31′W
Depth 1587 fathoms "Rep (2005)" 20°28′N 176°22′W
Depth 2250 fathoms "Rep (2005)" 22°45′N 176°17′W
Depth 1984 fathoms "Rep (2005)" 20°11′N 174°17′W
Depth 840 fathoms (PD) 19°35′N 164°59′W
(NTM0024/2006; US CH 19007)

521 11Ed. 7/18/81 LAST NM 29/06 32/07
Delete Dangerous submerged rock and legend "Schjetnan...1945)" in vicinity 16°08′N 178°58′W

Danger circle and legend "Rep...ED)" 16°26′N 178°21′W
(NTM0018/2007)

521 11Ed. 7/18/81 LAST NM 32/07 2/08
Add Superbuoy DART [Q26] "21415" RW, Fl(4) Y 20s 50°10′N 171°50′W
(31/07 CG17)

521 11Ed. 7/18/81 LAST NM 2/08 7/08
Add Depth 359 fathoms "Rep (2007)" 1°17′N 159°57′W
Depth 344 fathoms "Rep (2007)" 2°05′N 164°24′W

Danger circle [K40] "Shoal rep (2007)", radius 14 miles, centered 8°10′N 160°06′W
(NTM0003/2008)

P 521 11Ed. 7/18/81 LAST NM 7/08 10/08
Delete Purple composite line (area to be avoided limit) joining 27°37′N 176°48′W
28°05′N 176°50′W
28°31′N 176°34′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit) joining 26°52′N 173°46′W
26°00′N 172°57′W
25°08′N 174°08′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit) joining 24°52′N 171°54′W
25°50′N 172°42′W
26°34′N 171°40′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit) joining 26°13′N 170°07′W
25°15′N 169°38′W
24°36′N 170°25′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit) joining 25°36′N 167°19′W
24°40′N 167°08′W
24°14′N 168°31′W
Note: Legend "AREA TO BE AVOIDED" remains

Purple composite line (area to be avoided limit) joining 23°07′N 166°55′W
24°15′N 167°08′W
24°34′N 165°48′W
Note: Legend "AREA TO BE AVOIDED" remains

Add Purple composite-line greater arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°25′N 178°20′W
arc joining 27°36′N 178°03′W
29°01′N 177°43′W

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°14′N 177°22′W
arc between 29°01′N 177°43′W
28°31′N 176°34′W

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°14′N 177°22′W
arc between 27°37′N 176°48′W
27°36′N 178°03′W

Purple composite line (area to be avoided limit) [N2.1] between 26°52′N 173°46′W
26°34′N 171°40′W

Purple composite line (area to be avoided limit) [N2.1] between 25°08′N 174°08′W
24°52′N 171°54′W

Purple composite-line greater arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 25°20′N 170°01′W
arc between 26°13′N 170°07′W
24°36′N 170°25′W

Purple composite line (area to be avoided limit) [N2.1] between 25°36′N 167°19′W
24°34′N 165°48′W

Purple composite line (area to be avoided limit) [N2.1] between 24°14′N 168°31′W
23°07′N 166°55′W

Purple dashed line (reporting area outer limit) [N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
26°45′N 171°28′W
26°24′N 170°21′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 26°10′N 168°25′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°35′N 164°47′W
22°48′N 166°38′W
24°04′N 168°28′W
24°26′N 170°45′W
24°47′N 171°53′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 24°10′N 170°00′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°35′N 179°26′W
29°23′N 178°04′W

CAUTION note in right lower margin of chart
"CAUTION
Areas to be Avoided and Reporting Areas
All vessels solely in transit should avoid the limits of the Papahanaumokuakea Particularly Sensitive Sea Area (PSSA). All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, (MSC IMO, 83rd Session, 2007)."
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO and are effective at 0001 UTC 1 May 2008
(NTM0001/2008)

521 11Ed. 7/18/81 LAST NM 10/08 15/08
Delete Superbuoy ODAS 46°39′N 170°48′W
(32/07 CG17)

521 11Ed. 7/18/81 LAST NM 10/08 17/08
Delete Purple composite line (area to be avoided limit)
joining 27°37′N 176°48′W
28°05′N 176°50′W
28°31′N 176°34′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 26°52′N 173°46′W
26°00′N 172°57′W
25°08′N 174°08′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 24°52′N 171°54′W
25°50′N 172°42′W
26°34′N 171°40′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 26°13′N 170°07′W
25°15′N 169°38′W
24°36′N 170°25′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 25°36′N 167°19′W
24°40′N 167°08′W
24°14′N 168°31′W
Note: Legend "AREA TO BE AVOIDED"
remains

Purple composite line (area to be avoided limit)
joining 23°07′N 166°55′W
24°15′N 167°08′W
24°34′N 165°48′W
Note: Legend "AREA TO BE AVOIDED"
remains

Add Purple composite-line greater arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 28°25′N 178°20′W
arc joining 27°36′N 178°03′W
29°01′N 177°43′W

Purple composite-line lesser arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 28°14′N 177°22′W
arc between 29°01′N 177°43′W
28°31′N 176°34′W

Purple composite-line lesser arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 28°14′N 177°22′W
arc between 27°37′N 176°48′W
27°36′N 178°03′W

Purple composite line (area to be avoided limit)
[N2.1] between 26°52′N 173°46′W
26°34′N 171°40′W

Purple composite line (area to be avoided limit)
[N2.1] between 25°08′N 174°08′W
24°52′N 171°54′W

Purple composite-line greater arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 25°20′N 170°01′W
arc between 26°13′N 170°07′W
24°36′N 170°25′W

Purple composite line (area to be avoided limit)
[N2.1] between 25°36′N 167°19′W
24°34′N 165°48′W

Purple composite line (area to be avoided limit)
[N2.1] between 24°14′N 168°31′W
23°07′N 166°55′W

Purple dashed line (reporting area outer limit)
[N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
26°45′N 171°28′W
26°24′N 170°21′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "PSSA Ship Reporting Area SEE
CAUTION" along above limit 26°10′N 168°25′W

Purple dashed-line arc of a circle (reporting
area outer limit) [N1.2], radius 60 miles,
centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit)
[N1.2] joining 22°05′N 162°08′W
22°35′N 164°47′W
22°48′N 166°38′W
24°04′N 168°28′W
24°26′N 170°45′W
24°47′N 171°53′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "PSSA Ship Reporting Area SEE
CAUTION" along above limit 24°10′N 170°00′W

Purple dashed-line arc of a circle (reporting
area outer limit) [N1.2], radius 60 miles,
centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°35′N 179°26′W
29°23′N 178°04′W

CAUTION note in right lower margin of chart
"CAUTION
Areas to be Avoided and Reporting Areas
All vessels solely in transit should avoid the limits of the Papahanaumokuakea Particularly Sensitive Sea Area (PSSA). All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, (MSC IMO, 83rd Session, 2007)".
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-521)
(NTM0001/2008)

521 11Ed. 7/18/81 LAST NM 17/08 33/08
Add Buoy ODAS [Q58] "NOAA PMEL DART",
conical, Fl Y 4s (Priv) 20°32′N 157°50′W
(11/08 CG14)

521 11Ed. 7/18/81 LAST NM 33/08 42/08
Add Superbuoy ODAS [Q58] "46070" Y,
Fl(4) Y 20s (Priv) (PA) 55°00′N 175°17′E
(39/08 CG17)

521 11Ed. 7/18/81 LAST NM 42/08 43/08
Delete Superbuoy DART "21415" 50°10′N 171°50′W
(Supersedes 2/08-521)

Add Superbuoy DART [Q26] "21414" RW,
Fl(4) Y 20s (Priv) (PA) 48°57′N 178°16′E
Superbuoy DART [Q26] "21415" RW,
Fl(4) Y 20s (Priv) (PA) 50°10′N 171°50′E
(40/08 CG17)

★**521** 11Ed. 7/18/81 LAST NM 43/08 46/08
Substitute Depth 771 fathoms for 800 fathoms 11°41′N 161°38′E

Add Depth 490 fathoms 12°11′N 168°53′E
Depth 615 fathoms 21°59′N 175°33′E
Depth 666 fathoms 17°14′N 166°01′E
Depth 653 fathoms 17°00′N 162°36′E
Depth 655 fathoms 16°34′N 167°07′E
Depth 627 fathoms 16°29′N 167°12′E
Depth 624 fathoms 16°33′N 165°21′E
Depth 552 fathoms 19°22′N 167°20′E
Depth 473 fathoms 19°20′N 167°31′E

(continued on next page)

521 (Continued) 46/08
Depth 828 fathoms 18°01′N 178°11′E
Depth 671 fathoms 21°41′N 176°25′E
(NTM0026/2007)

521 11Ed. 7/18/81 LAST NM 46/08 52/08
Substitute Depth 682 fathoms for 725 fathoms 12°48′N 157°55′E

Add Depth 703 fathoms 12°21′N 158°39′E
Depth 652 fathoms 13°57′N 157°36′E
(NTM0026/2007)

521 11Ed. 7/18/81 LAST NM 52/08 4/09
Add Superbuoy ODAS [Q58] "46413" Y,
Fl(4) Y 20s (Priv) (PA) 48°40′N 174°36′W
(52/08 CG17)

521 11Ed. 7/18/81 LAST NM 4/09 22/09
Add Superbuoy ODAS [Q58] "51101" Y,
Fl(4) Y 20s 24°19′N 162°03′W
(18/09 CG14)

521 11Ed. 7/18/81 LAST NM 22/09 27/09
Add Wreck [K29] 23°03′N 160°27′W
Wreck [K29] 23°05′N 160°20′W
Wreck [K29] 23°01′N 159°53′W
(NTM0028/2009)

★**522** 87Ed. 7/13/96 NEW EDITION 36/96
Add Depth 6½ fathoms "Rep (1986)" 55°31.3′N 145°49.5′E
(Previously published 32/96)
(DMA)

522 87Ed. 7/13/96 LAST NM 36/96 40/96
Delete R Bn (AERO) 5°01′N 118°20′E
(BA RA)

522 87Ed. 7/13/96 LAST NM 40/96 41/96
Add Dangerous wreck 34°36′N 121°26′E
(16(142)96 Tianjin)

522 87Ed. 7/13/96 LAST NM 41/96 42/96
Add Depth
241 fathoms 9°36′N 140°26′E
222 fathoms 7°58′N 137°19′E
369 fathoms 7°44′N 137°03′E
(35(2945)96 Taunton)

522 87Ed. 7/13/96 LAST NM 42/96 51/96
Add Depth 24 fathoms 7°36′N 108°30′E
(43(3560)96 Taunton)

522 87Ed. 7/13/96 LAST NM 51/96 4/97
Delete Depth
202 fathoms "Unexamined Rep (1982)"
23°04′N 142°24′E
287 fathoms 22°15′N 141°42′E

Add Depth
54 fathoms 23°45′N 141°44′E
50 fathoms 23°05′N 142°20′E
51 fathoms 22°12′N 141°52′E
(46(3818)96 Taunton)

522 87Ed. 7/13/96 LAST NM 4/97 6/97
Add Depth 40 fathoms with legend
"Kita-Hukutoku Tai (Volcano)" 24°25′N 141°25′E
(51(2392)96 Tokyo)

522 87Ed. 7/13/96 LAST NM 6/97 8/97
Add Depth 10¾ fathoms Wk (unsurveyed) 2°38′N 105°13′E
(50(4146)96 Taunton)

522 87Ed. 7/13/96 LAST NM 8/97 24/97
Add R Bn 35°08′N 139°41′E
(14(22)97 Tokyo)

522 87Ed. 7/13/96 LAST NM 24/97 31/97
Add Depth 42 fathoms 29°55′N 127°03′E
(11(119)97 Tianjin)

522 87Ed. 7/13/96 LAST NM 31/97 42/97
Delete Dotted-line circle "Rep (1964)" 16°18′N 109°20′E
(GIMM048/97)

522 87Ed. 7/13/96 LAST NM 42/97 5/98
Delete Dangerous submerged rock "Rep (1955)" 28°12′N 142°23′E
(36(1640)97 Tokyo)

522 87Ed. 7/13/96 LAST NM 5/98 14/98
Delete Depth 400 fathoms "Rep (1965)" 20°27′N 118°05′E

Add Depth 198 fathoms 20°29′N 117°59′E
(GIMM011/98)

522 87Ed. 7/13/96 LAST NM 14/98 32/98
Delete R Bn 31°59′N 128°21′E
(12(522)98 Tokyo)

522 87Ed. 7/13/96 LAST NM 32/98 52/98
Delete Depth 26 fathoms "Rep (1965)" 30°33′N 126°18′E
(32(1344)98 Tokyo)

522 87Ed. 7/13/96 LAST NM 52/98 2/99
Substitute Depth 241 fathoms for 261 fathoms 16°50′N 114°50′E
(5(329)98 Taunton)

522 87Ed. 7/13/96 LAST NM 2/99 6/99
Substitute Depth 8 fathoms for 10 fathoms 30°12′N 130°03′E

Add Depth 27 fathoms 29°22′N 129°05′E
(50(2069, 2070)98 Tokyo)

522 87Ed. 7/13/96 LAST NM 38/99 52/99
Delete R Bn 55°12′N 137°38′E
(14(1962)98 St. Petersburg)

522 87Ed. 7/13/96 LAST NM 52/99 14/02
Add Depth 232 fathoms 16°32′N 129°37′E
(13(1402)01 Taunton)

522 87Ed. 7/13/96 LAST NM 14/02 18/02
Add Depth 385 fathoms 8°04′N 143°26′E
Depth 314 fathoms 6°53′N 144°49′E
(6(59)02 Wellington)

522 87Ed. 7/13/96 LAST NM 18/02 52/04
Delete Depth 8½ fathoms 21°35′N 120°34′E
Depth 11 fathoms 21°20′N 121°19′E
(43(1107)04 Tokyo)

522 87Ed. 7/13/96 LAST NM 52/04 9/05
Delete Depth 11 fathoms 21°32′N 121°16′E
(30(782)04 Tokyo)

522 87Ed. 7/13/96 LAST NM 9/05 20/05
Delete R Bn (AERO) 15°08′N 145°43′E
(NOS)

522 87Ed. 7/13/96 LAST NM 20/05 34/05
Add Depth 115 fathoms "Rep" [I4] 12°37′N 145°31′E
Depth 239 fathoms "Rep" [I4] 13°41′N 145°30′E
Depth 234 fathoms "Rep" [I4] 15°00′N 144°17′E
(BA CH 764)

522 87Ed. 7/13/96 LAST NM 34/05 53/05
Add Danger circle [K1] "seismometer" 33°46′N 137°36′E
(BA CH 996)

522 87Ed. 7/13/96 LAST NM 53/05 4/06
Delete Depth 239 fathoms "Rep" 13°41′N 145°30′E
(See 34/05-522)

(continued on next page)

522 (Continued) 4/06
Add Depth 309 fathoms 15°38′N 148°31′E
(NTM0007/2006; BA CH 764)

522 87Ed. 7/13/96 LAST NM 4/06 9/06
Add Danger circle "Obstn" [K40] 8°20′N 148°09′E
(NTM0009/2006)

522 87Ed. 7/13/96 LAST NM 9/06 14/06
Add Danger circle "Obstn" [K40] 7°17′N 145°44′E
(NTM0009/2006)

522 87Ed. 7/13/96 LAST NM 14/06 35/06
Add Danger circle [Ke] "Discol water" centered 3°53′N 105°11′E
(6(93)06 Kuala Lumpur)

522 87Ed. 7/13/96 LAST NM 35/06 42/06
Delete R Bn 38°57′N 139°49′E

Legend "RDF" 38°17′N 141°35′E
Note: Ramark remains
Legend "R Bn" 33°15′N 134°11′E
Note: Ramark remains
(36(1063, 1064, 1066)06 Tokyo)

522 87Ed. 7/13/96 LAST NM 42/06 3/07
Delete R Bn 25°18′N 121°32′E
(119/06 Tso-ying)

522 87Ed. 7/13/96 LAST NM 3/07 13/08
Add Dashed-line circle [Ke] "Discolored water Rep (2008)" 8°26′N 145°51′E
(NTM0007/2008)

522 87Ed. 7/13/96 LAST NM 13/08 24/08
Delete R Bn 1°50′N 125°04′E

Add Depth 189 fathoms 7°14′N 147°45′E
Depth 324 fathoms 8°24′N 147°54′E
Depth 150 fathoms 8°20′N 147°50′E
(BA LL; NTM 0026/2007)

522 87Ed. 7/13/96 LAST NM 24/08 28/08
Delete R Bn 34°50′N 132°06′E
(22(744)08 Tokyo)

522 87Ed. 7/13/96 LAST NM 28/08 32/08
Delete Purple circle at light 38°17′N 141°35′E
(25(874)08 Tokyo)

522 87Ed. 7/13/96 LAST NM 32/08 38/08
Substitute Depth 19 fathoms for 23 fathoms 8°28′N 145°38′E
(NTM0026/2007)

522 87Ed. 7/13/96 LAST NM 38/08 39/08
Add Depth 6 fathoms 7°45′N 147°13′E
Depth 254 fathoms 7°29′N 147°24′E
Depth 176 fathoms 7°18′N 146°53′E
(NTM0026/2007)

522 87Ed. 7/13/96 LAST NM 39/08 47/08
Add Depth 6 1/4 fathoms Rk [K14.2] 13°27′N 144°37′E
(NOS)

522 87Ed. 7/13/96 LAST NM 47/08 52/08
Substitute Depth 204 fathoms for 222 fathoms 7°58′N 137°19′E
(NTM0026/2007)

522 87Ed. 7/13/96 LAST NM 52/08 24/09
Delete R Bn 43°22′N 140°29′E
(47(1646)08 Tokyo)

522 87Ed. 7/13/96 LAST NM 24/09 29/09
Substitute Depth 283 fathoms for 250 fathoms "Rep (1966)" 25°08′N 135°41′E
Add Depth 401 fathoms 25°31′N 135°27′E
(NTM0011/2009)

★**523** 8Ed. 7/6/96 NEW EDITION 38/96
Add Depth 6 1/2 fathoms "Rep (1986)" 55°31.3′N 145°49.5′E
(Previously published 32/96)
(DMA)

523 8Ed. 7/6/96 LAST NM 38/96 50/96
Add Wreck (PA) 56°49′N 162°36′W
(45/96 CG17)

523 8Ed. 7/6/96 LAST NM 50/96 4/97
Substitute Depth 50 fathoms for 202 fathoms "Unexamined Rep (1982)" 23°05′N 142°19′E

Add Depth 51 fathoms 22°12′N 141°52′E
(46(3818)96 Taunton)

523 8Ed. 7/6/96 LAST NM 4/97 12/97
Add Depth
68 fathoms 28°54′N 178°37′W
139 fathoms 28°50′N 179°08′W
(GIMM015/97)

523 8Ed. 7/6/96 LAST NM 12/97 24/97
Add R Bn 35°09′N 139°41′E
(14(22)97 Tokyo)

523 8Ed. 7/6/96 LAST NM 24/97 31/97
Add Depth 42 fathoms 29°55′N 127°03′E
(11(119)97 Tianjin)

523 8Ed. 7/6/96 LAST NM 31/97 41/97
Delete Dashed-line circle "Volcanic...(1978)" 46°06′N 151°33′E
Depth 43 fathoms 46°31′N 151°26′E
(Rus CH 62274)

523 8Ed. 7/6/96 LAST NM 41/97 5/98
Delete Dangerous submerged rock "Rep (1955)" 28°12′N 142°23′E
(36(1640)97 Tokyo)

523 8Ed. 7/6/96 LAST NM 5/98 6/98
Delete Depth 216 fathoms (ED) 33°30′N 165°20′E

Add Depth 116 fathoms 33°29′N 165°37′E
(GIMM011/98)

523 8Ed. 7/6/96 LAST NM 6/98 32/98
Delete R Bn 31°59′N 128°21′E
(12(522)98 Tokyo)

523 8Ed. 7/6/96 LAST NM 32/98 52/98
Delete Depth 26 fathoms "Rep (1965)" 30°33′N 126°18′E
(32(1344)98 Tokyo)

523 8Ed. 7/6/96 LAST NM 52/98 6/99
Substitute Depth
8 fathoms for 10 fathoms (ED) 30°12′N 130°03′E
1 1/4 fathoms for 1 3/4 fathoms 30°03′N 129°51′E

Add Depth 27 fathoms 29°22′N 129°05′E
(50(2069, 2070)98 Tokyo)

523 8Ed. 7/6/96 LAST NM 6/99 8/99
Add Depth 569 fathoms 31°12′N 179°38′W
(GIMM001/99)

523 8Ed. 7/6/96 LAST NM 38/99 52/99
Delete R Bn 55°12′N 137°38′E
(14(1962)98 St. Petersburg)

523 8Ed. 7/6/96 LAST NM 52/99 12/00
Add R Bn (AERO) [S16] 28°12′N 177°23′W
(NOS)

523 8Ed. 7/6/96 LAST NM 12/00 29/00
Add Depth 1990 fathoms "Rep (2000)" (PA) 20°34′N 159°23′W
(NTM0013/2000)

523 8Ed. 7/6/96 LAST NM 29/00 31/00
Add Depth 245 fathoms "Rep (2000)" 20°24′N 157°01′W
(NTM0013/2000)

523 8Ed. 7/6/96 LAST NM 31/00 5/02
Add Superbuoy ODAS [Q58] Y, Fl Y 4s 46°39′N 170°48′W
Superbuoy ODAS [Q58] Y, Fl Y 4s 50°27′N 165°02′W
Superbuoy ODAS [Q58] Y, Fl Y 4s 52°34′N 157°10′W
(32/01 CG13)

523 8Ed. 7/6/96 LAST NM 5/02 17/02
Delete R Bn 57°09′N 170°07′W
(NOS)

523 8Ed. 7/6/96 LAST NM 17/02 34/03
Add Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s 57°03′N 177°35′W
Superbuoy ODAS [Q58] "46066" Y, Fl(4) Y 20s 53°15′N 155°09′W
Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 52°02′N 172°05′W
(26/03 CG17)

523 8Ed. 7/6/96 LAST NM 34/03 50/03
Relocate Superbuoy ODAS "46072" from 52°02′N 172°05′W to 51°38′N 172°09′W
(See 34/03-523)
(NTM0022/2003)

523 8Ed. 7/6/96 LAST NM 50/03 11/04
Delete R Bn 57°10′N 156°37′E
(25(3965)03 St. Petersburg)

523 8Ed. 7/6/96 LAST NM 11/04 20/04
Delete R Bn 54°44′N 162°07′E
(36(5870)03 St. Petersburg)

523 8Ed. 7/6/96 LAST NM 20/04 26/04
Add Superbuoy ODAS [Q58] "PICO" Y, Fl Y 4s (Priv) 20°30′N 158°02′W
(21/04 CG14)

523 8Ed. 7/6/96 LAST NM 26/04 44/04
Relocate Superbuoy ODAS "46066" from 53°15′N 155°09′W to 52°42′N 155°01′W

Add Superbuoy ODAS [Q58] "46071" Y, Fl(4) Y 20s 51°19′N 179°06′E
(34/04 CG17; NTM0002/2004)

523 8Ed. 7/6/96 LAST NM 44/04 52/04
Delete Depth 8½ fathoms 21°35′N 120°34′E
Depth 11 fathoms 21°20′N 121°19′E
(43(1107)04 Tokyo)

523 8Ed. 7/6/96 LAST NM 52/04 9/05
Delete Depth 11 fathoms 21°32′N 121°16′E
(30(782)04 Tokyo)

523 8Ed. 7/6/96 LAST NM 9/05 27/05
Relocate Superbuoy ODAS "46071" from 51°19′N 179°06′E to 51°10′N 179°01′E
(See 44/04-523)
(20/05 CG17)

523 8Ed. 7/6/96 LAST NM 27/05 28/05
Add Superbuoy ODAS [Q58] "46073" Y, Fl(4) Y 20s 54°57′N 172°02′W
(NOS)

523 8Ed. 7/6/96 LAST NM 28/05 33/05
Substitute Depth 250 fathoms for 340 fathoms 21°44′N 158°38′W
(NTM0013/2005)

523 8Ed. 7/6/96 LAST NM 33/05 43/05
Delete Depth 89 fathoms 25°30′N 127°57′E
(Jpn CH W1203)

523 8Ed. 7/6/96 LAST NM 43/05 53/05
Add Danger circle [K1] "seismometer" 33°46′N 137°36′E
(BA CH 996)

523 8Ed. 7/6/96 LAST NM 53/05 29/06
Add Depth 1383 fathoms "Rep (2005)" 20°22′N 178°15′W
Depth 2608 fathoms "Rep (2005)" 20°28′N 176°31′W
Depth 1587 fathoms "Rep (2005)" 20°28′N 176°22′W
Depth 2250 fathoms "Rep (2005)" 22°45′N 176°17′W
Depth 1984 fathoms "Rep (2005)" 20°11′N 174°17′W
Depth 1523 fathoms "Rep (2005)" 20°44′N 172°33′W
Depth 1379 fathoms "Rep (2005)" 20°32′N 172°04′W
Depth 840 fathoms (PD) 19°35′N 164°59′W
(NTM0024/2006; US CH 19007)

523 8Ed. 7/6/96 LAST NM 29/06 42/06
Delete R Bn 38°57′N 139°49′E

Legend "RDF" 38°17′N 141°35′E
Note: Ramark remains
Legend "R Bn" 33°15′N 134°11′E
Note: Ramark remains
(36(1063, 1064, 1066)06 Tokyo)

523 8Ed. 7/6/96 LAST NM 42/06 3/07
Delete R Bn 25°09′N 121°45′E
(149/06 Tso-ying)

523 8Ed. 7/6/96 LAST NM 3/07 2/08
Add Superbuoy DART [Q26] "21415" RW, Fl(4) Y 20s 50°10′N 171°50′W
(31/07 CG17)

P 523 8Ed. 7/6/96 LAST NM 2/08 10/08
Add Purple dashed line (reporting area outer limit) [N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°48′N 166°38′W
24°04′N 168°28′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "Particularly Sensitive Sea Area SEE CAUTION" along above limit 24°15′N 171°00′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°35′N 179°26′W
29°23′N 178°04′W

(continued on next page)

P 523 (Continued) 10/08
CAUTION note
"CAUTION
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, charts 19016, 19019, and 19022 (MSC IMO, 83rd Session, 2007)." 55°00′N 121°00′E
Note: The above Areas to be Avoided have been adopted by IMO and are effective at 0001 UTC 1 May 2008
(NTM0001/2008)

523 8Ed. 7/6/96 LAST NM 10/08 13/08
Delete Buoy "PICO" 20°30′N 158°02′W
(10/08 CG14)

523 8Ed. 7/6/96 LAST NM 13/08 15/08
Delete Superbuoy ODAS 46°33′N 170°48′W
(32/07 CG17)

523 8Ed. 7/6/96 LAST NM 10/08 17/08
Add Purple dashed line (reporting area outer limit) [N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°48′N 166°38′W
24°04′N 168°28′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "Particularly Sensitive Sea Area SEE CAUTION" along above limit 24°15′N 171°00′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°35′N 179°26′W
29°23′N 178°04′W

CAUTION note
"CAUTION
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, charts 19016, 19019, and 19022 (MSC IMO, 83rd Session, 2007)". 55°00′N 121°00′E
Note: The above Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-523)
(NTM0001/2008)

523 8Ed. 7/6/96 LAST NM 17/08 28/08
Delete R Bn 34°50′N 132°05′E
(22(744)08 Tokyo)

523 8Ed. 7/6/96 LAST NM 28/08 33/08
Add Buoy ODAS [Q58] "NOAA PMEL DART", conical, Fl Y 4s (Priv) 20°32′N 157°50′W
(11/08 CG14)

523 8Ed. 7/6/96 LAST NM 33/08 38/08
Add Depth 12 fathoms "Rep (2008)" [I3.2] 25°26′N 123°14′E
(NTM0010/2008)

523 8Ed. 7/6/96 LAST NM 38/08 43/08
Delete Superbuoy DART "21415" 50°10′N 171°50′W
(Supersedes 2/08-523)

Add Superbuoy DART [Q26] "21415" RW, Fl(4) Y 20s (Priv) (PA) 50°10′N 171°50′E
Superbuoy DART [Q26] "21414" RW, Fl(4) Y 20s (Priv) (PA) 48°57′N 178°16′E
Superbuoy DART [Q26] "46403" RW, Fl(4) Y 20s (Priv) (PA) 52°39′N 156°56′W
(40/08 CG17)

523 8Ed. 7/6/96 LAST NM 43/08 46/08
Add Depth 615 fathoms 21°59′N 175°33′E
Depth 671 fathoms 21°41′N 176°25′E
(NTM0026/2007)

523 8Ed. 7/6/96 LAST NM 46/08 4/09
Add Superbuoy ODAS [Q58] "46413" Y, Fl(4) Y 20s (Priv) (PA) 48°40′N 174°36′W
(52/08 CG17)

523 8Ed. 7/6/96 LAST NM 4/09 6/09
Add Depth 1501 fathoms 19°02′N 157°47′W
(NTM0003/2009)

523 8Ed. 7/6/96 LAST NM 6/09 22/09
Add Superbuoy ODAS [Q58] "51000" Y, Fl(4) Y 20s 23°28′N 154°00′W

Superbuoy ODAS [Q58] "51100" Y, Fl(4) Y 20s 23°33′N 153°54′W

Superbuoy ODAS [Q58] "51101" Y, Fl(4) Y 20s 24°19′N 162°03′W
(18/09 CG14)

523 8Ed. 7/6/96 LAST NM 22/09 24/09
Delete R Bn 43°22′N 140°29′E
(47(1646)08 Tokyo)

523 8Ed. 7/6/96 LAST NM 24/09 27/09
Add Wreck [K29] 23°03′N 160°27′W
Wreck [K29] 23°05′N 160°20′W
Wreck [K29] 23°01′N 159°53′W
(NTM0028/2009)

523 8Ed. 7/6/96 LAST NM 27/09 28/09
Add Depth 1920 fathoms 20°04′N 157°00′W
(NTM0032/2009)

523 8Ed. 7/6/96 LAST NM 28/09 29/09
Substitute Depth 283 fathoms for 250 fathoms "Rep (1966)" 25°08′N 135°41′E

Add Depth 401 fathoms 25°31′N 135°27′E
(NTM0011/2009)

523 8Ed. 7/6/96 LAST NM 29/09 32/09
Relocate Superbuoy ODAS "46066" from 52°42′N 155°01′W to 52°44′N 154°58′W
(27/09 CG17)

★524 12Ed. 1/27/96 NEW EDITION 23/96
Add Dashed-line circle with legend "Volcanic Activity Rep (1995)" 15°34′N 145°43′E

Dangerous wreck 9°22′N 107°58′E
(Previously published 8/96)

Add Depth
16 fathoms 8°25′N 148°13′E
8 3/4 fathoms 8°03′N 148°34′E
(Previously published 10/96)

Delete R Bn 26°10′N 127°40′E

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524 (Continued) 23/96
Add R Bn 8°50′S 115°12′E
11°03′N 118°49′E
22°37′N 120°15′E
22°41′N 121°28′E
25°18′N 121°31′E
20°18′N 106°34′E
20°40′N 106°49′E
20°37′N 107°10′E
(DMA; BA RA)

524 12Ed. 1/27/96 LAST NM 23/96 26/96
Delete R Bn (AERO) 13°43′N 100°37′E

Add R Bn (AERO) 12°40′N 101°00′E
(BA RA; BA CH 3965)

524 12Ed. 1/27/96 LAST NM 26/96 31/96
Delete Depth 18 fathoms 12°16′S 129°21′E

Add Depth 8 1/2 fathoms 12°16′S 129°29′E
(23(315)96 Wollongong)

524 12Ed. 1/27/96 LAST NM 31/96 42/96
Add Depth
241 fathoms 9°36′N 140°26′E
222 fathoms 7°58′N 137°19′E
369 fathoms 7°44′N 137°03′E
(35(2945)96 Taunton)

524 12Ed. 1/27/96 LAST NM 42/96 51/96
Add Depth 24 fathoms 7°36′N 108°30′E
(43(3560)96 Taunton)

524 12Ed. 1/27/96 LAST NM 51/96 52/96
Delete Depth 5 1/2 fathoms 10°20′S 141°09′E
(34(567)96 Wollongong)

524 12Ed. 1/27/96 LAST NM 52/96 4/97
Substitute Depth 50 fathoms for 202 fathoms
"Rep (1982)" 23°05′N 142°19′E

Add Depth 51 fathoms 22°12′N 141°52′E
(46(3818)96 Taunton)

524 12Ed. 1/27/96 LAST NM 4/97 7/97
Substitute Depth
4 fathoms for 3 1/2 fathoms 14°07′S 146°48′E
7 3/4 fathoms for
14 fathoms "Rep (1967)" 14°15′S 146°54′E
(37(634)96 Wollongong)

524 12Ed. 1/27/96 LAST NM 7/97 8/97
Add Depth 10 3/4 fathoms Wk (unsurveyed) 2°38′N 105°13′E
(50(4146)96 Taunton)

524 12Ed. 1/27/96 LAST NM 8/97 38/97
Add Depth 7 fathoms 5 feet "Rep (1997)" 8°21′S 127°29′E
(GIMM043/96)

524 12Ed. 1/27/96 LAST NM 38/97 42/97
Delete Dotted-line circle "Rep (1964)" 16°18′N 109°20′E
(GIMM048/97)

524 12Ed. 1/27/96 LAST NM 42/97 33/98
Substitute Depth 6 3/4 fathoms for 7 fathoms
"Rep (1983)" 10°08′S 129°33′E
(10(259)98 Wollongong)

524 12Ed. 1/27/96 LAST NM 33/98 2/99
Substitute Depth 241 fathoms for 261 fathoms 16°50′N 114°50′E
(5(329)98 Taunton)

524 12Ed. 1/27/96 LAST NM 2/99 20/99
Add Danger circle "Obstn" 7°20′S 116°15′E
(26(2286)98 Taunton)

524 12Ed. 1/27/96 LAST NM 20/99 14/02
Add Depth 232 fathoms 16°32′N 129°37′E
(13(1402)01 Taunton)

524 12Ed. 1/27/96 LAST NM 14/02 18/02
Add Depth 385 fathoms 8°04′N 143°26′E
Depth 314 fathoms 6°53′N 144°49′E
(6(59)02 Wellington)

524 12Ed. 1/27/96 LAST NM 18/02 47/02
Delete R Bn (AERO) 16°51′S 145°48′E
R Bn (AERO) 19°20′S 146°48′E
(BA RA)

524 12Ed. 1/27/96 LAST NM 47/02 34/03
Delete R Bn (AERO) 12°09′S 96°49′E
(BA RA)

524 12Ed. 1/27/96 LAST NM 34/03 52/04
Delete Depth 8 1/2 fathoms 21°35′N 120°34′E
Depth 11 fathoms 21°20′N 121°19′E
(43(1107)04 Tokyo)

524 12Ed. 1/27/96 LAST NM 52/04 9/05
Delete Depth 11 fathoms 21°32′N 121°16′E

Substitute Depth 73 fathoms for 13 fathoms
"Rep (1981) PA" 21°28′N 120°42′E
(30(782)04 Tokyo)

524 12Ed. 1/27/96 LAST NM 9/05 20/05
Delete R Bn (AERO) 15°07′N 145°43′E
(NOS)

524 12Ed. 1/27/96 LAST NM 20/05 34/05
Add Depth 115 fathoms "Rep" [I4] 12°37′N 145°31′E
Depth 239 fathoms "Rep" [I4] 13°41′N 145°30′E
Depth 234 fathoms "Rep" [I4] 15°00′N 144°17′E
(BA CH 764)

524 12Ed. 1/27/96 LAST NM 34/05 4/06
Delete Depth 239 fathoms "Rep" 13°41′N 145°30′E
(See 34/05-524)

Add Depth 309 fathoms 15°38′N 148°31′E
(NTM0007/2006; BA CH 764)

524 12Ed. 1/27/96 LAST NM 4/06 5/06
Add Danger circle "Obstn" [K40] 9°10′S 153°17′E
(NTM0009/2006)

524 12Ed. 1/27/96 LAST NM 5/06 9/06
Add Danger circle "Obstn" [K40] 8°20′N 148°09′E
(NTM0009/2006)

524 12Ed. 1/27/96 LAST NM 9/06 14/06
Add Danger circle "Obstn" [K40] 7°17′N 145°44′E
(NTM0009/2006)

524 12Ed. 1/27/96 LAST NM 14/06 18/06
Add Wreck [K29] 4°44′S 109°18′E
(2(7)06 Jakarta)

524 12Ed. 1/27/96 LAST NM 18/06 35/06
Add Danger circle [Ke] "Discol water" centered
3°53′N 105°11′E
(6(93)06 Kuala Lumpur)

524 12Ed. 1/27/96 LAST NM 35/06 3/07
Delete R Bn 25°18′N 121°31′E
R Bn 25°09′N 121°45′E
(119, 149/06 Tso-ying)

524 12Ed. 1/27/96 LAST NM 3/07 13/08
Add Dashed-line circle [Ke] "Discolored water Rep
(2008)" 8°26′N 145°51′E
(NTM0007/2008)

524 12Ed. 1/27/96 LAST NM 13/08 14/08
Substitute Depth 11 3/4 fathoms enclosed by dotted-line circle for 182 fathoms 18°24′S 155°19′E
and delete legend "Rep (1981)" close NW
(NTM0008/2008)

524 12Ed. 1/27/96 LAST NM 14/08 19/08
Substitute Depth 37 fathoms "Rep (2001)" [I3.2] for 400 fathoms 6°31′S 104°46′E
(5(523)08 Taunton)

524 12Ed. 1/27/96 LAST NM 19/08 24/08
Delete R Bn 1°52′N 125°07′E

Substitute Depth 198 fathoms for 225 fathoms 8°45′S 154°37′E

Add Depth 272 fathoms 1°05′S 148°02′E
Depth 223 fathoms 1°06′S 148°50′E
Depth 189 fathoms 7°14′N 147°45′E
Depth 150 fathoms 8°20′N 147°50′E
(BA LL; NTM0026/2007)

524 12Ed. 1/27/96 LAST NM 24/08 37/08
Substitute Depth 167 fathoms for 185 fathoms 9°12′S 153°53′E

Add Depth 360 fathoms 11°27′S 154°59′E
(NTM0026/2007)

524 12Ed. 1/27/96 LAST NM 37/08 38/08
Substitute Depth 19 fathoms for 23 fathoms 8°28′N 145°38′E

Depth 12 fathoms "Rep (2008)" for 52 fathoms "Rep (1978)" 25°26′N 123°14′E
(NTM0026/2007, NTM0010/2008)

524 12Ed. 1/27/96 LAST NM 38/08 39/08
Add Depth 6 fathoms 7°45′N 147°13′E
Depth 109 fathoms 7°48′N 147°04′E
(NTM0026/2007)

524 12Ed. 1/27/96 LAST NM 39/08 40/08
Add Depth 432 fathoms 16°52′S 151°53′E
Depth 519 fathoms 16°05′S 151°31′E
(NTM0026/2007)

524 12Ed. 1/27/96 LAST NM 40/08 47/08
Add Depth 6 1/4 fathoms Rk [K14.2] 13°27′N 144°37′E
(NOS)

524 12Ed. 1/27/96 LAST NM 47/08 48/08
Delete Depth 39 fathoms "Rep (1946)" 11°35′S 154°50′E

Add Depth 527 fathoms 5°00′S 157°07′E
Depth 800 fathoms 5°07′S 157°05′E
(NTM0026/2007)

524 12Ed. 1/27/96 LAST NM 48/08 52/08
Substitute Depth 682 fathoms for 725 fathoms 12°48′N 157°52′E
Depth 204 fathoms for 222 fathoms 7°58′N 137°19′E

Add Depth 703 fathoms 12°21′N 158°39′E
Depth 652 fathoms 13°57′N 157°36′E
(NTM0026/2007)

524 12Ed. 1/27/96 LAST NM 52/08 29/09
Substitute Depth 283 fathoms for 250 fathoms "Rep (1966)" 25°08′N 135°41′E

Add Depth 401 fathoms 25°31′N 135°27′E
(NTM0011/2009)

★525 3Ed. 2/5/83 NEW EDITION 17/83
Delete R Bns (AERO) 1°20′N 172°55′E
11°20′N 162°23′E
13°33′N 144°52′E

Legends "LORAN STATION" 8°43′N 167°45′E
19°19′N 166°33′E
6°55′N 134°08′E
13°22′N 144°44′E
15°09′N 145°43′E
24°45′N 141°16′E

Light flare symbols 13°22′N 144°42′E
13°32′N 144°50′E

Position dots 13°27′N 144°40′E
13°37′N 144°54′E

Random marks 8°10′N 145°18′E
13°17′N 144°53′E
(DMAHTC; US RA; NVS6905/83)

525 3Ed. 2/5/83 LAST NM 17/83 41/83
Substitute Depth 10 fathoms for 43 fathoms "Rep (1969)" 24°22′N 141°26′E
(NVS7038/83)

★525 3Ed. 2/5/83 LAST NM 41/83 45/83
Relocate Tobi Island close W to 3°00.4′N 131°07.4′E
(NVS7086/83)

525 3Ed. 2/5/83 LAST NM 45/83 11/84
Delete Legend "Rep (1967)" from depth 12 fathoms 17°08′N 143°15′E
(NVS7198/84)

★525 3Ed. 2/5/83 LAST NM 11/84 24/84
Delete Depth 12 fathoms 23°13′N 162°18′E

Danger circles and legends
"Reef (PA-rep 1952)" 22°56′N 162°21′E
"Reef (PA-rep 1952) Uncov" 22°47′N 162°29′E
(NVS7268/84)

525 3Ed. 2/5/83 LAST NM 24/84 5/85
Add Dashed-line circle "Discol water" 20°25′N 152°12′E

Depth 16 fathoms 23°30′N 141°55′E
(Jpn CH 1004B)

525 3Ed. 2/5/83 LAST NM 5/85 27/85
Add Dashed-line circle with legend "Sub vol (rep 1983)" 17°57.2′N 136°26.1′E
(15(1016)85 Taunton)

525 3Ed. 2/5/83 LAST NM 27/85 23/86
Delete Depth 6 fathoms 5 feet 8°05′N 146°30′E
(MCNM7760/86)

★525 3Ed. 2/5/83 LAST NM 23/86 10/87
Substitute Depth 2750 fathoms for danger circle "ED" 20°31′N 152°49′E

Add Legend "Rep" to dashed-line circle "Discol water" 20°25′N 152°12′E
(MCNM7903, 0001/87; Jpn CH 48)

525 3Ed. 2/5/83 LAST NM 10/87 14/87
Delete Dangerous submerged rock "Transit (ED)" 2°48′N 132°32′E
(MCNM7930/87)

525 3Ed. 2/5/83 LAST NM 14/87 21/87
Add Stranded wreck 1°07′N 154°39′E
(11(863)87 Taunton)

525 3Ed. 2/5/83 LAST NM 21/87 48/87
Delete Depth 640 fathoms 3°52.0′N 128°08.0′E

Add Depth 248 fathoms 3°47.0′N 128°08.0′E
(MCNM0003/87)

525 3Ed. 2/5/83 LAST NM 48/87 26/89
Add Danger circle "Breakers Rep (1989)" 1°45′N 152°02′E
(9(745)89 Taunton)

525 3Ed. 2/5/83 LAST NM 26/89 3/93
Add Depth 7 fathoms "Rep (1991)" 1°05′N 170°31′E
(MCC1226/93)

525 3Ed. 2/5/83 LAST NM 3/93 16/93
Add Depth
22 fathoms "Rep (1988)" 3°35′N 133°57′E
16 fathoms "Rep (1985)" 0°05′N 135°08′E
(50(60)92 Brest)

525 3Ed. 2/5/83 LAST NM 16/93 34/93
Add Danger circle "Breakers Rep (1991)" 0°24′N 152°00′E
(MCC1265/93)

525 3Ed. 2/5/83 LAST NM 34/93 53/94
Add Danger circle
"Discol Water Rep (1992)" 19°45′N 145°43′E
(MCC1306/94)

525 3Ed. 2/5/83 LAST NM 53/94 41/95
Delete R Bn (AERO) 7°28′N 151°50′E
6°58′N 158°13′E
(BA RA)

525 3Ed. 2/5/83 LAST NM 41/95 43/95
Delete Depth 895 fathoms 6°42′N 142°43′E

Add Depth
185 fathoms 6°39′N 142°34′E
253 fathoms 11°20′N 138°35′E
(35(2901)95 Taunton)

525 3Ed. 2/5/83 LAST NM 43/95 8/96
Substitute Dashed-line circle with legend
"Volcanic Activity Rep (1995)"
for depth 115 fathoms 15°34′N 145°32′E
(SMEA016/96)

525 3Ed. 2/5/83 LAST NM 8/96 10/96
Add Depth
16 fathoms 8°25′N 148°13′E
8 fathoms 4 feet 8°03′N 148°34′E
(3(201)96 Taunton)

525 3Ed. 2/5/83 LAST NM 10/96 25/96
Add R Bn (AERO) 1°28.1′N 173°08.1′E
(BA RA; BA CH 700)

525 3Ed. 2/5/83 LAST NM 25/96 42/96
Add Depth
241 fathoms 9°36′N 140°26′E
222 fathoms 7°58′N 137°19′E
369 fathoms 7°44′N 137°03′E
(35(2945)96 Taunton)

525 3Ed. 2/5/83 LAST NM 42/96 4/97
Delete Depth 202 fathoms
"unexamined Rep (1982)" 23°04′N 142°19′E

Add Depth
54 fathoms 23°45′N 141°44′E
50 fathoms 23°05′N 142°20′E
51 fathoms 22°12′N 141°52′E
(46(3818)96 Taunton)

525 3Ed. 2/5/83 LAST NM 4/97 5/97
Delete Depth 10 fathoms 24°22′N 141°26′E

Add Depth 40 fathoms with legend
"Kita-Hukutoku Tai (Vol)" 24°25′N 141°25′E
(50(2358)96 Tokyo)

525 3Ed. 2/5/83 LAST NM 5/97 45/98
Add Legend "CAUTION NO 4" 20°17′N 136°45′E

Caution No. 4 to CAUTIONS note in
right upper margin of chart
"4. Mariners are advised that
Okino-Tori-shima (20°25′N 136°05′E)
should be given a wide berth.
See Sailing Directions."
(4(317)98 Taunton)

525 3Ed. 2/5/83 LAST NM 45/98 14/02
Add Depth 232 fathoms enclosed by depth contour
(1000-fathom) 16°32′N 129°37′E
(13(1402)01 Taunton)

525 3Ed. 2/5/83 LAST NM 14/02 18/02
Add Depth 314 fathoms enclosed by depth contour
(1000-fathom) 6°53′N 144°49′E
(6(59)02 Wellington)

525 3Ed. 2/5/83 LAST NM 18/02 40/03
Add Dashed-line circle with blue tint and legend
"Discolored Water Reported (2003)" (PA)
24°18′N 141°59′E
(NTM0028/2003)

525 3Ed. 2/5/83 LAST NM 40/03 20/05
Delete R Bn (AERO) 15°10′N 145°42′E
(NOS)

525 3Ed. 2/5/83 LAST NM 20/05 26/05
Add Depth 1686 fathoms "Rep (2004)" 15°22′N 160°54′E
Depth 1830 fathoms "Rep (2004)" 16°01′N 170°51′E
(NTM0025/2005)

525 3Ed. 2/5/83 LAST NM 26/05 28/05
Add Depth 2110 fathoms "Rep (2005)" 21°55′N 159°42′E
(NTM0023/2005)

525 3Ed. 2/5/83 LAST NM 28/05 29/05
Add Dashed-line circle [Ke]
"Discolored water Rep (2005)" 24°17′N 141°29′E
(NTM0026/2005)

525 3Ed. 2/5/83 LAST NM 29/05 34/05
Add Depth 115 fathoms "Rep" [I4] 12°37′N 145°31′E
Depth 239 fathoms "Rep" [I4] 13°41′N 145°30′E
Depth 234 fathoms "Rep" [I4] 15°00′N 144°17′E
(BA CH 764)

525 3Ed. 2/5/83 LAST NM 34/05 49/05
Add Dashed-line circle "Discolored water Rep"
[Ke] 10°07′N 162°52′E
(NTM0037/2005)

525 3Ed. 2/5/83 LAST NM 49/05 4/06
Delete Depth 239 fathoms "Rep" 13°41′N 145°30′E
(See 34/05-525)

Add Depth 309 fathoms 15°38′N 148°31′E
(NTM0007/2006; BA CH 764)

525 3Ed. 2/5/83 LAST NM 4/06 9/06
Add Danger circle "Obstn" [K40] 8°20′N 148°09′E
(NTM0009/2006)

525 3Ed. 2/5/83 LAST NM 9/06 14/06
Add Danger circle "Obstn" [K40] 7°17′N 145°44′E
(NTM0009/2006)

525 3Ed. 2/5/83 LAST NM 14/06 13/08
Add Dashed-line circle [Ke] "Discolored water Rep
(2008)" 8°26′N 145°51′E
(NTM0007/2008)

525 3Ed. 2/5/83 LAST NM 13/08 24/08
Add Depth 189 fathoms 7°14′N 147°45′E
Depth 324 fathoms 8°24′N 147°54′E
Depth 150 fathoms 8°20′N 147°50′E
(NTM0026/2007)

525 3Ed. 2/5/83 LAST NM 24/08 38/08
Substitute Depth 19 fathoms for 45 fathoms 8°28′N 145°38′E
(NTM0026/2007)

525 3Ed. 2/5/83 LAST NM 38/08 39/08
Add Depth 6 fathoms 7°45′N 147°13′E
Depth 109 fathoms 7°48′N 147°04′E
Depth 254 fathoms 7°29′N 147°24′E
Depth 288 fathoms 7°48′N 148°10′E
(NTM0026/2007)

★525 3Ed. 2/5/83 LAST NM 39/08 46/08
Substitute Depth 600 fathoms for 720 fathoms 19°14′N 167°26′E
Depth 771 fathoms for 800 fathoms 11°41′N 161°38′E

Add Depth 490 fathoms 12°11′N 168°53′E
Depth 600 fathoms 12°05′N 168°50′E
Depth 666 fathoms 17°14′N 166°01′E
Depth 687 fathoms 17°07′N 162°45′E
Depth 653 fathoms 17°00′N 162°36′E
Depth 655 fathoms 16°34′N 167°07′E
Depth 627 fathoms 16°29′N 167°12′E
Depth 624 fathoms 16°33′N 165°21′E
Depth 552 fathoms 19°22′N 167°20′E
Depth 476 fathoms 19°24′N 167°31′E
Depth 478 fathoms 19°22′N 167°26′E
(NTM0026/2007)

525 3Ed. 2/5/83 LAST NM 46/08 47/08
Add Depth 6 1/4 fathoms Rk [K14.2] 13°27′N 144°37′E
(NOS)

525 3Ed. 2/5/83 LAST NM 47/08 52/08
Substitute Depth 204 fathoms for 222 fathoms 7°58′N 137°19′E

Add Depth 703 fathoms 12°21′N 158°39′E
Depth 652 fathoms 13°57′N 157°36′E
Depth 682 fathoms 12°48′N 157°52′E
(NTM0026/2007)

★526 10Ed. 3/23/96 NEW EDITION 25/96
Delete R Bn (AERO) 11°40′S 160°05′E
(Previously published 15/96)

Add Legend "Submarine volcano (1996)" 20°59′S 170°17′E
(Previously published 17/96)

Delete R Bn (AERO) 2°39′S 176°50′E
0°33′S 166°58′E
(Previously published 21/96)

Delete Danger circle 22°01′S 176°25′W

R Bn 21°12′S 175°10′W
23°50′N 166°12′W

R Bn (AERO) 5°29′S 154°43′E
19°15′S 146°45′E
9°46′S 139°01′W
8°50′S 140°12′W
14°26′S 146°04′W
18°05′S 141°00′W
23°22′S 149°32′W
10°22′S 161°00′W
14°14′S 178°08′W

Add R Bn (AERO) 1°29′N 173°08′E
(DMA; 8(76)95 Auckland; BA RA)

526 10Ed. 3/23/96 LAST NM 25/96 28/96
Delete Depth 31 fathoms 14°46′S 147°47′W
(12(50)96 Brest)

526 10Ed. 3/23/96 LAST NM 28/96 42/96
Add Depth
241 fathoms 9°36′N 140°26′E
222 fathoms 7°58′N 137°19′E
369 fathoms 7°44′N 137°03′E
(35(2945)96 Taunton)

526 10Ed. 3/23/96 LAST NM 42/96 50/96
Substitute Depth 164 fathoms for 1039 fathoms 24°04′S 168°34′E

Add Depth
289 fathoms 19°13′S 164°54′E
166 fathoms 17°32′S 169°23′E

Danger circle (ED) 22°06′S 159°45′E
(34(38)96 Brest)

526 10Ed. 3/23/96 LAST NM 50/96 52/96
Delete Depth 5 1/2 fathoms 10°13′S 140°50′E

Add Depth
268 fathoms 8°09′S 141°23′W
29 fathoms 10°13′S 137°55′W
(34(567)96 Wollongong; Fr CH 7371)

526 10Ed. 3/23/96 LAST NM 52/96 4/97
Substitute Depth 50 fathoms for 202 fathoms
"unexamined Rep (1982)" 23°05′N 142°19′E

Add Depth 51 fathoms 22°12′N 141°52′E
(46(3818)96 Taunton)

526 10Ed. 3/23/96 LAST NM 4/97 6/97
Substitute Depth 40 fathoms with legend
"Kita-Hukutoku Tai (Volcano)"
for 43 fathoms "Rep (1969)" 24°25′N 141°25′E
(51(2392)96 Tokyo)

526 10Ed. 3/23/96 LAST NM 6/97 7/97
Delete Depth 14 fathoms "Rep (1967)" 14°20′S 146°55′E

Substitute Depth 4 fathoms for 3 1/2 fathoms 14°07′S 146°48′E

Add Depth
7 3/4 fathoms 14°15′S 146°54′E
213 fathoms 23°31′S 136°00′W
(37(634)96 Wollongong; 33(30)96 Brest)

526 10Ed. 3/23/96 LAST NM 7/97 12/97
Add Depth 68 fathoms 28°54′N 178°37′W
(GIMM015/97)

526 10Ed. 3/23/96 LAST NM 12/97 17/97
Delete Danger circle (ED) 22°06′S 159°45′E
(See 50/96-526)
(4(98)97 Wollongong)

526 10Ed. 3/23/96 LAST NM 17/97 23/97
Add Dotted-line circle
"Breakers Rep (1987)" 1°20′S 151°12′E
(5(120)97 Wollongong)

526 10Ed. 3/23/96 LAST NM 23/97 24/97
Delete Depth
630 fathoms 9°17′S 160°41′E
27 fathoms "Rep (1967)" 23°23′S 167°06′E

Add Depth
321 fathoms 9°18′S 160°37′E
199 fathoms "Rep (1981)" 8°34′S 160°08′E
(13(1186)97 Taunton; 8(36)97 Brest)

526 10Ed. 3/23/96 LAST NM 24/97 26/97
Delete Depth 1170 fathoms 27°15′S 177°13′W

Substitute Depth 284 fathoms for 372 fathoms 20°35′S 177°10′W

Add Depth 289 fathoms 27°13′S 177°18′W
(16(138)97 Auckland)

526 10Ed. 3/23/96 LAST NM 26/97 29/97
Add Depth 10 fathoms "Rep (1997)" 27°24′S 179°14′W
(23(196)97 Auckland)

526 10Ed. 3/23/96 LAST NM 29/97 50/97
Add Depth 58 fathoms "Rep (1977)" 3°29′S 143°58′E
(20(549)97 Wollongong)

526 10Ed. 3/23/96 LAST NM 50/97 5/98
Delete Dotted-line circle
"Rf (rep 1955) (breaks)" 28°01′N 142°28′E
(36(1640)97 Tokyo)

526 10Ed. 3/23/96 LAST NM 5/98 26/98
Delete Depth 38 fathoms and legend
"Volcanic...1990)" 25°53′S 177°09′W

(continued on next page)

526 (Continued) 26/98
Add Depth 3 fathoms with legend "Volcanic activity Rep (1998)" 25°53′S 177°11′W
(GIMM016/98)

526 10Ed. 3/23/96 LAST NM 26/98 52/99
Add Depth 69 meters [I10] 22°32′S 161°19′E
Danger circle "Shoal Rep (1999)" [I4] 19°50′S 176°05′W
(43(411), 44(418)99 Auckland)

526 10Ed. 3/23/96 LAST NM 52/99 5/00
Delete R Bn (AERO) 17°30′S 149°30′W
(BA RA)

526 10Ed. 3/23/96 LAST NM 5/00 12/00
Relocate R Bn (AERO) from 28°12′N 177°18′W to 28°12′N 177°22′W
(NOS)

526 10Ed. 3/23/96 LAST NM 12/00 29/00
Add Depth 1990 fathoms "Rep (2000)" (PA) 20°34′N 159°23′W
(NTM0013/2000)

526 10Ed. 3/23/96 LAST NM 29/00 31/00
Add Depth 245 fathoms "Rep (2000)" 20°24′N 157°01′W
(NTM0013/2000)

526 10Ed. 3/23/96 LAST NM 31/00 32/00
Delete Legend "11 to 33 (1965)" 8°24′S 140°56′W

Substitute Depth 26 fathoms for 21 fathoms 7°55′S 140°58′W

Add Depth 14 fathoms 8°22′S 140°54′W
(4(21)99 Brest)

526 10Ed. 3/23/96 LAST NM 32/00 15/01
Substitute Depth ¼ fathom for islet "Ile de Sable" 7°52′S 140°23′W

Add Depth 656 fathoms "Rep (2000)" [I3.2] 5°53′N 165°22′W

Depth 323 fathoms "Sub vol" enclosed by danger circle 14°13′S 169°04′W
(44(52)00 Brest; 42(4094)00 Taunton; NTM0013/2001)

526 10Ed. 3/23/96 LAST NM 15/01 28/01
Delete Depth 14 fathoms 27°25′S 143°57′W
Depth 28 fathoms 27°23′S 143°47′W
Depth 20 fathoms "Rep (1972)" 27°43′S 143°18′W

Add Depth 16 fathoms 27°26′S 144°01′W
(14(42)01 Brest)

526 10Ed. 3/23/96 LAST NM 28/01 39/01
Delete Depth 186 fathoms 14°30′S 152°14′W

Add Depth 5 fathoms "Rep (2001)" [I3.2] 15°57′S 175°39′E
(20(168, 169)01 Wellington)

526 10Ed. 3/23/96 LAST NM 39/01 7/02
Substitute Depth 7 fathoms for 4 fathoms 8°05′S 139°38′W

Depth 5 fathoms for 1½ fathoms "Rep (1950)" 8°42′S 140°48′W
(13(41)01 Brest)

526 10Ed. 3/23/96 LAST NM 7/02 9/02
Change Legend to "Vol Act (2001)" 18°19′S 174°21′W
(2(27)02 Wellington)

526 10Ed. 3/23/96 LAST NM 9/02 12/02
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 18°47′S 179°11′E
(3(34)02 Wellington)

526 10Ed. 3/23/96 LAST NM 12/02 18/02
Add Depth 385 fathoms 8°04′N 143°26′E
Depth 314 fathoms 6°53′N 144°49′E
(6(59)02 Wellington)

526 10Ed. 3/23/96 LAST NM 18/02 47/02
Delete R Bn (AERO) 21°10′S 149°11′E
R Bn (AERO) 16°51′S 145°48′E
(BA RA)

526 10Ed. 3/23/96 LAST NM 47/02 6/03
Delete Depth 10 fathoms 12°53′S 175°35′W

Add Depth 8 fathoms 12°57′S 175°40′W
(47(4391)99 Taunton)

526 10Ed. 3/23/96 LAST NM 6/03 26/04
Relocate Superbuoy ODAS "51002" from 17°06′N 157°49′W to 17°09′N 157°47′W

Add Superbuoy ODAS [Q58] "PICO" Y, Fl Y 4s (Priv) 20°30′N 158°02′W
(21/04 CG14; NTM0002/2004)

526 10Ed. 3/23/96 LAST NM 26/04 11/05
Add "Restricted Area - Coastal shipping and dredging prohibited" bound by purple composite line [N2.1] joining 23°15′S 167°00′E
23°15′S 169°00′E
25°30′S 169°00′E
25°30′S 167°00′E
(23(33)04 Brest)

526 10Ed. 3/23/96 LAST NM 11/05 17/05
Change Legend to "Restricted Area - Coastal shipping, trawling and dredging prohibited" (See 11/05-526) 24°30′S 168°00′E
(16(159)04 Wellington)

526 10Ed. 3/23/96 LAST NM 17/05 20/05
Delete R Bn (AERO) 15°10′N 145°48′E

Add Depth 424 fathoms 18°59′S 154°06′W
Depth 327 fathoms 18°48′S 152°15′W
(NOS; 17(167)04 Wellington)

526 10Ed. 3/23/96 LAST NM 20/05 21/05
Add Depth 216 fathoms 15°17′S 135°08′W
Depth 299 fathoms 23°32′S 135°34′W
(19(179)04 Wellington)

526 10Ed. 3/23/96 LAST NM 21/05 26/05
Delete Depth 15 fathoms "Rep (1945)" PA 23°34′S 154°15′E
Danger circle "Breakers" 23°58′S 154°24′E

Add Depth 1686 fathoms "Rep (2004)" 15°22′N 160°54′E
Depth 1830 fathoms "Rep (2004)" 16°01′N 170°51′E
Depth 2170 fathoms "Rep (2004)" 19°01′N 134°33′W
(NTM0025/2005; Aus CH 426)

526 10Ed. 3/23/96 LAST NM 26/05 33/05
Substitute Depth 250 fathoms for 340 fathoms 21°44′N 158°38′W
(NTM0013/2005)

526 10Ed. 3/23/96 LAST NM 33/05 34/05
Add Depth 115 fathoms "Rep" [I4] 12°37′N 145°31′E
Depth 239 fathoms "Rep" [I4] 13°41′N 145°30′E
Depth 234 fathoms "Rep" [I4] 15°00′N 144°17′E
(BA CH 764)

526 10Ed. 3/23/96 LAST NM 34/05 37/05
Delete Depth 287 fathoms and legend "Rep (1978)" 18°12′S 153°57′W

Substitute Depth 252 fathoms for 164 fathoms 19°13′S 151°30′W
Depth 197 fathoms for 230 fathoms 21°33′S 155°27′W

Add Depth 540 fathoms 20°47′S 150°48′W
Depth 478 fathoms 23°17′S 149°54′W
Depth 458 fathoms 21°48′S 151°30′W
Depth 516 fathoms 21°15′S 150°44′W
(16(147, 148)05 Wellington)

526 10Ed. 3/23/96 LAST NM 37/05 43/05
Delete Depth 2220 fathoms 25°30′S 150°35′W

(continued on next page)

526 (Continued) 43/05
Add Depth 107 fathoms 25°31′S 150°30′W
(19(181)05 Wellington)

526 10Ed. 3/23/96 LAST NM 43/05 46/05
Substitute Depth 12 fathoms for 18 fathoms "Rep (1964)" 16°40′S 178°38′W
(NTM0031/2005)

526 10Ed. 3/23/96 LAST NM 46/05 5/06
Delete Depth 239 fathoms "Rep" 13°41′N 145°30′E
(See 34/05-526)

Add Depth 309 fathoms "Rep" [I4] 15°38′N 148°31′E
(NTM0007/2006; BA CH 764)

526 10Ed. 3/23/96 LAST NM 5/06 6/06
Add Danger circle "Obstn" [K40] 9°10′S 153°17′E
(NTM0009/2006)

526 10Ed. 3/23/96 LAST NM 6/06 9/06
Add Danger circle "Obstn" [K40] 8°20′N 148°09′E
(NTM0009/2006)

526 10Ed. 3/23/96 LAST NM 9/06 14/06
Add Danger circle "Obstn" [K40] 7°17′N 145°44′E
(NTM0009/2006)

526 10Ed. 3/23/96 LAST NM 14/06 20/06
Substitute Depth 4 fathoms for 9 fathoms 16°05′S 173°50′W
(42(51)04 Brest)

526 10Ed. 3/23/96 LAST NM 20/06 25/06
Add Depth 20 fathoms enclosed by depth contour (100-fathom) centered 23°12′S 159°27′E
(11(115)06 Wellington)

526 10Ed. 3/23/96 LAST NM 25/06 29/06
Add Depth 1383 fathoms "Rep (2005)" 20°22′N 178°15′W
Depth 2608 fathoms "Rep (2005)" 20°28′N 176°31′W
Depth 1587 fathoms "Rep (2005)" 20°28′N 176°22′W
Depth 2250 fathoms "Rep (2005)" 22°45′N 176°17′W
Depth 1984 fathoms "Rep (2005)" 20°11′N 174°17′W
Depth 1523 fathoms "Rep (2005)" 20°44′N 172°33′W
Depth 1379 fathoms "Rep (2005)" 20°32′N 172°04′W
Depth 840 fathoms (PD) 19°35′N 164°59′W
(NTM0024/2006; US CH 19007)

526 10Ed. 3/23/96 LAST NM 29/06 32/07
Delete Dangerous submerged rocks (2) and legend "Schjetman...1945)" in vicinity 16°08′N 178°58′W

Danger circle and legend "ED...1945)" 16°28′N 178°21′W
(NTM0018/2007)

526 10Ed. 3/23/96 LAST NM 32/07 7/08
Add Depth 359 fathoms "Rep (2007)" 1°17′N 159°57′W
Depth 344 fathoms "Rep (2007)" 2°05′N 164°24′W
Danger circle [K40] "Shoal Rep (2007)" 8°10′N 160°06′W
(NTM0003/2008)

P **526** 10Ed. 3/23/96 LAST NM 7/08 10/08
Add Purple dashed line (reporting area outer limit) [N1.2] joining 29°00′N 176°23′W
28°44′N 175°14′W
27°01′N 173°26′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°48′N 166°38′W
24°04′N 168°28′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "Particularly Sensitive Sea Area SEE CAUTION" along above limit 24°15′N 171°00′W

Purple dashed-line lesser arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
29°00′N 179°14′W
Note: Area extends beyond chart border

CAUTION note
"CAUTION
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, charts 19016, 19019, and 19022 (MSC IMO, 83rd Session, 2007)." 24°00′S 148°30′E
Note: The above Areas to be Avoided have been adopted by IMO and are effective at 0001 UTC 1 May 2008
(NTM0001/2008)

526 10Ed. 3/23/96 LAST NM 10/08 13/08
Delete Buoy "PICO" 20°30′N 158°02′W
(10/08 CG14)

526 10Ed. 3/23/96 LAST NM 13/08 14/08
Substitute Depth 11¾ fathoms enclosed by dotted-line circle for 182 fathoms 18°24′S 155°19′E
and delete legend "Rep (1981)" close S
(NTM0008/2008)

526 10Ed. 3/23/96 LAST NM 10/08 17/08
Add Purple dashed line (reporting area outer limit) [N1.2] joining 29°00′N 176°23′W
28°44′N 175°14′W
27°01′N 173°26′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°48′N 166°38′W
24°04′N 168°28′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "Particularly Sensitive Sea Area SEE CAUTION" along above limit 24°15′N 171°00′W

Purple dashed-line lesser arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
29°00′N 179°14′W
Note: Area extends beyond chart border

(continued on next page)

526 (Continued) 17/08
CAUTION note
"CAUTION
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid the limits of the Papahanaumokuakea PSSA. All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7, charts 19016, 19019, and 19022 (MSC IMO, 83rd Session, 2007)". 24°00′S 148°30′E
Note: The above Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-526)
(NTM0001/2008)

526 10Ed. 3/23/96 LAST NM 17/08 19/08
Add Depth 272 fathoms 1°06′S 148°02′E
(NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 19/08 24/08
Substitute Depth 195 fathoms for 225 fathoms 8°41′S 154°37′E
Depth 222 fathoms for 495 fathoms 27°41′S 155°16′E
Depth 177 fathoms for 180 fathoms 27°00′S 159°21′E

Add Depth 151 fathoms 22°10′S 159°04′E
Depth 157 fathoms 22°52′S 159°18′E
Depth 189 fathoms 7°14′N 147°44′E
Depth 150 fathoms 8°20′N 147°50′E
Depth 272 fathoms 1°05′S 148°02′E
Depth 223 fathoms 1°06′S 148°50′E
(NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 24/08 27/08
Delete Depth 20 fathoms and enclosing depth contour (100-fathom) centered 23°12′S 159°27′E

Substitute Depth 144 fathoms for 232 fathoms 23°24′S 159°50′E

Add Danger circle [K1] "Shoal rep (2007)" 23°15′S 159°35′E
Danger circle [K1] "Shoal rep (2007)" 24°10′S 159°30′E

"Shoal rep (2007)" area bound by dotted line joining 24°40′S 160°00′E
25°40′S 160°00′E
25°40′S 159°25′E
24°40′S 159°25′E
(NTM0009/2007, NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 27/08 33/08
Add Buoy ODAS [Q58] "NOAA PMEL DART", conical, Fl Y 4s (Priv) 20°32′N 157°50′W
(11/08 CG14)

526 10Ed. 3/23/96 LAST NM 33/08 37/08
Substitute Depth 167 fathoms for 185 fathoms 9°12′S 153°53′E
(NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 37/08 38/08
Substitute Depth 19 fathoms for 23 fathoms 8°28′N 145°38′E
(NTM0026/2007)

★**526** 10Ed. 3/23/96 LAST NM 38/08 39/08
Add Depth 6 fathoms 7°45′N 147°13′E
Depth 176 fathoms 7°18′N 146°53′E
Depth 197 fathoms 5°34′S 154°03′E
(NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 39/08 40/08
Add Depth 432 fathoms 16°52′S 151°53′E
Depth 519 fathoms 16°05′S 151°31′E
(NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 40/08 41/08
Substitute Depth 140 fathoms for 143 fathoms 26°41′S 159°22′E
(NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 41/08 46/08
Add Depth 828 fathoms 18°01′N 178°11′E
Depth 671 fathoms 21°41′N 176°25′E
Depth 624 fathoms 16°33′N 165°21′E
Depth 655 fathoms 16°34′N 167°07′E
Depth 627 fathoms 16°29′N 167°12′E
Depth 687 fathoms 17°07′N 162°45′E
Depth 653 fathoms 17°00′N 162°36′E
Depth 666 fathoms 17°14′N 166°01′E
Depth 615 fathoms 21°59′N 175°33′E
Depth 490 fathoms 12°11′N 168°53′E
(NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 46/08 47/08
Add Depth 6¼ fathoms Rk [K14.2] 13°27′N 144°37′E
(NOS)

526 10Ed. 3/23/96 LAST NM 47/08 48/08
Add Depth 677 fathoms 8°59′S 153°59′E
Depth 527 fathoms 5°00′S 157°07′E
Depth 800 fathoms 5°07′S 157°05′E
(NTM0026/2007)

★**526** 10Ed. 3/23/96 LAST NM 48/08 52/08
Substitute Depth 682 fathoms for 725 fathoms 12°48′N 157°52′E
Depth 308 fathoms for 680 fathoms 1°03′S 147°52′E
Depth 204 fathoms for 222 fathoms 7°58′N 137°19′E

Add Depth 652 fathoms 13°57′N 157°36′E
Depth 703 fathoms 12°21′N 158°39′E
(NTM0026/2007)

526 10Ed. 3/23/96 LAST NM 52/08 6/09
Add Depth 1501 fathoms 19°02′N 157°47′W
(NTM0003/2009)

526 10Ed. 3/23/96 LAST NM 6/09 20/09
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 14°36′S 168°58′W
(NZ CH 14605)

526 10Ed. 3/23/96 LAST NM 20/09 22/09
Add Superbuoy ODAS [Q58] "51000" Y, Fl(4) Y 20s 23°28′N 154°00′W

Superbuoy ODAS [Q58] "51100" Y, Fl(4) Y 20s 23°33′N 153°54′W

Superbuoy ODAS [Q58] "51101" Y, Fl(4) Y 20s 24°19′N 162°03′W
(18/09 CG14)

526 10Ed. 3/23/96 LAST NM 22/09 28/09
Add Wreck [K29] 23°03′N 160°27′W
Wreck [K29] 23°05′N 160°20′W
Wreck [K29] 23°01′N 159°53′W
Depth 1920 fathoms 20°04′N 157°00′W
(NTM0028/2009; NTM0032/2009)

526 10Ed. 3/23/96 LAST NM 28/09 29/09
Delete Danger circle "Shoal rep (2007)" 23°15′S 159°35′E
R Bn (AERO) 16°44′N 169°32′W

Substitute Depth 215 fathoms for 222 fathoms 27°41′S 155°16′E
Depth 210 fathoms for 220 fathoms 27°58′S 155°37′E
Depth 169 fathoms for 177 fathoms 27°00′S 159°21′E

Depth 283 fathoms for 250 fathoms "Rep (1966)" 25°08′N 135°41′E

Add Depth 138 fathoms 23°24′S 159°50′E
Depth 635 fathoms 23°35′S 154°25′E
Depth 136 fathoms 26°41′S 159°22′E
Depth 401 fathoms 25°31′N 135°27′E
(NOS; NTM0011/2009)

526 10Ed. 3/23/96 LAST NM 29/09 33/09
Add Depth 809 fathoms 22°37′S 154°34′E
Depth 796 fathoms 23°00′S 154°42′E
(NTM0011/2009)

★**530** 32Ed. 6/07 NEW EDITION 32/07
(NOS)

530 32Ed. 6/07 LAST NM 32/07 36/07
Add Superbuoy ODAS [Q58] "46053" Y, Fl(4) Y 20s 34°14′N 119°51′W
(9/07 CG11)

530 32Ed. 6/07 LAST NM 36/07 48/07
Relocate Superbuoy ODAS "46041" from 47°26′N 124°30′W to 47°20′N 124°44′W and delete legend "(PA)"
(42/07 CG13)

530 32Ed. 6/07 LAST NM 48/07 2/08
Add Superbuoy DART [Q26] "21415" RW, Fl(4) Y 20s 50°10′N 171°50′W
(31/07 CG17)

530 32Ed. 6/07 LAST NM 2/08 3/08
Substitute Depth 13 fathoms for 8 fathoms 53°18′N 135°39′W
(NOS)

P 530 32Ed. 6/07 LAST NM 3/08 10/08
Delete Purple composite line (area to be avoided limit) joining
27°40′N 176°45′W
28°00′N 176°44′W
28°26′N 176°28′W

Purple composite line (area to be avoided limit) joining
26°49′N 173°48′W
26°00′N 173°00′W
25°09′N 174°01′W

Purple composite line (area to be avoided limit) joining
24°55′N 171°51′W
25°50′N 172°41′W
26°35′N 171°40′W

Purple composite line (area to be avoided limit) joining
26°10′N 170°10′W
25°15′N 169°40′W
24°36′N 170°24′W

Purple composite line (area to be avoided limit) joining
25°41′N 167°26′W
25°00′N 167°04′W
24°20′N 168°33′W

Purple composite line (area to be avoided limit) joining
23°10′N 166°51′W
24°15′N 167°02′W
24°27′N 165°44′W

Change Note to
"NOTE D
AREAS TO BE AVOIDED
PAPAHANAUMOKUAKEA
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid these areas (MSC IMO, 83rd Session, 2007)." 53°46′N 125°04′W

Add Purple composite-line greater arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered
28°25′N 178°20′W
arc between
27°36′N 178°05′W
29°02′N 177°45′W

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered
28°14′N 177°22′W
arc between
29°02′N 177°45′W
28°26′N 176°28′W

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered
28°14′N 177°22′W
arc between
27°40′N 176°45′W
27°36′N 178°05′W

Purple composite line (area to be avoided limit) [N2.1] between
26°49′N 173°48′W
26°35′N 171°40′W

Purple composite line (area to be avoided limit) [N2.1] between
25°09′N 174°01′W
24°55′N 171°51′W

Purple composite-line greater arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered
25°20′N 170°01′W
arc between
26°10′N 170°10′W
24°36′N 170°24′W

Purple composite line (area to be avoided limit) [N2.1] between
25°41′N 167°26′W
24°27′N 165°44′W

Purple composite line (area to be avoided limit) [N2.1] between
24°20′N 168°33′W
23°10′N 166°51′W

Purple dashed line (reporting area outer limit) [N1.2] joining
29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
26°45′N 171°28′W
26°24′N 170°21′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "PSSA Ship Reporting Area (see note R)" along above limit 26°30′N 170°30′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered
23°03′N 161°55′W
arc joining
24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining
22°05′N 162°08′W
22°35′N 164°47′W
22°48′N 166°38′W
24°04′N 168°28′W
24°26′N 170°45′W
24°47′N 171°53′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "PSSA Ship Reporting Area (see note R)" along above limit 23°50′N 168°35′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered
28°25′N 178°20′W
arc joining
27°27′N 178°39′W
28°45′N 179°26′W
29°23′N 178°04′W

Note
"NOTE R
PSSA Reporting Areas
All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7. (MSC IMO, 83rd Session, 2007)." 59°45′N 118°30′W
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO and are effective at 0001 UTC 1 May 2008
(NTM0001/2008)

★530 32Ed. 6/07 LAST NM 10/08 15/08
Delete Buoy "46401" 46°47′N 170°48′W
(32/07 CG17)

530 32Ed. 6/07 LAST NM 10/08 17/08
Delete Purple composite line (area to be avoided limit) joining
27°40′N 176°45′W
28°00′N 176°44′W
28°26′N 176°28′W

Purple composite line (area to be avoided limit) joining
26°49′N 173°48′W
26°00′N 173°00′W
25°09′N 174°01′W

(continued on next page)

530 (Continued) 17/08

Purple composite line (area to be avoided limit) joining 24°55′N 171°51′W
25°50′N 172°41′W
26°35′N 171°40′W

Purple composite line (area to be avoided limit) joining 26°10′N 170°10′W
25°15′N 169°40′W
24°36′N 170°24′W

Purple composite line (area to be avoided limit) joining 25°41′N 167°26′W
25°00′N 167°04′W
24°20′N 168°33′W

Purple composite line (area to be avoided limit) joining 23°10′N 166°51′W
24°15′N 167°02′W
24°27′N 165°44′W

Change Note to
"NOTE D
AREAS TO BE AVOIDED
PAPAHANAUMOKUAKEA
Particularly Sensitive Sea Area (PSSA)
All vessels solely in transit should avoid these areas (MSC IMO, 83rd Session, 2007)". 53°46′N 125°04′W

Add Purple composite-line greater arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°25′N 178°20′W
arc between 27°36′N 178°05′W
29°02′N 177°45′W

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°14′N 177°22′W
arc between 29°02′N 177°45′W
28°26′N 176°28′W

Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 28°14′N 177°22′W
arc between 27°40′N 176°45′W
27°36′N 178°05′W

Purple composite line (area to be avoided limit) [N2.1] between 26°49′N 173°48′W
26°35′N 171°40′W

Purple composite line (area to be avoided limit) [N2.1] between 25°09′N 174°01′W
24°55′N 171°51′W

Purple composite-line greater arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 25°20′N 170°01′W
arc between 26°10′N 170°10′W
24°36′N 170°24′W

Purple composite line (area to be avoided limit) [N2.1] between 25°41′N 167°26′W
24°27′N 165°44′W

Purple composite line (area to be avoided limit) [N2.1] between 24°20′N 168°33′W
23°10′N 166°51′W

Purple dashed line (reporting area outer limit) [N1.2] joining 29°23′N 178°04′W
28°44′N 175°14′W
27°01′N 173°26′W
26°45′N 171°28′W
26°24′N 170°21′W
25°56′N 167°32′W
24°50′N 165°59′W
24°02′N 161°41′W

Legend "PSSA Ship Reporting Area (see note R)" along above limit 26°30′N 170°30′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc joining 24°02′N 161°41′W
23°00′N 160°50′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] joining 22°05′N 162°08′W
22°35′N 164°47′W
22°48′N 166°38′W
24°04′N 168°28′W
24°26′N 170°45′W
24°47′N 171°53′W
25°08′N 174°29′W
27°06′N 176°36′W
27°27′N 178°39′W

Legend "PSSA Ship Reporting Area (see note R)" along above limit 23°50′N 168°35′W

Purple dashed-line arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 28°25′N 178°20′W
arc joining 27°27′N 178°39′W
28°45′N 179°26′W
29°23′N 178°04′W

Note
"NOTE R
PSSA Reporting Areas
All ships 300 gross tonnage or greater and all ships in the event of a developing emergency in transit through the reporting area are required to participate in CORAL SHIPREP. Reports should be made to U.S. Coast Guard CAMSPAC via INMARSAT-C. See Chapter 2, U.S. Coast Pilot 7. (MSC IMO, 83rd Session, 2007)". 59°45′N 118°30′W
Note: The above changes and additions to Areas to be Avoided have been adopted by IMO
(Supersedes 10/08P-530)
(NTM0001/2008)

530 32Ed. 6/07 LAST NM 17/08 26/08
Relocate Superbuoy ODAS "46025" from 33°45′N 119°05′W to 33°44′N 119°03′W
and delete legend "PA"
(16/08 CG11)

530 32Ed. 6/07 LAST NM 26/08 30/08
Relocate Superbuoy ODAS "46089" from 45°54′N 125°46′W to 45°54′N 125°49′W
(27/08 CG13)

530 32Ed. 6/07 LAST NM 30/08 31/08
Relocate Superbuoy ODAS "46002" from 42°35′N 130°22′W to 42°34′N 130°28′W
(28/08 CG13)

530 32Ed. 6/07 LAST NM 31/08 33/08
Add Buoy ODAS [Q58] "NOAA PMEL DART", conical, Fl Y 4s (Priv) 20°32′N 157°50′W
(11/08 CG14)

530 32Ed. 6/07 LAST NM 33/08 35/08
Change Visibility (range) of light to 13M 19°38′N 156°00′W
(17/08 CG14)

530 32Ed. 6/07 LAST NM 35/08 37/08
Substitute Wreck [K29] (PD) for dangerous wreck (PD) 57°40.0′N 159°10.0′W
(NOS)

530 32Ed. 6/07 LAST NM 37/08 38/08
Delete Light 47°40′N 124°30′W
(16/08 CG13)

530 32Ed. 6/07 LAST NM 38/08 42/08
Add Superbuoy ODAS [Q58] "46070" Y, Fl(4) Y 20s (Priv) (PA) 55°00′N 175°17′E
Superbuoy ODAS [Q58] "21414" Y, Fl(4) Y 20s (Priv) (PA) 48°57′N 178°16′E
(39/08 CG17)

530 32Ed. 6/07 LAST NM 42/08 43/08
Delete Superbuoy DART "21415" 50°10′N 171°50′W
(Supersedes 2/08-530)

Change Superbuoy ODAS to DART "21414" RW, Fl(4) Y 20s (Priv) (PA) 48°57′N 178°16′E
(See 42/08-530)
(40/08 CG17)

★**530** 32Ed. 6/07 LAST NM 43/08 46/08
Add Depth 615 fathoms 21°59′N 175°33′E
(NTM0026/2007)

530 32Ed. 6/07 LAST NM 46/08 52/08
Add Buoy RW, Fl Y 4s (Priv) 33°29′N 122°32′W
(49/08 CG11)

530 32Ed. 6/07 LAST NM 52/08 4/09
Relocate Superbuoy ODAS "46413" from
48°52′N 175°35′W to 48°40′N 174°36′W
(52/08 CG17)

530 32Ed. 6/07 LAST NM 4/09 6/09
Add Depth 1501 fathoms 19°02′N 157°47′W
(NTM0003/2009)

530 32Ed. 6/07 LAST NM 6/09 11/09
Add Superbuoy ODAS [Q58] "46062" Y,
Fl(4) Y 20s (PA) 35°06′N 121°01′W
(7/09 CG11)

530 32Ed. 6/07 LAST NM 11/09 21/09
Add Submarine cable [L30.1] joining 45°39′N 123°57′W
45°47′N 124°22′W
45°42′N 124°30′W
45°47′N 125°11′W
45°47′N 125°20′W
45°54′N 126°02′W
(NOS)

530 32Ed. 6/07 LAST NM 21/09 22/09
Add Superbuoy ODAS [Q58] "51000" Y,
Fl(4) Y 20s 23°28′N 154°00′W

Superbuoy ODAS [Q58] "51100" Y,
Fl(4) Y 20s 23°33′N 153°54′W

Superbuoy ODAS [Q58] "51101" Y,
Fl(4) Y 20s 24°19′N 162°03′W
(18/09 CG14)

530 32Ed. 6/07 LAST NM 22/09 23/09
Add Superbuoy ODAS [Q58] "46419" RW,
Fl(4) Y 20s 48°48′N 129°36′W
(NOS)

530 32Ed. 6/07 LAST NM 23/09 26/09
Add Wreck [K29] 31°36′N 118°36′W
(NTM0028/2009)

530 32Ed. 6/07 LAST NM 26/09 27/09
Delete Superbuoy ODAS "46063" 34°16′N 120°41′W
(21/09 CG11)

530 32Ed. 6/07 LAST NM 27/09 28/09
Add Wreck [K29] 23°03′N 160°27′W
Wreck [K29] 23°05′N 160°20′W
Wreck [K29] 23°01′N 159°53′W
Depth 1920 fathoms 20°04′N 157°00′W
(NTM0028/2009; NTM0032/2009)

530 32Ed. 6/07 LAST NM 28/09 29/09
Change Visibility (range) of light to 20M 37°11′N 122°23′W
(24/09 CG11)

530 32Ed. 6/07 LAST NM 29/09 30/09
Add Note

"NOTE G
SHIP REPORTING SYSTEM
The following vessels entering or departing any U.S. port or place and in transit through the reporting area are required to report into the System: all vessels 300 gross tons or greater and all vessels in the event of a developing emergency. The following vessels in transit through the reporting area should report into the System: all vessels 300 gross tons or greater, fishing vessels, and all vessels in the event of a developing emergency. See IMO SN.1, Circ. 273. Information concerning the Ship Reporting System is also published in the U.S. Coast Pilot 7, Chapters 2 and 14, and updated through Notices to Mariners. Information may also be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, or at the Office of the District Engineer, Corps of Engineers, in Honolulu."
53°00′N 118°00′W

Note

"NOTE H
The Areas to be Avoided and the Particularly Sensitive Sea Area have been charted in their true positions. The limits of the Papahanaumokuakea Marine National Monument have been slightly offset for clarity. The inner limit of the Ship Reporting System Area is co-linear with the outer limits of the Areas to be Avoided and is not depicted."
59°30′N 127°00′W
(NOS)

530 32Ed. 6/07 LAST NM 30/09 32/09
Relocate Superbuoy ODAS "46066" from
52°42′N 155°01′W to 52°44′N 154°58′W
(27/09 CG17)

★**531** 24Ed. 7/07 NEW EDITION 36/07
(NOS)

531 24Ed. 7/07 LAST NM 36/07 18/08
Relocate Buoy "46001" from 56°17.7′N 148°10.3′W to
56°18.0′N 148°01.3′W
(33/07 CG17)

★**531** 24Ed. 7/07 LAST NM 18/08 24/08
Add Submarine cable [L30.1] joining 57°27.4′N 152°19.6′W
57°33.7′N 152°01.4′W
57°51.0′N 152°04.5′W
57°49.2′N 152°21.3′W

Submarine cable [L30.1] joining 59°46.0′N 152°07.4′W
59°38.1′N 151°56.5′W
59°38.2′N 151°32.6′W
59°20.9′N 152°07.4′W
58°13.1′N 151°37.6′W
57°49.2′N 152°21.3′W

Submarine cable [L30.1] joining 59°54.9′N 149°25.6′W
59°41.5′N 149°23.5′W
59°22.1′N 149°41.5′W
58°54.8′N 151°00.3′W
58°13.1′N 151°37.6′W

Submarine cable [L30.1] between 58°13.1′N 151°37.6′W
57°51.0′N 152°04.5′W
(NOS)

531 24Ed. 7/07 LAST NM 24/08 38/08
Delete Light 47°40.2′N 124°30.0′W
(16/08 CG13)

531 24Ed. 7/07 LAST NM 38/08 40/08
Add Superbuoy ODAS [Q58] "46105" Y,
Fl(4) Y 20s (Priv) (PA) 59°03.0′N 152°13.8′W
(38/08 CG17)

531 24Ed. 7/07 LAST NM 40/08 4/09
Substitute Depth 2 fathoms 2 feet Rk [K14.2] for
3 fathoms 1 foot 59°57.3′N 147°18.0′W
(NOS)

★**531** 24Ed. 7/07 LAST NM 4/09 5/09
Add Submarine cable [L30.1] joining 47°11.3′N 129°44.6′W
47°44.0′N 130°02.1′W
48°35.1′N 131°17.4′W
49°23.8′N 132°15.3′W
50°19.3′N 132°37.8′W
54°46.7′N 139°13.9′W
55°06.8′N 139°37.8′W
55°25.2′N 139°30.8′W
56°13.1′N 140°12.3′W
56°40.9′N 140°58.3′W
57°38.5′N 144°00.1′W
57°36.7′N 145°31.4′W
59°05.0′N 149°07.8′W
59°04.4′N 152°02.7′W
59°20.0′N 152°09.6′W
59°25.2′N 152°08.7′W
59°36.2′N 151°40.0′W
59°37.9′N 151°33.0′W
(NOS)

531 24Ed. 7/07 LAST NM 6/09 8/09
Substitute Dangerous submerged rock [K13] for depth 3 fathoms 5 feet Rk 56°46.8′N 135°30.6′W
(NOS)

531 24Ed. 7/07 LAST NM 8/09 23/09
Add Superbuoy ODAS [Q58] "46419" RW, Fl(4) Y 20s 48°48.0′N 129°36.0′W
(NOS)

531 24Ed. 7/07 LAST NM 23/09 24/09
Add Racon symbol [S3.1] to position circle 53°25.5′N 131°55.0′W
(Can LL)

531 24Ed. 7/07 LAST NM 24/09 26/09
Add Depth 450 fathoms enclosed by dashed-line circle "Rep (2009)" 54°23.6′N 134°23.6′W
(NTM0005/2009)

★**531** 24Ed. 7/07 LAST NM 26/09 32/09
Relocate Superbuoy ODAS "46066" from 52°41.8′N 155°00.6′W to 52°44.2′N 154°57.7′W
(27/09 CG17)

★**532** 17Ed. 2/3/96 NEW EDITION 15/96
(DMA)

532 17Ed. 2/3/96 LAST NM 15/96 32/96
Add Submarine cable joining 57°09′N 156°47′E
57°19′N 156°26′E
57°50′N 154°30′E
(24(1995)96 Taunton)

532 17Ed. 2/3/96 LAST NM 32/96 34/96
Delete R Bn and legend "Consol Bn" 50°49′N 156°26′E
(BA RA)

532 17Ed. 2/3/96 LAST NM 34/96 50/96
Add Wreck (PA) 56°49′N 162°36′W
(45/96 CG17)

532 17Ed. 2/3/96 LAST NM 50/96 22/99
Relocate Superbuoy ODAS "46035" close SW to 56°55′N 177°49′W
(GIMM021/99)

532 17Ed. 2/3/96 LAST NM 22/99 4/01
Delete Depth 1 ¼ fathoms "(rep. 1851)" (ED) 64°15′N 178°01′W
(NTM0055/2000)

532 17Ed. 2/3/96 LAST NM 4/01 7/01
Delete R Bn 66°01′N 169°43′W
R Bn 65°28′N 171°04′W
(43(7170, 7171)00 St. Petersburg)

532 17Ed. 2/3/96 LAST NM 7/01 13/01
Delete R Bn 65°04′N 172°06′W
(44(7355)00 St. Petersburg)

532 17Ed. 2/3/96 LAST NM 13/01 40/01
Add Wreck [K29] 58°56′N 175°53′W
(32/01 CG17)

532 17Ed. 2/3/96 LAST NM 40/01 44/01
Add Superbuoy ODAS [Q58] "46066" Y, Fl(4) Y 20s 52°39′N 155°00′W
(NOS)

532 17Ed. 2/3/96 LAST NM 44/01 5/02
Add Superbuoy ODAS [Q58] Y, Fl Y 4s 50°27′N 165°02′W
Superbuoy ODAS [Q58] Y, Fl Y 4s 52°34′N 157°10′W
(32/01 CG13)

532 17Ed. 2/3/96 LAST NM 5/02 17/02
Delete R Bn 57°09′N 170°16′W
(NOS)

532 17Ed. 2/3/96 LAST NM 17/02 38/02
Delete Superbuoy ODAS "46035" 56°55′N 177°49′W

Add Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 52°02′N 172°04′W
(NTM0031/2002)

532 17Ed. 2/3/96 LAST NM 38/02 34/03
Relocate Superbuoy ODAS "46066" from 52°39′N 155°00′W to 53°15′N 155°09′W

Add Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s 57°03′N 177°35′W
(26/03 CG17)

532 17Ed. 2/3/96 LAST NM 34/03 50/03
Relocate Superbuoy ODAS "46072" from 52°02′N 172°04′W to 51°38′N 172°09′W
(NTM0022/2003)

532 17Ed. 2/3/96 LAST NM 50/03 11/04
Delete R Bn 57°14′N 156°37′E
(25(3965)03 St. Petersburg)

532 17Ed. 2/3/96 LAST NM 11/04 15/04
Delete R Bn 64°24′N 172°15′W
R Bn 64°20′N 173°34′W
(34(5550, 5551)03 St. Petersburg)

532 17Ed. 2/3/96 LAST NM 15/04 20/04
Delete R Bn 54°44′N 162°07′E
(36(5870)03 St. Petersburg)

532 17Ed. 2/3/96 LAST NM 20/04 44/04
Relocate Superbuoy ODAS "46066" from 53°15′N 155°09′W to 52°42′N 155°01′W

Add Superbuoy ODAS [Q58] "46071" Y, Fl(4) Y 20s 51°19′N 179°06′E
(34/04 CG17; NTM0002/2004)

532 17Ed. 2/3/96 LAST NM 44/04 27/05
Relocate Superbuoy ODAS "46071" from 51°19′N 179°06′E to 51°10′N 179°01′E
(See 44/04-532)
(20/05 CG17)

532 17Ed. 2/3/96 LAST NM 27/05 28/05
Add Superbuoy ODAS [Q58] "46073" Y, Fl(4) Y 20s 54°57′N 172°02′W
(NOS)

532 17Ed. 2/3/96 LAST NM 28/05 2/08
Add Superbuoy DART [Q26] "21415" RW, Fl(4) Y 20s 50°10′N 171°50′W
(31/07 CG17)

532 17Ed. 2/3/96 LAST NM 2/08 32/09
Relocate Superbuoy ODAS "46066" from
52°42′N 155°01′W to 52°44′N 154°58′W
(27/09 CG17)

★540 19Ed. 4/08 NEW EDITION 25/08
Change Visibility (range) of light to 13M 19°38′N 156°00′W
(Previously published 24/08)
(NOS)

540 19Ed. 4/08 LAST NM 25/08 6/09
Add Depth 1501 fathoms 19°02.3′N 157°47.6′W
(NTM0003/2009)

540 19Ed. 4/08 LAST NM 6/09 16/09
Change Buoy "DART II" to "DART 51407" RW,
Fl(4) Y 20s 19°38′N 156°31′W
(10/09 CG14)

540 19Ed. 4/08 LAST NM 16/09 22/09
Add Superbuoy ODAS [Q58] "51000" Y,
Fl(4) Y 20s 23°27.8′N 154°00.0′W

Superbuoy ODAS [Q58] "51101" Y,
Fl(4) Y 20s 24°19.3′N 162°03.5′W
(18/09 CG14)

540 19Ed. 4/08 LAST NM 22/09 27/09
Add Wreck [K29] 23°03′N 160°27′W
Wreck [K29] 23°05′N 160°20′W
Wreck [K29] 23°01′N 159°53′W
(NTM0028/2009)

540 19Ed. 4/08 LAST NM 27/09 28/09
Add Depth 1920 fathoms 20°04.5′N 156°59.6′W
(NTM0032/2009)

540 19Ed. 4/08 LAST NM 28/09 29/09
Delete R Bn (AERO) and legend "LORAN TOWER"
16°44′N 169°32′W
(NOS)

540 19Ed. 4/08 LAST NM 29/09 30/09
Delete Legend "SHIP ... note E)" 22°52′N 163°24′W
Legend "SHIP ... note E)" 25°42′N 168°55′W
Legend "SHIP ... note E)" 27°23′N 174°33′W

Change Line 8 of NOTE E in right upper margin of chart to "emergency. See IMO SN.1, Circ. 273. Information concerning"

NOTE F in right upper margin of chart to "NOTE F
The Areas to be Avoided and the Particularly Sensitive Sea Area have been charted in their true positions. The limits of the Papahanaumokuakea Marine National Monument have been slightly offset for clarity. The inner limit of the Ship Reporting System Area is co-linear with the outer limits of the Areas to be Avoided and is not depicted."
(NOS)

★541 2Ed. 12/18/76 NEW EDITION 8/77
(DMAHC)

541 2Ed. 12/18/76 LAST NM 8/77 22/77
Add Danger circle "Shoal Rep (1977)" 7°47′S 170°23′W
(14(843)77 Taunton)

★541 2Ed. 12/18/76 LAST NM 22/77 40/77
Delete Submerged submarine transit
lanes "ST-1" 22°00′N 157°30′W
and ST-2, ST-4, ST-5, ST-6, ST-7,
ST-8

Legends "SEE CAUTION" 20°37′N 154°18′W
19°40′N 159°30′W

Caution note 13°05′N 173°25′W
(DMAHC)

541 2Ed. 12/18/76 LAST NM 40/77 21/80
Add Depth 200 fathoms "Rep (1979)" 5°24.0′S 173°56.6′W
(NVS6111/80)

541 2Ed. 12/18/76 LAST NM 21/80 32/80
Add Depth 190 fathoms "Rep (1968)" 2°40′S 174°04′W
(NVS6179/80)

541 2Ed. 12/18/76 LAST NM 32/80 41/80
Add Depth 32 fathoms 14°12′S 170°57′W
(NZ CH 4606)

541 2Ed. 12/18/76 LAST NM 41/80 43/80
Add Depth 22 fathoms "Rep (1965)" (PA) 8°05′N 160°10′W
(BA CH 782)

541 2Ed. 12/18/76 LAST NM 43/80 39/81
Add R Bn (AERO) 13°14′S 176°10′W
(Fr CH 6876)

541 2Ed. 12/18/76 LAST NM 39/81 43/81
Add Depths
23 fathoms "Rep (1981)" (PA) 13°43.6′S 171°35.3′W
24 fathoms "Rep (1981)" (PA) 13°58.3′S 171°19.1′W
(NVS6511, 6513/81)

541 2Ed. 12/18/76 LAST NM 43/81 12/82
Add Depth 328 fathoms 14°58′S 172°12′W
(3(33)82 Auckland)

541 2Ed. 12/18/76 LAST NM 12/82 35/82
Delete Danger circle "Breakers Rep (1945)" 1°58′S 174°51′W
(NVS6728/82)

★541 2Ed. 12/18/76 LAST NM 35/82 52/84
Add Superbuoys, each ODAS, yellow,
Fl(4) Y 20s
"51002" 17°11.4′N 157°49.8′W
"51003" 19°11.0′N 160°49.2′W
"51004" 17°31.9′N 152°37.1′W
(39, 46, 47/84 CG14)

541 2Ed. 12/18/76 LAST NM 52/84 19/85
Add Depth 120 fathoms "Rep (1984)" 9°29.4′N 160°58.0′W
(NVS7391/85)

541 2Ed. 12/18/76 LAST NM 19/85 6/86
Delete Depths
23 fathoms "Rep (1981)" (PA) 13°43.6′S 171°35.3′W
18 fathoms "Rep (1963)" 14°25.0′S 171°18.0′W

Add Depths
172 fathoms 12°16.6′S 173°58.3′W
207 fathoms 13°15.0′S 173°07.2′W
448 fathoms 14°25.0′S 171°18.0′W
(HNNM7671/86)

541 2Ed. 12/18/76 LAST NM 6/86 45/86
Add Danger circle "Breakers (rep 1986)"
(PA) 13°23′S 166°12′W
(37(265)86 Auckland)

541 2Ed. 12/18/76 LAST NM 45/86 52/86
Delete Danger circle "Sandbar Rep (1945)" 0°47′S 174°44′W

Change Legend to "Reef Rep (1954)" 0°55′S 175°06′W

Add Depth 12 fathoms "Rep (1986)" 1°46′S 174°39′W
(MCNM7846/86)

541 2Ed. 12/18/76 LAST NM 52/86 7/88
Add Depth 6 fathoms 1°38′N 173°03′W
(MCNM8048/88)

541 2Ed. 12/18/76 LAST NM 7/88 11/88
Add Depth 255 fathoms 21°54′N 159°56′W
(MCNM8066/88)

541 2Ed. 12/18/76 LAST NM 11/88 19/88
Add Depths
351 fathoms 2°05′N 164°26′W
350 fathoms 0°43′S 170°37′W
200 fathoms 0°59′S 170°40′W
(MCNM8089, 8091/88)

541 2Ed. 12/18/76 LAST NM 19/88 43/88
Substitute Depth 92 fathoms for 812 fathoms 2°52′N 158°46′W
(MCNM8152/88)

541 2Ed. 12/18/76 LAST NM 43/88 12/89
Delete Depths
39 fathoms "Rep (1961)" 13°27′S 172°50′W
15 fathoms 13°52′S 171°14′W
24 fathoms "Rep (1981)" (PA) 13°58′S 171°19′W
(4(30)89 Auckland)

541 2Ed. 12/18/76 LAST NM 12/89 22/91
Relocate Superbuoy ODAS "51004"
(17°31.9′N 152°37.1′W) to 17°32.3′N 152°28.7′W
(10/91 CG14)

541 2Ed. 12/18/76 LAST NM 22/91 34/91
Relocate Superbuoy ODAS "51004"
(17°32.3′N 152°28.7′W) to 17°26.1′N 152°20.4′W
(See 22/91-541)
(30/91 CG14)

541 2Ed. 12/18/76 LAST NM 34/91 36/91
Relocate Superbuoy ODAS "51003"
(19°11.0′N 160°49.2′W) to 19°15.5′N 160°47.3′W
(MCNM1098/91)

541 2Ed. 12/18/76 LAST NM 36/91 13/92
Relocate Superbuoy ODAS "51004"
(17°26.1′N 152°20.4′W) to 17°26.1′N 152°30.4′W
(See 34/91-541)
(10/92 CG14)

541 2Ed. 12/18/76 LAST NM 13/92 33/93
Add R Bn (AERO) 10°22′S 161°00′W
(24(184)93 Auckland)

541 2Ed. 12/18/76 LAST NM 33/93 21/95
Substitute Depth 14 fathoms for 17 fathoms 12°32′S 174°21′W
and delete legend "unsurveyed"
(NZ CH 14605)

★**541** 2Ed. 12/18/76 LAST NM 21/95 37/99
Add Superbuoy ODAS "51028" Y, Fl(4) Y 20s 0°00′ 153°53′W
(NTM0003/1999)

541 2Ed. 12/18/76 LAST NM 37/99 29/00
Add Depth 1990 fathoms "Rep (2000)" (PA) 20°34′N 159°23′W
(NTM0013/2000)

541 2Ed. 12/18/76 LAST NM 29/00 31/00
Add Depth 245 fathoms "Rep (2000)" 20°24′N 157°01′W
(NTM0013/2000)

541 2Ed. 12/18/76 LAST NM 31/00 15/01
Add Depth 656 fathoms "Rep (2000)" [I3.2] 5°53′N 165°22′W

Depth 323 fathoms "Sub vol" enclosed by
danger circle 14°13′S 169°04′W
(42(4094)00 Taunton; NTM0013/2001)

541 2Ed. 12/18/76 LAST NM 15/01 6/03
Substitute Depth 8½ fathoms for 10 fathoms 12°57′S 175°40′W
(47(4391)99 Taunton)

541 2Ed. 12/18/76 LAST NM 6/03 26/04
Relocate Superbuoy ODAS "51002" from
17°11′N 157°50′W to 17°09′N 157°47′W

Add Superbuoy ODAS [Q58] "PICO" Y, Fl Y 4s
(Priv) 20°30′N 158°02′W
(21/04 CG14; NTM0002/2004)

541 2Ed. 12/18/76 LAST NM 26/04 16/05
Add Depth 473 fathoms "rep (2005)" 21°44′N 157°46′W
(NTM0013/2005)

541 2Ed. 12/18/76 LAST NM 16/05 33/05
Substitute Depth 250 fathoms for 340 fathoms 21°44′N 158°38′W
(NTM0013/2005)

541 2Ed. 12/18/76 LAST NM 33/05 16/06
Relocate Superbuoy ODAS "51002" from
17°09′N 157°47′W to 17°11′N 157°47′W
Superbuoy ODAS "51003" from
19°16′N 160°47′W to 19°13′N 160°49′W
(NTM0024/2006)

541 2Ed. 12/18/76 LAST NM 16/06 29/06
Add Depth 2608 fathoms "Rep (2005)" 20°28′N 176°31′W
Depth 1587 fathoms "Rep (2005)" 20°28′N 176°22′W
Depth 1984 fathoms "Rep (2005)" 20°11′N 174°17′W
Depth 1523 fathoms "Rep (2005)" 20°44′N 172°33′W
Depth 1379 fathoms "Rep (2005)" 20°32′N 172°04′W
Depth 790 fathoms (PD) 19°36′N 164°28′W
(NTM0024/2006; US CH 19007)

541 2Ed. 12/18/76 LAST NM 29/06 34/07
Delete R Bn (AERO) 10°22′S 161°00′W
(NTM0011/2007)

541 2Ed. 12/18/76 LAST NM 34/07 36/07
Relocate Superbuoy ODAS "51003" from
19°13′N 160°49′W to 19°05′N 160°40′W
(32/07 CG14)

541 2Ed. 12/18/76 LAST NM 36/07 7/08
Add "Depths to 359fms rep (2007)" area bound by
dashed-line circle, radius 6 miles, centered
1°17′N 159°57′W

"Depths to 344fms rep (2007)" area bound by
dashed-line circle, radius 7 miles, centered
2°05′N 164°24′W

Danger circle [K40] "Shoal rep (2007)", radius
14 miles, centered 8°10′N 160°06′W
(NTM0003/2008)

P 541 2Ed. 12/18/76 LAST NM 7/08 10/08
Add Purple composite-line lesser arc of a circle
(area to be avoided limit) [N2.1], radius 50
miles, centered 23°03′N 161°55′W
arc between 22°30′N 161°16′W
22°30′N 162°36′W

Purple dashed-line lesser arc of a circle
(reporting area outer limit) [N1.2], radius 60
miles, centered 23°03′N 161°55′W
arc between 22°30′N 161°02′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit)
[N1.2] between 22°05′N 162°08′W
22°30′N 164°24′W

Legend "AREA TO BE AVOIDED SEE
CAUTION" 22°22′N 161°55′W
Note: Area extends beyond chart border

Legend "PSSA Ship Reporting Area SEE
CAUTION" along above limit 22°25′N 163°15′W
Note: Area extends beyond chart border

CAUTION note
"CAUTION
All vessels solely in transit should avoid the
limits of the Papahanaumokuakea Particularly
Sensitive Sea Area (PSSA). For further
information about the PSSA Reporting Area,
see Chapter 2, U.S. Coast Pilot 7, and Chart
19016. (MSC IMO, 83rd Session, 2007)."
13°05′N 173°20′W
Note: The above Area to be Avoided has been
adopted by IMO and is effective at 0001 UTC 1
May 2008
(NTM0001/2008)

541 2Ed. 12/18/76 LAST NM 10/08 13/08
Add Depth 1269 fathoms 12°49′S 162°12′W
(25(233)07 Wellington)

541 2Ed. 12/18/76 LAST NM 13/08 14/08
Delete Buoy "PICO" 20°30′N 158°02′W
(10/08 CG14)

541 2Ed. 12/18/76 LAST NM 10/08 17/08
Add Purple composite-line lesser arc of a circle (area to be avoided limit) [N2.1], radius 50 miles, centered 23°03′N 161°55′W
arc between 22°30′N 161°16′W
22°30′N 162°36′W

Legend "AREA TO BE AVOIDED SEE CAUTION" 22°22′N 161°55′W
Note: Area extends beyond chart border

Purple dashed-line lesser arc of a circle (reporting area outer limit) [N1.2], radius 60 miles, centered 23°03′N 161°55′W
arc between 22°30′N 161°02′W
22°05′N 162°08′W

Purple dashed line (reporting area outer limit) [N1.2] between 22°05′N 162°08′W
22°30′N 164°24′W

Legend "PSSA Ship Reporting Area SEE CAUTION" along above limit 22°25′N 163°15′W
Note: Area extends beyond chart border

CAUTION note
"CAUTION
All vessels solely in transit should avoid the limits of the Papahanaumokuakea Particularly Sensitive Sea Area (PSSA). For further information about the PSSA Reporting Area, see Chapter 2, U.S. Coast Pilot 7, and Chart 19016. (MSC IMO, 83rd Session, 2007)". 13°05′N 173°20′W
Note: The above Area to be Avoided has been adopted by IMO
(Supersedes 10/08P-541)
(NTM0001/2008)

541 2Ed. 12/18/76 LAST NM 17/08 33/08
Add Buoy ODAS [Q58] "NOAA PMEL DART", conical, Fl Y 4s (Priv) 20°32′N 157°50′W
(11/08 CG14)

541 2Ed. 12/18/76 LAST NM 33/08 6/09
Add Depth 1501 fathoms 19°02′N 157°47′W
(NTM0003/2009)

541 2Ed. 12/18/76 LAST NM 6/09 20/09
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 14°36′S 168°58′W
(NZ CH 14605)

541 2Ed. 12/18/76 LAST NM 20/09 28/09
Add Depth 1920 fathoms 20°04′N 157°00′W
(NTM0032/2009)

541 2Ed. 12/18/76 LAST NM 28/09 29/09
Delete R Bn (AERO) and legend "LORAN TOWER" 16°44′N 169°32′W
(NOS)

★**550** 7Ed. 2/9/85 NEW EDITION 17/85
Delete Depths
27 fathoms 19°02′N 113°53′E
30 fathoms (PA) 20°01′N 113°52′E

Change Line 16 of cautions note to "5. The islands bound by 9°40′N 121°12′E, 9°48′N 121°12′E, 9°48′N" 24°12′N 108°50′E

Add Depth 30 fathoms (PA) 20°01′N 113°45′E
(DMAHTC; 17(77)82 China)

550 7Ed. 2/9/85 LAST NM 17/85 19/85
Add Depths
293 fathoms "Rep (1985)" (PA) 24°10.6′N 122°37.3′E
265 fathoms "Rep (1984)" (PA) 24°16.0′N 122°42.3′E
279 fathoms "Rep (1984)" (PA) 24°34.0′N 122°53.5′E
(NVS7392, 7449/85)

550 7Ed. 2/9/85 LAST NM 19/85 21/85
Add Legend "CAUTION NO 6" between 23°18′N 118°12′E
22°54′N 117°48′E

Caution No 6 to cautions note
"6. Sandwave peaks were recorded at soundings of 52 feet below sea level between 23°18′N 118°12′E and 22°54′N 117°48′E (1985)." 24°00′N 107°48′E
(14(132)85 Tokyo)

550 7Ed. 2/9/85 LAST NM 21/85 31/85
Add Depth 8 fathoms 4 feet "Rep (1985)" 23°14.2′N 118°12.0′E
(20(1347)85 Taunton)

550 7Ed. 2/9/85 LAST NM 31/85 33/85
Delete Depths
470 fathoms 8°20′N 109°50′E
9 fathoms 5 feet "Rep (1946)" 25°33′N 126°12′E

Add Depths
10 fathoms 5 feet 8°06′N 104°44′E
13 fathoms 7°42′N 106°30′E
7 fathoms 3 feet 7°22′N 109°00′E
37 fathoms 8°09′N 108°51′E
53 fathoms 8°21′N 109°53′E
9 fathoms 4 feet 7°16′N 109°42′E
(27(825)85 Tokyo; 24(1610)85 Taunton)

550 7Ed. 2/9/85 LAST NM 33/85 36/85
Add Depths
17 fathoms 8°49.4′N 108°26.0′E
18 fathoms 8°46.5′N 108°17.6′E
15 fathoms 8°39.0′N 108°05.4′E
17 fathoms 8°35.2′N 108°13.1′E
14 fathoms 8°28.9′N 107°50.0′E
13 fathoms 8°20.7′N 107°35.0′E
16 fathoms 8°14.2′N 107°49.1′E
10 fathoms 5 feet 9°24.5′N 108°22.4′E
9 fathoms 5 feet 8°19.7′N 106°34.7′E
(29(1905)85 Taunton)

550 7Ed. 2/9/85 LAST NM 36/85 37/85
Add Depth 62 fathoms 24°33′N 122°14′E
(29(1911)85 Taunton)

550 7Ed. 2/9/85 LAST NM 37/85 50/85
Delete R Bn (AERO) 23°57′N 121°34′E

Add Light and R Bn 24°00.5′N 121°38.5′E
(Twn CH 351; BA RA)

550 7Ed. 2/9/85 LAST NM 50/85 7/86
Delete Depth 89 fathoms 7°21′N 113°15′E
(HNNM7679/86)

550 7Ed. 2/9/85 LAST NM 7/86 13/86
Add Depth 11 fathoms (PA) 25°27.7′N 121°54.3′E
(50(3346)85 Taunton)

550 7Ed. 2/9/85 LAST NM 13/86 15/86
Delete Depths
32 fathoms 25°49′N 126°34′E
12 fathoms "(rep 1957)" (PD) 25°56′N 127°20′E
24 fathoms "Rep (1964)" 25°43′N 126°36′E
(6(148)86 Tokyo; Jpn CH 1004A; 16(104)85 Cna)

550 7Ed. 2/9/85 LAST NM 15/86 16/86
Add Depth 10 fathoms 2 feet 7°28.0′N 100°54.0′E
Legend "Ko Losin Island is located 8 miles ESE of charted position." 7°10.0′N 102°07.0′E
(Thai CH 206)

550 7Ed. 2/9/85 LAST NM 16/86 19/86
Add Depth 20 fathoms "Rep (1962)" 7°14′N 116°22′E
(BA CH 967)

550 7Ed. 2/9/85 LAST NM 19/86 27/86
Add R Bn at lights 20°00′N 110°56′E
20°54′N 110°37′E
(6(38)86 China)

550 7Ed. 2/9/85 LAST NM 27/86 29/86
Add Depth 22 fathoms 21°10.4′N 120°52.3′E
(NVS7382/85)

550 7Ed. 2/9/85 LAST NM 29/86 31/86
Add Depth 142 fathoms (PA) 9°08.3′N 111°50.2′E
(MCNM7783/86)

550 7Ed. 2/9/85 LAST NM 31/86 2/87
Add Depth 12 fathoms "Rep (1986)" 25°39′N 122°33′E
(39(2836)86 Taunton)

550 7Ed. 2/9/85 LAST NM 2/87 4/87
Add Depth 10 fathoms 5 feet (PA) 12°16.5′N 113°07.0′E
(19(20)85 Brest)

550 7Ed. 2/9/85 LAST NM 4/87 14/87
Add Depth 76 fathoms 10°10.0′N 121°34.0′E
(Jpn CH 1608)

550 7Ed. 2/9/85 LAST NM 14/87 20/87
Delete R Bns (AERO) 22°46′N 121°07′E
22°59′N 120°12′E
24°48′N 120°56′E

Add Dangerous wreck 22°23′N 117°35′E

Light symbols 25°58′N 131°17′E
24°03′N 123°48′E
24°27′N 122°56′E
24°28′N 123°00′E
24°26′N 124°05′E
24°28′N 123°50′E
24°43′N 125°28′E
24°56′N 125°15′E
(MCNM7934/87; Jpn CH 1206, 1004A; US RA)

550 7Ed. 2/9/85 LAST NM 20/87 41/87
Delete R Bn (AERO) 8°26′N 99°58′E
(BA RA)

550 7Ed. 2/9/85 LAST NM 41/87 40/88
Delete Depths
14 fathoms 11°27′N 121°24′E
15 fathoms 12°25′N 121°53′E
168 fathoms 14°02′N 114°23′E

Substitute Depths
591 fathoms 59 fathoms 11°00′N 126°02′E
1800 fathoms for 800 fathoms 13°27′N 115°46′E

Add Depth 168 fathoms 14°01′N 115°22′E
Legends
"Dreyer Bank" 14°00′N 115°40′E
"(ED)" to
depth 90 fathoms 15°54′N 115°08′E
(MCNM8116/88)

550 7Ed. 2/9/85 LAST NM 40/88 51/88
Delete Depths
10.5 fathoms 25°20′N 130°03′E
8 fathoms 25°26′N 120°08′E
9.5 fathoms 25°27′N 120°28′E
5 fathoms "Rep (1923)" 25°49′N 120°39′E

Dotted-line circle and blue tint 25°53′N 120°27′E
(13(73)87 Tianjin; Cna CH 9201)

550 7Ed. 2/9/85 LAST NM 51/88 7/90
Add Depth 6 fathoms 2 feet Rk 9°57.8′N 99°55.4′E
(7(160)89 Bangkok)

550 7Ed. 2/9/85 LAST NM 7/90 39/90
Substitute Depth 64 fathoms "Rep (1989)" for
70 fathoms 9°55′N 109°56′E

Add Depth 65 fathoms "Rep (1989)" 9°51′N 109°50′E
(MCNM1021/90)

550 7Ed. 2/9/85 LAST NM 39/90 40/90
Add Depth 17 fathoms 20°06.0′N 121°50.0′E
(17(1316)90 Taunton)

550 7Ed. 2/9/85 LAST NM 40/90 6/91
Add Depth 16 fathoms 7°15′N 103°04′E
(36(49)90 Brest)

550 7Ed. 2/9/85 LAST NM 6/91 13/91
Add Depth 233 fathoms "Rep (1990)" 8°16.0′N 109°38.0′E
(MCNM1079/91)

550 7Ed. 2/9/85 LAST NM 13/91 21/92
Add Depth 58 fathoms "Rep (1991)" 16°07′N 112°43′E
(7(496)92 Taunton)

550 7Ed. 2/9/85 LAST NM 21/92 17/93
Add R Bn 22°05′N 121°30′E
(11/93 Tso-ying)

550 7Ed. 2/9/85 LAST NM 17/93 33/93
Add Depth 4 fathoms "Rep (1992)" 7°14.0′N 108°57.0′E
(MCC1265/93)

550 7Ed. 2/9/85 LAST NM 33/93 4/95
Add Depth 85 fathoms "Rep (1994)" 15°29.2′N 113°11.3′E
(MCC1306/94)

550 7Ed. 2/9/85 LAST NM 4/95 24/95
Add Depth
164 fathoms 9°00′N 115°28′E
86 fathoms 10°05′N 120°08′E
310 fathoms 8°22′N 119°32′E
(15(1278, 1279)95 Taunton)

550 7Ed. 2/9/85 LAST NM 24/95 27/95
Add R Bn (AERO) 10°55.2′N 108°06.5′E
(BA RA; BA CH 3986)

550 7Ed. 2/9/85 LAST NM 27/95 28/95
Substitute Depth 78 fathoms "Rep (1994)" for
85 fathoms "Rep (1994)" 15°29′N 113°11′E
(See 4/95-550)
(MCC034/95)

550 7Ed. 2/9/85 LAST NM 28/95 45/95
Add Depth
299 fathoms 9°08′N 119°50′E
150 fathoms 9°05′N 119°43′E
(38(3142)95 Taunton)

550 7Ed. 2/9/85 LAST NM 45/95 47/95
Change Line 1 of Caution No. 1 to
"The area enclosed by the dashed line
defining DANGEROUS GROUND" 25°18′N 107°50′E

Add Purple dashed line (limit of dangerous
ground) joining 12°00′N 117°50′E
10°25′N 117°50′E
7°30′N 115°25′E
7°30′N 111°30′E
8°40′N 111°30′E
12°00′N 114°50′E
(BA CH 2660B)

550 7Ed. 2/9/85 LAST NM 47/95 50/95
Delete Depth
5 fathoms 16°18′N 115°08′E
5 fathoms 16°12′N 114°56′E
(MCC034/95)

550 7Ed. 2/9/85 LAST NM 50/95 8/96
Add Dangerous wreck (PA) 9°21.7′N 107°58.0′E
(4(269)96 Taunton)

550 7Ed. 2/9/85 LAST NM 8/96 15/96
Delete Light symbol 11°28′N 114°23′E

Add Light symbol 11°26′N 114°22′E
7°33′N 109°42′E
7°33′N 109°48′E
7°55′N 109°57′E
7°48′N 110°28′E
8°09′N 110°35′E
8°02′N 110°37′E
7°52′N 111°44′E
8°39′N 111°38′E
8°50′N 112°11′E
(33(62)94, 49(43, 46)95 Brest; 6(504)96 Taunton)

550 7Ed. 2/9/85 LAST NM 15/96 26/96
Delete R Bn (AERO) 13°42′N 100°37′E

Add R Bn (AERO) 12°40′N 101°00′E
(BA RA; BA CH 3965)

550 7Ed. 2/9/85 LAST NM 26/96 39/96
Add Light symbol 16°34′N 107°37′E
16°53′N 107°12′E
20°08′N 107°43′E
21°23′N 108°00′E
(24(46)96 Brest)

550 7Ed. 2/9/85 LAST NM 39/96 51/96
Add Depth 24 fathoms 7°36.3′N 108°30.0′E
(43(3560)96 Taunton)

550 7Ed. 2/9/85 LAST NM 51/96 28/97
Add Light symbol with Racon 20°15.4′N 106°35.7′E
7°53.8′N 112°55.1′E
(GIMM047/96; 12(1065)97 Taunton)

550 7Ed. 2/9/85 LAST NM 28/97 30/97
Add Light symbol 21°14′N 107°58′E
(GIMM047/96)

550 7Ed. 2/9/85 LAST NM 30/97 42/97
Delete Depth 5 fathoms 1 foot "Rep (1960)" (PD), enclosing depth contour (10-fathom) and blue tint in vicinity 16°20′N 109°23′E

Depths 5 fathoms "rep (1960)" (PD), 7 fathoms "rep (1964)" (PD), enclosing depth contour (10-fathom) and blue tint in vicinity 16°10′N 109°16′E
(GIMM048/97)

550 7Ed. 2/9/85 LAST NM 42/97 14/98
Delete Depth
400 fathoms "Rep (1965)" 20°27′N 118°05′E
204 fathoms "Rep (1976)" 20°29′N 117°58′E

Add Depth 198 fathoms 20°29′N 117°59′E
(GIMM011/98)

550 7Ed. 2/9/85 LAST NM 14/98 2/99
Substitute Depth 241 fathoms for 261 fathoms "Rep (1971)" 16°52′N 114°50′E

Add Depth 404 fathoms 16°45′N 114°37′E
(5(329)98 Taunton)

550 7Ed. 2/9/85 LAST NM 2/99 4/99
Delete Depth
560 fathoms 8°46′N 109°29′E
575 fathoms 8°41′N 109°35′E
950 fathoms 9°19′N 112°12′E

Add Depth
293 fathoms 8°47′N 109°27′E
293 fathoms 8°34′N 109°38′E
359 fathoms 8°40′N 109°55′E
250 fathoms 8°14′N 110°55′E
117 fathoms 9°19′N 112°15′E
259 fathoms 8°41′N 112°26′E
(12(1032)98 Taunton)

550 7Ed. 2/9/85 LAST NM 4/99 8/99
Add Depth 14 fathoms "Rep (1998)" 24°01′N 123°35′E
(GIMM007/99)

550 7Ed. 2/9/85 LAST NM 8/99 35/99
Add Dangerous wreck "Rep (1998)" 23°15′N 117°55′E
(3(29)99 Tianjin)

550 7Ed. 2/9/85 LAST NM 17/00 42/01
Add Rock awash [K12] "Rep (1999)" (PA) 9°03′N 108°17′E
(NTM0013/2001)

550 7Ed. 2/9/85 LAST NM 42/01 18/02
Delete R Bn (AERO) 10°55′N 108°06′E
(BA RA)

550 7Ed. 2/9/85 LAST NM 18/02 24/02
Add Depth 9 fathoms 5 feet "Rep (2002)" [I3.2] 7°12′N 108°37′E
(18(1833)02 Taunton)

550 7Ed. 2/9/85 LAST NM 24/02 45/02
Delete Dangerous submerged rock (ED) 9°50′N 116°36′E
Dangerous submerged rock (ED) 9°47′N 116°41′E
Dangerous submerged rock (ED) 9°45′N 116°44′E

Substitute Depth 202 fathoms for 2350 fathoms 11°33′N 113°21′E
Depth 147 fathoms for 2164 fathoms 11°11′N 113°54′E

Add Danger circle [K1] 11°48′N 117°50′E
Danger circle [K1] 11°43′N 117°34′E
Depth 18 fathoms 11°01′N 114°01′E
Depth 281 fathoms 10°13′N 112°50′E
Depth 108 fathoms 10°07′N 112°58′E
(36(3833, 3834)02 Taunton)

550 7Ed. 2/9/85 LAST NM 45/02 6/03
Delete Racon from light 20°10′N 110°41′E
(9(134)02 Tianjin)

550 7Ed. 2/9/85 LAST NM 6/03 44/04
Add Dangerous wreck [K28] 25°56′N 120°48′E
Dangerous wreck [K28] 23°31′N 119°23′E
(34(886), 37(962)04 Tokyo)

550 7Ed. 2/9/85 LAST NM 44/04 52/04
Delete Depth 8 fathoms 4 feet 21°35′N 120°34′E
Depth 11 fathoms 21°20′N 121°19′E
(43(1107)04 Tokyo)

550 7Ed. 2/9/85 LAST NM 52/04 9/05
Delete Depth 11 fathoms 21°32′N 121°16′E

Substitute Depth 73 fathoms for 13 fathoms "Rep (1981) PA" 21°28′N 120°42′E
(30(782)04 Tokyo)

550 7Ed. 2/9/85 LAST NM 9/05 26/05
Add Wreck [K29] 22°17′N 119°48′E
Wreck [K29] (PA) 25°11′N 121°06′E
(13, 16/05 Tso-ying)

550 7Ed. 2/9/85 LAST NM 26/05 51/05
Add Dangerous wreck [K28] 25°28′N 120°22′E
(44(1323)05 Tokyo)

550 7Ed. 2/9/85 LAST NM 51/05 1/06
Add Wreck [K29] 21°57′N 119°28′E
(67/05 Tso-ying)

550 7Ed. 2/9/85 LAST NM 1/06 35/06
Add Purple dashed-line circle
"Unexploded ordnance" (PA) 23°29′N 117°35′E

Stranded wreck [K24] (PA) 22°51′N 116°27′E
(17(317, 320)06 Tianjin)

550 7Ed. 2/9/85 LAST NM 35/06 50/06
Add Wreck [K29] 21°54′N 119°28′E
(141/06 Tso-ying)

550 7Ed. 2/9/85 LAST NM 50/06 3/07
Delete R Bn at light 25°18′N 121°32′E
R Bn 25°09′N 121°45′E
(119, 149/06 Tso-ying)

550 7Ed. 2/9/85 LAST NM 3/07 9/07
Add Wreck [K29] 21°59′N 120°17′E
Wreck [K29] 21°55′N 119°55′E
(168, 171/06 Tso-ying)

550 7Ed. 2/9/85 LAST NM 9/07 38/08
Add Depth 12 fathoms "Rep (2008)" [I3.2] 25°26′N 123°14′E
(NTM0010/2008)

550 7Ed. 2/9/85 LAST NM 38/08 46/08
Delete Depth 7 fathoms 3 feet 7°22′N 109°00′E

Substitute Depth 80 fathoms for 4 fathoms "Rep (1992)"
7°14′N 108°57′E
(NTM0005/2008)

550 7Ed. 2/9/85 LAST NM 46/08 28/09
Add Depth 351 fathoms 20°12′N 117°20′E
(NTM0011/2009)

★**600** (INT 600) 5Ed. 1/8/94 NEW EDITION 14/94
Add Depth 12 meters 43°28′S 176°51′W
(Previously published 10/94)

Delete Depth 18 meters 29°16′S 168°10′E
(Previously published 11/94)

Substitute Depth 112 meters for
108 meters "Rep (1986)" 29°40′S 167°52′E
(Previously published 11/94)
(DMAHTC)

600 (INT 600) 5Ed. 1/8/94 LAST NM 14/94 33/94
Add Superbuoy ODAS with
light flare symbol 42°47′S 170°04′E
(26(202)94 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 33/94 9/95
Delete Light symbol 34°10′S 172°08′E
(4(44)95 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 9/95 21/95
Delete Depth
310 meters "(1982)" 28°36′S 177°45′W
25 meters 37°33′S 178°52′E

Solid line between 37°28′S 178°48′E
37°33′S 178°52′E
(NZ CH 14605)

600 (INT 600) 5Ed. 1/8/94 LAST NM 21/95 22/95
Substitute Depth 31 meters for 73 meters 46°35′S 165°53′E
(18(151)95 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 22/95 34/95
Delete Light symbol 45°07′S 170°59′E
40°31′S 172°42′E
(26(211, 212)95 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 34/95 40/95
Substitute Islet for
dangerous submerged rock 43°31′S 176°55′W

Add Depth
303 meters 33°42′S 167°16′E
42 meters 47°24′S 167°48′E
(32(249), 33(261)95 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 40/95 46/95
Delete R Bn at light 46°39′S 168°26′E
(38(295)95 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 46/95 13/96
Add Legend "(ED)" to depth 153 meters 36°10′S 173°27′E
(7(71)96 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 13/96 22/96
Delete R Bn (AERO) (PA) 41°45′S 171°34′E
(BA RA)

600 (INT 600) 5Ed. 1/8/94 LAST NM 22/96 25/96
Substitute Depth 88 meters "(1996)" for
115 meters 29°34′S 178°01′W
(16(148)96 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 25/96 33/96
Delete Light 39°06′S 178°00′E
(25(220)96 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 33/96 44/96
Relocate Superbuoy ODAS (42°47′S 170°04′E) to 42°42′S 170°08′E
(38(318)96 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 44/96 51/96
Delete R Bn at light 35°55′S 175°07′E
(44(366)96 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 51/96 29/98
Delete Depth
320 meters 38°05′S 179°05′E
244 meters 38°10′S 178°53′E

Add Depth
291 meters 40°50′S 171°08′E
980 meters 37°52′S 179°01′E
860 meters 37°42′S 179°11′E
170 meters 38°07′S 178°54′E
273 meters 38°07′S 179°03′E
(19(172), 22(195)98 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 29/98 1/99
Delete Depth 5 meters 43°36′S 176°36′W

Substitute Depth 20 meters for 13 meters 43°38′S 176°47′W
(46(392)98 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 1/99 10/99
Add Depth
168 meters 28°40′S 167°50′E
112 meters 28°40′S 167°55′E
219 meters 28°40′S 168°00′E
(GIMM006/99)

600 (INT 600) 5Ed. 1/8/94 LAST NM 10/99 14/99
Delete Light symbol 44°13′S 176°13′W
(GIMM011/99)

600 (INT 600) 5Ed. 1/8/94 LAST NM 14/99 16/99
Substitute Depth 666 meters for 1119 meters 47°47′S 178°55′W

Add Depth 112 meters 47°39′S 179°39′E
(8(101)99 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 16/99 29/99
Delete Depth 168 meters 28°40′S 167°50′E
Depth 112 meters 28°40′S 167°55′E
Depth 219 meters 28°40′S 168°00′E
(Cancels 10/99-600)
(GIMM006/99)

600 (INT 600) 5Ed. 1/8/94 LAST NM 29/99 34/99
Delete Depth 1961 meters 45°38′S 165°53′E
(22(225)99 Auckland)

600 (INT 600) 5Ed. 1/8/94 LAST NM 34/99 4/01
Delete Depth 112 meters 29°40′S 167°52′E
(10(291)99 Wollongong)

600 (INT 600) 5Ed. 1/8/94 LAST NM 4/01 13/01
Delete Depth 662 meters 47°36′S 179°29′W

Substitute Depth 831 meters for 975 meters 47°22′S 179°49′W

Add Depth 361 meters 48°10′S 179°37′W
Depth 590 meters 47°38′S 179°27′W
(34(320)99 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 13/01 16/01
Add Depth 433 meters 38°30′S 169°08′E
(50(468)99 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 16/01 29/01
Add Depth 192 meters, blue tint and enclosing depth contour (200-meter) centered 51°10′S 165°32′E
(1(21)00 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 29/01 45/03
Delete Depth 36 meters "(1986)" (PD), dotted-line circle area and blue tint centered 31°59′S 166°55′E
(19(125)03 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 45/03 9/05
Add Wreck [K29] 41°44′S 174°58′E
(2(29)04 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 9/05 12/05
Add Wreck [K29] 40°32′S 173°10′E
(9(89)04 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 12/05 24/05
Add Wreck [K29] 34°38′S 172°33′E
(25(219)04 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 24/05 30/05
Delete Legend "(1967)" 30°23′S 168°06′E

Substitute Depth 228 meters for 349 meters 30°23′S 167°56′E
Depth 375 meters for 557 meters 30°07′S 171°18′E
(3(35)05 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 30/05 1/06
Delete Depth 1315 meters 30°25′S 174°16′E

Substitute Depth 26 meters for 42 meters 47°24′S 167°48′E

Add Danger circle "Obstn" [K40] 46°39′S 178°32′E
Danger circle "Obstn" [K40] 49°35′S 179°57′E
Danger circle "Obstn" [K40] 50°16′S 180°00′
Depth 90 meters 47°38′S 167°29′E
Depth 99 meters 48°42′S 166°44′E
Depth 200 meters 50°40′S 167°42′E
Depth 168 meters 50°44′S 167°21′E
Depth 462 meters 52°41′S 173°36′E
Depth 559 meters 30°27′S 174°17′E
Depth 635 meters 29°53′S 174°06′E
Depth 99 meters 47°43′S 167°35′E
Depth 99 meters 47°37′S 167°38′E
(34(4043)05 Taunton)

600 (INT 600) 5Ed. 1/8/94 LAST NM 1/06 6/06
Delete Depth 1187 meters 36°19′S 178°06′E

Add Depth 350 meters enclosed by depth contour (1000-meter) 36°19′S 178°02′E
(25(234)05 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 6/06 10/06
Delete Light symbol 39°22′S 176°55′E
(3(32)06 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 10/06 16/06
Delete Depth 145 meters "(1982)" and danger circle 32°06′S 167°46′E
Depth 25 meters "(1993)" and danger circle 32°25′S 167°35′E
Depth 46 meters "(1956)" and danger circle 32°17′S 166°55′E
Depth 16 meters "(1982) ED" and danger circle 32°09′S 167°21′E

Depth 276 meters 31°49′S 167°50′E

Substitute Depth 475 meters for 58 meters Obstn 32°06′S 168°05′E
Depth 95 meters for 140 meters "(1969)" 31°42′S 167°50′E
(26(248)05 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 16/06 33/06
Delete Light symbol and legend "C. Saunders" 45°53′S 170°44′E
(14(145)06 Wellington)

600 (INT 600) 5Ed. 1/8/94 LAST NM 33/06 33/07
Add Depth 566 meters enclosed by dashed-line circle 29°33.0′S 179°47.0′W
Depth 682 meters enclosed by dashed-line circle 33°28.0′S 179°36.5′W
(NTM0011/2007)

600 (INT 600) 5Ed. 1/8/94 LAST NM 33/07 35/07
Substitute Depth 871 meters enclosed by dashed-line circle for 1150 meters 48°43′S 177°41′E
Depth 958 meters enclosed by dashed-line circle for 1203 meters 47°56′S 170°02′E

Add Depth 810 meters enclosed by dashed-line circle 39°46′S 167°15′E
Depth 973 meters enclosed by dashed-line circle 35°00′S 169°56′E

Depth 1520 meters 41°44′S 166°30′E
(NTM0011/2007)

600 (INT 600) 5Ed. 1/8/94 LAST NM 35/07 36/07
Substitute Depth 499 meters for 618 meters 42°58′S 174°49′E

Add Depth 493 meters 42°52′S 176°13′E
Depth 348 meters 43°26′S 174°11′E
(NTM0011/2007)

600 (INT 600) 5Ed. 1/8/94 LAST NM 36/07 37/07
Add Depth 112 meters, blue tint and enclosing depth contour (200-meter) centered 29°40′S 167°52′E
(NTM0011/2007)

600 (INT 600) 5Ed. 1/8/94 LAST NM 37/07 39/07
Add Depth 123 meters 50°27′S 165°41′E
Depth 1691 meters 36°02′S 179°28′E
(NTM0011/2007)

600 (INT 600) 5Ed. 1/8/94 LAST NM 39/07 40/07
Add Depth 123 meters, blue tint and enclosing depth contour (200-meter) centered 50°27′S 165°41′E
(Supersedes 39/07-600)

Depth 1691 meters 36°02′S 179°28′E
(NTM0011/2007)

600 (INT 600) 5Ed. 1/8/94 LAST NM 40/07 3/08
Add Depth 351 meters 43°28′S 175°25′W
Depth 253 meters 44°11′S 175°16′W
Depth 2509 meters 45°50′S 175°32′W
(NTM0011/2007)

600 (INT 600) 5Ed. 1/8/94 LAST NM 3/08 22/08
Add Depth 866 meters 30°02′S 172°54′E
Depth 640 meters 30°37′S 173°02′E
Depth 1327 meters 31°24′S 176°57′E
(NTM0011/2007)

600 (INT 600) 5Ed. 1/8/94 LAST NM 22/08 13/09
Add Depth 36 meters Obstn [K41] 39°39′S 173°18′E
(16(160)06 Wellington)

★**601** (INT 601) 4Ed. 11/4/95 NEW EDITION 10/96
Delete RC at light 46°39′S 168°25′E

RC (AERO) 34°00′S 150°57′E
34°34′S 150°46′E
37°36′S 149°44′E
(DMA; BA RA)

601 (INT 601) 4Ed. 11/4/95 LAST NM 10/96 13/96
Add Legend "(ED)" to depth 153 meters 36°10′S 173°27′E
(7(71)96 Auckland)

601 (INT 601) 4Ed. 11/4/95 LAST NM 13/96 22/96
Delete R Bn (AERO) (PA) 41°45′S 171°34′E
(BA RA)

601 (INT 601) 4Ed. 11/4/95 LAST NM 22/96 44/96
Relocate Superbuoy ODAS close N to 42°42′S 170°08′E
(38(318)96 Auckland)

601 (INT 601) 4Ed. 11/4/95 LAST NM 44/96 51/96
Delete RC at light 35°55′S 175°07′E
(44(366)96 Auckland)

601 (INT 601) 4Ed. 11/4/95 LAST NM 51/96 15/97
Substitute Depth 14 meters for
dangerous submerged rock 40°24′S 144°05′E
(3(81)97 Wollongong)

601 (INT 601) 4Ed. 11/4/95 LAST NM 15/97 29/98
Add Depth 291 meters 40°50′S 171°08′E
(22(195)98 Auckland)

601 (INT 601) 4Ed. 11/4/95 LAST NM 29/98 34/99
Delete Depth 1961 meters 45°38′S 165°53′E
(22(225)99 Auckland)

601 (INT 601) 4Ed. 11/4/95 LAST NM 34/99 48/99
Add Depth 631 meters [I10] 43°55′S 150°28′E
(21(591)99 Wollongong)

601 (INT 601) 4Ed. 11/4/95 LAST NM 48/99 16/01
Add Depth 433 meters 38°30′S 169°08′E
(50(468)99 Wellington)

601 (INT 601) 4Ed. 11/4/95 LAST NM 16/01 14/02
Delete Depth 29 meters, blue tint and enclosing
danger circle 38°56′S 147°59′E
(1(59)02 Wollongong)

601 (INT 601) 4Ed. 11/4/95 LAST NM 14/02 6/03
Delete Submarine cable between 34°02′S 151°31′E
34°03′S 151°42′E

Submarine cable between 33°56′S 151°23′E
33°58′S 151°44′E

Submarine cable between 33°55′S 151°23′E
34°53′S 151°48′E
(24(761)02 Wollongong)

601 (INT 601) 4Ed. 11/4/95 LAST NM 6/03 8/03
Add Light symbol 43°38′S 146°52′E
(15(435)99 Wollongong)

601 (INT 601) 4Ed. 11/4/95 LAST NM 8/03 27/03
Substitute Depth 15 meters, blue tint and enclosing depth
contour (30-meter) for 9 meters 37°45′S 149°44′E
(9(313)03 Wollongong)

601 (INT 601) 4Ed. 11/4/95 LAST NM 27/03 38/03
Add Submarine cable [L30.1] between 38°39′S 145°42′E
40°45′S 145°18′E
(15(497)03 Wollongong)

601 (INT 601) 4Ed. 11/4/95 LAST NM 38/03 12/05
Add Wreck [K29] 40°32′S 173°10′E
(9(89)04 Wellington)

601 (INT 601) 4Ed. 11/4/95 LAST NM 12/05 24/05
Add Wreck [K29] 34°38′S 172°32′E
(25(219)04 Wellington)

601 (INT 601) 4Ed. 11/4/95 LAST NM 24/05 1/06
Substitute Depth 26.5 meters for 42 meters 47°22.7′S 167°50.7′E

Add Depth 90 meters 47°38.2′S 167°28.7′E
Depth 99 meters 48°42.0′S 166°44.0′E
Depth 99 meters 47°43.0′S 167°34.4′E
(34(4043)05 Taunton)

601 (INT 601) 4Ed. 11/4/95 LAST NM 1/06 33/06
Delete Light symbol and legend "C. Saunders" 45°53′S 170°44′E
(14(145)06 Wellington)

601 (INT 601) 4Ed. 11/4/95 LAST NM 33/06 24/07
Delete Depth 60 meters R 41°22′S 144°21′E
Depth 120 meters R 41°49′S 144°24′E
Depth 68 meters 42°41′S 144°51′E
(NTM0011/2007)

601 (INT 601) 4Ed. 11/4/95 LAST NM 24/07 10/08
Add Buoy RW, can, Fl Y 3s 46°56′S 160°28′E
(23(209)07 Wellington)

601 (INT 601) 4Ed. 11/4/95 LAST NM 10/08 13/09
Add Depth 36 meters Obstn [K41] 39°39′S 173°18′E
(16(160)06 Wellington)

★**602** (INT 602) 6Ed. 2/3/96 NEW EDITION 18/96
Substitute Danger circle "Submarine volcano
(1996)" for depth 70 meters 20°59′S 170°17′E
(DMA; 11(940)96 Taunton)

602 (INT 602) 6Ed. 2/3/96 LAST NM 18/96 22/96
Delete Depth 75 meters 21°08′S 167°33′E

Substitute Depth 50 meters for 66 meters 21°03′S 167°44′E
(5(44)96 Brest)

602 (INT 602) 6Ed. 2/3/96 LAST NM 22/96 50/96
Add Depth
300 meters 24°04′S 168°34′E
304 meters 17°32′S 169°23′E
530 meters 19°13′S 164°54′E
29 meters 20°56′S 161°40′E

Danger circle (ED) 22°06′S 159°45′E
(34(38)96 Brest)

602 (INT 602) 6Ed. 2/3/96 LAST NM 50/96 17/97
Delete Danger circle (ED) 22°06′S 159°45′E
(See 50/96-602)
(4(98)97 Wollongong)

602 (INT 602) 6Ed. 2/3/96 LAST NM 17/97 23/97
Substitute Depth 6.2 meters for 10 meters 16°48′S 150°10′E
(5(117)97 Wollongong)

602 (INT 602) 6Ed. 2/3/96 LAST NM 23/97 24/97
Delete Depth 49 meters 23°24′S 167°06′E
(8(36)97 Brest)

602 (INT 602) 6Ed. 2/3/96 LAST NM 24/97 25/98
Add Depth 115 meters 24°16′S 166°56′E
(49(43)97 Brest)

602 (INT 602) 6Ed. 2/3/96 LAST NM 25/98 2/99
Substitute Depth 120 meters for 190 meters 20°59′S 170°22′E
(39(30)98 Brest)

602 (INT 602) 6Ed. 2/3/96 LAST NM 2/99 10/99
Add Depth
168 meters 28°40′S 167°50′E
112 meters 28°40′S 167°55′E
219 meters 28°40′S 168°00′E
(GIMM006/99)

602 (INT 602) 6Ed. 2/3/96 LAST NM 10/99 29/99
Delete Depth 168 meters 28°40′S 167°50′E
Depth 112 meters 28°40′S 167°55′E
Depth 219 meters 28°40′S 168°00′E
(Cancels 10/99-602)
(GIMM006/99)

602 (INT 602) 6Ed. 2/3/96 LAST NM 29/99 47/99
Add Danger circle "Shoal Rep (1999)" 22°11′S 171°10′E
(27(2499)99 Taunton; NTM0034/1999)

602 (INT 602) 6Ed. 2/3/96 LAST NM 47/99 50/99
Substitute Depth 9 meters [I10] for 6 meters 20°08′S 149°29′E
(22(604)99 Wollongong)

602 (INT 602) 6Ed. 2/3/96 LAST NM 50/99 52/99
Add Depth 69 meters [I10] 22°32′S 161°19′E
(43(411)99 Auckland)

602 (INT 602) 6Ed. 2/3/96 LAST NM 52/99 4/01
Delete Depth 112 meters 29°40′S 167°52′E
(10(291)99 Wollongong)

602 (INT 602) 6Ed. 2/3/96 LAST NM 4/01 28/01
Add Light symbol with Racon 17°08′S 152°08′E
(23(647)99 Wollongong)

602 (INT 602) 6Ed. 2/3/96 LAST NM 28/01 12/02
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 18°47′S 179°11′E
(3(34)02 Wellington)

602 (INT 602) 6Ed. 2/3/96 LAST NM 12/02 47/02
Delete RC (Aero) at light 30°18′S 153°07′E
RC (Aero) 32°49′S 151°51′E
RC (Aero) at light 28°10′S 153°30′E
RC (Aero) 21°10′S 149°11′E
(BA RA)

602 (INT 602) 6Ed. 2/3/96 LAST NM 47/02 6/03
Delete Submarine cable between 34°02′S 151°31′E
34°03′S 151°42′E

Submarine cable between 33°56′S 151°23′E
33°58′S 151°44′E

Submarine cable between 33°55′S 151°23′E
34°53′S 151°48′E
(24(761)02 Wollongong)

602 (INT 602) 6Ed. 2/3/96 LAST NM 6/03 38/03
Delete Depth 36 meters, blue tint and enclosing dotted-line circle 32°00′S 166°57′E
(13(421)03 Wollongong)

602 (INT 602) 6Ed. 2/3/96 LAST NM 38/03 7/05
Substitute Depth 15 meters for 16 meters 22°37′S 152°40′E
(24(977)04 Wollongong)

602 (INT 602) 6Ed. 2/3/96 LAST NM 7/05 11/05
Add "Restricted Area - Coastal shipping and dredging prohibited" bound by purple composite line [N2.1] joining 23°15.0′S 167°00.0′E
23°15.0′S 169°00.0′E
25°30.0′S 169°00.0′E
25°30.0′S 167°00.0′E
(23(33)04 Brest)

602 (INT 602) 6Ed. 2/3/96 LAST NM 11/05 17/05
Change Legend to "Restricted Area - Coastal shipping, trawling and dredging prohibited" 24°30′S 168°00′E
(See 11/05-602)
(16(159)04 Wellington)

602 (INT 602) 6Ed. 2/3/96 LAST NM 17/05 24/05
Add Wreck [K29] 34°38′S 172°33′E
(25(219)04 Wellington)

602 (INT 602) 6Ed. 2/3/96 LAST NM 24/05 29/05
Delete Depth 696 meters and enclosing depth contour (1000-meter) centered 25°23′S 169°01′E

Depth 830 meters 23°30′S 167°06′E

Add Depth 621 meters enclosed by depth contour (1000-meter) 25°16′S 168°55′E

Depth 477 meters 23°33′S 167°19′E
(2(26)05 Wellington)

602 (INT 602) 6Ed. 2/3/96 LAST NM 29/05 30/05
Substitute Depth 228 meters for 349 meters 30°23′S 167°54′E
Depth 375 meters for 557 meters 30°07′S 171°18′E
(3(35)05 Wellington)

602 (INT 602) 6Ed. 2/3/96 LAST NM 30/05 39/05
Add Dashed-line circle with blue tint [Ke] "Discol water (2000)" 20°14′S 176°41′E
(NTM0016/2005)

602 (INT 602) 6Ed. 2/3/96 LAST NM 39/05 1/06
Delete Depth 1315 meters 30°25.0′S 174°16.0′E

Add Depth 559 meters 30°27.0′S 174°17.0′E
Depth 635 meters 29°53.0′S 174°06.0′E
(34(4043)05 Taunton)

602 (INT 602) 6Ed. 2/3/96 LAST NM 1/06 16/06
Delete Depth 145 meters and danger circle 32°04′S 167°47′E
Depth 25 meters and danger circle 32°26′S 167°36′E
Depth 294 meters 32°18′S 167°21′E
Depth 46 meters and danger circle 32°16′S 166°56′E
Depth 16 meters and danger circle 32°10′S 167°21′E
Depth 276 meters 31°49′S 167°47′E
Depth 188 meters 31°32′S 167°46′E
Depth 650 meters 32°17′S 168°08′E

Substitute Depth 475 meters for 58 meters Obstn 32°12′S 168°03′E
Depth 95 meters for 140 meters 31°43′S 167°51′E
(26(248)05 Wellington)

602 (INT 602) 6Ed. 2/3/96 LAST NM 16/06 25/06
Add Depth 36 meters enclosed by dotted-line circle and blue tint 23°12′S 159°27′E
(11(115)06 Wellington)

602 (INT 602) 6Ed. 2/3/96 LAST NM 25/06 8/07
Delete Depth 16 meters enclosed by blue tint and dotted-line circle 21°42′S 156°43′E
Depth 80 meters enclosed by blue tint and dotted-line circle 21°54′S 156°41′E
Depth 46 meters enclosed by blue tint and dotted-line circle 30°01′S 159°07′E

Add Depth 706 meters enclosed by dashed-line circle 17°43′S 147°53′E
(NTM0014/2006)

602 (INT 602) 6Ed. 2/3/96 LAST NM 8/07 35/07
Substitute Depth 504 meters for 744 meters 18°01′S 169°39′E

Add Depth 719 meters "Rep" enclosed by depth contour (1000-meter) centered 17°16′S 165°00′E
Depth 823 meters enclosed by depth contour (1000-meter) centered 21°17′S 162°44′E
(NTM0011/2007)

602 (INT 602) 6Ed. 2/3/96 LAST NM 35/07 41/07
Add Depth 112 meters 29°40′S 167°52′E
(NTM0011/2007)

602 (INT 602) 6Ed. 2/3/96 LAST NM 41/07 42/07
Delete Depth 91 meters, blue tint and enclosing danger circle 23°02′S 167°18′E
Depth 55 meters, blue tint and enclosing danger circle 23°03′S 167°39′E
Depth 99 meters, blue tint and enclosing danger circle 23°16′S 167°21′E
Depth 18 meters, blue tint and enclosing danger circle 22°57′S 168°20′E

(continued on next page)

602 (Continued) 42/07
Add Depth 640 meters "Rep" 24°03′S 169°36′E
Depth 732 meters "Rep" 25°48′S 166°58′E
(NTM0011/2007)

602 (INT 602) 6Ed. 2/3/96 LAST NM 42/07 13/08
Add Depth 985 meters 26°58′S 173°40′E
(NTM0011/2007)

★**602** (INT 602) 6Ed. 2/3/96 LAST NM 13/08 14/08
Substitute Depth 42 meters for 44 meters 20°41′S 154°12′E

Add Depth 21 meters, blue tint and enclosing depth contour (30-meter) centered 18°24′S 155°19′E
(NTM0008/2008)

602 (INT 602) 6Ed. 2/3/96 LAST NM 14/08 21/08
Add "Depths to 331m rep (2007)" area bound by dashed line joining 30°31′S 156°12′E
30°54′S 156°34′E
30°54′S 156°11′E
30°39′S 156°03′E

"Shoal rep (2007)" area bound by dotted line joining 32°31′S 156°10′E
32°31′S 156°20′E
32°38′S 156°20′E
32°38′S 156°10′E

"Shoal rep (2007)" area bound by dotted line joining 33°00′S 156°00′E
33°00′S 156°20′E
33°23′S 156°20′E
33°23′S 156°00′E
(NTM0009/2007)

602 (INT 602) 6Ed. 2/3/96 LAST NM 21/08 22/08
Add Depth 640 meters 30°37′S 173°02′E
Depth 1327 meters 31°24′S 176°57′E
(NTM0011/2007)

602 (INT 602) 6Ed. 2/3/96 LAST NM 22/08 24/08
Substitute Depth 277 meters for 286 meters 22°11′S 159°04′E
Depth 325 meters for 330 meters 27°00′S 159°22′E

Add Depth 276 meters 22°34′S 159°07′E
Depth 287 meters 22°52′S 159°18′E
Depth 245 meters 32°36′S 156°15′E
Depth 285 meters 30°55′S 156°22′E
Depth 365 meters 30°35′S 156°12′E
Depth 400 meters 27°58′S 155°37′E
Depth 122 meters 33°14′S 156°13′E
Depth 407 meters 27°41′S 155°16′E
(NTM0026/2007)

★**602** (INT 602) 6Ed. 2/3/96 LAST NM 24/08 27/08
Delete Depth 36 meters, blue tint and enclosing danger circle centered 23°12′S 159°27′E

Add Depth 277 meters 23°10′S 159°27′E
Depth 264 meters 23°24′S 159°50′E
Depth 411 meters 28°20′S 155°37′E

"Depths to 318m rep (2007)" area bound by dashed line joining 23°00′S 159°47′E
23°30′S 159°47′E
23°30′S 159°20′E
23°00′S 159°20′E

"Shoal rep (2007)" area bound by dotted line joining 23°52′S 159°42′E
24°15′S 159°42′E
24°15′S 159°15′E
23°52′S 159°15′E

"Shoal rep (2007)" area bound by dotted line joining 24°40′S 160°00′E
25°40′S 160°00′E
25°40′S 159°25′E
24°40′S 159°25′E

"Depths to 103m rep (2007)" area bound by dashed line joining 22°05′S 159°34′E
22°50′S 159°34′E
22°50′S 159°12′E
22°05′S 158°58′E
(NTM0009/2007, NTM0026/2007)

602 (INT 602) 6Ed. 2/3/96 LAST NM 27/08 40/08
Add Depth 790 meters 16°52′S 151°53′E
Depth 950 meters 16°05′S 151°31′E
(NTM0026/2007)

★**602** (INT 602) 6Ed. 2/3/96 LAST NM 40/08 41/08
Substitute Depth 256 meters for 261 meters 26°41′S 159°22′E
(NTM0026/2007)

602 (INT 602) 6Ed. 2/3/96 LAST NM 41/08 8/09
Substitute Depth 1250 meters for 1647 meters 21°38′S 179°05′E

Add Depth 524 meters 19°50′S 170°40′E
Depth 560 meters "Rep" 21°35′S 173°39′E
Depth 638 meters 22°11′S 173°08′E
Depth 1007 meters 21°29′S 175°41′E
(NTM0038/2008)

★**602** (INT 602) 6Ed. 2/3/96 LAST NM 8/09 18/09
Add Danger circle [K1] "Shoal rep (2008)", radius 12 miles, centered 19°12′S 160°00′E
(NTM0009/2009)

★**602** (INT 602) 6Ed. 2/3/96 LAST NM 18/09 28/09
Delete Depth 22 meters 22°34′S 159°12′E

"Depths to 103m rep (2007)" area bound by dashed line joining 22°05′S 159°34′E
22°50′S 159°34′E
22°50′S 159°12′E
22°05′S 158°58′E

Add Depth 265 meters 22°34′S 159°07′E
Depth 287 meters 22°18′S 159°14′E
Depth 267 meters 22°11′S 159°04′E
Depth 318 meters 22°10′S 159°20′E
Depth 365 meters 22°25′S 159°31′E
Depth 294 meters 22°42′S 159°21′E
(NTM0011/2009)

★**602** (INT 602) 6Ed. 2/3/96 LAST NM 28/09 29/09
Delete "Depths to 318m rep (2007)" area bound by dashed line joining 23°00′S 159°47′E
23°30′S 159°47′E
23°30′S 159°20′E
23°00′S 159°20′E

Substitute Depth 393 meters for 407 meters 27°41′S 155°16′E
Depth 384 meters for 400 meters 27°58′S 155°37′E
Depth 267 meters for 277 meters 23°10′S 159°27′E
Depth 252 meters for 264 meters 23°24′S 159°50′E
Depth 395 meters for 411 meters 28°20′S 155°38′E
Depth 373 meters for 397 meters 28°39′S 155°32′E
Depth 248 meters for 256 meters 26°41′S 159°22′E

Add Depth 309 meters 27°00′S 159°21′E
Depth 265 meters 23°16′S 159°42′E
Depth 391 meters 27°36′S 155°13′E
(NTM0011/2009)

★**602** (INT 602) 6Ed. 2/3/96 LAST NM 29/09 33/09
Delete "Depths to 331m rep (2007)" area in vicinity 30°45′S 156°15′E
"Shoal rep (2007)" area in vicinity 32°35′S 156°17′E
"Shoal rep (2007)" area in vicinity 33°15′S 156°10′E

Substitute Depth 241 meters for 245 meters 32°36′S 156°15′E
Depth 347 meters for 365 meters 30°35′S 156°12′E
Depth 276 meters for 280 meters 30°48′S 156°14′E

Add Depth 1455 meters 23°00′S 154°42′E
(NTM0011/2009)

★**603** (INT 603) 6Ed. 8/3/96 NEW EDITION 37/96
(DMA)

603 (INT 603) 6Ed. 8/3/96 LAST NM 37/96 1/97
Add Light symbol 2°00.3′S 139°14.5′E
(GIMM058/96)

603 (INT 603) 6Ed. 8/3/96 LAST NM 1/97 4/97
Add Submarine cable joining 20°18′S 118°37′E
20°12′S 118°42′E
18°30′S 118°30′E
17°36′S 117°44′E
16°55′S 117°44′E
16°31′S 117°36′E
16°05′S 116°57′E
15°53′S 115°10′E
(35(588)96 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 4/97 7/97
Delete Depth 15 meters 14°18′S 146°55′E

Add Depth 14 meters 14°15′S 146°54′E
(37(634)96 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 7/97 38/97
Add Depth 14.3 meters "Rep (1997)" 8°21′S 127°29′E
(GIMM043/96)

603 (INT 603) 6Ed. 8/3/96 LAST NM 38/97 43/97
Substitute Depth 55 meters (SD) for
92 meters "Rep" 9°50′S 144°46′E
(15(422)97 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 43/97 44/97
Delete Depth
9 meters 9°44′S 129°06′E
7 meters and legend "Karmt Sh" 10°44′S 125°40′E
7 meters "Rep (1992)" 10°58′S 125°42′E
7 meters "Rep (1986)" 11°13′S 125°25′E
19 meters 11°36′S 124°32′E

Danger circle "Breaks Rep (1993)" 10°41′S 126°03′E

Substitute Depth
7 meters for 9 meters 9°53′S 129°17′E
14 meters for 16 meters
"Rep (1993)" 10°41′S 125°50′E

Add Depth 7 meters 9°43′S 129°02′E
(16(450, 451), 17(479)97 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 44/97 50/97
Add Depth 106 meters 3°28.9′S 143°57.7′E
(20(549)97 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 50/97 33/98
Substitute Depth 12 meters for 13 meters 10°08′S 129°31′E
(10(259)98 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 33/98 36/98
Delete Superbuoy SBM 12°30′S 124°24′E
(13(341)98 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 36/98 5/99
Delete Dotted-line circle from depth 13 meters 11°32′S 123°36′E

Substitute Depth
13 meters for 14 meters "Rep" 11°49′S 123°50′E
and delete enclosing dotted-line
circle

18 meters for 19 meters 12°28′S 123°48′E
and delete enclosing dotted-line
circle

13 meters for 9 meters 11°46′S 124°50′E

14 meters for 15 meters 11°40′S 123°26′E
and delete enclosing dotted-line
circle

Add Depth 25 meters 11°40′S 123°33′E
(23(662)98 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 5/99 14/99
Substitute Depth
20 meters for 15 meters 10°51′S 129°04′E
15 meters for 14 meters 10°50′S 129°13′E
16 meters for 14 meters 10°45′S 130°00′E
(26(758)98 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 14/99 20/99
Add Danger circle "Obstn" 7°20′S 116°15′E
(26(2286)98 Taunton)

603 (INT 603) 6Ed. 8/3/96 LAST NM 20/99 39/99
Delete Light vessel "Carpentaria" 10°44′S 141°03′E
(12(344)99 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 39/99 52/99
Add Light symbol 6°08′S 124°37′E
Light symbol 6°02′S 124°03′E
(39(3554)98 Taunton)

603 (INT 603) 6Ed. 8/3/96 LAST NM 52/99 47/02
Delete R Bn (AERO) 16°55′S 145°44′E
(BA RA)

603 (INT 603) 6Ed. 8/3/96 LAST NM 47/02 10/03
Delete Depth 20 meters "Rep (1988)" 10°30′S 126°37′E
(18(500)00 Wollongong)

603 (INT 603) 6Ed. 8/3/96 LAST NM 10/03 52/07
Add Depth 172 meters 6°20′S 132°40′E
(13(1408)01 Taunton)

603 (INT 603) 6Ed. 8/3/96 LAST NM 52/07 19/08
Add Danger circle [K1] "Rep (1975)" 1°12′S 143°02′E
Danger circle [K1] "Reef Rep (1962)" 1°10′S 143°09′E
(NTM0015/2008)

603 (INT 603) 6Ed. 8/3/96 LAST NM 19/08 24/08
Add Depth 498 meters 1°05′S 148°02′E
(NTM006/2007)

★604 (INT 604) 5Ed. 6/22/96 NEW EDITION 33/96
(DMA)

604 (INT 604) 5Ed. 6/22/96 LAST NM 33/96 50/96
Add Depth
304 meters 17°32′S 169°23′E
530 meters 19°13′S 164°54′E
29 meters 20°56′S 161°40′E
(34(38)96 Brest)

604 (INT 604) 5Ed. 6/22/96 LAST NM 50/96 7/97
Delete Depth 15 meters 14°16′S 146°56′E

Add Depth 14 meters 14°15′S 146°54′E
(37(634)96 Wollongong)

604 (INT 604) 5Ed. 6/22/96 LAST NM 7/97 23/97
Substitute Depth 6.2 meters for 10 meters 16°48′S 150°10′E

Add Legend "Breakers Rep (1987)" to
danger circle 1°20′S 151°12′E
(5(117, 120)97 Wollongong)

604 (INT 604) 5Ed. 6/22/96 LAST NM 23/97 24/97
Delete Depth 362 meters 9°08′S 158°22′E

Add Depth 248 meters 9°07′S 158°21′E
(13(1186)97 Taunton)

604 (INT 604) 5Ed. 6/22/96 LAST NM 24/97 34/97
Substitute Depth 26 meters for 18 meters 4°03′S 152°14′E
(7(182)97 Wollongong)

604 (INT 604) 5Ed. 6/22/96 LAST NM 34/97 6/98
Add Depth
510 meters 7°04′S 158°50′E
47 meters 7°59′S 159°37′E
235 meters 8°21′S 160°52′E
(GIMM011/98)

604 (INT 604) 5Ed. 6/22/96 LAST NM 6/98 31/98
Delete R Bn (AERO) 5°40′S 176°07′E
(23(2023)98 Taunton)

604 (INT 604) 5Ed. 6/22/96 LAST NM 31/98 50/99
Substitute Depth 9 meters [I10] for 6 meters 20°08′S 149°29′E
(22(604)99 Wollongong)

604 (INT 604) 5Ed. 6/22/96 LAST NM 50/99 28/01
Add Light symbol with Racon 17°08′S 152°08′E
(23(647)99 Wollongong)

604 (INT 604) 5Ed. 6/22/96 LAST NM 28/01 39/01
Add Depth 10 meters "Rep (2001)" [I3.2] 15°57′S 175°39′E
(20(168)01 Wellington)

604 (INT 604) 5Ed. 6/22/96 LAST NM 39/01 12/02
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 18°47′S 179°11′E
(3(34)02 Wellington)

604 (INT 604) 5Ed. 6/22/96 LAST NM 12/02 18/02
Delete RC (AERO) 12°29′S 177°02′E
(6(58)02 Wellington)

604 (INT 604) 5Ed. 6/22/96 LAST NM 18/02 38/03
Delete Depth 1083 meters 12°49′S 166°39′E

Add Depth 56 meters, blue tint and enclosing depth contour (200-meter) centered 12°42′S 166°38′E
(15(498)03 Wollongong)

604 (INT 604) 5Ed. 6/22/96 LAST NM 38/03 22/04
Add Dangerous submerged rock [K13] "Rep (2002)" 7°11′S 158°22′E
(8(861)04 Taunton)

604 (INT 604) 5Ed. 6/22/96 LAST NM 22/04 39/05
Add Dashed-line circle with blue tint [Ke] "Discol water (2000)" 20°14′S 176°41′E
Dashed-line circle with blue tint [Ke] "Discol water (1999)" 15°37′S 176°05′E
(NTM0016/2005; 3(268)00 Taunton)

604 (INT 604) 5Ed. 6/22/96 LAST NM 39/05 8/07
Add Depth 706 meters 17°43′S 147°53′E
(NTM0014/2006)

604 (INT 604) 5Ed. 6/22/96 LAST NM 8/07 14/08
Substitute Depth 42 meters for 44 meters 20°41′S 154°12′E

Add Depth 21 meters, blue tint and enclosing depth contour (30-meter) centered 18°24′S 155°19′E
(NTM0008/2008)

604 (INT 604) 5Ed. 6/22/96 LAST NM 14/08 24/08
Substitute Depth 362 meters for 399 meters 8°41′S 154°37′E

Add Depth 498 meters 1°05′S 148°02′E
Depth 409 meters 1°06′S 148°50′E
(NTM0026/2007)

604 (INT 604) 5Ed. 6/22/96 LAST NM 24/08 37/08
Substitute Depth 306 meters for 338 meters 9°12′S 153°53′E

Add Depth 658 meters 11°27′S 154°59′E
(NTM0026/2007)

604 (INT 604) 5Ed. 6/22/96 LAST NM 37/08 40/08
Add Depth 950 meters 16°05′S 151°31′E
(NTM0026/2007)

★**604** (INT 604) 5Ed. 6/22/96 LAST NM 40/08 48/08
Add Depth 1463 meters 5°07′S 157°05′E
Depth 962 meters 5°00′S 157°07′E
Depth 1958 meters 11°37′S 154°55′E
(NTM0026/2007)

604 (INT 604) 5Ed. 6/22/96 LAST NM 48/08 52/08
Add Depth 1000 meters 0°53′S 147°45′E
(NTM0026/2007)

604 (INT 604) 5Ed. 6/22/96 LAST NM 52/08 8/09
Substitute Depth 988 meters for 1218 meters 20°34′S 177°27′E

Add Depth 524 meters 19°50′S 170°40′E
(NTM0038/2008)

★**605** (INT 605) 4Ed. 8/26/95 NEW EDITION 44/95
Add Depth
420 meters 20°37′S 178°18′W
306 meters 21°20′S 178°41′W
342 meters 24°33′S 178°03′W
(Previously published 38/95)

Delete Depth 340 meters 13°12′S 175°07′E
(Previously published 41/95)

Substitute Depth 290 meters for 345 meters "Rep (1989)" 21°59′S 174°05′E
(Previously published 41/95)

Add Depth
399 meters 12°51′S 172°42′E
230 meters 13°34′S 175°54′E
196 meters 13°13′S 175°07′E
(Previously published 41/95)

Delete R Bn (AERO) 17°47′S 177°26′E
(Previously published 43/95)

Delete Legend "(1957)" 12°34′S 174°35′W
32°27′S 179°25′W

Add Danger circle 19°30′S 177°25′W
22°20′S 176°00′W
(DMA; 19(143)86, 3(43)93, 3(35)95 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 44/95 6/96
Add Depth 30 meters "Rep (1994)" 20°22′S 176°54′E
(14(1149)94 Taunton)

605 (INT 605) 4Ed. 8/26/95 LAST NM 6/96 13/96
Add Legend "(ED)" to depth 154 meters 36°10′S 173°27′E
(7(71)96 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 13/96 25/96
Substitute Depth 88 meters "(1996)" for 115 meters 29°34′S 178°01′W
(16(148)96 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 25/96 30/96
Add Danger circle "Shoal (1996)" 20°20′S 177°32′W
19°56′S 177°12′W
17°27′S 176°35′W
(23(207)96 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 30/96 51/96
Delete R Bn at light 35°55′S 175°07′E
(44(366)96 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 51/96 26/97
Delete Depth 814 meters 20°21′S 175°12′W

Substitute Depth 520 meters for 680 meters 20°35′S 177°10′W

Add Depth
529 meters 27°13′S 177°18′W
518 meters 20°20′S 175°13′W
(16(138)97 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 26/97 29/97
Add Depth 18 meters "(1997)" 27°24′S 179°14′W
(23(196)97 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 29/97 39/97
Add Depth
1525 meters 21°02.5′S 168°50.0′W
890 meters 19°11.6′S 169°31.0′W
410 meters 18°33.3′S 172°02.3′W
(33(283)97 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 39/97 40/97
Add Depth 329 meters 27°56.0′S 171°07.0′W
(34(291)97 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 40/97 23/98
Change Legend to "Volcanic Activity (1997)" 25°48′S 177°10′W
(15(132)98 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 23/98 26/98
Delete Depth 70 meters and legend
"Volcanic...1997" 25°53′S 177°09′W
(See 23/98-605)

Add Depth 6 meters with legend
"Volcanic activity Rep (1998)" 25°53′S 177°11′W
(GIMM016/98)

605 (INT 605) 4Ed. 8/26/95 LAST NM 26/98 29/98
Add Depth 860 meters 37°42′S 179°11′E
(19(172)98 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 29/98 41/98
Delete Depth 15 meters "(1981)" 16°00′S 179°17′W

Add Depth 11.5 meters 15°56′S 179°17′W
(33(2948)98 Taunton)

605 (INT 605) 4Ed. 8/26/95 LAST NM 41/98 52/99
Add Danger circle "Shoal Rep (1999)" [I4] 19°50′S 176°05′W
(44(418)99 Auckland)

605 (INT 605) 4Ed. 8/26/95 LAST NM 52/99 15/01
Add Depth 590 meters "Sub vol" enclosed by
danger circle 14°13′S 169°04′W
(NTM0013/2001)

605 (INT 605) 4Ed. 8/26/95 LAST NM 15/01 16/01
Substitute Depth 7.6 meters, blue tint and depth contour
(10-meter) for 11 meters 18°10′S 178°19′W
(32(3003)99 Taunton)

605 (INT 605) 4Ed. 8/26/95 LAST NM 16/01 39/01
Add Depth 10 meters "Rep (2001)" [I3.2] 15°57′S 175°39′E
(20(168)01 Wellington)

605 (INT 605) 4Ed. 8/26/95 LAST NM 39/01 9/02
Add Legend "Volcanic Activity (2001)" 18°19′S 174°25′W
(2(27)02 Wellington)

605 (INT 605) 4Ed. 8/26/95 LAST NM 9/02 12/02
Add Danger circle [K1] "Volcanic Activity Rep
(2001)" 18°47′S 179°11′E
(3(34)02 Wellington)

605 (INT 605) 4Ed. 8/26/95 LAST NM 12/02 6/03
Delete Depth 18 meters 12°56′S 175°36′W
Depth 393 meters 12°57′S 175°42′W

Add Depth 16 meters 12°57′S 175°40′W
(47(4391)99 Taunton)

605 (INT 605) 4Ed. 8/26/95 LAST NM 6/03 26/05
Substitute Depth 21 meters for 26 meters 12°31′S 174°20′W
(2(28)05 Wellington)

605 (INT 605) 4Ed. 8/26/95 LAST NM 26/05 39/05
Add Dashed-line circle with blue tint [Ke]
"Discol water (2000)" 20°14′S 176°41′E
Dashed-line circle with blue tint [Ke]
"Discol water (1999)" 15°37′S 176°05′E
(NTM0016/2005; 3(268)00 Taunton)

605 (INT 605) 4Ed. 8/26/95 LAST NM 39/05 46/05
Substitute Depth 22 meters for 33 meters 16°40′S 178°37′W
(NTM0031/2005)

605 (INT 605) 4Ed. 8/26/95 LAST NM 46/05 1/06
Add Depth 559 meters 30°27′S 174°17′E
Depth 635 meters 29°53′S 174°06′E
(34(4043)05 Taunton)

605 (INT 605) 4Ed. 8/26/95 LAST NM 1/06 6/06
Delete Depth 1187 meters 36°19′S 178°06′E

Add Depth 350 meters enclosed by depth contour
(1000-meter) 36°19′S 178°02′E
(25(234)05 Wellington)

605 (INT 605) 4Ed. 8/26/95 LAST NM 6/06 20/06
Substitute Depth 8 meters for 14 meters 16°06′S 173°48′W
(42(51)04 Brest)

605 (INT 605) 4Ed. 8/26/95 LAST NM 20/06 33/07
Substitute Depth 1631 meters for 2300 meters 30°37.0′S 172°52.0′W
Depth 1632 meters for 2341 meters 30°12.0′S 173°21.0′W

Add Depth 1515 meters enclosed by dashed-line
circle 32°33.0′S 171°48.0′W
Depth 1704 meters enclosed by dashed-line
circle 32°12.0′S 171°52.0′W
Depth 1675 meters enclosed by dashed-line
circle 29°37.0′S 173°25.0′W
Depth 1790 meters enclosed by dashed-line
circle 29°17.0′S 173°12.0′W
Depth 566 meters enclosed by dashed-line
circle 29°33.0′S 179°47.0′W
Depth 1029 meters enclosed by dashed-line
circle 33°09.0′S 179°56.0′W
Depth 675 meters enclosed by dashed-line
circle 33°37.0′S 179°50.0′W
Depth 682 meters enclosed by dashed-line
circle 33°28.0′S 179°36.5′W
(NTM0011/2007)

605 (INT 605) 4Ed. 8/26/95 LAST NM 33/07 39/07
Add Depth 1691 meters 36°02.0′S 179°28.0′E

Depth 196 meters, blue tint and enclosing depth
contour (200-meter) centered 36°09.0′S 176°08.0′E
Depth 192 meters, blue tint and enclosing depth
contour (200-meter) centered 36°38.0′S 176°12.0′E

Depth 633 meters 36°58.0′S 176°52.0′E
Depth 889 meters 36°50.0′S 177°28.0′E
Depth 960 meters 36°48.0′S 179°52.0′E
Depth 777 meters 37°28.0′S 179°30.0′E
(NTM0011/2007)

605 (INT 605) 4Ed. 8/26/95 LAST NM 39/07 13/08
Add Depth 985 meters 26°58′S 173°40′E
(NTM0011/2007)

605 (INT 605) 4Ed. 8/26/95 LAST NM 13/08 22/08
Add Depth 640 meters 30°37′S 173°02′E
Depth 1327 meters 31°24′S 176°57′E
Depth 866 meters 30°02′S 172°54′E
Depth 591 meters 31°02′S 173°42′E
Depth 452 meters 30°47′S 173°19′E
Depth 785 meters 31°30′S 172°16′E
Depth 786 meters 32°39′S 172°20′E
Depth 710 meters 33°22′S 172°01′E
Depth 778 meters 31°48′S 179°20′E
Depth 622 meters 34°41′S 178°39′E
(NTM0011/2007)

605 (INT 605) 4Ed. 8/26/95 LAST NM 22/08 8/09
Substitute Depth 1250 meters for 1647 meters 21°38′S 179°07′E
Depth 988 meters for 1218 meters 20°34′S 177°27′E

Add Depth 884 meters 21°58′S 173°12′E
Depth 500 meters 22°06′S 173°48′E
Depth 560 meters "Rep" 21°35′S 173°39′E
Depth 1110 meters 17°24′S 172°00′E
Depth 638 meters 22°11′S 173°08′E
Depth 1007 meters 21°29′S 175°41′E
(NTM0038/2008)

★**605** (INT 605) 4Ed. 8/26/95 LAST NM 8/09 15/09
Add "Depths to 624m rep (2008)" area bound by
dashed-line circle, radius 5 miles, centered
11°15′S 179°21′W
"Depths to 278m rep (2008)" area bound by
dashed-line circle, radius 11 miles, centered
11°44′S 177°54′W

(continued on next page)

605 (Continued) 15/09
"Depths to 543m rep (2008)" area bound by dashed-line circle, radius 7 miles, centered 12°34′S 177°56′W
"Depths to 626m rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 14°35′S 174°53′W
"Depths to 419m rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 14°49′S 177°55′W
"Depths to 628m rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 15°35′S 173°09′W
"Depths to 604m rep (2008)" area bound by dashed-line circle, radius 8 miles, centered 15°56′S 173°17′W
"Depths to 233m rep (2008)" area bound by dashed-line circle, radius 7 miles, centered 16°32′S 173°44′W
(NTM0009/2009)

605 (INT 605) 4Ed. 8/26/95 LAST NM 15/09 20/09
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 14°36′S 168°58′W
(NZ CH 14605)

★**606** (INT 606) 1Ed. 3/19/83 NEW CHART 23/83
Delete R Bns (AERO) 16°35.5′S 143°39.5′W
22°27.0′S 151°20.5′W
23°22.5′S 149°28.0′W
(DMAHTC; US RA)

★**606** (INT 606) 1Ed. 3/19/83 LAST NM 23/83 48/83
Delete Depths
40 meters "(1965)" 21°40′S 175°09′W
29 meters "(1965)" 21°44′S 175°10′W
(NVS7097/83)

606 (INT 606) 1Ed. 3/19/83 LAST NM 48/83 21/84
Delete Dangerous submerged rock 18°14′S 168°20′W
Note: Legend remains

Depth 2963 meters 18°13′S 168°27′W

Add Depth 9.5 meters 18°15′S 168°24′W
(7(34)84 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 21/84 40/84
Add Dotted line circle "Volcanic Island (1984)" 19°01.2′S 174°43.9′W
(27(171)84 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 40/84 2/85
Add Depth 341 meters 14°29′S 149°57′W
(NVS7372/84)

606 (INT 606) 1Ed. 3/19/83 LAST NM 2/85 10/85
Add Depth 100 meters 18°21′S 174°13′W
(39(2549)84 Taunton)

606 (INT 606) 1Ed. 3/19/83 LAST NM 10/85 28/85
Change Legend "Volcanic Island (1984)" to "Volcanic activity Rep (1984)" 19°01.2′S 174°43.9′W
(See 40/84-606)
(16(96)85 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 28/85 6/86
Delete Depths
42 meters "(1981)" 13°44.0′S 171°36.0′W
31 meters "(1961)" 13°49.0′S 171°20.0′W
548 meters 11°56.0′S 173°04.0′W

Substitute Depths
315 meters for 713 meters 12°14.0′S 173°55.0′W
819 meters for 33 meters (1963) 14°25.0′S 171°19.0′W

Add Depth 379 meters 13°15.0′S 173°07.0′W
(HNNM7671/86)

606 (INT 606) 1Ed. 3/19/83 LAST NM 6/86 30/86
Delete Depths
823 meters 12°28.0′S 174°15.0′W
31 meters 12°33.0′S 174°23.0′W

Add Depths
26 meters 12°31.7′S 174°19.2′W
683 meters 13°14.4′S 172°27.9′W
35 meters 14°01.5′S 172°10.5′W
(19(143)86 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 30/86 41/86
Add Depth 574 meters 20°10′S 158°38′W
(34(250)86 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 41/86 45/86
Add Danger circle "Breakers (rep 1986)" (PA) 13°23′S 166°12′W
(37(265)86 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 45/86 51/86
Substitute Depth 912 meters for 1167 meters 19°09′S 159°20′W
(42(293)86 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 51/86 1/87
Delete Dangerous submerged rock and legend "Albert Meyer Rf PD (1911)" 20°53′S 172°19′W
(MCNM7864/86)

606 (INT 606) 1Ed. 3/19/83 LAST NM 1/87 10/87
Add Dangerous submerged rock and legend "Albert Meyer Reef Rep (1911)" (PD) 20°53′S 172°18′W
(Supersedes 1/87-606)
(MCNM7902/87)

606 (INT 606) 1Ed. 3/19/83 LAST NM 10/87 48/87
Add Depth 553 meters 19°17′S 169°33′W
(MCNM8003/87)

606 (INT 606) 1Ed. 3/19/83 LAST NM 48/87 10/88
Add Depth 185 meters "Rep (1977)" (PA) 16°17′S 173°51′W
(MCNM8064/88)

606 (INT 606) 1Ed. 3/19/83 LAST NM 10/88 50/88
Delete Depth 57 meters 17°37′S 174°12′W

Substitute Depths
73 meters for 186 meters 19°14′S 174°18′W
450 meters "Rep (1988)" for 479 meters "(1965)" 16°14′S 147°05′W

Add Depths
51 meters 17°32′S 174°09′W
79 meters "Rep (1988)" 20°47′S 175°12′W
315 meters "Rep (1988)" 21°36′S 175°14′W
91 meters 14°55′S 147°05′W
(32(200, 202)88 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 50/88 12/89
Delete Depths
71 meters "Rep" 13°27′S 172°52′W
27 meters "Rep (1877)" (PA) 13°53′S 171°14′W
44 meters "Rep (1981)" 14°00′S 171°18′W
(4(30)89 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 12/89 37/89
Add Light symbol 14°55′S 147°51′W
(42(87)88 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 37/89 6/90
Add R Bn (AERO) 23°22.5′S 149°28.0′W
(BA RA)

606 (INT 606) 1Ed. 3/19/83 LAST NM 6/90 46/90
Add Legends
"(ED)" to dangerous submerged rock 21°54′S 159°48′W
"(PD)" to danger circle 24°27′S 163°40′W
(35(184)90 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 46/90 4/91
Add Depth 340 meters 14°29′S 152°14′W
(48(3461)90 Taunton)

606 (INT 606) 1Ed. 3/19/83 LAST NM 4/91 8/91
Substitute Depth 272 meters for 1100 meters 16°32′S 152°31′W

Add Depth 626 meters 17°29′S 150°10′W
(23(50)90 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 8/91 24/91
Add Legend "PA" to reef 20°02′S 167°47′W
(11(74)91 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 24/91 12/92
Change Legend to "Antiope Rf (breaks)" 18°14′S 168°05′W
(48(298)91 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 12/92 24/92
Add Depths
848 meters 19°26′S 148°35′W
930 meters 21°05′S 152°18′W
(Fr CH 6035)

606 (INT 606) 1Ed. 3/19/83 LAST NM 24/92 3/93
Add R Bn (AERO) 22°27.0′S 151°20.5′W
(40/92 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 3/93 12/93
Add Light symbol 16°37′S 143°35′W
(39(55)92 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 12/93 13/93
Add Danger circle 18°48′S 175°14′W
19°10′S 175°07′W
(3(43)93 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 13/93 33/93
Add R Bn (AERO) 10°23′S 161°00′W
(24(184)93 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 33/93 45/93
Substitute Danger circle
"Volcanic Activity (1993)" for
dangerous submerged rock and
legend "Volcanic...1979)" 19°10′S 174°50′W
(37(265)93 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 45/93 47/93
Add Depth 27 meters enclosed by
danger circle 23°27′S 150°45′W
(MCC1159/92)

606 (INT 606) 1Ed. 3/19/83 LAST NM 47/93 1/94
Change Legend "PA" to
"Rep to lie 3 miles NE (1993)" 20°02′S 167°48′W
(45(311)93 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 1/94 36/94
Add R Bn (AERO) 17°34′S 149°37′W
(24(44)94 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 36/94 8/95
Substitute Depth 298 meters "Rep" for
313 meters 18°33′S 174°21′W
(3(34)95 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 8/95 16/95
Delete Depth
208 meters 13°02′S 174°14′W
146 meters 16°27′S 173°43′W

Add Depth
146 meters (ED) 16°22′S 173°43′W
38 meters 13°06′S 174°17′W
(3(42)93 Auckland; NZ CH 14605)

606 (INT 606) 1Ed. 3/19/83 LAST NM 16/95 18/95
Delete Depth 79 meters "Rep (1988)" 20°47′S 175°12′W

Substitute Depth 26 meters for
49 meters "(1970)" 20°42′S 175°11′W
(13(118)95 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 18/95 19/95
Delete Dangerous submerged rock "(1949)" (ED)
21°55′S 159°48′W
(14(125)95 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 19/95 22/95
Add Legend "Arago Seamount" at
depth 27 meters 23°27′S 150°45′W
(9(54)95 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 22/95 35/95
Add Depth 710 meters 12°02′S 148°29′W
(21(16)95 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 35/95 21/96
Delete R Bn (AERO) 21°11′S 175°13′W
(BA RA)

606 (INT 606) 1Ed. 3/19/83 LAST NM 21/96 28/96
Delete Depth 55 meters 14°46′S 147°47′W
(12(50)96 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 28/96 44/96
Delete Legend "(1963)" 27°29′S 143°48′W
(Fr CH 7347)

606 (INT 606) 1Ed. 3/19/83 LAST NM 44/96 46/96
Add Light symbol 17°03′S 149°33′W
(29(37)96 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 46/96 26/97
Delete Depth 657 meters 20°23′S 175°13′W

Add Depth 518 meters 20°20′S 175°13′W
(16(138)97 Auckland)

★**606** (INT 606) 1Ed. 3/19/83 LAST NM 26/97 39/97
Add Depth
1525 meters 21°02.5′S 168°50.0′W
410 meters 18°33.3′S 172°02.3′W
(33(283)97 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 39/97 1/99
Substitute Depth
675 meters for 704 meters "(1970)" 27°21′S 144°32′W
128 meters for 130 meters 27°45′S 144°10′W
(45(384)98 Auckland)

606 (INT 606) 1Ed. 3/19/83 LAST NM 1/99 5/00
Delete R Bn (AERO) at light 17°30′S 149°30′W
(BA RA)

606 (INT 606) 1Ed. 3/19/83 LAST NM 5/00 15/01
Add Depth 590 meters "Sub vol" enclosed by
danger circle 14°13′S 169°04′W
(NTM0013/2001)

606 (INT 606) 1Ed. 3/19/83 LAST NM 15/01 28/01
Delete Depth 26 meters 27°25′S 143°57′W
Depth 51 meters "(1963)" 27°23′S 143°47′W
Depth 36 meters "(1972)" 27°43′S 143°18′W
Depth 60 meters (ED) 27°52′S 143°38′W

Add Depth 30 meters 27°26′S 144°01′W
(14(42)01 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 28/01 39/01
Delete Depth 340 meters 14°29′S 152°14′W

Dotted-line circle, blue tint and legend
"Breakers (1890)" in vicinity 16°33′S 154°55′W
(20(169)01 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 39/01 9/02
Add Legend "Volcanic Activity (2001)" 18°19′S 174°25′W
(2(27)02 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 9/02 17/03
Delete Depth 11 meters, blue tint and enclosing danger circle centered 18°17′S 142°01′W
(23(38)00 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 17/03 8/05
Delete Legend "(1972)" 27°29′S 145°09′W

Substitute Depth 19.8 meters for 30 meters 27°26′S 144°01′W
Depth 523 meters for 592 meters 27°30′S 145°02′W
(6(64)04 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 8/05 15/05
Delete Depth 898 meters 18°07′S 152°45′W

Substitute Depth 550 meters for 626 meters 17°29′S 150°10′W
Depth 529 meters for 848 meters 19°28′S 148°34′W

Add Depth 887 meters 16°47′S 155°12′W
Depth 725 meters 18°13′S 152°46′W
Depth 456 meters 18°26′S 154°04′W
(13(127)04 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 15/05 16/05
Substitute Depth 210 meters for 410 meters 22°35′S 150°59′W
(15(142)04 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 16/05 20/05
Add Depth 776 meters 18°59′S 154°06′W
Depth 598 meters 18°48′S 152°15′W
(17(167)04 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 20/05 22/05
Add Light symbol [P1] 17°36′S 149°49′W
(19(178)04 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 22/05 26/05
Substitute Depth 21 meters for 26 meters 12°32′S 174°19′W
(2(28)05 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 26/05 34/05
Delete Light symbol 21°04′S 175°20′W
(10(103)05 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 34/05 37/05
Delete Depth 300 meters 19°21′S 151°32′W

Depth 525 meters, danger circle and legend "(1978)" 18°15′S 153°55′W

Substitute Depth 875 meters for 1040 meters 23°17′S 149°54′W
Depth 990 meters for 2780 meters 20°47′S 150°48′W
Depth 839 meters for 1189 meters 21°48′S 151°30′W
Depth 944 meters for 1030 meters 21°15′S 150°44′W
Depth 462 meters for 297 meters 19°13′S 151°31′W

Add Depth 360 meters 21°33′S 155°27′W
(16(147, 148)05 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 37/05 43/05
Add Depth 197 meters enclosed by depth contour (200-meter) 25°31′S 150°30′W
(19(181)05 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 43/05 6/06
Delete Depth 525 meters and danger circle "(1978)" 18°15′S 153°58′W
(47(5514)05 Taunton)

606 (INT 606) 1Ed. 3/19/83 LAST NM 6/06 20/06
Substitute Depth 8 meters for 14 meters 16°07′S 173°50′W
(42(51)04 Brest)

606 (INT 606) 1Ed. 3/19/83 LAST NM 20/06 34/07
Delete R Bn (AERO) 10°23′S 161°00′W

Add Depth 639 meters enclosed by depth contour (1000-meter) centered 17°38′S 145°16′W
Depth 762 meters enclosed by depth contour (1000-meter) centered 17°08′S 145°51′W
Depth 1694 meters enclosed by depth contour (2000-meter) centered 20°16′S 143°40′W
Depth 1665 meters enclosed by depth contour (2000-meter) centered 20°04′S 143°26′W
(NTM0011/2007)

606 (INT 606) 1Ed. 3/19/83 LAST NM 34/07 35/07
Add Legend "Discolored Water" 25°42′S 149°20′W
Legend "Discolored Water" 23°42′S 147°30′W

Depth 1902 meters enclosed by depth contour (2000-meter) 24°39′S 149°50′W
Depth 1096 meters enclosed by depth contour (2000-meter) 27°40′S 145°48′W
Depth 1420 meters enclosed by depth contour (2000-meter) 26°33′S 146°22′W
(NTM0011/2007)

606 (INT 606) 1Ed. 3/19/83 LAST NM 35/07 37/07
Delete Depth 51 meters, blue tint and enclosing depth contour (200-meter) centered 14°49′S 148°45′W

Substitute Depth 971 meters for 1780 meters 14°13′S 149°11′W
Depth 895 meters for 1350 meters 15°13′S 147°06′W
Depth 870 meters for 1600 meters 14°59′S 144°04′W

Add Depth 1998 meters 22°24′S 153°05′W
Depth 514 meters 19°20′S 150°59′W
Depth 984 meters 13°48′S 149°19′W
Depth 975 meters 13°42′S 148°37′W
Depth 881 meters 15°07′S 145°15′W
Depth 1110 meters 11°26′S 149°00′W
Depth 2550 meters 16°52′S 148°49′W
Depth 2280 meters 16°39′S 149°20′W
Depth 2211 meters 12°28′S 146°28′W
Depth 1102 meters 12°57′S 148°17′W
Depth 1574 meters 11°04′S 149°43′W
Depth 1250 meters 10°35′S 149°28′W
Depth 860 meters 15°34′S 147°22′W
Depth 1191 meters 14°48′S 149°08′W
Depth 1288 meters 10°11′S 149°44′W
Depth 887 meters 16°56′S 143°59′W
(NTM0011/2007)

606 (INT 606) 1Ed. 3/19/83 LAST NM 37/07 39/07
Add Depth 2171 meters 25°12′S 153°09′W
Depth 2460 meters 25°50′S 152°57′W
Depth 2267 meters 23°44′S 154°20′W
Depth 1435 meters 24°06′S 156°27′W
(NTM0011/2007)

606 (INT 606) 1Ed. 3/19/83 LAST NM 39/07 41/07
Delete Legend "Discolored Water" 25°42′S 149°20′W
(See 35/07-606)

Add Legend "Discolored Water" 25°52′S 149°20′W
(NTM0011/2007)

606 (INT 606) 1Ed. 3/19/83 LAST NM 41/07 13/08
Add Depth 2321 meters 12°49′S 162°12′W
Depth 5113 meters 21°41′S 163°46′W
(25(233)07 Wellington)

606 (INT 606) 1Ed. 3/19/83 LAST NM 13/08 20/09
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 14°36′S 168°58′W
(NZ CH 14605)

★**607** (INT 607) 1Ed. 12/11/76 NEW CHART 4/77
Add Light flare symbol 16°44.6′S 151°28.0′W
(DMAHC; 45(2221)76 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 4/77 12/77
Add R Bn (AERO) 14°42′S 145°15′W
(1(28)77 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 12/77 29/77
Add R Bn (AERO) 14°26′S 146°04′W
(20(51)77 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 29/77 17/78
Add Light symbol 17°27.9′S 149°46.0′W
(3(43)78 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 17/78 18/78
Add Light symbol 17°33′S 149°39′W
(12(669)78 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 18/78 52/78
Substitute Depth 9 meters for 11 meters 18°10′S 141°57′W
(BA CH 783)

607 (INT 607) 1Ed. 12/11/76 LAST NM 52/78 23/79
Add Depth 225 meters 21°34′S 139°10′W
(14(53)79 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 23/79 28/79
Add Depth 283 meters (PA) 21°30′S 137°07′W
(9(583)79 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 28/79 2/80
Change Legend "Depths of 3 to 8 meters(1950)"
to "Depths of 3 to 6 meters rep(1960)" 8°02′S 138°35′W
(Fr CH 6607 Print 1973)

607 (INT 607) 1Ed. 12/11/76 LAST NM 2/80 9/80
Delete Depths
870 meters (ED) 8°40′S 139°39′W
64 meters (ED) 8°50′S 139°11′W
(44(49)79 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 9/80 40/80
Relocate R Bn (AERO) close SE to 23°07′S 134°53′W
(Fr CH 6461)

607 (INT 607) 1Ed. 12/11/76 LAST NM 40/80 14/81
Delete Depth 550 meters (PA) 8°17′S 140°53′W

Add Depth 28 meters 8°20′S 140°56′W
(4(47)81 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 14/81 23/81
Delete Light 17°33′S 149°39′W
(BA LL)

607 (INT 607) 1Ed. 12/11/76 LAST NM 23/81 43/82
Delete Depths
283 meters (PA) 21°30′S 137°07′W
225 meters 21°34′S 139°10′W

Add Depth 225 meters 21°34′S 137°10′W
(NVS6780/82)

607 (INT 607) 1Ed. 12/11/76 LAST NM 43/82 9/83
Add Legend "(low and dangerous)" to
I. Oeno 23°57′S 130°45′W
(BA CH 783)

607 (INT 607) 1Ed. 12/11/76 LAST NM 9/83 15/83
Substitute Depth 816 meters for 16 meters (1976)
27°28.0′S 144°35.5′E
(40(42)78 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 15/83 17/83
Delete Depth 16 meters "(1976)" 27°28.0′S 144°35.5′W
(Cancels 15/83-607)
(40(42)78 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 17/83 51/83
Delete R Bn (AERO) 20°46′S 138°34′W
(38(48)83 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 51/83 50/85
Substitute Depth 32 meters for 40 meters (ED) 9°20′S 140°00′W
(32(33)85 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 50/85 13/87
Add R Bn (AERO) 15°49.0′S 140°53.0′W
(4(304)87 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 13/87 24/88
Add Depth 341 meters 14°29′S 149°57′W
(NVS7372/84)

607 (INT 607) 1Ed. 12/11/76 LAST NM 24/88 50/88
Add Depths
91 meters 14°55′S 148°51′W
450 meters "Rep" 16°14′S 147°05′W
(32(202)88 Auckland)

607 (INT 607) 1Ed. 12/11/76 LAST NM 50/88 18/89
Delete Depth 32 meters 9°20′S 140°00′W
(2(50)89 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 18/89 37/89
Add Light symbol 14°55′S 147°51′W
(42(87)88 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 37/89 6/90
Delete R Bn (AERO) 19°51′S 145°00′W
(37(35)89 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 6/90 21/90
Delete Depth 40 meters (1965) 9°03′S 140°40′W

Add Depth 40 meters enclosed by
danger circle 9°08′S 140°38′W
(3(88)90 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 21/90 31/90
Add R Bn (AERO) 16°42.0′S 151°02.0′W
8°48.0′S 140°13.0′W
9°46.0′S 139°01.0′W
8°56.0′S 139°33.0′W
(10(45)90 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 31/90 41/90
Delete Depth 28 meters 8°20′S 140°56′W

Add Depths
267 meters 9°10′S 140°35′W
28 meters 8°20′S 140°51′W
(15(50)90 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 41/90 43/90
Add Depth 272 meters 16°32′S 152°31′W
(27(56)90 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 43/90 48/90
Add Danger circle with legend
"Discol water (rep 1990)" (PA) 25°53′S 134°15′W
(38(2740)90 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 48/90 4/91
Add Depth 340 meters 14°29′S 152°14′W
(48(3461)90 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 4/91 5/91
Substitute Depth 11 meters for 14 meters 22°42′S 133°46′W
(35(43)90 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 5/91 17/91
Delete Blue tint area, islets (5), legend
"Recif de la Minerve (Ebrill)", and
limiting danger line in vicinity 22°39′S 133°30′W

Add Legend "Recif de la Minerve (Ebrill)" 22°44′S 133°46′W
(47(54)90 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 17/91 18/91
Delete Depth 3150 meters 14°54′S 139°38′W

Substitute Depth 400 meters for 1550 meters 23°03′S 137°24′W

Add Depth 570 meters 14°43′S 139°51′W
(10(756)91 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 18/91 24/92
Add Depths
984 meters 14°07′S 149°18′W
530 meters 14°42′S 147°37′W
766 meters 17°06′S 145°51′W
912 meters 17°30′S 145°12′W
639 meters 17°34′S 145°18′W
925 meters 14°13′S 150°22′W
1192 meters 10°06′S 152°20′W
1629 meters 9°33′S 149°58′W
1869 meters 9°55′S 149°47′W
1355 meters 11°24′S 152°10′W
(Fr CH 6597)

607 (INT 607) 1Ed. 12/11/76 LAST NM 24/92 3/93
Add R Bn (AERO) 22°27.0′S 151°20.5′W
(40/92 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 3/93 47/93
Add Depth 27 meters enclosed by
danger circle 23°27′S 150°45′W
(MCC1159/92)

607 (INT 607) 1Ed. 12/11/76 LAST NM 47/93 33/94
Delete R Bn (AERO) 18°28′S 136°26′W
(25(199)94 Auckland)

607 (INT 607) 1Ed. 12/11/76 LAST NM 33/94 36/94
Add R Bn (AERO) 17°34′S 149°37′W
(24(44)94 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 36/94 22/95
Add Legend "Arago Seamount" at
depth 27 meters 23°27′S 150°45′W
(9(54)95 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 22/95 35/95
Add Depth 710 meters 12°02′S 148°29′W
(21(16)95 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 35/95 26/96
Add Depth 529 meters 24°38.8′S 125°06.2′W
(18(1550)96 Taunton)

607 (INT 607) 1Ed. 12/11/76 LAST NM 26/96 28/96
Delete Depth
55 meters 14°46′S 147°47′W
530 meters 14°42′S 147°37′W
(12(50)96 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 28/96 36/96
Delete R Bn (AERO) 8°48.0′S 140°13.0′W
8°56.0′S 139°33.0′W
9°46.0′S 139°01.0′W
(BA RA)

607 (INT 607) 1Ed. 12/11/76 LAST NM 36/96 46/96
Add Light symbol 17°03′S 149°33′W
(29(37)96 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 46/96 52/96
Add Depth
490 meters 8°09′S 141°23′W
54 meters 10°13′S 137°55′W
(Fr CH 7371)

607 (INT 607) 1Ed. 12/11/76 LAST NM 52/96 7/97
Delete Depth
2300 meters 23°28′S 136°04′W
2300 meters 23°28′S 135°35′W

Add Depth
390 meters 23°31′S 136°00′W
675 meters 23°32′S 135°34′W
(33(30)96 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 7/97 1/99
Substitute Depth
675 meters for 700 meters 27°21′S 144°32′W
128 meters for 130 meters 27°45′S 144°10′W
(45(384)98 Auckland)

607 (INT 607) 1Ed. 12/11/76 LAST NM 1/99 5/00
Delete R Bn (AERO) at light 17°30′S 149°30′W
(BA RA)

607 (INT 607) 1Ed. 12/11/76 LAST NM 5/00 32/00
Delete Depth 38 meters 7°57′S 140°55′W
Depth 20 meters "Rep (1965)" 8°24′S 140°56′W

Add Depth 27 meters 8°22′S 140°54′W
Depth 49 meters 7°55′S 140°58′W
(4(21)99 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 32/00 15/01
Substitute Depth 0.8 meter for islet 7°52′S 140°23′W
(44(52)00 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 15/01 28/01
Delete Depth 26 meters 27°25′S 143°57′W
Depth 51 meters 27°23′S 143°47′W
Depth 36 meters "(1972)" 27°43′S 143°18′W
Depth 60 meters (ED) 27°52′S 143°38′W

Add Depth 30 meters 27°26′S 144°01′W
(14(42)01 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 28/01 39/01
Delete Depth 340 meters 14°29′S 152°14′W
(20(169)01 Wellington)

607 (INT 607) 1Ed. 12/11/76 LAST NM 39/01 42/01
Delete R Bn (AERO) 21°49′S 138°47′W
(34(36)99 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 42/01 7/02
Delete Depth 13 meters (ED) 7°57′S 140°15′W
Depth 55 meters "Rep (1965)" 7°50′S 140°02′W
Depth 35 meters "Rep (1965)" 8°10′S 140°52′W

Legend "Depths of 3 to 6 meters rep (1960)"
8°02′S 138°35′W

Substitute Depth 9 meters for 11 meters 8°06′S 139°38′W
Depth 14 meters for 17 meters 8°42′S 140°46′W
(13(41)01 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 7/02 17/03
Delete Depth 9 meters (ED), blue tint and enclosing
danger circle centered 18°11′S 141°56′W
(23(38)00 Brest)

607 (INT 607) 1Ed. 12/11/76 LAST NM 17/03 45/03
Delete Depth 400 meters 23°04′S 137°24′W
Depth 9 meters 23°41′S 134°29′W

Danger circle (ED), blue tint and legend
"Bertero" 22°02′S 133°28′W

Dotted-line circle (PA) and legend
"Discol Water (Rep 1990)" 25°54′S 134°14′W

Add Depth 340 meters enclosed by depth contour
(1000-meter) centered 23°00′S 137°27′W
(19(128)03 Wellington)

607 (INT 607) 1Ed. 12/11/76 LAST NM 45/03 8/05
Delete Legend "(1972)" 27°28′S 144°47′W

Substitute Depth 19.8 meters for 30 meters 27°26′S 144°01′W
Depth 523 meters for 592 meters 27°30′S 145°00′W
(6(64)04 Wellington)

607 (INT 607) 1Ed. 12/11/76 LAST NM 8/05 15/05
Substitute Depth 550 meters for 626 meters 17°29′S 150°10′W

(continued on next page)

607 (Continued) 15/05
Add Depth 725 meters 18°13′S 152°46′W
Depth 529 meters 19°28′S 148°34′W
(13(127)04 Wellington)

607 (INT 607) 1Ed. 12/11/76 LAST NM 15/05 16/05
Substitute Depth 210 meters for 400 meters 22°35′S 150°59′W
(15(142)04 Wellington)

607 (INT 607) 1Ed. 12/11/76 LAST NM 16/05 21/05
Substitute Depth 547 meters for 675 meters 23°32.0′S 135°34.0′W

Add Depth 396 meters 15°17.0′S 135°07.5′W
(19(179)04 Wellington)

607 (INT 607) 1Ed. 12/11/76 LAST NM 21/05 22/05
Add Light symbol [P1] 17°36′S 149°49′W
(19(178)04 Wellington)

607 (INT 607) 1Ed. 12/11/76 LAST NM 22/05 37/05
Substitute Depth 875 meters for 1040 meters 23°17′S 149°54′W
Depth 839 meters for 1190 meters 21°47′S 151°30′W
Depth 944 meters for 1030 meters 21°15′S 150°44′W
Depth 990 meters for 2780 meters 20°50′S 150°48′W
Depth 462 meters for 300 meters 19°11′S 151°31′W
(16(147, 148)05 Wellington)

607 (INT 607) 1Ed. 12/11/76 LAST NM 37/05 16/06
Add Depth 903 meters 10°26′S 139°01′W
and extend depth contour (1000-meter) SE to enclose
(NTM0022/2006)

607 (INT 607) 1Ed. 12/11/76 LAST NM 16/06 16/07
Substitute Depth 2490 meters for 2800 meters 22°06′S 136°07′W

Add Depth 1344 meters 17°50′S 137°36′W
Depth 1582 meters 18°27′S 138°40′W
Depth 1701 meters 19°51′S 138°28′W
Depth 619 meters 22°22′S 137°57′W
Depth 616 meters 21°20′S 136°23′W
Depth 1595 meters 22°11′S 134°58′W
Depth 1830 meters 20°12′S 137°09′W
Depth 1721 meters 18°01′S 135°58′W
Depth 1443 meters 19°25′S 133°29′W
Depth 1357 meters 21°04′S 132°19′W
Depth 1664 meters 19°08′S 135°35′W
Depth 1702 meters 18°40′S 137°36′W
(NTM0014/2006)

607 (INT 607) 1Ed. 12/11/76 LAST NM 16/07 26/07
Add Depth 937 meters enclosed by dashed-line circle 24°56′S 121°52′W

Danger circle [K1] "Seamount (Rep 1966)" 24°22′S 128°33′W
(NTM0011/2007)

607 (INT 607) 1Ed. 12/11/76 LAST NM 26/07 33/07
Add Depth 1998 meters enclosed by dashed-line circle 22°24.0′S 153°05.5′W
Depth 514 meters enclosed by dashed-line circle 19°20.0′S 150°59.0′W
Depth 930 meters enclosed by dashed-line circle 21°05.0′S 152°20.0′W
Depth 673 meters enclosed by dashed-line circle 18°48.0′S 152°15.0′W
(NTM0011/2007)

607 (INT 607) 1Ed. 12/11/76 LAST NM 33/07 34/07
Add Depth 1694 meters enclosed by depth contour (2000-meter) centered 20°16′S 143°40′W
Depth 1665 meters enclosed by depth contour (2000-meter) centered 20°04′S 143°26′W
(NTM0011/2007)

607 (INT 607) 1Ed. 12/11/76 LAST NM 34/07 35/07
Add Depth 1096 meters enclosed by depth contour (2000-meter) 27°40′S 145°48′W
Depth 1420 meters enclosed by depth contour (2000-meter) 26°33′S 146°22′W
(NTM0011/2007)

607 (INT 607) 1Ed. 12/11/76 LAST NM 35/07 37/07
Delete Depth 51 meters, blue tint and enclosing depth contour (200-meter) centered 14°49′S 148°45′W

Substitute Depth 970 meters for 1780 meters 14°13′S 149°11′W
Depth 895 meters for 1350 meters 15°13′S 147°06′W
Depth 870 meters for 1600 meters 14°59′S 144°04′W

Add Depth 983 meters 13°48′S 149°19′W
Depth 975 meters 13°42′S 148°36′W
Depth 878 meters 15°07′S 145°15′W
Depth 1110 meters 11°26′S 149°00′W
Depth 2550 meters 16°52′S 148°49′W
Depth 2280 meters 16°39′S 149°20′W
Depth 2211 meters 12°28′S 146°26′W
Depth 1102 meters 12°57′S 148°17′W
Depth 1574 meters 11°04′S 149°43′W
Depth 1250 meters 10°35′S 149°28′W
Depth 860 meters 15°34′S 147°22′W
Depth 1191 meters 14°48′S 149°08′W
Depth 1288 meters 10°11′S 149°44′W
Depth 2901 meters 10°29′S 140°58′W
Depth 887 meters 16°56′S 143°59′W
(NTM0011/2007)

★**607** (INT 607) 1Ed. 12/11/76 LAST NM 37/07 28/08
Add Depth 523 meters "Rep (2007)" 24°51′S 124°53′W
Depth 446 meters "Rep (2007)" 24°46′S 121°39′W

"Shoal rep (2007)" area bound by dotted line joining 24°00′S 128°34′W
24°19′S 128°09′W
24°28′S 128°18′W
24°11′S 128°44′W
(NTM0009/2007)

607 (INT 607) 1Ed. 12/11/76 LAST NM 28/08 35/08
Add Depth 595 meters "Rep (2007)" 24°50′S 121°50′W
Depth 587 meters "Rep (2007)" 8°08′S 141°22′W
(NTM0009/2007)

★**607** (INT 607) 1Ed. 12/11/76 LAST NM 35/08 14/09
Delete Depth 710 meters 12°02′S 148°28′W

Add "Depths to 368m rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 11°22′S 149°01′W
"Depths to 623m rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 14°25′S 148°01′W
"Depths to 211m rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 12°02′S 148°28′W
(NTM0009/2009)

★**608** (INT 608) 2Ed. 6/15/96 NEW EDITION 42/96
(NIMA)

608 (INT 608) 2Ed. 6/15/96 LAST NM 42/96 9/00
Delete Depth 148 meters and enclosing depth contour centered 8°41′S 80°05′W
Depth 2797 meters and enclosing depth contour centered 28°02′S 80°04′W

Add Depth 84 meters enclosed by depth contour (100-meter) 8°42′S 79°57′W
Depth 471 meters enclosed by depth contour (1000-meter) 28°05′S 80°01′W
(43(4016, 4017)99 Taunton)

608 (INT 608) 2Ed. 6/15/96 LAST NM 9/00 14/00
Add Light symbol [P1] 4°07′S 81°03′W
(3(20)99 Callao)

608 (INT 608) 2Ed. 6/15/96 LAST NM 14/00 46/00
Add Superbuoy ODAS WBuY, Fl Y [Q58] 20°09′S 85°08′W
Superbuoy ODAS Y [Q58] 8°59′S 80°05′W
Superbuoy ODAS Y [Q58] 5°01′S 85°00′W
(NTM0004/2000)

608 (INT 608) 2Ed. 6/15/96 LAST NM 46/00 14/01
Add Superbuoy ODAS Y with light flare symbol [Q58] 9°00′S 85°01′W

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608 (Continued) 14/01
Superbuoy ODAS Y with light flare symbol [Q58] 5°00′S 81°46′W

Light flare symbol to superbuoy ODAS 8°59′S 80°05′W
Light flare symbol to superbuoy ODAS 5°01′S 85°00′W
(See 46/00-608)
(9(60, 61)00 Callao)

608 (INT 608) 2Ed. 6/15/96 LAST NM 14/01 36/06
Add Superbuoy ODAS 20°00.0′S 84°55.0′W
(NTM0026/2006)

608 (INT 608) 2Ed. 6/15/96 LAST NM 36/06 18/07
Delete R Bn at light 33°01′S 71°39′W

Substitute Racon for R Bn at light 29°56′S 71°22′W
(5(569)03 Taunton; 10(111)05 Valparaiso)

608 (INT 608) 2Ed. 6/15/96 LAST NM 18/07 26/07
Delete Buoy 30°00′S 73°13′W
(NTM0021/2007)

608 (INT 608) 2Ed. 6/15/96 LAST NM 26/07 29/07
Add Wreck [K29] 11°25′S 78°11′W
Wreck [K29] 17°47′S 72°13′W
(11(55, 57)06 Callao)

608 (INT 608) 2Ed. 6/15/96 LAST NM 29/07 34/07
Add Superbuoy ODAS [Q58] Fl 8°00′S 85°00′W
(6(36)07 Callao)

608 (INT 608) 2Ed. 6/15/96 LAST NM 34/07 43/08
Add Depth 611 meters 1°06′S 88°24′W
(NTM0026/2007)

608 (INT 608) 2Ed. 6/15/96 LAST NM 43/08 8/09
Add Wreck [K29] 12°36′S 78°16′W
Wreck [K29] 17°19′S 71°56′W
(2(15, 16)06 Callao)

608 (INT 608) 2Ed. 6/15/96 LAST NM 8/09 10/09
Add Wreck [K29] 14°34′S 77°26′W
(12(101)08 Callao)

608 (INT 608) 2Ed. 6/15/96 LAST NM 10/09 15/09
Add Wreck [K29] 10°35′S 78°28′W
Wreck [K29] 12°31′S 76°55′W
(4(17, 18)05 Callao)

★**609** (INT 609) 2Ed. 4/26/97 NEW EDITION 23/97
Delete Blue tint and enclosing depth contour centered 52°32′S 68°30′W
(NIMA; GIMM001/97)

609 (INT 609) 2Ed. 4/26/97 LAST NM 23/97 45/97
Add R Bn (AERO) at light symbol 47°43′S 74°55′W
(BA RA)

609 (INT 609) 2Ed. 4/26/97 LAST NM 45/97 51/98
Delete R Bn at light 36°36′S 73°03′W
38°26′S 73°55′W
(9(188)98 Valparaiso)

609 (INT 609) 2Ed. 4/26/97 LAST NM 51/98 4/07
Add Wreck [K29] (PA) 47°50′S 65°20′W
(10(107)05 Buenos Aires)

609 (INT 609) 2Ed. 4/26/97 LAST NM 4/07 7/07
Add Wreck [K29] 53°30′S 67°51′W
(7(66)05 Buenos Aires)

609 (INT 609) 2Ed. 4/26/97 LAST NM 7/07 9/07
Add Wreck [K29] (PA) 45°51′S 66°55′W
(18(215)03 Buenos Aires)

609 (INT 609) 2Ed. 4/26/97 LAST NM 9/07 18/07
Delete R Bn at light 33°01′S 71°39′W
(10(111)05 Valparaiso)

609 (INT 609) 2Ed. 4/26/97 LAST NM 18/07 8/08
Delete R Bn at light 52°23′S 68°26′W
(6(57)06 Valparaiso)

609 (INT 609) 2Ed. 4/26/97 LAST NM 8/08 7/09
Change Legend to "Pta Hualpen" 36°45′S 73°30′W
(2(20)05 Valparaiso)

★**621** 5Ed. 6/29/96 NEW EDITION 36/96
Delete Depth 56 meters 14°46′S 147°47′W

R Bn (AERO) 8°48′S 140°13′W
8°56′S 139°33′W
9°46′S 139°01′W
(DMA; 12(50)96 Brest; BA RA)

621 5Ed. 6/29/96 LAST NM 36/96 52/96
Add Depth
490 meters 8°09′S 141°23′W
54 meters 10°13′S 137°55′W
(Fr CH 7371)

621 5Ed. 6/29/96 LAST NM 52/96 7/97
Add Depth
390 meters 23°31′S 136°00′W
675 meters 23°32′S 135°34′W
(33(30)96 Brest)

621 5Ed. 6/29/96 LAST NM 7/97 29/97
Substitute Depth 87 fathoms for 67 fathoms 18°20′S 148°30′W
(GIMM037/97)

621 5Ed. 6/29/96 LAST NM 29/97 5/00
Delete R Bn (AERO) 17°30′S 149°30′W
(BA RA)

621 5Ed. 6/29/96 LAST NM 5/00 32/00
Delete Depth 38 meters 7°57′S 140°58′W
Legend "Depths 20m...(1965)" 8°24′S 141°35′W

Add Depth 27 meters 8°22′S 140°54′W
Depth 49 meters 7°55′S 140°58′W
(4(21)99 Brest)

621 5Ed. 6/29/96 LAST NM 32/00 15/01
Substitute Depth 0.8 meter for islet 7°52′S 140°23′W
(44(52)00 Brest)

621 5Ed. 6/29/96 LAST NM 15/01 28/01
Delete Depth 25.5 meters 27°25′S 143°57′W
Depth 51 meters 27°23′S 143°47′W
Depth 36 meters "Rep (1972)" 27°43′S 143°18′W
Depth 58 meters 27°52′S 143°38′W

Add Depth 30 meters 27°26′S 144°01′W
(14(42)01 Brest)

621 5Ed. 6/29/96 LAST NM 28/01 39/01
Delete Depth 340 meters 14°30′S 152°14′W
(20(169)01 Wellington)

621 5Ed. 6/29/96 LAST NM 39/01 42/01
Delete R Bn (AERO) 21°49′S 138°47′W
(34(36)99 Brest)

621 5Ed. 6/29/96 LAST NM 42/01 7/02
Substitute Depth 9.3 meters for 2.7 meters "Rep 1950" 8°06′S 139°36′W

Depth 14 meters for 7.3 meters "1863" 8°42′S 140°43′W
(13(41)01 Brest)

621 5Ed. 6/29/96 LAST NM 7/02 22/02
Substitute Depth 159 meters for 87 fathoms 18°20′S 148°30′W
(See 29/97-621)
(NTM0020/2002)

621 5Ed. 6/29/96 LAST NM 22/02 8/05
Substitute Depth 19.8 meters for 30 meters 27°26′S 144°01′W
Depth 523 meters for 590 meters 27°30′S 145°02′W
(6(64)04 Wellington)

621 5Ed. 6/29/96 LAST NM 8/05 15/05
Add Depth 887 meters 16°47′S 155°12′W
Depth 550 meters 17°29′S 150°10′W
Depth 725 meters 18°13′S 152°46′W
Depth 456 meters 18°26′S 154°04′W
Depth 529 meters 19°28′S 148°34′W
(13(127)04 Wellington)

621 5Ed. 6/29/96 LAST NM 15/05 16/05
Substitute Depth 210 meters for 398 meters 22°35′S 150°59′W
(15(142)04 Wellington)

621 5Ed. 6/29/96 LAST NM 16/05 20/05
Substitute Depth 598 meters for 695 meters 18°48′S 152°15′W

Add Depth 776 meters 18°59′S 154°06′W
(17(167)04 Wellington)

621 5Ed. 6/29/96 LAST NM 20/05 21/05
Substitute Depth 547 meters for 675 meters 23°32.0′S 135°34.0′W

Add Depth 396 meters 15°17.0′S 135°07.5′W
(19(179)04 Wellington)

621 5Ed. 6/29/96 LAST NM 21/05 37/05
Delete Depth 525 meters and legend "Rep (1978)"
18°14′S 154°00′W

Substitute Depth 875 meters for 1038 meters 23°17′S 149°54′W
Depth 360 meters for 418 meters 21°33′S 155°27′W
Depth 839 meters for 1188 meters 21°48′S 151°30′W
Depth 944 meters for 1029 meters 21°15′S 150°44′W
Depth 462 meters for 300 meters 19°13′S 151°31′W

Add Depth 990 meters 20°47′S 150°48′W
(16(147, 148)05 Wellington)

621 5Ed. 6/29/96 LAST NM 37/05 43/05
Add Depth 197 meters 25°31′S 150°30′W
(19(181)05 Wellington)

621 5Ed. 6/29/96 LAST NM 43/05 6/06
Delete Depth 525 meters "Rep (1978)" 18°15′S 153°58′W
(47(5514)05 Taunton)

621 5Ed. 6/29/96 LAST NM 6/06 18/06
Add Depth 903 meters 10°26′S 139°01′W
(NTM0022/2006)

621 5Ed. 6/29/96 LAST NM 18/06 26/07
Add Depth 937 meters enclosed by dashed-line circle 24°56′S 121°52′W

Danger circle [K1] "Seamount reported 1966"
24°22′S 128°33′W
(NTM0011/2007)

621 5Ed. 6/29/96 LAST NM 26/07 34/07
Delete Depth 4261 meters 29°04′S 144°42′W

Add Depth 3752 meters 29°06′S 144°53′W
Depth 3177 meters 29°38′S 148°56′W
Depth 3290 meters 29°11′S 147°35′W
Depth 3533 meters 29°31′S 149°59′W
Depth 2451 meters 31°59′S 148°14′W
Depth 3913 meters 31°31′S 149°53′W
Depth 3377 meters 33°38′S 141°15′W
Depth 3413 meters 34°07′S 142°19′W
Depth 3574 meters 32°18′S 140°21′W
Depth 3137 meters 29°57′S 140°42′W
Depth 3199 meters 30°16′S 141°56′W
Depth 3668 meters 29°20′S 143°08′W
Depth 4189 meters 33°02′S 142°19′W
Depth 1665 meters 20°04′S 143°26′W
(NTM0011/2007)

621 5Ed. 6/29/96 LAST NM 34/07 36/07
Add Depth 1902 meters 24°39′S 149°50′W
Depth 1096 meters 27°40′S 145°48′W
Depth 1420 meters 26°33′S 146°23′W
(NTM0011/2007)

621 5Ed. 6/29/96 LAST NM 36/07 38/07
Add Depth 2416 meters 48°29′S 146°11′W
Depth 1199 meters 47°55′S 149°45′W
(NTM0011/2007)

621 5Ed. 6/29/96 LAST NM 36/07 39/07
Add Depth 2171 meters 25°12′S 153°09′W
Depth 2460 meters 25°50′S 152°57′W
Depth 2725 meters 28°15′S 151°26′W
Depth 2267 meters 23°44′S 154°20′W
Depth 1435 meters 24°06′S 156°27′W
(NTM0011/2007)

621 5Ed. 6/29/96 LAST NM 39/07 41/07
Delete Danger circle (PA) and legend "Discol water Rep (1990)" 25°54′S 134°14′W

Add Depth 2100 meters 25°00′S 138°20′W
(NTM0011/2007)

621 5Ed. 6/29/96 LAST NM 41/07 43/07
Add Depth 2347 meters 44°52′S 155°26′W
Depth 1814 meters 44°31′S 159°26′W
Depth 3176 meters 42°06′S 150°30′W
Depth 2835 meters 40°34′S 158°56′W
Depth 2875 meters 40°04′S 158°30′W
(NTM0011/2007)

621 5Ed. 6/29/96 LAST NM 43/07 3/08
Add Depth 445 meters "Rep (2007)" 24°46′S 119°14′W
Depth 357 meters "Rep (2007)" 25°22′S 119°07′W
Depth 170 meters "Rep (2007)" 26°56′S 110°14′W
Depth 178 meters "Rep (2007)" 34°55′S 119°09′W
Depth 446 meters "Rep (2007)" 24°46′S 121°39′W
Depth 262 meters "Rep (2007)" 24°39′S 125°07′W
Depth 280 meters "Rep (2007)" 8°02′S 139°37′W
Depth 357 meters "Rep (2007)" 15°17′S 135°06′W
Danger circle [K1] "Shoal (Rep 2007)" 24°40′S 124°48′W

Danger circle [K1] "Shoal (Rep 2007)" (PA)
24°14′S 128°22′W
Danger circle [K1] "Shoal (Rep 2007)" (PA)
8°50′S 139°35′W
Danger circle [K1] "Shoal (Rep 2007)" (PA)
7°51′S 140°10′W
(NTM0009/2007)

621 5Ed. 6/29/96 LAST NM 3/08 7/08
Add Depth 359 fathoms "Rep (2007)" 1°17′N 159°57′W
(NTM0003/2008)

621 5Ed. 6/29/96 LAST NM 7/08 13/08
Add Depth 2321 meters 12°49′S 162°12′W
(25(233)07 Wellington)

621 5Ed. 6/29/96 LAST NM 13/08 28/08
Add Depth 523 meters "Rep (2007)" 24°51′S 124°53′W
(NTM0009/2007)

621 5Ed. 6/29/96 LAST NM 28/08 35/08
Add Depth 595 meters "Rep (2007)" 24°50′S 121°50′W
(NTM0009/2007)

★622 9Ed. 2/10/96 NEW EDITION 19/96
Delete R Bn (AERO) 5°26′S 154°40′E
(Previously published 8/96)

Add Legend "(ED)" to depth 84 fathoms 36°10′S 173°27′E
(Previously published 13/96)

(continued on next page)

622 (Continued) 19/96
Delete R Bn (AERO) 41°47′S 171°35′E

Substitute Danger circle "Submarine Volcano Rep (1996)" for depth 53 fathoms "Rep (1981)" 20°59′S 170°17′E
(DMA; 11(940)96 Taunton; BA RA)

622 9Ed. 2/10/96 LAST NM 19/96 30/96
Add Danger circle "Shoal Rep" 20°20′S 177°32′W
19°56′S 177°12′W
17°27′S 176°35′W
(23(207)96 Auckland)

622 9Ed. 2/10/96 LAST NM 30/96 44/96
Relocate Superbuoy ODAS close N to 42°42′S 170°08′E
(38(318)96 Auckland)

622 9Ed. 2/10/96 LAST NM 44/96 50/96
Substitute Depth 164 fathoms for 1039 fathoms 24°04′S 168°34′E

Add Depth
166 fathoms 17°32′S 169°23′E
289 fathoms 19°13′S 164°54′E
16 fathoms 20°56′S 161°40′E

Danger circle (ED) 22°06′S 159°45′E
(34(38)96 Brest)

622 9Ed. 2/10/96 LAST NM 50/96 51/96
Delete R Bn 35°55′S 175°07′E
(44(366)96 Auckland)

622 9Ed. 2/10/96 LAST NM 51/96 17/97
Delete Danger circle (ED) 22°06′S 159°45′E
(See 50/96-622)
(4(98)97 Wollongong)

622 9Ed. 2/10/96 LAST NM 17/97 24/97
Delete Depth
630 fathoms 9°17′S 160°41′E
27 fathoms "Rep (1967)" 23°23′S 167°06′E

Add Depth
321 fathoms 9°18′S 160°37′E
199 fathoms "Rep (1981)" 8°34′S 160°08′E
(13(1186)97 Taunton; 8(36)97 Brest)

622 9Ed. 2/10/96 LAST NM 24/97 26/97
Delete Depth 1170 fathoms 27°20′S 177°10′W

Substitute Depth 284 fathoms for 372 fathoms 20°35′S 177°10′W

Add Depth 289 fathoms 27°13′S 177°18′W
(16(138)97 Auckland)

622 9Ed. 2/10/96 LAST NM 26/97 29/97
Add Depth 10 fathoms "Rep (1997)" 27°24′S 179°14′W
(23(196)97 Auckland)

622 9Ed. 2/10/96 LAST NM 29/97 40/97
Add Depth 180 fathoms 27°56′S 171°07′W
(34(291)97 Auckland)

622 9Ed. 2/10/96 LAST NM 40/97 17/98
Delete Depth 10 fathoms "Rep (1942)" 22°59′S 168°20′E
(30(34)97 Brest)

622 9Ed. 2/10/96 LAST NM 17/98 26/98
Delete Depth 38 fathoms and legend "Volcanic...1990)" 25°53′S 177°09′W

Add Depth 3 fathoms with legend "Volcanic activity Rep (1998)" 25°53′S 177°11′W
(GIMM016/98)

622 9Ed. 2/10/96 LAST NM 26/98 47/99
Add Danger circle "Shoal Rep (1999)" 22°11′S 171°10′E
(27(2499)99 Taunton; NTM0034/1999)

622 9Ed. 2/10/96 LAST NM 47/99 52/99
Add Depth 69 meters [I10] 22°32′S 161°19′E
Danger circle "Shoal Rep (1999)" [I4] 19°50′S 176°05′W
(43(411), 44(418)99 Auckland)

622 9Ed. 2/10/96 LAST NM 52/99 4/01
Delete Depth 61 fathoms 29°40′S 167°52′E
(10(291)99 Wollongong)

622 9Ed. 2/10/96 LAST NM 4/01 15/01
Add Depth 323 fathoms "Sub vol" enclosed by danger circle 14°13′S 169°04′W
(NTM0013/2001)

622 9Ed. 2/10/96 LAST NM 15/01 16/01
Add Depth 237 fathoms 38°30′S 169°08′E
Depth 260 fathoms 38°45′S 168°46′E
(50(468)99 Wellington)

622 9Ed. 2/10/96 LAST NM 16/01 29/01
Add Depth 105 fathoms 51°10′S 165°32′E
(1(21)00 Wellington)

622 9Ed. 2/10/96 LAST NM 29/01 39/01
Add Depth 5½ fathoms "Rep (2001)" [I3.2] 15°57′S 175°39′E
(20(168)01 Wellington)

622 9Ed. 2/10/96 LAST NM 39/01 9/02
Add Legend "Volcanic Activity (2001)" 18°19′S 174°25′W
(2(27)02 Wellington)

622 9Ed. 2/10/96 LAST NM 9/02 12/02
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 18°47′S 179°11′E
(3(34)02 Wellington)

622 9Ed. 2/10/96 LAST NM 12/02 14/02
Delete Depth 16 fathoms "Rep (1981)" 38°56′S 147°59′E
(1(59)02 Wollongong)

622 9Ed. 2/10/96 LAST NM 14/02 20/02
Substitute Depth 37 fathoms for 69 meters 22°32′S 161°19′E
(See 52/99-622)
(NTM0020/2002)

622 9Ed. 2/10/96 LAST NM 20/02 47/02
Delete R Bn (AERO) 30°19′S 153°07′E
R Bn (AERO) 40°05′S 148°01′E
R Bn (AERO) 28°09′S 153°30′E
R Bn (AERO) 21°10′S 149°11′E
(BA RA)

622 9Ed. 2/10/96 LAST NM 47/02 6/03
Delete Depth 10 fathoms 12°53′S 175°39′W

Add Depth 8 fathoms 12°57′S 175°40′W
(47(4391)99 Taunton)

622 9Ed. 2/10/96 LAST NM 6/03 11/05
Add "Restricted Area - Coastal shipping and dredging prohibited" bound by purple composite line [N2.1] joining 23°15.0′S 167°00.0′E
23°15.0′S 169°00.0′E
25°30.0′S 169°00.0′E
25°30.0′S 167°00.0′E
(23(33)04 Brest)

622 9Ed. 2/10/96 LAST NM 11/05 12/05
Add Wreck [K29] 40°32′S 173°10′E
(9(89)04 Wellington)

622 9Ed. 2/10/96 LAST NM 11/05 13/05
Add Buoy Y, spherical, "X" topmark, Fl(3) Y 15s 56°39′S 174°40′E
(10(103)04 Wellington)

622 9Ed. 2/10/96 LAST NM 13/05 17/05
Change Legend to "Restricted Area - Coastal shipping, trawling and dredging prohibited" 24°30′S 168°00′E
(See 11/05-622)
(16(159)04 Wellington)

622 9Ed. 2/10/96 LAST NM 17/05 26/05
Delete Depth 15 fathoms, danger circle and legend "Rep (1945)" 23°34′S 154°15′E

Legend "Breakers Rep (1950)" 23°45′S 155°24′E

Danger circle "Discol'd water Rep (1945)" 23°58′S 154°24′E

Substitute Depth 231 fathoms for danger circle "Obstr Rep (1956)" 22°48′S 154°05′E

Add Depth 911 fathoms 24°00′S 153°55′E
(Aus CH 426)

622 9Ed. 2/10/96 LAST NM 26/05 29/05
Add Depth 339 fathoms 25°16′S 168°55′E
Depth 260 fathoms 23°33′S 167°19′E
(2(26)05 Wellington)

622 9Ed. 2/10/96 LAST NM 29/05 30/05
Delete Depth 293 fathoms 30°10′S 171°14′E
Legend "Rep (1967)" 30°25′S 167°22′E
Legend "Rep (1973)" 21°25′S 157°04′E

Substitute Depth 124 fathoms for 191 fathoms 30°23′S 167°54′E
Depth 8 fathoms for 9 fathoms 21°43′S 156°44′E

Add Depth 205 fathoms 30°06′S 171°16′E
(3(35)05 Wellington)

622 9Ed. 2/10/96 LAST NM 30/05 46/05
Substitute Depth 12 fathoms for 18 fathoms "Rep (1964)" 16°40′S 178°35′W
(NTM0031/2005)

622 9Ed. 2/10/96 LAST NM 46/05 1/06
Add Danger circle "Obstn" [K40] 46°39′S 178°32′E
Danger circle "Obstn" [K40] 49°35′S 179°57′E
Danger circle "Obstn" [K40] 50°16′S 180°00′
Depth 109 fathoms 50°40′S 167°42′E
Depth 91 fathoms 50°44′S 167°21′E
Depth 252 fathoms 52°41′S 173°36′E
Depth 305 fathoms 30°27′S 174°17′E
Depth 347 fathoms 29°53′S 174°06′E
Depth 14 fathoms 47°23′S 167°51′E
(34(4043)05 Taunton)

622 9Ed. 2/10/96 LAST NM 1/06 5/06
Add Danger circle "Obstn" [K40] 9°10′S 153°17′E
(NTM0009/2006)

622 9Ed. 2/10/96 LAST NM 5/06 13/06
Delete Depth 19 fathoms "Rep (1986) PD" and enclosing depth contour centered 32°00′S 166°55′E
(33(3601)03 Taunton)

622 9Ed. 2/10/96 LAST NM 13/06 16/06
Delete Depth 13 fathoms "Rep (1993)" and enclosing depth contour (20-fathom) 32°25′S 167°35′E
Depth 25 fathoms "Rep (1956)" and enclosing depth contour (100-fathom) 32°15′S 166°56′E
Depth 8¾ fathoms "Rep (1982)" and enclosing depth contour (20-fathom) 32°08′S 167°20′E

Substitute Depth 52 fathoms for 77 fathoms "Rep (1957)" 31°42′S 167°50′E

Add Depth 260 fathoms 32°12′S 168°05′E
(26(248)05 Wellington)

622 9Ed. 2/10/96 LAST NM 16/06 19/06
Add Depth 191 fathoms 36°19′S 178°02′E
(34(4042)05 Taunton)

622 9Ed. 2/10/96 LAST NM 16/06 20/06
Substitute Depth 4 fathoms for 7¼ fathoms 16°05′S 173°50′W
(42(51)04 Brest)

622 9Ed. 2/10/96 LAST NM 20/06 25/06
Add Depth 20 fathoms enclosed by depth contour (100-fathom) centered 23°12′S 159°27′E
(11(115)06 Wellington)

622 9Ed. 2/10/96 LAST NM 25/06 35/07
Add Depth 355 fathoms 38°15′S 164°55′E
Depth 1000 fathoms 39°18′S 161°00′E
(NTM0011/2007)

622 9Ed. 2/10/96 LAST NM 35/07 36/07
Add Depth 706 fathoms 39°59′S 165°51′W
Depth 758 fathoms 39°37′S 166°40′W
Depth 1206 fathoms 38°58′S 166°30′W
Depth 450 fathoms 39°06′S 167°22′W
Depth 695 fathoms 39°22′S 167°49′W
Depth 565 fathoms 37°28′S 169°21′W
Depth 581 fathoms 38°00′S 168°15′W
Depth 522 fathoms 36°54′S 169°43′W
Depth 1090 fathoms 36°17′S 169°39′W
Depth 828 fathoms 32°33′S 171°48′W
Depth 931 fathoms 32°12′S 171°52′W
Depth 892 fathoms 30°10′S 173°19′W
Depth 892 fathoms 30°38′S 172°53′W
Depth 916 fathoms 29°37′S 173°25′W
Depth 978 fathoms 29°19′S 173°12′W
Depth 627 fathoms 34°43′S 170°40′W
Depth 688 fathoms 33°49′S 171°24′W
Depth 309 fathoms 29°33′S 179°47′W
Depth 562 fathoms 33°09′S 179°56′W
Depth 369 fathoms 33°37′S 179°50′W
Depth 373 fathoms 33°28′S 179°37′W
(NTM0011/2007)

622 9Ed. 2/10/96 LAST NM 36/07 37/07
Add Depth 61 fathoms 29°40′S 167°52′E
Depth 405 fathoms 44°00′S 160°40′W
Depth 376 fathoms 43°37′S 161°27′W
Depth 450 fathoms 42°48′S 161°57′W
Depth 358 fathoms 42°14′S 162°48′W
Depth 425 fathoms 41°23′S 164°15′W
Depth 418 fathoms 40°53′S 165°04′W
Depth 584 fathoms 40°26′S 165°40′W
Depth 1046 fathoms 40°28′S 169°00′W
(NTM0011/2007)

622 9Ed. 2/10/96 LAST NM 37/07 3/08
Add Depth 192 fathoms 43°28′S 175°25′W
Depth 104 fathoms 43°35′S 175°37′W
Depth 538 fathoms 44°41′S 175°28′W
Depth 733 fathoms 44°43′S 172°18′W
Depth 892 fathoms 41°27′S 174°07′W
Depth 197 fathoms 48°10′S 179°37′W
Depth 364 fathoms 47°47′S 178°55′W
Depth 322 fathoms 47°38′S 179°27′W
Depth 1372 fathoms 45°50′S 175°32′W
Depth 1904 fathoms 46°07′S 170°28′W
(NTM0011/2007)

622 9Ed. 2/10/96 LAST NM 3/08 10/08
Add Buoy RW, can, Fl Y 3s 46°56′S 160°28′E
(23(209)07 Wellington)

622 9Ed. 2/10/96 LAST NM 10/08 13/08
Add Depth 1269 fathoms 12°49′S 162°12′W
Depth 2795 fathoms 21°41′S 163°46′W
(25(233)07 Wellington)

622 9Ed. 2/10/96 LAST NM 13/08 14/08
Substitute Depth 11¾ fathoms for 182 fathoms and delete legend "Rep (1981)" close E 18°24′S 155°19′E
(NTM0008/2008)

622 9Ed. 2/10/96 LAST NM 14/08 21/08
Add "Depths to 181fms rep (2007)" area bound by dashed line joining 30°31′S 156°12′E
30°54′S 156°34′E
30°54′S 156°11′E
30°39′S 156°03′E

Danger circle [K1] "Shoal rep (2007)" (PA) 32°39′S 156°18′E

"Shoal rep (2007)" area bound by dotted line joining 33°00′S 156°00′E
33°00′S 156°20′E
33°23′S 156°20′E
33°23′S 156°00′E
(NTM0009/2007)

622 9Ed. 2/10/96 LAST NM 21/08 24/08
Substitute Depth 198 fathoms for 225 fathoms 8°41′S 154°37′E
Depth 222 fathoms for 495 fathoms 27°41′S 155°16′E
Depth 177 fathoms for 180 fathoms 27°00′S 159°22′E

Add Depth 272 fathoms 1°05′S 148°02′E
Depth 199 fathoms 30°34′S 156°11′E
Depth 223 fathoms 1°06′S 148°50′E
Depth 151 fathoms 22°11′S 159°04′E
Depth 157 fathoms 22°52′S 159°18′E
(NTM0026/2007)

622 9Ed. 2/10/96 LAST NM 24/08 27/08
Delete Depth 20 fathoms and enclosing depth contour (100-fathom) centered 23°12′S 159°27′E

Add Depth 144 fathoms 23°24′S 159°50′E

"Depths to 174fms rep (2007)" area bound by dashed line joining 23°00′S 159°47′E
23°30′S 159°47′E
23°30′S 159°20′E
23°00′S 159°20′E

"Shoal rep (2007)" area bound by dotted line joining 23°52′S 159°42′E
24°15′S 159°42′E
24°15′S 159°15′E
23°52′S 159°15′E

"Shoal rep (2007)" area bound by dotted line joining 24°40′S 160°00′E
25°40′S 160°00′E
25°40′S 159°25′E
24°40′S 159°25′E
(NTM0009/2007, NTM0026/2007)

622 9Ed. 2/10/96 LAST NM 27/08 40/08
Add Depth 519 fathoms 16°05′S 151°31′E
Depth 432 fathoms 16°52′S 151°53′E
(NTM0026/2007)

622 9Ed. 2/10/96 LAST NM 40/08 41/08
Substitute Depth 140 fathoms for 143 fathoms 26°41′S 159°22′E
(NTM0026/2007)

★**622** 9Ed. 2/10/96 LAST NM 41/08 48/08
Delete Depth 39 fathoms "Rep (1946)" 11°35′S 154°50′E

Substitute Depth 168 fathoms for 185 fathoms 9°12′S 153°53′E

Add Depth 527 fathoms 5°00′S 157°07′E
Depth 899 fathoms 11°27′S 154°59′E
Depth 1071 fathoms 11°37′S 154°55′E
Depth 677 fathoms 8°59′S 153°59′E
(NTM0026/2007)

622 9Ed. 2/10/96 LAST NM 48/08 52/08
Add Depth 547 fathoms 0°53′S 147°45′E
(NTM0026/2007)

622 9Ed. 2/10/96 LAST NM 52/08 8/09
Add Dashed-line circle, blue tint with legend "Discol water Rep (2000)" 20°14′S 176°41′E

Depth 16 fathoms "Rep (1994)" 20°22′S 176°54′E
(NTM0038/2008)

622 9Ed. 2/10/96 LAST NM 8/09 13/09
Add Depth 19 fathoms Obstn [K41] 39°39′S 173°18′E
(16(160)06 Wellington)

★**622** 9Ed. 2/10/96 LAST NM 13/09 17/09
Delete Depth 1090 fathoms 36°17′S 169°39′W

Add "Depths to 9 fms rep (2008)" area bound by dotted-line circle with blue tint, radius 8 miles, centered 43°30′S 161°23′W

"Depths to 217 fms rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 37°58′S 168°15′W
"Depths to 337 fms rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 39°06′S 167°22′W
"Depths to 338 fms rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 40°41′S 165°19′W
"Depths to 313 fms rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 40°52′S 165°02′W
"Depths to 254 fms rep (2008)" area bound by dashed-line circle, radius 8 miles, centered 41°22′S 164°16′W
"Depths to 334 fms rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 42°15′S 162°50′W
"Depths to 168 fms rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 42°47′S 161°55′W
"Depths to 257 fms rep (2008)" area bound by dashed-line circle, radius 5 miles, centered 43°58′S 160°40′W

Depth 499 fathoms 36°04′S 169°31′W
(NTM0009/2009)

622 9Ed. 2/10/96 LAST NM 17/09 20/09
Add Danger circle [K1] "Volcanic Activity Rep (2001)" 14°36′S 168°58′W
(NZ CH 14605)

★**622** 9Ed. 2/10/96 LAST NM 20/09 28/09
Delete Depth 12 fathoms 22°31′S 159°09′E

Add Depth 145 fathoms 22°34′S 159°07′E
Depth 146 fathoms 22°11′S 159°04′E
(NTM0011/2009)

★**622** 9Ed. 2/10/96 LAST NM 28/09 29/09
Delete "Depths to 174fms rep (2007)" area bound by dashed line joining 23°00′S 159°47′E
23°30′S 159°47′E
23°30′S 159°20′E
23°00′S 159°20′E

Substitute Depth 215 fathoms for 222 fathoms 27°41′S 155°16′E
Depth 138 fathoms for 144 fathoms 23°24′S 159°50′E
Depth 247 fathoms for 824 fathoms 28°09′S 155°40′E
Depth 216 fathoms for 228 fathoms 28°20′S 155°38′E
Depth 204 fathoms for 217 fathoms 28°39′S 155°32′E
Depth 136 fathoms for 140 fathoms 26°41′S 159°22′E
Depth 169 fathoms for 177 fathoms 27°00′S 159°22′E

Add Depth 210 fathoms 27°58′S 155°37′E
Depth 146 fathoms 23°10′S 159°27′E
Depth 635 fathoms 23°35′S 154°25′E
(NTM0011/2009)

622 9Ed. 2/10/96 LAST NM 29/09 33/09
Delete "Depths to 181fms rep (2007)" area in vicinity 30°45′S 156°10′E
"Shoal rep (2007)" area in vicinity 33°20′S 156°10′E
Danger circle "Shoal rep (2007)" (PA) 32°39′S 156°18′E
Depth 153 fathoms 30°55′S 156°15′E

Substitute Depth 190 fathoms for 199 fathoms 30°34′S 156°11′E

Add Depth 151 fathoms 30°48′S 156°14′E
Depth 809 fathoms 22°37′S 154°34′E
Depth 796 fathoms 23°00′S 154°42′E
Depth 132 fathoms 32°36′S 156°15′E
(NTM0011/2009)

★**623** 9Ed. 8/31/96 NEW EDITION 47/96
Delete Depth 7.7 meters 1°42′N 107°26′E
(NIMA; MCC1306/94)

623 9Ed. 8/31/96 LAST NM 47/96 52/96
Delete Depth 10 meters 10°20′S 141°00′E
(34(567)96 Wollongong)

623 9Ed. 8/31/96 LAST NM 52/96 7/97
Substitute Depth 7.8 meters for 6.4 meters 14°07′S 146°48′E
(37(634)96 Wollongong)

623 9Ed. 8/31/96 LAST NM 7/97 15/97
Substitute Depth 14 meters for
dangerous submerged rock 40°24′S 144°05′E
(3(81)97 Wollongong)

623 9Ed. 8/31/96 LAST NM 15/97 38/97
Add Depth 14.3 meters "Rep (1997)" 8°21′S 127°29′E
(GIMM043/96)

623 9Ed. 8/31/96 LAST NM 38/97 44/97
Delete Depth
8.7 meters 9°44′S 129°06′E
7.3 meters 10°44′S 125°40′E

Add Depth
7 meters 9°53′S 129°17′E
7 meters 9°43′S 129°02′E
(16(450, 451)97 Wollongong)

623 9Ed. 8/31/96 LAST NM 44/97 50/97
Add Depth 106 meters "Rep (1977)" 3°29′S 143°58′E
(20(549)97 Wollongong)

623 9Ed. 8/31/96 LAST NM 50/97 9/98
Delete Dotted-line circle (PA) 12°35′S 130°02′E
(1(41)98 Wollongong)

623 9Ed. 8/31/96 LAST NM 9/98 33/98
Substitute Depth 12.2 meters for 12.8 meters 10°08′S 129°31′E
(10(259)98 Wollongong)

623 9Ed. 8/31/96 LAST NM 33/98 9/99
Add Depth 15.1 meters 10°42′S 126°14′E
(24(695)98 Wollongong)

623 9Ed. 8/31/96 LAST NM 9/99 16/99
Substitute Depth 13.8 meters for 15.1 meters 10°42′S 126°14′E
(See 9/99-623)
(1(44)99 Wollongong)

623 9Ed. 8/31/96 LAST NM 16/99 20/99
Add Danger circle "Obstn" 7°20′S 116°15′E
(26(2286)98 Taunton)

623 9Ed. 8/31/96 LAST NM 20/99 39/99
Delete Lightship 10°44′S 141°03′E
(12(344)99 Wollongong)

623 9Ed. 8/31/96 LAST NM 39/99 48/99
Add Depth 631 meters [I10] 43°55′S 150°28′E
(21(591)99 Wollongong)

623 9Ed. 8/31/96 LAST NM 48/99 14/02
Delete Depth 29 meters and enclosing danger circle
38°56′S 147°59′E
(1(59)02 Wollongong)

623 9Ed. 8/31/96 LAST NM 14/02 47/02
Delete R Bn (AERO) 30°19′S 153°07′E
R Bn (AERO) 41°00′S 145°42′E
R Bn (AERO) 40°06′S 148°01′E
R Bn (AERO) 39°53′S 143°52′E
R Bn (AERO) 38°36′S 145°36′E
R Bn (AERO) 12°24′S 130°54′E
R Bn (AERO) 28°10′S 153°30′E
R Bn (AERO) 21°10′S 149°11′E
R Bn (AERO) 16°55′S 145°48′E
(BA RA)

623 9Ed. 8/31/96 LAST NM 47/02 19/03
Delete R Bn (AERO) 34°57′S 138°33′E
(BA RA)

623 9Ed. 8/31/96 LAST NM 19/03 36/03
Delete R Bn (AERO) 24°53′S 113°42′E
(BA RA)

623 9Ed. 8/31/96 LAST NM 36/03 26/05
Delete Depth 27.5 meters and danger circle 23°34′S 154°15′E
Danger circle "Breakers" 23°58′S 154°24′E
(Aus CH 426)

623 9Ed. 8/31/96 LAST NM 26/05 18/06
Add Wreck [K29] 4°44′S 109°18′E
(2(7)06 Jakarta)

623 9Ed. 8/31/96 LAST NM 18/06 14/08
Substitute Depth 42 meters for 44 meters 20°41′S 154°12′E
Depth 21 meters for 333 meters 18°24′S 155°19′E
(NTM0008/2008)

623 9Ed. 8/31/96 LAST NM 14/08 19/08
Substitute Depth 69 meters "Rep (2001)" [I3.2] for
731 meters 6°31′S 104°46′E
(5(523)08 Taunton)

623 9Ed. 8/31/96 LAST NM 19/08 21/08
Add "Depths to 331m rep (2007)" area bound by
dashed line joining 30°31′S 156°12′E
30°54′S 156°34′E
30°54′S 156°11′E
30°39′S 156°03′E

Danger circle [K1] "Shoal rep (2007)" (PA)
32°39′S 156°18′E

"Shoal rep (2007)" area bound by dotted line
joining 33°00′S 156°00′E
33°00′S 156°20′E
33°23′S 156°20′E
33°23′S 156°00′E
(NTM0009/2007)

623 9Ed. 8/31/96 LAST NM 21/08 24/08
Delete R Bn 1°50′N 125°05′E

Substitute Depth 362 meters for 411 meters 8°41′S 154°37′E

Add Depth 498 meters 1°05′S 148°02′E
Depth 365 meters 30°34′S 156°11′E
Depth 409 meters 1°06′S 148°50′E
(BA LL; NTM0026/2007)

623 9Ed. 8/31/96 LAST NM 24/08 27/08
Add Depth 411 meters 28°20′S 155°37′E
(NTM0026/2007)

623 9Ed. 8/31/96 LAST NM 27/08 37/08
Substitute Depth 306 meters for 338 meters 9°12′S 153°53′E
(NTM0026/2007)

★**623** 9Ed. 8/31/96 LAST NM 37/08 39/08
Add Depth 362 meters 5°43′S 154°05′E
(NTM0026/2007)

623 9Ed. 8/31/96 LAST NM 39/08 40/08
Add Depth 950 meters 16°05′S 151°31′E
Depth 790 meters 16°52′S 151°53′E
(NTM0026/2007)

★**623** 9Ed. 8/31/96 LAST NM 40/08 48/08
Delete Depth 71 meters and enclosing
dotted-line circle 11°35′S 154°54′E

(continued on next page)

623 (Continued) 48/08
Add Depth 1644 meters 11°27′S 154°59′E
Depth 1958 meters 11°37′S 154°55′E
(NTM0026/2007)

623 9Ed. 8/31/96 LAST NM 48/08 52/08
Add Depth 1000 meters 0°53′S 147°45′E
(NTM0026/2007)

★**623** 9Ed. 8/31/96 LAST NM 52/08 29/09
Substitute Depth 395 meters for 411 meters 28°20′S 155°38′E
Depth 373 meters for 397 meters 28°39′S 155°32′E

Add Depth 384 meters 27°58′S 155°37′E
Depth 1161 meters 23°35′S 154°25′E
(NTM0011/2009)

623 9Ed. 8/31/96 LAST NM 29/09 33/09
Delete "Depths to 331m rep (2007)" area in vicinity
30°45′S 156°15′E
Danger circle "Shoal rep (2007)" 32°39′S 156°18′E
"Shoal rep (2007)" area in vicinity 33°10′S 156°15′E

Substitute Depth 276 meters for 280 meters 30°48′S 156°14′E
Depth 347 meters for 365 meters 30°34′S 156°11′E
Depth 241 meters for 250 meters 32°36′S 156°20′E
(NTM0011/2009)

★**624** 3Ed. 3/21/81 NEW EDITION 20/81
(DMAHTC)

624 3Ed. 3/21/81 LAST NM 20/81 32/81
Add Depth 128 fathoms 51°01′S 167°23′E
(25(145)81 Auckland)

624 3Ed. 3/21/81 LAST NM 32/81 39/83
Delete Depths
52 fathoms "Rep (1963)" 44°15′S 175°56′E
80 fathoms 44°32′S 176°12′E

Add Depth 54 fathoms 44°25′S 176°02′E
(30(192)83 Auckland)

624 3Ed. 3/21/81 LAST NM 39/83 3/84
Add R Bns (AERO) 41°46.0′S 171°35.0′E
42°44.0′S 170°56.0′E

Depth 14 fathoms 50°31.0′S 166°36.0′E
(NZ CH 4600)

624 3Ed. 3/21/81 LAST NM 3/84 33/85
Delete Depth 5 fathoms "Rep (1963)" 45°21′S 171°25′E
(28(157)85 Auckland)

624 3Ed. 3/21/81 LAST NM 33/85 44/85
Add Depth 10 fathoms 46°43.5′S 168°47.0′E
(HNNM7595/85)

624 3Ed. 3/21/81 LAST NM 44/85 15/86
Add Depth 10 fathoms 71°12′S 170°03′E
(BA CH 3173)

624 3Ed. 3/21/81 LAST NM 15/86 47/86
Add Depths
83 fathoms 43°35′S 176°11′W
16 fathoms 44°07′S 176°02′W
(39(276)86 Auckland)

624 3Ed. 3/21/81 LAST NM 47/86 22/87
Add Light symbols 43°50′S 176°53′W
43°43′S 176°14′W
43°36′S 169°34′E
44°13′S 176°13′W

R Bn (AERO) 41°20′S 174°49′E
(BA CH 4600)

624 3Ed. 3/21/81 LAST NM 22/87 15/88
Add Depths
84 fathoms 56°09′S 158°31′E
53 fathoms "Rep (1988)" 50°27′S 165°33′E
(BA CH 788; 4(50)88 Auckland)

624 3Ed. 3/21/81 LAST NM 15/88 50/88
Add Depths
164 fathoms 43°33′S 177°33′W
148 fathoms 43°40′S 175°50′W
(33(207)88 Auckland)

624 3Ed. 3/21/81 LAST NM 50/88 10/89
Delete R Bn 46°10′S 166°40′E
R Bn (AERO) 43°28′S 172°34′E
(48(293), 49(299)88 Auckland)

624 3Ed. 3/21/81 LAST NM 10/89 47/89
Add Depth 210 fathoms 48°49′S 164°45′E
(35(207)89 Auckland)

624 3Ed. 3/21/81 LAST NM 47/89 14/91
Add Depths
385 fathoms (PA) 67°45.2′S 167°04.6′E
290 fathoms (PA) 67°43.6′S 166°56.3′E
280 fathoms (PA) 67°36.4′S 166°47.1′E
390 fathoms (PA) 67°30.8′S 166°41.5′E
(MCNM1082/91)

624 3Ed. 3/21/81 LAST NM 14/91 14/92
Add Depth 23 fathoms 52°20′S 169°37′E
(1(23)92 Auckland)

624 3Ed. 3/21/81 LAST NM 14/92 31/92
Add Depth 32 fathoms 43°21′S 174°57′E
(12(100)92 Auckland)

624 3Ed. 3/21/81 LAST NM 31/92 11/93
Add Depth 275 fathoms 47°31′S 177°03′E
(49(344)92 Auckland)

624 3Ed. 3/21/81 LAST NM 11/93 36/93
Delete R Bn at light 43°44.8′S 173°07.7′E
(26(202)93 Auckland)

624 3Ed. 3/21/81 LAST NM 36/93 10/94
Add Depth 7 fathoms 43°28′S 176°51′W
(2(29)94 Auckland)

624 3Ed. 3/21/81 LAST NM 10/94 33/94
Add Superbuoy ODAS with
light flare symbol 42°47′S 170°04′E
(26(202)94 Auckland)

624 3Ed. 3/21/81 LAST NM 33/94 2/95
Add Depth 87 fathoms 54°48.0′S 159°36.0′E
(46(3869)94 Taunton)

624 3Ed. 3/21/81 LAST NM 2/95 22/95
Substitute Depth 17 fathoms for 40 fathoms 46°35′S 165°55′E
(18(151)95 Auckland)

624 3Ed. 3/21/81 LAST NM 22/95 30/95
Delete Depth 87 fathoms 54°48′S 159°36′E
(Supersedes 2/95-624)

Add Depth 87 fathoms 54°55′S 158°36′E
(21(1711)95 Taunton)

624 3Ed. 3/21/81 LAST NM 30/95 34/95
Delete Light symbol 45°07′S 170°59′E
(26(211)95 Auckland)

624 3Ed. 3/21/81 LAST NM 34/95 40/95
Add Islet 43°31′S 176°55′W
(33(261)95 Auckland)

624 3Ed. 3/21/81 LAST NM 40/95 46/95
Delete R Bn 46°39′S 168°26′E
(38(295)95 Auckland)

624 3Ed. 3/21/81 LAST NM 46/95 5/96
Delete R Bn (AERO) at light 42°25′S 173°42′E
(BA RA)

624 3Ed. 3/21/81 LAST NM 5/96 22/96
Delete R Bn (AERO) (PA) 41°46.0′S 171°35.0′E
(BA RA)

624 3Ed. 3/21/81 LAST NM 22/96 43/96
Delete Depth 46 fathoms "Rep (1966)" 65°30′S 160°55′E

Add Depth 85 fathoms 49°25′S 178°45′E

Depth 32 fathoms with legend
"Balleny Seamount" 65°27′S 161°00′E
(NZ CH 14065)

624 3Ed. 3/21/81 LAST NM 43/96 44/96
Relocate Superbuoy ODAS (42°47′S 170°04′E) to 42°42′S 170°08′E
(38(318)96 Auckland)

624 3Ed. 3/21/81 LAST NM 44/96 29/98
Delete Depth 39 fathoms "Rep (1970)" 54°02′S 159°03′E

Add Depth 2 fathoms 54°01′S 159°03′E
(17(152)98 Auckland)

624 3Ed. 3/21/81 LAST NM 29/98 1/99
Add Depth 11 fathoms 43°38′S 176°47′W
(46(392)98 Auckland)

624 3Ed. 3/21/81 LAST NM 1/99 14/99
Delete Light 44°13′S 176°13′W
(GIMM011/99)

624 3Ed. 3/21/81 LAST NM 14/99 16/99
Add Depth
364 fathoms 47°47′S 178°55′W
61 fathoms 47°39′S 179°39′E
(8(101)99 Auckland)

624 3Ed. 3/21/81 LAST NM 16/99 29/01
Add Depth 105 fathoms 51°10′S 165°32′E
(1(21)00 Wellington)

624 3Ed. 3/21/81 LAST NM 29/01 22/02
Add Legend "Lies 3 miles NW of charted position
(2001)" centered 67°05′S 162°20′E
(8(74)02 Wellington)

624 3Ed. 3/21/81 LAST NM 22/02 7/04
Add Depth 76 fathoms enclosed by depth contour
(100-fathom) 71°04′S 171°10′E
(16(1842)03 Taunton)

624 3Ed. 3/21/81 LAST NM 7/04 9/05
Add Wreck [K29] 41°44′S 174°58′E
(2(29)04 Wellington)

624 3Ed. 3/21/81 LAST NM 9/05 13/05
Add Buoy Y, spherical, "X" topmark, Fl(3) Y 15s
56°39′S 174°40′E
(10(103)04 Wellington)

624 3Ed. 3/21/81 LAST NM 13/05 1/06
Add Danger circle "Obstn" [K40] 46°38.5′S 178°31.5′E
Danger circle "Obstn" [K40] 49°35.0′S 179°57.0′E
Danger circle "Obstn" [K40] 50°16.0′S 180°00.0′
(34(4043)05 Taunton)

624 3Ed. 3/21/81 LAST NM 1/06 33/06
Delete Light symbol and legend "Cape Saunders"
45°53′S 170°44′E
(14(145)06 Wellington)

624 3Ed. 3/21/81 LAST NM 33/06 39/07
Add Depth 67 fathoms 50°27′S 165°41′E
Depth 109 fathoms 50°40′S 167°42′E
Depth 91 fathoms 50°44′S 167°21′E
Depth 252 fathoms 52°41′S 173°36′E
(NTM0011/2007)

624 3Ed. 3/21/81 LAST NM 39/07 3/08
Add Depth 104 fathoms 43°35′S 175°37′W
Depth 138 fathoms 44°11′S 175°16′W
Depth 538 fathoms 44°41′S 175°28′W
Depth 733 fathoms 42°43′S 172°18′W
Depth 892 fathoms 41°27′S 174°07′W
Depth 197 fathoms 48°10′S 179°37′W
Depth 322 fathoms 47°38′S 179°27′W
Depth 1372 fathoms 45°50′S 175°32′W
Depth 1904 fathoms 46°07′S 170°28′W
(NTM0011/2007)

624 3Ed. 3/21/81 LAST NM 3/08 10/08
Add Buoy RW, can, Fl Y 3s 46°56′S 160°28′E
(23(209)07 Wellington)

★625 4Ed. 10/12/96 NEW EDITION 50/96
(NIMA)

625 4Ed. 10/12/96 LAST NM 50/96 31/06
Substitute Depth 218 meters for 472 meters 59°43′S 68°52′W
Depth 1499 meters for 2743 meters 60°39′S 66°19′W

Add Depth 1225 meters 60°00′S 69°07′W
Depth 1870 meters 59°37′S 66°57′W
(NTM0014/2006)

★625 4Ed. 10/12/96 LAST NM 31/06 16/07
Add Area "#66" (Red Dot Area), predicted depth 0
meter, bound by purple dashed line joining
43°11′S 98°08′W
43°16′S 97°25′W
43°58′S 97°06′W
43°18′S 98°14′W

Note from Subsection I-2 in upper right margin
of chart
(NTM0009/2007)

625 4Ed. 10/12/96 LAST NM 16/07 34/07
Add Depth 3857 meters 33°56′S 147°39′W
Depth 3377 meters 33°38′S 141°15′W
Depth 3413 meters 34°07′S 142°19′W
(NTM0011/2007)

625 4Ed. 10/12/96 LAST NM 34/07 38/07
Add Depth 2416 meters 48°29′S 146°11′W
Depth 1199 meters 47°55′S 149°45′W
(NTM0011/2007)

625 4Ed. 10/12/96 LAST NM 38/07 43/07
Add Depth 2347 meters 44°52′S 155°26′W

Depth 1814 meters enclosed by depth contour
(1829-meter) centered 44°31′S 159°26′W

Depth 3176 meters 42°06′S 150°30′W
Depth 2855 meters 40°15′S 152°32′W
Depth 2121 meters 41°13′S 158°23′W
Depth 2875 meters 40°04′S 158°30′W
(NTM0011/2007)

★632 8Ed. 1/15/94 NEW EDITION 18/94
Delete R Bn symbol at light 5°58′S 106°51′E
(DMAHTC; 51(3770)86 Taunton)

632 8Ed. 1/15/94 LAST NM 18/94 32/94
Delete Depth 4 fathoms "Rep (1974)" 1°44′N 107°26′E
(MCC1306/94)

632 8Ed. 1/15/94 LAST NM 32/94 48/94
Delete Light symbol 7°06′S 114°16′E
(39(3286)94 Taunton)

632 8Ed. 1/15/94 LAST NM 48/94 44/95
Add Rock which covers and uncovers
"Rep (1995)" 0°08′N 106°13′E
(MCC1299/94)

632 8Ed. 1/15/94 LAST NM 44/95 45/95
Add Depth 16 fathoms Wk (unsurveyed) 5°22′N 114°39′E
(38(3144)95 Taunton)

632 8Ed. 1/15/94 LAST NM 45/95 47/95
Change Caution No. 2 of CAUTIONS note in right upper margin of chart to
"2. The area enclosed by the dashed line has not been completely surveyed, and it is reported that numerous dangers exist in the area."

Add Purple dashed line (limit of dangerous ground) joining
9°00′N 116°41′E
7°30′N 115°25′E
7°30′N 111°30′E
8°40′N 111°30′E
9°00′N 111°53′E
(BA CH 2660B)

632 8Ed. 1/15/94 LAST NM 47/95 6/96
Add Depth 908 fathoms "Rep (1995)" 5°51′S 125°32′E
(SMEA002/96)

632 8Ed. 1/15/94 LAST NM 6/96 12/96
Add Dangerous wreck 6°08.5′S 108°26.5′E
(5(395)96 Taunton)

632 8Ed. 1/15/94 LAST NM 12/96 15/96
Add Light symbol
7°33′N 109°42′E
7°33′N 109°48′E
7°55′N 109°57′E
7°48′N 110°28′E
8°09′N 110°35′E
8°02′N 110°37′E
7°52′N 111°44′E
8°39′N 111°38′E
8°50′N 112°11′E
(33(62)94, 49(43, 46)95 Brest)

632 8Ed. 1/15/94 LAST NM 15/96 45/96
Delete Dangerous wreck "Rep (1947)" 4°36.0′S 113°02.0′E

Add Wreck 4°37.0′S 112°58.8′E
(39(3218)96 Taunton; Indo CH 150)

632 8Ed. 1/15/94 LAST NM 45/96 51/96
Add Depth 24 fathoms 7°36.3′N 108°30.0′E
(43(3560)96 Taunton)

632 8Ed. 1/15/94 LAST NM 51/96 8/97
Substitute Depth 21 fathoms Wk for
11 fathoms Wk (unsurveyed) 2°15′N 104°56′E

Add Depth 10 fathoms 5 feet Wk (unsurveyed) 2°38′N 105°13′E
(33(2386)91, 50(4146)96 Taunton)

632 8Ed. 1/15/94 LAST NM 8/97 10/97
Add Dangerous wreck 4°32′N 108°14′E
(1(63)97 Taunton)

632 8Ed. 1/15/94 LAST NM 10/97 38/97
Add Depth 7 fathoms 5 feet "Rep (1997)" 8°21′S 127°29′E
(GIMM043/96)

632 8Ed. 1/15/94 LAST NM 38/97 4/99
Delete Depth 947 fathoms 8°38′N 112°21′E

Substitute Depth 293 fathoms for 595 fathoms 8°34′N 109°38′E

Add Depth
293 fathoms 8°47′N 109°27′E
359 fathoms 8°40′N 109°55′E
259 fathoms 8°41′N 112°26′E
253 fathoms 6°40′N 111°57′E
156 fathoms 6°16′N 110°17′E
146 fathoms 5°48′N 110°36′E
59 fathoms 5°42′N 110°09′E
(12(1032)98 Taunton)

632 8Ed. 1/15/94 LAST NM 4/99 9/99
Add Depth 8 fathoms 1 foot 10°42.4′S 126°14.2′E
(24(695)98 Wollongong)

632 8Ed. 1/15/94 LAST NM 9/99 16/99
Delete Depth 14 fathoms "Rep (1956)" 10°42′S 126°10′E

Substitute Depth 7 fathoms 3 feet for
8 fathoms 1 foot 10°42.4′S 126°14.2′E
(See 9/99-632)
(1(44)99 Wollongong)

632 8Ed. 1/15/94 LAST NM 16/99 20/99
Add Danger circle "Obstn" 7°20′S 116°15′E
(26(2286)98 Taunton)

632 8Ed. 1/15/94 LAST NM 20/99 40/99
Add Dangerous wreck 0°37′N 107°50′E
(31(2890)99 Taunton)

632 8Ed. 1/15/94 LAST NM 40/99 52/99
Add Light symbol 6°08′S 124°37′E
Light symbol 6°02′S 124°03′E
(39(3554)98 Taunton)

632 8Ed. 1/15/94 LAST NM 52/99 15/02
Add Depth 30 meters Wk [K26] 1°49′N 108°29′E
(5(482)02 Taunton)

632 8Ed. 1/15/94 LAST NM 15/02 24/02
Add Depth 9 fathoms 5 feet "Rep (2002)" [I3.2]
7°12′N 108°37′E
(18(1833)02 Taunton)

632 8Ed. 1/15/94 LAST NM 24/02 45/02
Add Depth 580 meters 8°28′N 111°53′E
(36(3833)02 Taunton)

632 8Ed. 1/15/94 LAST NM 45/02 50/05
Add Depth 12 meters 1°04′S 106°49′E
(43(1306)05 Tokyo)

632 8Ed. 1/15/94 LAST NM 50/05 4/06
Add Depth 41 fathoms Wk [K26] 4°18′N 106°05′E
Depth 34 fathoms Wk [K26] 4°30′N 105°56′E
Depth 14 fathoms Wk [K26] 1°46′N 108°19′E
Wreck [K29] 5°50′S 107°30′E
Wreck [K29] 4°40′S 125°20′E
(34(256), 36(269-271), 37(279)04 Jakarta)

632 8Ed. 1/15/94 LAST NM 4/06 12/06
Add Wreck [K29] 5°49′S 106°35′E
Wreck [K29] 5°12′S 109°59′E
(36(360), 37(365)05 Jakarta)

632 8Ed. 1/15/94 LAST NM 12/06 14/06
Add Depth 199 fathoms 4°02′N 94°44′E
Depth 303 fathoms 2°41′N 95°04′E
Depth 424 fathoms 2°27′N 95°22′E
(41(399)05 Jakarta)

632 8Ed. 1/15/94 LAST NM 14/06 18/06
Add Wreck [K29] 4°44′S 109°18′E
(2(7)06 Jakarta)

632 8Ed. 1/15/94 LAST NM 18/06 35/06
Add Danger circle [Ke] "Discol water" centered
3°53′N 105°11′E
(6(93)06 Kuala Lumpur)

632 8Ed. 1/15/94 LAST NM 35/06 47/06
Add Wreck [K29] 9°50′S 121°31′E
(19(141)06 Jakarta)

632 8Ed. 1/15/94 LAST NM 47/06 19/08
Add Depth 37 fathoms "Rep (2001)" [I3.2] 6°31′S 104°46′E
(5(523)08 Taunton)

632 8Ed. 1/15/94 LAST NM 19/08 24/08
Delete R Bn at light 1°52′N 125°04′E
(BA LL)

632 8Ed. 1/15/94 LAST NM 24/08 46/08
Delete Depth 7 fathoms 3 feet, blue tint and enclosing depth contour in vicinity 7°22′N 109°00′E

Substitute Depth 80 fathoms for 4 fathoms "Rep (1992)" 7°14′N 108°58′E
and delete blue tint and enclosing depth contour
(NTM0005/2008)

★700 (INT 700) 4Ed. 10/7/95 NEW EDITION 4/96
(DMA)

700 (INT 700) 4Ed. 10/7/95 LAST NM 4/96 47/96
Delete Legend "AERO" 31°43′S 29°07′E
(7(75)96 Cape Town)

700 (INT 700) 4Ed. 10/7/95 LAST NM 47/96 3/99
Add Wreck 30°00′S 31°53′E
(9(110)98 Cape Town)

700 (INT 700) 4Ed. 10/7/95 LAST NM 3/99 52/99
Delete Depth 49 meters 33°54′S 26°47′E
(5(58)99 Cape Town)

700 (INT 700) 4Ed. 10/7/95 LAST NM 52/99 21/00
Delete Depth 192 meters 28°39′S 32°40′E
(1(25)00 Cape Town)

700 (INT 700) 4Ed. 10/7/95 LAST NM 21/00 34/00
Delete R Bn at light 27°33′S 32°41′E
R Bn at light 28°09′S 32°33′E
R Bn at light 28°31′S 32°24′E
R Bn at light 28°46′S 32°08′E
R Bn at light 33°31′S 27°06′E
R Bn at light 32°14′S 28°55′E
R Bn at light 30°45′S 30°28′E
R Bn at light 30°28′S 30°39′E
R Bn at light 29°56′S 31°00′E
R Bn at light 34°01′S 25°42′E
R Bn at light 33°02′S 27°54′E
(3(36)00 Cape Town)

700 (INT 700) 4Ed. 10/7/95 LAST NM 34/00 8/07
Add Depth 1710 meters enclosed by dashed-line circle 29°08′S 44°11′E
Depth 969 meters enclosed by dashed-line circle 34°32′S 43°12′E
(NTM0014/2006)

700 (INT 700) 4Ed. 10/7/95 LAST NM 8/07 18/07
Delete Depth 146 meters, blue tint and enclosing danger circle centered 29°29′S 31°57′E
(4(59)06 Cape Town)

700 (INT 700) 4Ed. 10/7/95 LAST NM 18/07 40/07
Add Depth 995 meters 37°25′S 50°28′E
Depth 1556 meters 37°02′S 52°05′E
Depth 205 meters 36°53′S 52°06′E
Depth 666 meters 36°35′S 52°01′E
Depth 1660 meters 36°38′S 52°35′E
Depth 1232 meters 36°53′S 52°44′E
Depth 1411 meters 37°37′S 51°08′E
(NTM0011/2007)

★700 (INT 700) 4Ed. 10/7/95 LAST NM 40/07 18/09
Add Danger circle [K1] "Shoal rep (2008)", radius 8 miles, centered 35°55′S 53°14′E
(NTM0009/2009)

★701 (INT 701) 3Ed. 10/5/96 NEW EDITION 51/96
(NIMA)

701 (INT 701) 3Ed. 10/5/96 LAST NM 51/96 4/97
Add Depth 86 meters (ED) 11°52′S 44°23′E
(47(3880)96 Taunton)

701 (INT 701) 3Ed. 10/5/96 LAST NM 4/97 1/08
Substitute Depth 75 meters enclosed by dotted-line circle for 2979 meters 11°37′S 43°02′E

Add Depth 56 meters enclosed by dotted-line circle 11°43′S 43°02′E
Depth 22.5 meters enclosed by dotted-line circle 11°55′S 43°06′E
(38(3744)00 Taunton)

★702 (INT 702) 5Ed. 10/14/95 NEW EDITION 14/96
(DMA)

702 (INT 702) 5Ed. 10/14/95 LAST NM 14/96 40/97
Add Depth 317 meters 8°46.5′S 70°17.0′E
(27(2361)97 Taunton)

702 (INT 702) 5Ed. 10/14/95 LAST NM 40/97 44/97
Delete Depth 891 meters 8°18′S 71°22′E

Add Depth 599 meters 8°20′S 71°22′E
(29(2572)97 Taunton)

702 (INT 702) 5Ed. 10/14/95 LAST NM 44/97 7/03
Delete Depth 23 meters, blue tint and enclosing dotted-line circle in vicinity 10°25′S 57°30′E
Depth 22 meters, blue tint and enclosing dotted-line circle in vicinity 6°26′S 58°32′E
(13(36)02 Brest)

★703 (INT 703) 4Ed. 6/1/96 NEW EDITION 39/96
Delete Depth 521 meters 11°45′N 73°02′E

Substitute Depth 47 meters for 48 meters 12°14′N 54°17′E

Add Depth
262 meters "Rep (1983)" 6°51′S 72°12′E
419 meters 11°44′N 73°01′E

Danger circle
"Discol water (1992)" 11°35′N 55°57′E
"Obstn Rep (1991)" 13°02′N 46°22′E

Islet, six miles by one mile wide, oriented 035°-205° on axis centered 7°09′S 56°15′E

R Bn (AERO) 7°08′S 56°16′E
(DMA; SMEA003/96)

703 (INT 703) 4Ed. 6/1/96 LAST NM 39/96 24/97
Add Depth 758 meters "Rep (1997)" 12°38′N 47°14′E
(GIMM044/96)

703 (INT 703) 4Ed. 6/1/96 LAST NM 24/97 41/97
Add Depth 235 meters 9°24′N 74°39′E
(13(271)97 Dehra Dun)

703 (INT 703) 4Ed. 6/1/96 LAST NM 41/97 49/99
Delete R Bn at light 8°16′N 73°02′E
(31(2755)98 Taunton)

703 (INT 703) 4Ed. 6/1/96 LAST NM 49/99 3/01
Add Depth 645 meters 12°08′N 47°30′E
(22(1993)99 Taunton)

703 (INT 703) 4Ed. 6/1/96 LAST NM 3/01 7/01
Delete Depth 600 meters 13°25′N 50°13′E

Add Depth 55 meters 12°32′N 54°41′E
Depth 200 meters 11°47′N 55°11′E
Depth 547 meters 12°09′N 47°06′E
Depth 523 meters 13°28′N 50°09′E
(38(3493, 3494)99 Taunton)

703 (INT 703) 4Ed. 6/1/96 LAST NM 7/01 8/01
Add Depth 185 meters enclosed by depth contour (200-meter) 4°26′N 72°40′E
(11(1037)99 Taunton)

703 (INT 703) 4Ed. 6/1/96 LAST NM 8/01 41/01
Delete R Bn at light 13°00′N 74°47′E
R Bn at light 10°12′N 76°10′E
(17(378, 379)98 Dehra Dun)

703 (INT 703) 4Ed. 6/1/96 LAST NM 41/01 46/02
Delete Depth 155 meters, blue tint and enclosing danger circle in vicinity 13°07′N 51°23′E
(15(11)02 Brest)

703 (INT 703) 4Ed. 6/1/96 LAST NM 46/02 7/03
Delete Depth 22 meters, blue tint and enclosing dotted-line circle in vicinity 6°26′S 58°32′E
(13(36)02 Brest)

703 (INT 703) 4Ed. 6/1/96 LAST NM 7/03 44/03
Add Depth 1737 meters 7°58′N 74°35′E
(NTM0030/2003)

703 (INT 703) 4Ed. 6/1/96 LAST NM 44/03 24/09
Delete Depth 2758 meters 12°22′N 61°17′E

Substitute Depth 271 meters for 443 meters 7°30′N 72°59′E

Add Depth 2661 meters 12°26′N 61°19′E
(50(6783)08 Taunton)

★**704** (INT 704) 1Ed. 8/11/84 NEW CHART 41/84
(DMAHTC)

704 (INT 704) 1Ed. 8/11/84 LAST NM 41/84 26/85
Delete Depth 726 meters 25°31′N 35°32′E

Add Depth 14.6 meters "Rep (1984)" (PA) 25°32.9′N 35°31.7′E
(16(1062)85 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 26/85 16/86
Add Depth 34 meters "Rep (1985)" 16°27′N 40°45′E
(4(281)86 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 16/86 27/86
Delete Depth 591 meters 21°17.5′N 37°29.0′E

Add Depths
119 meters 21°17.5′N 37°29.8′E
444 meters (PA) 11°55.0′N 44°42.0′E
(15(1106)86 Taunton; MCNM7776/86)

704 (INT 704) 1Ed. 8/11/84 LAST NM 27/86 35/86
Add R Bn 19°36.5′N 37°14.1′E
(25(1797)86 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 35/86 10/87
Add Light symbol 23°28′N 38°25′E
(SPA A170/86)

704 (INT 704) 1Ed. 8/11/84 LAST NM 10/87 14/87
Add Depth 10 meters "Rep (1986)" 14°14′N 42°27′E
(DIFRAP 5209/86; 4(329)87 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 14/87 1/88
Delete Depth 14.6 meters "Rep (1984)" (PA) 25°33′N 35°32′E
Light 21°30′N 39°12′E

Add Depth 726 meters 25°32′N 35°32′E
(46(3480, 3481)87 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 1/88 25/88
Add Rock awash 22°19′N 38°53′E
Submerged rock 21°38′N 38°59′E
Dangerous submerged rock 21°24′N 38°51′E
(13(1033, 1034)88 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 25/88 45/88
Delete Legend "NOT...APPLIES)" in lower left margin of chart
(MCNM8163/88)

704 (INT 704) 1Ed. 8/11/84 LAST NM 45/88 46/88
Delete Depth 31 meters 18°57′N 38°08′E

Add Depth 23 meters 18°57′N 38°09′E
(36(2708)88 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 46/88 52/88
Delete R Bn (AERO) 29°31′N 34°54′E

Add R Bn (AERO) 29°03′N 34°40′E
(40(2990)88 Taunton; BA RA)

704 (INT 704) 1Ed. 8/11/84 LAST NM 52/88 53/88
Add Depth 24 meters 27°50′N 34°59′E
(42(3137)88 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 53/88 40/92
Delete R Bn (AERO) 19°34′N 37°13′E
(DMAHTC)

704 (INT 704) 1Ed. 8/11/84 LAST NM 40/92 46/95
Delete R Bn (AERO) 11°33′N 43°08′E
(BA RA)

704 (INT 704) 1Ed. 8/11/84 LAST NM 46/95 31/00
Add Depth 18.4 meters, blue tint and enclosing depth contour (30-meter) centered 14°03′N 41°54′E
(23(2300)00 Taunton)

704 (INT 704) 1Ed. 8/11/84 LAST NM 31/00 7/01
Add Depth 205 meters 19°33′N 39°24′E
(38(3495)99 Taunton)

★**705** (INT 705) 3Ed. 6/5/82 NEW EDITION 33/82
Add Depth 366 meters 12°51′N 71°30′E
(Previously published 26/82)
(DMAHTC)

705 (INT 705) 3Ed. 6/5/82 LAST NM 33/82 34/82
Add Light symbol 20°56.3′N 72°45.5′E
(10(257)82 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 34/82 37/83
Delete R Bns 15°53′N 73°28′E
18°42′N 72°49′E
(10(250), 14(380)83 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 37/83 40/83
Add Depth 521 meters "Rep (1983)" (PA) 11°45.2′N 73°02.0′E
(NVS7032/83)

705 (INT 705) 3Ed. 6/5/82 LAST NM 40/83 47/83
Delete R Bn (AERO) and legend "Zaqqum" 24°52′N 53°37′E
(40(2577)83 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 47/83 1/84
Add Depth 16 meters "Rep (1975)" (PA) 19°16.8′N 58°12.5′E
(NVS7141/83)

705 (INT 705) 3Ed. 6/5/82 LAST NM 1/84 2/84
Add R Bn at light 19°17′N 72°47′E
(22(582)83 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 2/84 27/84
Substitute Depth 47 meters for 48 meters 12°13.5′N 54°19.5′E
(52(50)76 Brest)

705 (INT 705) 3Ed. 6/5/82 LAST NM 27/84 28/84
Delete R Bn 24°51′N 67°01′E
(US RA)

705 (INT 705) 3Ed. 6/5/82 LAST NM 28/84 33/84
Add Light symbol 11°15.4′N 72°47.4′E
(12(290)84 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 33/84 35/84
Add Depth 179 meters "Rep (1961)" (PA) 12°33.6′N 45°04.2′E
(NVS7308/84)

705 (INT 705) 3Ed. 6/5/82 LAST NM 35/84 4/85
Add Light symbol with legend "Kasaragod" 12°30′N 74°58′E
(19(461)84 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 4/85 8/85
Add Dangerous wreck 19°19′N 72°15′E
(1(46)85 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 8/85 47/85
Delete R Bn (AERO) 25°05′N 61°48′E
(DMAHTC)

705 (INT 705) 3Ed. 6/5/82 LAST NM 47/85 8/86
Add Light symbol 21°37′N 69°37′E
Legend "Oilfields and Recommended Routes (see note)" 18°50′N 71°35′E
Note
"OILFIELDS AND RECOMMENDED ROUTES
Due to existence of various Oilfields in the area, recommended routes have been established to assist mariners to navigate safely in the vicinity of these Oilfields. For details of these, the larger scale charts should be consulted." 23°40′N 73°10′E
(22(547), 24(594)85 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 8/86 11/86
Add Depth 382 meters 19°05.5′N 58°16.3′E
(HNNM 7711/86)

705 (INT 705) 3Ed. 6/5/82 LAST NM 11/86 19/86
Add Danger circle "Shoal (rep 1969)" 12°07.5′N 52°32.0′E
(9(670)86 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 19/86 40/86
Add Light symbol 21°56.5′N 69°13.9′E
(14(376)86 Dehra Dun; 33(2383)86 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 40/86 3/87
Add Light symbol with legend "Chetwai" 10°33′N 76°01′E
(20(526)86 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 3/87 9/87
Delete Depth 631 meters 12°59′N 53°57′E

Add Depths
386 meters 12°59′N 54°01′E
494 meters 12°08′N 45°38′E
664 meters 12°07′N 44°58′E
(49(3598)86 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 9/87 17/87
Add Light symbol with legend "Tekra" 22°55.5′N 70°07.3′E
(1(28)87 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 17/87 39/87
Delete Depths
57 meters 12°00′N 54°44′E
152 meters 12°04′N 54°47′E
(MCNM7970/87)

705 (INT 705) 3Ed. 6/5/82 LAST NM 39/87 48/87
Substitute Depth 23 meters for 60 meters 19°00.4′N 69°54.4′E
(16(391)87 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 48/87 5/88
Add Depth 68 meters 12°31′N 53°11′E
(50(3783)87 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 5/88 32/88
Delete R Bn at light 26°28′N 56°32′E
(26(1980)88 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 32/88 16/89
Add Racon at light 26°28′N 56°32′E
(10/89 Bahrain)

705 (INT 705) 3Ed. 6/5/82 LAST NM 16/89 26/89
Substitute Depth 13 meters for 16 meters 10°51′N 73°48′E
(15(1172)89 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 26/89 34/90
Add Depth 380 meters 13°49′N 73°06′E
(10(207)90 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 34/90 4/91
Delete Depth 16 meters 12°53′N 43°16′E
(MCNM1068/90)

705 (INT 705) 3Ed. 6/5/82 LAST NM 4/91 11/92
Add Depth 389 meters 11°44′N 55°08′E
(1(51)92 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 11/92 9/93
Add Danger circle "Discol water (1992)" 11°35′N 55°57′E
(MCC1232/93)

705 (INT 705) 3Ed. 6/5/82 LAST NM 9/93 11/93
Delete R Bn (AERO) 21°38′N 69°40′E

Substitute R Bn for light symbol 21°37′N 69°37′E
(29(2086)91 Taunton; 19(358)92 Dehra Dun; BA RA)

705 (INT 705) 3Ed. 6/5/82 LAST NM 11/93 13/93
Delete R Bn (AERO) 29°27′N 48°18′E

Add R Bn (AERO) 28°05′N 48°37′E
(19(1386)92 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 13/93 16/93
Add R Bn at light 16°59′N 73°16′E
(23(434)92 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 16/93 33/93
Add Danger circle "Obstn Rep (1991)" 13°02′N 46°22′E
(MCC1265/93)

705 (INT 705) 3Ed. 6/5/82 LAST NM 33/93 45/94
Add Depth 494 meters "Rep" 15°02′N 72°27′E
(MCC1337/94)

705 (INT 705) 3Ed. 6/5/82 LAST NM 45/94 6/95
Add Depth
489 meters 13°21′N 72°01′E
120 meters 12°15′N 73°45′E
(48(4020)94 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 6/95 6/96
Delete Depth 120 meters 12°15′N 73°45′E
(See 6/95-705)
(48(3947)95 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 6/96 8/96
Add Depth 311 meters 24°45.4′N 61°51.3′E
(Pak CH 33)

705 (INT 705) 3Ed. 6/5/82 LAST NM 8/96 22/97
Add Stranded wreck 29°09′N 49°16′E
(11(976)97 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 22/97 24/97
Add Depth 758 meters "Rep (1997)" 12°38′N 47°14′E
(GIMM044/96)

705 (INT 705) 3Ed. 6/5/82 LAST NM 24/97 36/97
Delete Depth 494 meters "Rep" 15°02′N 72°27′E

Add Depth 451 meters 15°00′N 72°26′E
(23(2010)97 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 36/97 21/98
Delete R Bn (AERO) 26°15′N 50°10′E
(8(645)98 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 21/98 21/99
Delete Light 25°12′N 63°30′E

Add Depth 29 meters Wk (unsurveyed) (K30) 26°20′N 53°11′E
(8(30)99 Karachi; 15(1372)99 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 21/99 38/99
Delete R Bn at light 22°29′N 69°04′E
Note: Racon remains
(11(216)98 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 38/99 49/99
Delete R Bn at light 19°16′N 72°47′E
(35(3131)98 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 49/99 3/00
Add Superbuoy ODAS [Q58] with Ra Ref 18°36′N 71°02′E
(15(306)98 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 3/00 4/00
Delete Depth 353 meters 14°50′N 51°21′E

Add Depth 285 meters 14°50′N 51°31′E
(35(3257)99 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 4/00 16/00
Delete Racon at light 22°29′N 69°04′E
(See 38/99-705)
(24(505)98 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 16/00 20/00
Add Racon at light 22°36′N 69°57′E
Racon at light 20°54′N 71°32′E
(23(463, 464)99 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 20/00 22/00
Substitute Islet [K10] for light 25°14′N 54°12′E
(5(393)00 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 22/00 3/01
Add Depth 645 meters 12°08′N 47°30′E
(22(1993)99 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 3/01 4/01
Add Racon [S3.1] at light 21°36′N 72°21′E
(4(103)00 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 4/01 5/01
Add Racon [S3.1] at light 23°15′N 68°36′E
(20(421)99 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 5/01 7/01
Delete Depth 389 meters 11°44′N 55°08′E
Depth 600 meters 13°23′N 50°14′E

Add Depth 55 meters 12°32′N 54°41′E
Depth 200 meters 11°47′N 55°11′E
Depth 547 meters 12°09′N 47°06′E
Depth 523 meters 13°28′N 50°09′E
Depth 224 meters 14°32′N 49°49′E
(38(3493, 3494)99 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 7/01 41/01
Delete R Bn at light 13°00′N 74°47′E
(17(378)98 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 41/01 12/02
Delete AERO R Bn at light 24°50′N 66°40′E
(BA RA)

705 (INT 705) 3Ed. 6/5/82 LAST NM 12/02 46/02
Delete Depth 155 meters "Rep (1981)", blue tint and
enclosing depth contour in vicinity 13°07′N 51°23′E
(15(11)02 Brest)

705 (INT 705) 3Ed. 6/5/82 LAST NM 46/02 52/02
Add Superbuoy ODAS [Q58] "DS1" Y, Fl 3s 15°33′N 69°10′E
(21(417)02 Dehra Dun)

705 (INT 705) 3Ed. 6/5/82 LAST NM 52/02 7/08
Delete Dangerous wreck (PA) 26°00′N 52°06′E
(51(5790)07 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 7/08 48/08
Add Light symbol [P1] 13°59′N 48°11′E
(39(5263)08 Taunton)

705 (INT 705) 3Ed. 6/5/82 LAST NM 48/08 24/09
Delete Depth 2758 meters 12°22′N 61°17′E

Add Depth 2661 meters 12°26′N 61°19′E
(50(6783)08 Taunton)

★**706** (INT 706) 4Ed. 4/19/86 NEW EDITION 29/86
Add Racon to light 10°16′N 79°52′E
(Previously published 20/86)

Delete R Bns (AERO) 3°33′N 98°48′E
4°00′N 101°02′E
13°00′N 80°10′E

Depth 29 meters 8°28′N 100°33′E

Add Depth 29 meters 3°28′N 100°33′E
(DMAHTC; BA CH 828, 4707)

706 (INT 706) 4Ed. 4/19/86 LAST NM 29/86 32/86
Add Depth 325 meters "Rep (1986)" 12°12′N 94°57′E
(11(308)86 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 32/86 34/86
Add Light symbol 10°30.8′N 92°30.2′E
(12(331)86 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 34/86 36/86
Add Danger circle "Unexploded ordnance" 11°11′N 92°41′E
(13(370)86 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 36/86 44/86
Add Depths
37 meters 4°22′N 99°55′E
38 meters 5°16′N 99°36′E
(37(2688)86 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 44/86 49/86
Add Depth 33 meters (PA) 3°45′N 95°59′E
(41(2991)86 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 49/86 3/87
Add Light symbol with legend "Chetwai" 10°33′N 76°01′E
(20(526)86 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 3/87 8/87
Add Depths
564 meters (PA) 6°35′N 96°05′E
615 meters (PA) 6°35′N 96°18′E
(MCNM7895/87)

706 (INT 706) 4Ed. 4/19/86 LAST NM 8/87 16/87
Add Light symbol 16°32′N 94°14′E
(Ind CH 31)

706 (INT 706) 4Ed. 4/19/86 LAST NM 16/87 21/87
Add Depth 50 meters "Rep (1986)" 7°38′N 72°44′E
(11(847)87 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 21/87 27/87
Add R Bn (AERO) 5°24.5′N 103°04.0′E
(BA CH 3543)

706 (INT 706) 4Ed. 4/19/86 LAST NM 27/87 45/87
Delete R Bn (AERO) 5°28.0′N 100°24.0′E
(BA RA)

706 (INT 706) 4Ed. 4/19/86 LAST NM 45/87 48/87
Add Submarine cable joining 19°00.0′N 72°30.0′E
19°00.0′N 71°00.0′E
(16(392)87 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 48/87 28/88
Add Light symbol 20°15′N 86°40′E
Light symbol with legend
"Anjengo" 8°40′N 76°46′E
(8(215), 9(239)88 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 28/88 44/88
Substitute Depth 419 meters for 521 meters
and encircling dotted line 11°44′N 73°00′E
(MCNM8159/88)

706 (INT 706) 4Ed. 4/19/86 LAST NM 44/88 52/88
Add R Bn (AERO) 20°08′N 92°53′E
(41(3060)88 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 52/88 10/89
Add R Bn 5°55′N 95°18′E
(47(373)88 Jakarta)

706 (INT 706) 4Ed. 4/19/86 LAST NM 10/89 11/89
Add Depth 480 meters 4°52′N 93°18′E
(MCNM1033/89)

706 (INT 706) 4Ed. 4/19/86 LAST NM 11/89 26/89
Substitute Depth 13 meters for 16 meters 10°51′N 73°48′E
(15(1172)89 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 26/89 44/89
Add Depth 433 meters "Rep (1989)" (PA) 12°42.0′N 94°40.0′E
(MCNM1114/89)

706 (INT 706) 4Ed. 4/19/86 LAST NM 44/89 11/90
Add Light flare symbol 5°30.3′N 95°10.0′E
(1(1)90 Jakarta)

706 (INT 706) 4Ed. 4/19/86 LAST NM 11/90 34/90
Add Depth 380 meters 13°49′N 73°06′E
(10(207)90 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 34/90 4/91
Add Light symbol 3°44.0′N 96°36.0′E
(33(215)90 Jakarta)

706 (INT 706) 4Ed. 4/19/86 LAST NM 4/91 6/91
Add Depths
30 meters 7°15′N 103°04′E
86 meters "Rep (1990)" 8°32′N 97°27′E
(43(3092)90 Taunton; 36(49)90 Brest)

706 (INT 706) 4Ed. 4/19/86 LAST NM 6/91 49/92
Delete R Bn at light 20°19′N 86°44′E

Add R Bn at light 20°15′N 86°40′E
(9(190)92 Dehra Dun; BA RA)

706 (INT 706) 4Ed. 4/19/86 LAST NM 49/92 3/93
Add R Bn at light 10°46′N 79°51′E
(9(189)92 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 3/93 15/93
Add R Bn at light 19°15′N 84°54′E
(BA RA)

706 (INT 706) 4Ed. 4/19/86 LAST NM 15/93 16/93
Add R Bn at light 16°59′N 73°16′E
(23(434)92 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 16/93 16/94
Add R Bn at light 14°15′N 80°09′E
(7(122)93 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 16/94 45/94
Add Depth 494 meters "Rep" 15°02′N 72°27′E
(MCC1337/94)

706 (INT 706) 4Ed. 4/19/86 LAST NM 45/94 6/95
Add Depth
489 meters 13°21′N 72°01′E
120 meters 12°15′N 73°45′E
(48(4020)94 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 6/95 47/95
Delete R Bn (AERO) 11°40′N 92°44′E
(BA RA)

706 (INT 706) 4Ed. 4/19/86 LAST NM 47/95 6/96
Delete Depth 120 meters 12°15′N 73°45′E
(See 6/95-706)
(48(3947)95 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 6/96 15/96
Add Depth
110 meters 7°36′N 76°45′E
203 meters 7°39′N 76°34′E
733 meters 7°40′N 76°31′E
(BA CH 1566)

706 (INT 706) 4Ed. 4/19/86 LAST NM 15/96 26/96
Add R Bn (AERO) 12°40′N 101°00′E
(BA RA; BA CH 3965)

706 (INT 706) 4Ed. 4/19/86 LAST NM 26/96 7/97
Add Light symbol 2°06′N 96°37′E
(GIMM008/97)

706 (INT 706) 4Ed. 4/19/86 LAST NM 7/97 10/97
Delete Light symbol 8°31′N 81°19′E
(BA LL)

706 (INT 706) 4Ed. 4/19/86 LAST NM 10/97 36/97
Delete Depth 494 meters "Rep" 15°02′N 72°27′E

Add Depth 451 meters 15°00′N 72°26′E
(23(2010)97 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 36/97 41/97
Add Depth 235 meters 9°24′N 74°39′E
(13(271)97 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 41/97 47/98
Add Superbuoy ODAS "DS3" Fl 2s 13°00′N 87°01′E
(20(403)97, 15(313)98 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 47/98 49/99
Delete R Bn at light 8°16′N 73°02′E
R Bn at light 11°55′N 79°50′E
R Bn at light 19°16′N 72°47′E
(31(2755, 2757), 35(3131)98 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 49/99 52/99
Add Light symbol 8°28′N 93°37′E
(13(275)98 Dehra Dun; BA LL)

706 (INT 706) 4Ed. 4/19/86 LAST NM 52/99 20/00
Add Racon at light 20°54′N 71°32′E
(23(464)99 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 20/00 4/01
Add Racon [S3.1] at light 21°36′N 72°21′E
(4(103)00 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 4/01 8/01
Add Depth 185 meters enclosed by depth contour (200-meter) 4°26′N 72°40′E
(11(1037)99 Taunton)

706 (INT 706) 4Ed. 4/19/86 LAST NM 8/01 41/01
Delete R Bn at light 13°00′N 74°47′E
R Bn at light 10°12′N 76°10′E
(17(378, 379)98 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 41/01 43/01
Add Racon [S3.1] at light 13°25′N 80°20′E
(21(443)99 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 43/01 44/01
Delete R Bn at light 21°39′N 88°03′E
(17(385)98 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 44/01 44/03
Add Depth 1737 meters enclosed by depth contour (2000-meter) 7°58′N 74°35′E
(NTM0030/2003)

706 (INT 706) 4Ed. 4/19/86 LAST NM 44/03 14/06
Add Depth 364 meters 4°02′N 94°44′E
Depth 604 meters 3°57′N 94°42′E
Depth 578 meters 2°39′N 95°06′E
Depth 756 meters 2°27′N 95°22′E
Depth 280 meters 4°43′N 93°41′E
Depth 577 meters 4°27′N 94°28′E
Depth 393 meters 4°34′N 93°23′E
Depth 774 meters 3°55′N 93°45′E
(41(399)05 Jakarta)

706 (INT 706) 4Ed. 4/19/86 LAST NM 14/06 32/08
Delete Depth 7 meters and enclosing danger circle 10°25′N 92°26′E
Dangerous submerged rock 11°00′N 92°30′E
(13(363)08 Dehra Dun)

706 (INT 706) 4Ed. 4/19/86 LAST NM 32/08 24/09
Substitute Depth 271 meters for 442 meters 7°30′N 72°59′E
(50(6783)08 Taunton)

★**707** (INT 707) 2Ed. 11/11/95 NEW EDITION 10/96
(DMA)

707 (INT 707) 2Ed. 11/11/95 LAST NM 10/96 15/96
Add Depth
110 meters 7°36′N 76°45′E
203 meters 7°39′N 76°34′E
733 meters 7°40′N 76°31′E
(BA CH 1566)

707 (INT 707) 2Ed. 11/11/95 LAST NM 15/96 7/97
Add Light symbol 2°06′N 96°37′E
(GIMM008/97)

707 (INT 707) 2Ed. 11/11/95 LAST NM 7/97 10/97
Delete Light symbol 8°31′N 81°19′E
(BA LL)

707 (INT 707) 2Ed. 11/11/95 LAST NM 10/97 49/99
Delete R Bn at light 8°16′N 73°02′E
(31(2755)98 Taunton)

707 (INT 707) 2Ed. 11/11/95 LAST NM 49/99 52/99
Add Light symbol 8°28′N 93°37′E
(13(275)98 Dehra Dun; BA LL)

707 (INT 707) 2Ed. 11/11/95 LAST NM 52/99 8/01
Delete Depth 1097 meters 4°28′N 72°45′E
Add Depth 185 meters enclosed by depth contour (200-meter) 4°26′N 72°40′E
(11(1037)99 Taunton)

707 (INT 707) 2Ed. 11/11/95 LAST NM 8/01 34/03
Delete Light 12°11′S 96°49′E
R Bn (AERO) 12°09′S 96°49′E
(14(398)00 Wollongong; BA RA)

707 (INT 707) 2Ed. 11/11/95 LAST NM 34/03 44/03
Add Depth 1737 meters enclosed by depth contour (2000-meter) 7°58′N 74°35′E
(NTM0030/2003)

707 (INT 707) 2Ed. 11/11/95 LAST NM 44/03 14/06
Add Depth 554 meters 2°41′N 95°04′E
Depth 280 meters 4°43′N 93°41′E
Depth 577 meters 4°27′N 94°28′E
Depth 393 meters 4°34′N 93°23′E
Depth 774 meters 3°55′N 93°45′E
(41(399)05 Jakarta)

707 (INT 707) 2Ed. 11/11/95 LAST NM 14/06 19/08
Add Depth 69 meters “Rep (2001)” [I3.2] 6°31′S 104°46′E
(5(523)08 Taunton)

707 (INT 707) 2Ed. 11/11/95 LAST NM 19/08 24/09
Substitute Depth 271 meters for 442 meters 7°30′N 72°59′E
(50(6783)08 Taunton)

★**708** (INT 708) 3Ed. 12/30/95 NEW EDITION 22/96
Delete Depth 900 meters 32°04′S 96°17′E
(Previously published 19/96)
Add Depth 686 meters 32°01′S 96°21′E
(Previously published 19/96)
(DMA)

708 (INT 708) 3Ed. 12/30/95 LAST NM 22/96 4/97
Add Submarine cable joining 16°28′S 117°30′E
16°05′S 116°57′E
15°46′S 113°53′E
15°20′S 112°41′E
14°45′S 112°10′E
14°16′S 111°28′E
13°06′S 110°16′E
12°01′S 108°47′E
11°20′S 108°18′E
10°46′S 107°59′E
10°25′S 107°05′E
9°48′S 105°57′E
9°47′S 105°45′E
9°34′S 105°40′E
9°25′S 105°25′E
9°10′S 104°56′E
8°58′S 104°46′E
8°05′S 104°43′E
7°49′S 104°34′E
7°35′S 104°31′E
6°55′S 104°28′E
6°27′S 105°00′E
6°17′S 105°18′E
(35(588)96 Wollongong)

708 (INT 708) 3Ed. 12/30/95 LAST NM 4/97 18/99
Delete Light symbol 32°57′S 115°40′E
(2(84)99 Wollongong)

708 (INT 708) 3Ed. 12/30/95 LAST NM 18/99 20/99
Add Danger circle “Obstn” 7°20′S 116°15′E
(26(2286)98 Taunton)

708 (INT 708) 3Ed. 12/30/95 LAST NM 20/99 34/03
Delete Light 12°12′S 96°50′E
RC (Aero) 12°09′S 96°49′E
(14(398)00 Wollongong; BA RA)

708 (INT 708) 3Ed. 12/30/95 LAST NM 34/03 36/03
Delete RC (Aero) 24°53′S 113°40′E
(BA RA)

708 (INT 708) 3Ed. 12/30/95 LAST NM 36/03 19/08
Add Depth 69 meters "Rep (2001)" [I3.2] 6°31′S 104°46′E
(5(523)08 Taunton)

★**708** (INT 708) 3Ed. 12/30/95 LAST NM 19/08 18/09
Add "Depths to 115m rep (2008)" area bound by dashed-line circle, radius 10 miles, centered 11°24′S 104°59′E
(NTM0009/2009)

★**709** (INT 709) 2Ed. 2/10/96 NEW EDITION 16/96
Delete R Bn (AERO) 33°40′S 121°48′E
(DMA)

709 (INT 709) 2Ed. 2/10/96 LAST NM 16/96 15/97
Substitute Depth 14 meters for dangerous submerged rock 40°24′S 144°05′E
(3(81)97 Wollongong)

709 (INT 709) 2Ed. 2/10/96 LAST NM 15/97 18/99
Delete Light symbol 32°57′S 115°40′E
(2(84)99 Wollongong)

709 (INT 709) 2Ed. 2/10/96 LAST NM 18/99 50/02
Add Light symbol [P1] 32°23′S 133°29′E
Light symbol [P1] 35°04′S 136°12′E
(16(504), 21(664)02 Wollongong)

709 (INT 709) 2Ed. 2/10/96 LAST NM 50/02 19/03
Delete R Bn (AERO) 34°57′S 138°33′E
R Bn (AERO) 39°52′S 143°53′E
(BA RA)

709 (INT 709) 2Ed. 2/10/96 LAST NM 19/03 25/03
Add Light symbol [P1] 37°54′S 140°23′E
(6(204)03 Wollongong)

709 (INT 709) 2Ed. 2/10/96 LAST NM 25/03 13/07
Add Depth 91 meters, blue tint and enclosed by dotted-line circle 35°26′S 134°40′E
(NTM0014/2006)

709 (INT 709) 2Ed. 2/10/96 LAST NM 13/07 24/07
Delete Depth 60 meters R 41°22′S 144°21′E
Depth 120 meters R 41°49′S 144°24′E
Depth 68 meters 42°41′S 144°51′E
(NTM0011/2007)

709 (INT 709) 2Ed. 2/10/96 LAST NM 24/07 35/07
Add Depth 18 meters "Rep (1966)", blue tint and enclosing depth contour (30-meter) centered 34°47′S 121°56′E
(NTM0011/2007)

★**800** 4Ed. 8/3/96 NEW EDITION 37/96
(DMA)

800 4Ed. 8/3/96 LAST NM 37/96 50/96
Add Wreck (PA) 56°49′N 162°36′W
(45/96 CG17)

800 4Ed. 8/3/96 LAST NM 50/96 4/01
Delete Depth 2.7 meters "(rep 1851)" (ED) 64°15′N 178°00′W
(NTM0055/2000)

800 4Ed. 8/3/96 LAST NM 4/01 7/01
Delete R Bn 66°01′N 169°43′W
R Bn 65°28′N 171°04′W
(43(7170, 7171)00 St. Petersburg)

800 4Ed. 8/3/96 LAST NM 7/01 40/01
Add Wreck [K29] 58°56′N 175°53′W
(32/01 CG17)

800 4Ed. 8/3/96 LAST NM 40/01 17/02
Delete R Bn 57°11′N 170°22′W
(NOS)

800 4Ed. 8/3/96 LAST NM 17/02 15/04
Delete R Bn 64°24′N 172°15′W
R Bn 64°20′N 173°34′W
(34(5550, 5551)03 St. Petersburg)

800 4Ed. 8/3/96 LAST NM 15/04 20/04
Delete R Bn 54°44′N 162°07′E
(36(5870)03 St. Petersburg)

800 4Ed. 8/3/96 LAST NM 20/04 28/05
Add Superbuoy ODAS [Q58] "46073" Y, Fl(4) Y 20s 54°57′N 172°02′W
(NOS)

★**800** 4Ed. 8/3/96 LAST NM 28/05 17/09
Add Depth 27 meters 79°09′N 162°12′W
(NTM0020/2009)

800 4Ed. 8/3/96 LAST NM 17/09 31/09
Delete Depth 27 meters 79°09′N 162°12′W
(Cancels 17/09-800)

Add Depth 27 meters 72°09′N 162°12′W
(NTM0020/2009)

★**803** 1Ed. 6/12/67 NEW CHART 41/67
(USNOO)

803 1Ed. 6/12/67 LAST NM 41/67 48/67
Add R Bn 64°24′N 172°20′W
65°04′N 172°10′W
65°32′N 171°04′W
66°02′N 169°49′W
66°09′N 169°50′W
(RS07549/67)

★**803** 1Ed. 6/12/67 LAST NM 48/67 8/68
Add Depth 78 fathoms "Rep (1968)" 61°48′N 50°43′W
(RS09851/68)

803 1Ed. 6/12/67 LAST NM 8/68 20/68
Add R Bn 69°17′N 53°30′W
(12(467)68 Kobenhavn)

★**803** 1Ed. 6/12/67 LAST NM 20/68 8/69
Add Depth 4 fathoms "Rep 1969" (PA) 70°57′N 150°32′W
(C & GS CL-102/69)

★**803** 1Ed. 6/12/67 LAST NM 8/69 18/69
Add Depth 15 fathoms 53°19′N 135°40′W
(RS7562/69)

803 1Ed. 6/12/67 LAST NM 18/69 27/70
Add Depth
13 fathoms 70°39′N 132°29′W
27 fathoms 74°30′N 101°19′W
(RS6617/70)

803 1Ed. 6/12/67 LAST NM N27/70 N38/71
Add Depth 120 fathoms 52°40′N 172°20′W
(RS9546/71)

803 1Ed. 6/12/67 LAST NM N38/71 N1/72
Add Depth 275 fathoms 61°23′N 50°21′W
(RS4190/71)

★**803** 1Ed. 6/12/67 LAST NM 1/72 2/72
Delete R Bn (AERO) 70°10′N 146°51′W
(NOS CL-1810/71)

803 1Ed. 6/12/67 LAST NM 2/72 27/73
Add Depth 8 fathoms 62°27′N 50°55′W
(BA CH 247)

★**803** 1Ed. 6/12/67 LAST NM 27/73 32/74
Add Danger circle "Pinnacle Rep (1974)" 57°40′N 173°20′W
(NOS CL589/74)

803 1Ed. 6/12/67 LAST NM 32/74 21/75
Delete R Bn 66°00′N 53°30′W
(13(526)75 Kobenhavn)

803 1Ed. 6/12/67 LAST NM 21/75 33/75
Delete Aero R Bn 70°31′N 68°19′W
(27/75 CG1)

803 1Ed. 6/12/67 LAST NM 33/75 7/77
Add Depth 18 fathoms 76°41.0′N 70°14.7′W
(RS1036/77)

803 1Ed. 6/12/67 LAST NM 7/77 12/79
Add Depth 288 fathoms 54°07.0′N 149°21.2′W
(NVS3930/79)

803 1Ed. 6/12/67 LAST NM 12/79 32/80
Add Dangerous wreck (PA) 56°35′N 159°57′W
(27/80 CG17)

803 1Ed. 6/12/67 LAST NM 32/80 35/80
Add Depth 12 fathoms (PA) 63°43′N 172°45′W
(27(1477)80 Taunton)

803 1Ed. 6/12/67 LAST NM 35/80 8/81
Delete R Bn 66°09′N 169°50′W

Add R Bn 65°49′N 169°05′W
(1(29)81 Taunton)

803 1Ed. 6/12/67 LAST NM 8/81 47/83
Add Depths
85 fathoms "Rep (1982)" (PA) 75°11′N 59°29′W
63 fathoms "Rep (1982)" (PA) 75°21′N 60°10′W
70 fathoms "Rep (1982)" (PA) 75°54′N 62°04′W
175 fathoms "Rep (1982)" (PA) 75°27′N 67°54′W
55 fathoms "Rep (1982)" (PA) 62°06′N 50°21′W
175 fathoms "Rep (1982)" (PA) 74°46′N 59°19′W
45 fathoms "Rep (1982)" (PA) 77°37′N 72°19′W
23 fathoms "Rep (1982)" (PA) 77°44′N 71°56′W
30 fathoms "Rep (1982)" (PA) 64°19′N 53°32′W
(NVS7095/83)

803 1Ed. 6/12/67 LAST NM 47/83 26/84
Add Depths
94 fathoms "Rep (1976)" (PA) 57°44′N 149°58′W
121 fathoms "Rep (1976)" (PA) 52°09′N 131°34′W
(NVS7272/84)

803 1Ed. 6/12/67 LAST NM 26/84 38/84
Add Depth 87 fathoms "Rep (1981)" 72°33′N 59°09′W
(NVS7295/84)

803 1Ed. 6/12/67 LAST NM 38/84 41/84
Delete R Bn (Aero) 58°30′N 62°45′W
63°20′N 64°10′W

Add Depths
166 fathoms 61°05′N 63°50′W
54 fathoms 76°14′N 79°15′W
(Can CH 4000)

803 1Ed. 6/12/67 LAST NM 41/84 42/84
Delete R Bns 53°31′N 55°45′W
54°28′N 56°56′W
55°13′N 59°08′W
(27(601, 608, 614)84 Ottawa)

803 1Ed. 6/12/67 LAST NM 42/84 17/85
Delete R Bn (AERO) 59°28′N 146°18′W
(13/85 CG17)

803 1Ed. 6/12/67 LAST NM 17/85 36/85
Delete R Bn (AERO) 76°32′N 68°45′W
(29(1866)85 Taunton)

★**803** 1Ed. 6/12/67 LAST NM 36/85 37/85
Add Depths
159 fathoms 75°05′N 66°11′W
76 fathoms 75°32′N 65°40′W
(HNNM7551/85)

803 1Ed. 6/12/67 LAST NM 37/85 10/87
Delete Islet 78°39′N 71°00′W
(50(1275)86 Ottawa)

803 1Ed. 6/12/67 LAST NM 10/87 49/88
Delete Depth 10 fathoms and
enclosing danger circle 74°52′N 100°38′W
(39(742)88 Ottawa)

803 1Ed. 6/12/67 LAST NM 49/88 32/89
Substitute Depth 8 fathoms for 15 fathoms 53°19′N 135°40′W
(MCNM1082/89)

803 1Ed. 6/12/67 LAST NM 32/89 11/91
Add Submarine cable joining 59°50′N 149°28′W
59°28′N 149°12′W
59°00′N 148°47′W
58°55′N 148°38′W
58°53′N 148°33′W
58°52′N 148°31′W
58°41′N 148°11′W
58°39′N 148°05′W
(7/91 CG17)

803 1Ed. 6/12/67 LAST NM 11/91 47/91
Substitute Depth 365 fathoms for 462 fathoms 50°55′N 143°20′W
(MCNM1142/91)

803 1Ed. 6/12/67 LAST NM 47/91 33/92
Delete R Bn (AER0) 68°26.0′N 66°45.0′W
(27(489)92 Ottawa)

803 1Ed. 6/12/67 LAST NM 33/92 21/94
Substitute Purple international maritime boundary
line for dashed line and legend
"UNITED...(1867)" joining 70°52′N 168°59′W
65°30′N 168°59′W
64°18′N 171°38′W
63°25′N 173°30′W

Add Purple international maritime boundary
line between 74°02′N 168°59′W
70°52′N 168°59′W

Legend
"RUSSIA" 69°25′N 169°12′W
"UNITED STATES (see note)" 69°25′N 168°32′W

Note
"NOTE
Maritime boundary provisionally applied
pending formal exchange of instruments
of ratification." 66°00′N 157°00′W
(MCC1339/94)

803 1Ed. 6/12/67 LAST NM 21/94 30/94
Delete R Bn 51°38′N 55°33′W
(11(389)94 Ottawa)

803 1Ed. 6/12/67 LAST NM 30/94 32/95
Delete R Bn 55°59′N 134°10′W
58°15′N 136°37′W
(25/95 CG17)

803 1Ed. 6/12/67 LAST NM 32/95 50/96
Add Wreck (PA) 56°49′N 162°36′W
(45/96 CG17)

803 1Ed. 6/12/67 LAST NM 50/96 25/97
Delete R Bn 50°26′N 128°10′W
(5(329)97 Ottawa)

803 1Ed. 6/12/67 LAST NM 25/97 51/97
Delete R Bn 54°15′N 133°03′W
(10(W521)97 Ottawa)

803 1Ed. 6/12/67 LAST NM 51/97 29/98
Delete R Bn (AERO) 70°55′N 153°05′W
70°28′N 149°54′W

Add R Bn (AERO) 71°17′N 156°48′W
(NOS)

803 1Ed. 6/12/67 LAST NM 29/98 42/98
Delete R Bn 60°18′N 146°39′W
(37/98 CG17)

803 1Ed. 6/12/67 LAST NM 42/98 7/01
Delete R Bns (2) in vicinity 66°01′N 169°43′W
R Bn 65°28′N 171°04′W
(43(7170, 7171)00 St. Petersburg)

803 1Ed. 6/12/67 LAST NM 7/01 13/01
Delete R Bn 65°04′N 172°06′W
(44(7355)00 St. Petersburg)

803 1Ed. 6/12/67 LAST NM 13/01 8/02
Delete R Bn 50°47′N 128°26′W
(Can LL)

803 1Ed. 6/12/67 LAST NM 8/02 17/02
Delete R Bn 57°09′N 170°14′W
(NOS)

803 1Ed. 6/12/67 LAST NM 17/02 15/04
Delete R Bn 64°24′N 172°15′W
(34(5550)03 St. Petersburg)

803 1Ed. 6/12/67 LAST NM 15/04 28/05
Add Superbuoy ODAS [Q58] "46073" Y,
Fl(4) Y 20s 54°57′N 172°02′W
(NOS)

803 1Ed. 6/12/67 LAST NM 28/05 10/06
Add Danger circle [K1] "Subm buoy (cov 10
fathoms 5 feet)" 50°02′N 144°56′W
(NTM0010/2006)

803 1Ed. 6/12/67 LAST NM 10/06 51/06
Delete R Bn 62°32′N 70°30′W
(3(4000)06 Ottawa)

803 1Ed. 6/12/67 LAST NM 51/06 34/07
Delete R Bn 60°42′N 64°38′W
(2(4700)07 Ottawa)

★**803** 1Ed. 6/12/67 LAST NM 34/07 40/07
Add Depth 506 fathoms "Healy Seamount" 78°37′N 158°21′W
(36/07 CG17)

803 1Ed. 6/12/67 LAST NM 40/07 3/08
Delete Depth 8 fathoms 53°19′N 135°40′W

Add Depth 13 fathoms 53°18′N 135°39′W
(NOS)

803 1Ed. 6/12/67 LAST NM 3/08 17/09
Add Depth 65 fathoms 69°21′N 56°13′W
(NTM0020/2009)

803 1Ed. 6/12/67 LAST NM 17/09 26/09
Add Depth 450 fathoms enclosed by dashed-line
circle "Rep (2009)" 54°24′N 134°24′W
(NTM0005/2009)

803 1Ed. 6/12/67 LAST NM 26/09 31/09
Add Depth 14 fathoms 72°09′N 162°12′W
(NTM0020/2009)

803 1Ed. 6/12/67 LAST NM 31/09 32/09
Add Superbuoy ODAS [Q58] "46066" Y,
Fl(4) Y 20s 52°44′N 154°58′W
(27/09 CG17)

★**804** 5Ed. 4/13/96 NEW EDITION 26/96
(DMA)

804 5Ed. 4/13/96 LAST NM 26/96 40/05
Delete Depth 34 fathoms 69°34′N 41°02′E
(NTM0033/2005)

804 5Ed. 4/13/96 LAST NM 40/05 4/08
Add Depth 681 fathoms "Rep (2007)" 72°17′N 0°39′W
(NTM0002/2008)

★**805** Ed. 3/5/82 NEW EDITION N37/82
(DMAHTC)

805 Ed. 3/5/82 LAST NM N37/82 N3/83
Add Note in lower left margin of chart
"WARNING
Mariners may find port hand buoys
painted black or green and fairway
buoys painted black and white or
red and white. In both cases, either
presentation is to be interpreted as
having the same navigational
significance."
(50(1088)82 Ottawa)

805 Ed. 3/5/82 LAST NM N3/83 N47/83
Add Depths
320 meters "Rep (1982)" (PA) 75°27′N 67°54′W
320 meters "Rep (1982)" (PA) 74°46′N 59°19′W
(NVS7095/83)

805 Ed. 3/5/82 LAST NM N47/83 N38/84
Add Depth 159 meters "Rep (1981)" 72°33′N 59°09′W
(NVS7295/84)

805 Ed. 3/5/82 LAST NM N38/84 N42/84
Delete R Bns 53°31.2′N 55°45.1′W
54°28.3′N 56°56.4′W
55°13.4′N 59°08.8′W
(27(601, 608, 614)84 Ottawa)

805 Ed. 3/5/82 LAST NM N42/84 N4/85
Add Depths
16 fathoms 5 feet "Rep (1984)"
73°47′21.0″N 58°37′27.6″W
14 fathoms "Rep (1984)" 74°01′24.0″N 58°42′12.0″W
(36(859)84 Ottawa)

805 Ed. 3/5/82 LAST NM N4/85 N17/85
Substitute Depth 10 meters for 13 meters 51°41′40″N 54°58′16″W
(9(276)85 Ottawa)

805 Ed. 3/5/82 LAST NM N17/85 N41/85
Add Note
"CAUTION
Extensive hydrocarbon exploration is
underway on the waters off the east
coast of Canada. Mariners are
cautioned that drilling platforms,
supply vessels or seismic survey vessels
may be encountered underway or at
anchor. Information regarding the
latest positions of these vessels may be
obtained upon request from ECAREG
CANADA." 62°00′N 104°00′W
(34(818)85 Ottawa)

805 Ed. 3/5/82 LAST NM N41/85 N51/85
Delete Note "MAGNETIC...Arctic." 56°15′00″N 70°30′00″W
(46(1095)85 Ottawa)

805 Ed. 3/5/82 LAST NM N51/85 N27/86
Delete R Bn at lights 61°18′33″N 64°53′17″W
61°32′00″N 70°33′35″W
62°36′28″N 73°56′12″W
63°05′10″N 77°57′00″W
62°25′00″N 79°36′30″W
61°35′00″N 79°48′30″W
62°10′20″N 83°08′00″W
(22(529-535)86 Ottawa)

805 Ed. 3/5/82 LAST NM N27/86 N16/87
Delete Submerged rock 59°31′N 63°15′W
(41(1026)87 Ottawa)

805 Ed. 3/5/82 LAST NM N16/87 N30/87
Delete R Bn at lights 52°00.8′N 55°16.9′W
50°00.0′N 55°21.5′W
(23(385, 387)87 Ottawa)

805 Ed. 3/5/82 LAST NM N30/87 N33/92
Delete R Bn (AER0) 68°26.0′N 66°45.0′W
(27(489)92 Ottawa)

805 Ed. 3/5/82 LAST NM N33/92 N10/95
Delete Purple circle in vicinity 59°58′N 45°06′W
(2(156)95 Kobenhavn)

805 Ed. 3/5/82 LAST NM N10/95 N29/98
Delete R Bn (AERO) 70°55′N 153°05′W
70°30′N 149°55′W
(NOS)

805 Ed. 3/5/82 LAST NM N29/98 N51/06
Delete Light and R Bn 62°32′N 70°34′W
(3(4000)06 Ottawa)

805 Ed. 3/5/82 LAST NM N51/06 N34/07
Delete Light symbol and R Bn 60°42′N 64°38′W
(2(4700)07 Ottawa)

805 Ed. 3/5/82 LAST NM N34/07 N36/07
Delete Light symbol 61°18′N 64°52′W
(12(5002)06 Ottawa)

805 Ed. 3/5/82 LAST NM N36/07 N40/07
Add Depth 925 meters "Healy Seamount" 78°37′N 158°21′W
(36/07 CG17)

805 Ed. 3/5/82 LAST NM N40/07 N5/08
Delete R Bn (AERO) 69°06′N 105°05′W
(11(7082)07 Ottawa)

805 Ed. 3/5/82 LAST NM N5/08 N24/08
Delete Legend "Aero" from radiobeacon 58°27′N 78°05′W
(7(4000)06 Ottawa)

805 Ed. 3/5/82 LAST NM N24/08 N17/09
Add Depth 120 meters 69°21′N 56°13′W
(NTM0020/2009)

★1113A Ed. 7/05 NEW EDITION 39/05
(NOS)

1113A Ed. 7/05 LAST NM 39/05 42/05
Substitute Stranded wreck [K24] (PA) for wreck 26°20.7′N 81°54.2′W
(NOS)

1113A Ed. 7/05 LAST NM 42/05 44/05
Add Light "P" Fl Y 4s 16ft 8M (Priv) 27°35.7′N 82°51.5′W
(31/05 CG7)

1113A Ed. 7/05 LAST NM 44/05 3/06
Add Danger circle [K46.1] "Obstn (Fish Haven)"
26°48.4′N 82°22.7′W
(NOS)

1113A Ed. 7/05 LAST NM 3/06 27/06
Relocate Buoy "1" from 27°32.5′N 82°47.9′W to
27°32.3′N 82°48.6′W
(16/06 CG7)

1113A Ed. 7/05 LAST NM 27/06 28/06
Delete "RESTRICTED AREA" bound by shore and
purple composite line joining 23°05.6′N 81°28.5′W
23°08.3′N 81°30.0′W
23°15.0′N 81°20.5′W
23°18.5′N 81°11.0′W
23°14.5′N 81°07.3′W
23°11.9′N 81°07.3′W

Add "Area to be avoided" (conservation area)
[M29.2] bound by shore and purple composite
line joining 23°05.6′N 81°28.5′W
23°10.6′N 81°28.5′W
23°19.5′N 81°11.5′W
23°14.6′N 81°07.2′W
23°11.5′N 81°07.2′W
(NOS)

1113A Ed. 7/05 LAST NM 28/06 33/06
Delete Depth 4 1/4 fathoms 26°22.6′N 82°01.5′W

Add Obstruction "(Fish haven) (auth min 2 1/4fms)"
[K46.2] 26°23.0′N 82°01.2′W
(NOS)

1113A Ed. 7/05 LAST NM 33/06 42/06
Delete Light 25°58.5′N 81°44.1′W
(31/06 CG7)

1113A Ed. 7/05 LAST NM 42/06 47/06
Change Light to Q 16ft 5M 25°58.3′N 81°46.3′W
(32/06 CG7)

1113A Ed. 7/05 LAST NM 47/06 17/07
Add Dangerous wreck [K28] 26°58.9′N 82°25.8′W
(13/07 CG7)

1113A Ed. 7/05 LAST NM 17/07 24/07
Add Submarine cable [L30.1] joining 24°31.8′N 80°26.0′W
24°30.6′N 80°27.4′W
24°25.5′N 80°31.0′W
24°20.4′N 80°33.0′W
24°02.6′N 80°57.2′W
24°00.8′N 81°00.0′W
23°59.3′N 81°02.7′W
(NTM0002/2002)

1113A Ed. 7/05 LAST NM 24/07 35/07
Add Superbuoy ODAS "42080" Y, Fl(4) Y 20s
24°23.3′N 81°56.9′W
(32/07 CG7)

1113A Ed. 7/05 LAST NM 35/07 4/08
Change Shape of buoy "N" to nun 24°38.3′N 82°47.2′W
(46/07 CG7)

1113A Ed. 7/05 LAST NM 4/08 28/08
Change Light to "22" QR 18ft 6M 24°34.1′N 81°19.5′W
(25/08 CG7)

1113A Ed. 7/05 LAST NM 28/08 39/08
Delete Dangerous wreck (PA) 27°09.3′N 82°53.2′W

Add Danger circle [K46.2] "Obstns (Fish haven)
(auth min 6 1/2 fms)" 27°09.5′N 82°53.2′W
(NOS)

1113A Ed. 7/05 LAST NM 39/08 46/08
Add Danger circle [K46.2] "Obstn (Fish haven)
(auth min 5 1/2fms)" 27°02.0′N 82°43.5′W

Danger circle [K46.2] "Obstn (Fish haven)
(auth min 5fms)" 27°04.3′N 82°42.1′W

Depth 5 fathoms Obstn [K41] 27°01.9′N 82°42.5′W
(NOS)

1113A Ed. 7/05 LAST NM 46/08 49/08
Change Legend "Obstn (8 fms)" to "Obstns (8 fms)" at danger circle 27°03.7′N 82°35.7′W

Add Danger circle [K40] "Obstn (4 1/4 fms rep)" 27°15.2′N 82°48.0′W
Danger circle [K40] "Obstn (5 1/2 fms)" 27°13.0′N 82°43.5′W
(NOS)

1113A Ed. 7/05 LAST NM 49/08 7/09
Add Buoy "C10" Y, Fl Y 12s (Priv) 27°10.2′N 82°55.6′W
Buoy "C12" Y, Fl Y 12s (Priv) 27°29.9′N 83°43.3′W
Buoy "C13" Y, Fl Y 12s (Priv) 26°03.3′N 83°04.4′W
Buoy "C17" Y, Fl Y 12s (Priv) 25°15.3′N 82°13.2′W
(52/08 CG7)

1113A Ed. 7/05 LAST NM 7/09 16/09
Add Danger circle [K46.1] "Obstn (Fish haven)" 26°59.0′N 82°42.8′W
(NOS)

1113A Ed. 7/05 LAST NM 16/09 23/09
Add Depth 8 1/2 fathoms 23°15.6′N 80°38.0′W
(NTM0024/2009)

1113A Ed. 7/05 LAST NM 23/09 24/09
Add Depth 7 fathoms 27°35.5′N 83°04.6′W
Depth 9 1/4 fathoms 27°35.7′N 83°11.1′W
Depth 9 1/2 fathoms 27°33.9′N 83°10.9′W
Depth 12 fathoms 27°32.5′N 83°14.5′W
Depth 16 fathoms 27°27.7′N 83°26.7′W
Depth 11 1/4 fathoms 27°34.6′N 83°08.9′W
(NTM0023/2009)

1113A Ed. 7/05 LAST NM 24/09 29/09
Change Legend to "Obstn (2 fms)" at obstruction area 27°06.1′N 82°29.0′W
Legend to "Obstns (7 fms rep)" at danger circle 26°52.2′N 82°26.4′W
Legend to "Obstns (5 fms)" at danger circle 26°55.1′N 82°27.9′W

Add Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7 fms)" 26°52.1′N 82°26.9′W
(NOS)

1113A Ed. 7/05 LAST NM 29/09 31/09
Relocate Superbuoy ODAS "42080" from 24°23.3′N 81°56.9′W to 24°23.8′N 81°56.0′W
(27/09 CG7)

1113A Ed. 7/05 LAST NM 31/09 33/09
Relocate Light "LP" from 27°26.0′N 82°42.0′W to 27°25.8′N 82°41.8′W
(29/09 CG7)

★1114A Ed. 1/06 NEW EDITION 11/06
Add Dangerous wreck [K28] 27°40.2′N 82°57.7′W
(Previously published 8/06)
(NOS)

1114A Ed. 1/06 LAST NM 11/06 27/06
Relocate Buoy "1" from 27°32.5′N 82°47.9′W to 27°32.3′N 82°48.6′W
(16/06 CG7)

1114A Ed. 1/06 LAST NM 27/06 28/06
Add Depth 5 3/4 fathoms Wk [K26] 29°12.0′N 83°52.0′W
(17/06 CG7)

1114A Ed. 1/06 LAST NM 28/06 39/06
Delete Buoy "30" 29°28.5′N 85°29.8′W
(36/06 CG8)

1114A Ed. 1/06 LAST NM 39/06 32/07
Add Dangerous wreck [K28] (PA) 29°46.1′N 83°58.2′W
(26/07 CG8)

1114A Ed. 1/06 LAST NM 32/07 6/08
Delete Buoy "1" 29°33.5′N 84°58.1′W
(51/07 CG8)

1114A Ed. 1/06 LAST NM 6/08 31/08
Add Danger circle [K46.2] "Obstn (Fish Haven) (auth min 7 3/4 fms)" 27°41.7′N 83°17.5′W
(NOS)

1114A Ed. 1/06 LAST NM 31/08 48/08
Delete Buoy 27°51.4′N 83°01.8′W
Buoy 27°51.9′N 83°01.8′W
Buoy 27°50.9′N 83°01.8′W
Legend "Priv aids" 27°53.2′N 83°02.6′W
(7/07 CG7)

1114A Ed. 1/06 LAST NM 48/08 51/08
Add Danger circle "Fish haven (auth min 4 1/2 fms)" [K46.2] 29°39.6′N 84°30.0′W
(NOS)

1114A Ed. 1/06 LAST NM 51/08 7/09
Add Buoy "C12" Y, Fl Y 12s (Priv) 27°29.9′N 83°43.3′W
Buoy "C16" Y, Fl Y 12s (Priv) 27°27.5′N 84°13.1′W
(52/08 CG7)

1114A Ed. 1/06 LAST NM 7/09 8/09
Add Buoy "C14" Y, Fl Y 12s (Priv) 28°18.6′N 83°18.3′W
(52/08 CG7)

1114A Ed. 1/06 LAST NM 8/09 22/09
Add Light Fl 6s 76ft (Priv) 29°39.8′N 84°51.8′W
(17/09 CG8)

1114A Ed. 1/06 LAST NM 22/09 24/09
Add Depth 7 fathoms 27°35.5′N 83°04.6′W
Depth 9 1/4 fathoms 27°35.7′N 83°11.1′W
Depth 9 1/2 fathoms 27°33.9′N 83°10.9′W
Depth 12 fathoms 27°32.5′N 83°14.5′W
Depth 16 fathoms 27°27.7′N 83°26.7′W
Depth 11 1/4 fathoms 27°34.6′N 83°08.9′W
(NTM0023/2009)

1114A Ed. 1/06 LAST NM 24/09 30/09
Change Legend to "Obstn (Fish Haven) (auth min 3 1/2 fms)" 27°43.4′N 82°58.5′W
Legend to "Obstn (Fish Haven) (auth min 3 1/2 fms)" 28°03.0′N 83°00.7′W
(NOS)

★1115A Ed. 11/08 NEW EDITION 3/09
Add Submerged well (cov 29fms) [L20] 29°26.0′N 88°34.5′W
(Previously published 49/08)

Delete Buoy (mooring) 28°41.7′N 89°28.0′W
(Previously published 51/08)

Add Buoy (mooring) [Q40] 28°39.9′N 89°27.3′W
(Previously published 51/08)
(NOS)

1115A Ed. 11/08 LAST NM 3/09 4/09
Add Submarine pipeline [L40.1] between 29°28.5′N 88°40.5′W
29°27.7′N 88°39.1′W
(NOS)

1115A Ed. 11/08 LAST NM 4/09 5/09
Add Submarine pipeline [L40.1] between 29°32.8′N 88°21.9′W
29°34.7′N 88°21.3′W
(NOS)

1115A Ed. 11/08 LAST NM 5/09 10/09
Relocate Superbuoy ODAS "42040" from 29°11.1′N 88°12.8′W to 29°12.3′N 88°12.3′W

Superbuoy ODAS "42039" from 28°47.7′N 86°01.3′W to 28°47.5′N 86°00.5′W
(6/09 CG8)

1115A Ed. 11/08 LAST NM 10/09 12/09
Add Platform [L10] 28°16.0′N 88°23.9′W
(8/09 CG8)

1115A Ed. 11/08 LAST NM 12/09 13/09
Substitute Platform [L10] for submerged well (cov 29fms)
29°26.0′N 88°34.5′W
(See 3/09-1115A)
(9/09 CG8)

1115A Ed. 11/08 LAST NM 13/09 15/09
Add Submarine pipeline [L40.1] between 29°29.8′N 88°19.5′W
29°34.7′N 88°21.5′W
(NOS)

1115A Ed. 11/08 LAST NM 15/09 16/09
Add Submarine pipeline [L40.1] joining 29°35.4′N 88°05.2′W
29°32.8′N 87°56.4′W
29°35.1′N 87°53.7′W
(NOS)

1115A Ed. 11/08 LAST NM 16/09 25/09
Delete Buoy 29°16.9′N 88°48.5′W

Buoy 29°16.6′N 88°40.2′W
Note: Platform remains

Buoy 29°16.2′N 88°33.8′W
Buoy 29°21.9′N 88°16.8′W

Add Buoy Y (Priv) 30°01.0′N 85°42.2′W
(16, 21/09 CG8)

1115A Ed. 11/08 LAST NM 25/09 31/09
Add Caution note
"MISSISSIPPI RIVER GULF OUTLET
CAUTION
Vessels are no longer able to transit the Mississippi River Gulf Outlet Channel near Mile 36.0 (29°46.9′N 89°32.3′W). Rocks have been placed at a 3-foot elevation across the channel to give mariners a visible sign that the outlet is closed." 29°41.3′N 89°01.2′W

Submarine pipeline [L40.1] between 29°36.3′N 88°40.5′W
29°37.7′N 88°40.2′W

Submarine pipeline [L40.1] joining 28°20.5′N 88°15.9′W
28°19.6′N 88°13.4′W
28°18.5′N 88°12.1′W
(NOS; 23/09 CG8)

1115A Ed. 11/08 LAST NM 31/09 32/09
Delete HORN from light 28°54.4′N 89°25.7′W
(28/09 CG8)

1115A Ed. 11/08 LAST NM 32/09 33/09
Add Submarine pipeline [L40.1] joining 28°56.3′N 88°54.7′W
28°58.1′N 88°54.7′W
28°59.0′N 88°55.0′W

Submarine pipeline [L40.1] joining 28°13.0′N 88°29.8′W
28°11.5′N 88°29.7′W
28°09.8′N 88°29.0′W

Submarine pipeline [L40.1] joining 28°12.0′N 88°30.5′W
28°11.5′N 88°29.7′W
28°10.5′N 88°29.6′W
(NOS)

★1116A Ed. 8/08 NEW EDITION 39/08
Delete Platform 28°54.6′N 93°08.3′W
(Previously published 38/08)

Add Submarine pipeline [L40.1] between 28°07.3′N 93°22.1′W
28°08.9′N 93°21.6′W

Submarine pipeline [L40.1] joining 27°41.5′N 92°05.0′W
27°42.6′N 92°00.4′W
27°44.0′N 91°59.6′W
(Previously published 38/08)

Add Submarine pipeline [L40.1] joining 28°07.8′N 92°46.8′W
28°05.4′N 92°41.2′W
28°04.9′N 92°41.1′W
(NOS)

1116A Ed. 8/08 LAST NM 39/08 40/08
Add Submarine pipeline [L40.1] between 28°22.8′N 90°46.5′W
28°27.1′N 90°46.6′W

Danger circle "Obstn" [K40] (PA) 29°00.5′N 90°18.8′W
(NOS; 37/08 CG8)

1116A Ed. 8/08 LAST NM 40/08 41/08
Delete Platform 28°54.6′N 92°05.5′W

Add Danger circle "Obstn" [K40] (PA) 28°44.9′N 91°51.8′W
(38/08 CG8)

1116A Ed. 8/08 LAST NM 41/08 42/08
Delete Platform 28°46.2′N 92°56.5′W
Platform 28°45.8′N 92°55.6′W
Platform 28°34.9′N 92°17.9′W
Platform 28°42.9′N 91°37.9′W
Platform 28°35.0′N 90°53.5′W
Platform 28°33.7′N 90°52.8′W

Add Dashed-line circle "Obstn" (PA) 28°33.2′N 93°29.9′W
Note: Platform remains

Danger circle "Obstn" [K40] (PA) 29°05.3′N 93°06.9′W
Note: Platform close N remains

Dashed-line circle "Obstn" (PA) 28°23.0′N 92°58.5′W
Note: Platforms remain

Dashed-line circle "Obstn" (PA) 28°22.1′N 92°58.1′W

Dashed-line circle "Obstn" (PA) 28°37.5′N 92°53.5′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°09.3′N 92°47.9′W
Note: Platform close NW remains

Dashed-line circle "Obstn" (PA) 28°10.7′N 92°41.8′W

Dashed-line circle "Obstn" (PA) 28°01.5′N 92°41.5′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°02.9′N 92°36.9′W
Dashed-line circle "Obstn" (PA) 28°04.4′N 92°35.5′W

Dashed-line circle "Obstn" (PA) 28°04.4′N 92°32.8′W
Note: Platform close NE remains

Danger circle "Obstn" [K40] (PA) 28°45.8′N 92°35.1′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°27.0′N 92°35.4′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°25.8′N 92°29.4′W
Note: Platform close SE remains

Dashed-line circle "Obstn" (PA) 28°18.3′N 92°26.5′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°14.5′N 92°21.1′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°42.1′N 92°25.8′W
Note: Platform close NW remains

Dashed-line circle "Obstn" (PA) 28°41.4′N 92°24.9′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°30.3′N 92°20.7′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°25.9′N 92°03.8′W
Note: Platform remains

Danger circle "Obstn" [K40] (PA) 29°04.1′N 92°09.6′W

Danger circle "Obstn" [K40] (PA) 28°44.5′N 91°53.4′W
Note: Platform remains

Danger circle "Obstn" [K40] (PA) 28°44.4′N 91°52.2′W
Note: Platform close NW remains

(continued on next page)

1116A (Continued) 42/08

Dashed-line circle "Obstn" (PA) 28°45.1′N 91°51.1′W
Note: Platform close NW remains

Dashed-line circle "Obstn" (PA) 28°28.1′N 91°49.2′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°28.8′N 91°46.1′W
Note: Platform close NE remains

Dashed-line circle "Obstn" (PA) 28°22.7′N 91°46.0′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°20.0′N 91°42.5′W
Note: Platform remains

Danger circle "Obstn" [K40] (PA) 28°46.8′N 91°43.9′W
Note: Platform close NE remains

Dashed-line circle "Obstn" (PA) 28°25.4′N 91°49.7′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 27°56.5′N 91°43.7′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 27°59.6′N 91°39.6′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°13.6′N 91°41.1′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°14.3′N 91°41.8′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°12.1′N 91°39.4′W
Note: Platform close E remains

Dashed-line circle "Obstn" (PA) 28°11.3′N 91°38.2′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°10.0′N 91°29.7′W
Note: Platform close NW remains

Dashed-line circle "Obstn" (PA) 28°03.9′N 91°29.2′W
Note: Platform remains

Danger circle "Obstn" [K40] (PA) 28°57.3′N 91°28.3′W
Dashed-line circle "Obstn" (PA) 28°10.9′N 91°28.0′W
Dashed-line circle "Obstn" (PA) 28°19.6′N 91°25.3′W
Dashed-line circle "Obstn" (PA) 28°08.4′N 91°12.4′W

Dashed-line circle "Obstn" (PA) 28°19.4′N 91°12.3′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°16.7′N 91°08.1′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°02.2′N 90°53.5′W
Note: Platform remains

Danger circle "Obstn" [K40] (PA) 28°31.6′N 90°54.3′W
Note: Platforms remain

Dashed-line circle "Obstn" (PA) 28°30.9′N 90°43.8′W
Note: Platform close NW remains

Dashed-line circle "Obstn" (PA) 28°30.4′N 90°40.8′W
Note: Platform close NW remains

Dashed-line circle "Obstn" (PA) 28°32.4′N 90°26.1′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°35.9′N 90°25.0′W
(39/08 CG8; NTM0005/2007)

1116A Ed. 8/08 LAST NM 42/08 43/08

Delete Dangerous wreck (PA) 28°59.0′N 91°46.0′W
Dangerous wreck (ED) 29°04.3′N 91°42.9′W

Add Dashed-line circle "Obstn" (PA) 28°22.1′N 92°59.1′W
Note: Platform remains

Dashed-line circle "Obstn" (PA) 28°25.5′N 92°37.2′W
Note: Platform close SE remains

Platform [L10] 28°24.6′N 92°36.9′W
Depth 8 ½ fathoms Obstn [K41] 28°59.1′N 91°48.9′W
Danger circle "Obstn" [K40] (PA) 29°01.6′N 91°34.3′W

Dashed-line circle "Obstn" (PA) 28°29.3′N 91°25.3′W
Note: Platform remains

Danger circle "Obstn" [K40] (PA) 28°41.5′N 91°06.6′W
Danger circle "Obstn" [K40] (PA) 28°40.6′N 91°05.6′W
(NOS; 40/08 CG8)

1116A Ed. 8/08 LAST NM 43/08 44/08

Delete Danger circle "Obstn" (PA) 28°46.8′N 91°43.9′W
(See 42/08-1116A)

Add Platform [L10] 29°01.5′N 92°37.0′W
Danger circle "Obstn" [K40] (PA) 28°56.7′N 91°36.8′W
Danger circle "Obstn" [K40] (PA) 29°00.0′N 89°29.4′W
(41/08 CG8)

1116A Ed. 8/08 LAST NM 44/08 45/08

Delete Platform 28°32.7′N 93°56.3′W

Add Submarine pipeline [L40.1] between 28°46.0′N 93°26.9′W
28°47.0′N 93°25.7′W

Danger circle "Obstn" [K40] (PA) 28°12.9′N 92°07.5′W
Note: Well and buoy remain

Platform [L10] 28°25.9′N 91°02.7′W

Dashed-line circle "Discol water" [Ke] (PA)
28°45.2′N 89°52.2′W

Submarine pipeline [L40.1] joining 28°12.3′N 89°37.1′W
28°12.7′N 89°37.2′W
28°13.3′N 89°36.9′W
(NOS; 42/08 CG8)

1116A Ed. 8/08 LAST NM 45/08 46/08

Delete Dashed-line circle "Obstn" (PA) 28°22.1′N 92°59.1′W
Note: Platform remains

Platform 28°35.8′N 92°47.8′W
Note: Danger circle "Obstn" remains

Platform 28°40.5′N 92°47.6′W
Danger circle 28°56.6′N 90°02.0′W
Danger circles (4) in vicinity 28°57.9′N 90°02.0′W
Danger circle "Obstn" (PA) 29°01.8′N 89°59.9′W

Danger circle "Obstn (1 fm rep 1981)" (PA)
29°03.0′N 90°00.0′W
(See 43/08-1116A)

Substitute Depth 11 fathoms Obstn [K41] for danger circle "Obstn" (PA) and dangerous wreck (PA) 28°56.9′N 90°06.8′W

Depth 12 fathoms Obstn [K41] for danger circle "Obstn" (PA) 28°57.9′N 90°04.6′W

Depth 7 ½ fathoms Wk [K26] for danger circle "Obstn" (PA) and dangerous wreck (PA)
29°01.3′N 90°08.4′W

Depth 7 ½ fathoms Obstn [K41] for 7 fathoms
29°01.8′N 90°08.7′W

Add Dashed-line circle "Obstn" (PA) 27°58.0′N 92°57.9′W

Dashed-line circle "Obstn" (PA) 28°23.1′N 92°45.0′W
Note: Platform close NW remains

Depth 11 fathoms Obstn [K41] 28°57.5′N 90°08.1′W
Depth 13 fathoms Obstn [K41] 28°56.0′N 90°05.8′W
Depth 14 fathoms Obstn [K41] 28°56.9′N 90°02.2′W
Depth 13 fathoms Wk [K26] 28°57.9′N 90°02.0′W
Depth 8 fathoms Obstn [K41] 28°58.3′N 90°02.2′W
Depth 8 fathoms Obstn [K41] 29°01.0′N 90°07.0′W
Depth 11 fathoms Obstn [K41] 29°02.1′N 89°59.8′W
Buoy (Priv) 28°41.7′N 89°28.0′W
(NOS; 43/08 CG8)

1116A Ed. 8/08 LAST NM 46/08 47/08

Delete Buoy 28°55.3′N 89°56.4′W

Add Submarine pipeline [L40.1] joining 28°14.5′N 92°21.1′W
28°16.6′N 92°20.5′W
28°19.0′N 92°18.1′W
(NOS; 44/08 CG8)

1116A Ed. 8/08 LAST NM 47/08 48/08
Add Dashed-line circle "Discol water" [Ke] (PA)
28°36.8′N 90°24.1′W

Dashed-line circle "Obstn" (PA) 28°49.9′N 89°47.7′W

Submarine pipeline [L40.1] between 27°37.9′N 90°27.9′W
27°37.5′N 90°26.5′W
(NOS; 45/08 CG8)

1116A Ed. 8/08 LAST NM 48/08 49/08
Change Legend to "Fish Haven (auth min 15 fms)"
28°16.2′N 91°46.9′W

Add Dashed-line circle "Discol water" [Ke] (PA)
28°28.8′N 91°10.0′W

Submerged well (cov 25fms) [L20] 28°29.7′N 90°17.9′W
(NOS; 18/07, 46/08 CG8)

1116A Ed. 8/08 LAST NM 49/08 50/08
Delete Danger circle "Obstn" (PA) 28°56.7′N 89°48.6′W
(47/08 CG8)

1116A Ed. 8/08 LAST NM 50/08 51/08
Delete Buoy (Priv) 28°41.7′N 89°28.0′W
(See 46/08-1116A)

Add Dashed-line circle "Obstn" (PA) 28°35.5′N 93°46.2′W

Submarine pipeline [L40.1] between 28°55.0′N 92°12.1′W
28°54.2′N 92°09.8′W

Dashed-line circle "Obstn (Fish haven) (auth min 14fms)" [K46.2] 28°25.6′N 91°27.8′W

Buoy (mooring) [Q40] 28°39.9′N 89°27.3′W
(NOS; 48/08 CG8)

1116A Ed. 8/08 LAST NM 51/08 2/09
Substitute Platform [L10] for submerged well (cov 26fms) and buoy 28°09.6′N 94°44.4′W

Add Submarine pipeline [L40.1] between 28°10.4′N 92°38.6′W
28°13.7′N 92°36.2′W

Submarine pipeline [L40.1] joining 27°22.2′N 89°55.4′W
27°21.2′N 89°51.7′W
27°20.9′N 89°48.5′W

Submarine pipeline [L40.1] joining 27°19.9′N 89°51.6′W
27°20.2′N 89°49.6′W
27°21.3′N 89°47.9′W
(NOS; 50/08 CG8)

1116A Ed. 8/08 LAST NM 2/09 3/09
Substitute Depth 4¾ fathoms Obstn [K41] for 6½ fathoms
29°12.3′N 89°53.6′W

Add Submerged well (cov 23fms) [L20] marked by buoy W Or, Fl 2.5s (Priv) 28°35.0′N 91°47.3′W

Dashed-line circle "Discol. water" [Ke] (PA)
28°55.9′N 90°43.2′W
Dashed-line circle "Discol. water" [Ke] (PA)
29°02.3′N 90°05.4′W

Submarine pipeline [L40.1] joining 28°18.5′N 90°01.3′W
28°17.7′N 90°00.6′W
28°17.3′N 89°59.5′W
28°14.9′N 89°55.3′W
28°13.1′N 89°47.5′W
(NOS; 51/08 CG8)

1116A Ed. 8/08 LAST NM 3/09 4/09
Delete Dangerous wreck (PA) 28°56.0′N 91°39.0′W

Danger circle and legend "Obstn (cov 3½fms)"
28°57.6′N 91°37.5′W
Danger circle and legend "PA Shl rep 1981"
29°00.5′N 91°39.0′W
Danger circle and legend "Subm pipe PD"
28°58.5′N 91°33.5′W

Dangerous wreck (PA) 29°01.1′N 91°34.0′W

Substitute Depth 6½ fathoms Obstn [K41] for 6¼ fathoms Obstn 28°56.2′N 91°37.7′W

Depth 6¾ fathoms Obstns [K41] for 7 fathoms Obstns 28°58.2′N 91°37.1′W

Add Depth 3¾ fathoms Obstn [K41] 29°01.4′N 91°38.2′W
Depth 3¼ fathoms Obstn [K41] 29°01.6′N 91°36.8′W
Depth 4¾ fathoms Obstn [K41] 29°00.9′N 91°34.1′W

Submarine pipeline [L40.1] between 28°02.1′N 90°01.4′W
28°03.5′N 89°59.3′W

Depth 5 fathoms Obstn [K41] "rep" 29°11.2′N 89°43.5′W
(NOS)

1116A Ed. 8/08 LAST NM 4/09 5/09
Delete Platform 28°08.9′N 91°57.3′W

Add Danger circle "Obstn" [K40] (PA) 29°05.7′N 94°44.2′W
Platform [L10] 27°57.7′N 93°38.7′W

Dashed-line circle "Discol. water" [Ke] (PA)
29°09.0′N 89°41.8′W
(53/08, 1/09 CG8)

1116A Ed. 8/08 LAST NM 5/09 6/09
Delete Danger circle "Obstn" (PA) 29°05.7′N 94°44.2′W
Platform 28°15.4′N 91°47.6′W

Platform 28°41.8′N 90°08.3′W
(See 5/09-1116A)

Add Submarine pipeline [L40.1] joining 27°28.6′N 92°51.4′W
27°28.9′N 92°49.1′W
27°31.1′N 92°49.1′W
27°32.1′N 92°51.7′W
27°34.4′N 92°53.5′W
27°39.1′N 92°52.1′W
27°48.6′N 92°57.5′W
27°56.3′N 92°57.8′W

Submarine pipeline [L40.1] joining 27°30.2′N 92°49.2′W
27°31.1′N 92°49.7′W
27°32.1′N 92°51.7′W
(NOS; 2/09 CG8)

1116A Ed. 8/08 LAST NM 6/09 7/09
Add Submarine pipeline [L40.1] between 28°12.7′N 92°22.8′W
28°14.5′N 92°21.1′W
(NOS)

1116A Ed. 8/08 LAST NM 7/09 8/09
Add Submarine pipeline [L40.1] joining 27°53.5′N 94°18.0′W
27°53.7′N 94°21.7′W
27°54.1′N 94°22.3′W
27°56.2′N 94°23.3′W

Platform [L10] 28°40.2′N 92°16.1′W

Dashed-line circle "Discol. water" [Ke] (PA)
28°37.0′N 91°04.0′W
Dashed-line circle "Discol. water" [Ke] (PA)
28°59.9′N 90°11.7′W
(NOS; 4/09 CG8)

1116A Ed. 8/08 LAST NM 8/09 9/09
Add Platform [L10] 27°58.2′N 92°38.7′W

Submarine pipeline [L40.1] between 27°58.2′N 92°38.7′W
28°03.1′N 92°42.5′W

Danger circle [K1] "Visible obstn" (PA)
29°07.8′N 92°20.6′W
Dashed-line circle "Discol. water" [Ke] (PA)
28°19.0′N 91°24.8′W
Dashed-line circle "Discol. water" [Ke] (PA)
28°30.5′N 91°23.3′W
(NOS; 5/09 CG8)

1116A Ed. 8/08 LAST NM 9/09 10/09
Add Dashed-line circle "Discol. water" [Ke] (PA)
29°10.5′N 91°20.0′W

Position circle "Pipe" [L23] 29°09.4′N 89°53.9′W
(NOS; 6/09 CG8)

1116A Ed. 8/08 LAST NM 10/09 11/09
Add Submerged well (cov 44fms) [L20] marked by
buoy W Or, Fl R 2.5s (Priv) 28°06.6′N 93°11.8′W

Dashed-line circle "Discol. water" [Ke] (PA)
29°02.6′N 90°07.2′W
(7/09 CG8)

1116A Ed. 8/08 LAST NM 11/09 12/09
Add Dashed-line circle "Discol. water" [Ke] (PA)
28°56.6′N 89°39.9′W
(8/09 CG8)

1116A Ed. 8/08 LAST NM 12/09 13/09
Delete Platform and submerged well (cov 76fms) in
vicinity 27°57.3′N 92°21.3′W
Note: Dashed-line circle and buoy remain

Danger circle "Obstn" 28°37.0′N 90°08.8′W
Note: buoy remains

Change Legend to "Fish haven (auth min 14fms)"
27°56.3′N 92°20.5′W

Add "Fish haven (auth min 20fms)" area [K46.2]
bound by dashed line joining 28°36.8′N 90°08.7′W
28°37.5′N 90°08.7′W
28°37.5′N 90°08.0′W
28°36.8′N 90°08.0′W
(NOS)

1116A Ed. 8/08 LAST NM 13/09 14/09
Add Submarine pipeline [L40.1] joining 27°50.8′N 92°58.7′W
27°48.0′N 92°58.7′W
27°51.5′N 92°55.9′W
(NOS)

1116A Ed. 8/08 LAST NM 14/09 15/09
Add Dashed-line circle "Obstn rep (2009)" (PA)
centered 28°38.0′N 94°21.1′W

Dangerous wreck [K28] (PA) 28°34.9′N 93°43.8′W

Submerged well (cov 24fms) [L20] marked by
buoy G, QG HORN (Priv) 28°30.5′N 93°09.5′W

Submerged well (cov 27fms) [L20] marked by
buoy W Or, Fl 2.5s (Priv) 28°28.2′N 92°49.8′W

Submerged well (cov 40fms) [L20] marked by
buoy W Or, Fl 2.5s (Priv) 28°15.6′N 91°03.7′W

Submarine pipeline [L40.1] joining 27°19.2′N 90°42.9′W
27°21.5′N 90°42.1′W
27°22.6′N 90°42.5′W
27°25.8′N 90°46.8′W
27°26.1′N 90°50.1′W
27°27.2′N 90°51.4′W
27°40.5′N 90°52.9′W
27°44.5′N 91°00.4′W
27°47.4′N 91°01.8′W
27°56.7′N 90°59.9′W

Submarine pipeline [L40.1] joining 27°35.8′N 90°17.7′W
27°38.1′N 90°16.6′W
27°39.9′N 90°16.5′W
27°41.0′N 90°15.7′W
27°41.5′N 90°15.8′W
27°41.5′N 90°16.5′W

Submarine pipeline [L40.1] joining 27°38.1′N 90°16.6′W
27°39.8′N 90°17.2′W
27°41.9′N 90°16.8′W
(NOS; 11/09 CG8)

1116A Ed. 8/08 LAST NM 15/09 16/09
Add Depth 7 3/4 fathoms 29°00.5′N 94°24.9′W
Depth 6 1/2 fathoms 29°06.0′N 94°17.3′W
Depth 400 fathoms 27°30.6′N 94°03.7′W
Danger circle "Obstn" [K40] (PA) 28°32.4′N 93°36.7′W
Depth 15 fathoms 28°38.0′N 93°31.5′W
Depth 28 fathoms 28°11.1′N 93°25.2′W

Submerged well (cov 15fms) [L20] marked by
buoy W Or, Fl 2.5s (Priv) 28°47.9′N 93°01.5′W

Depth 8 1/2 fathoms 28°44.1′N 90°42.4′W

Submarine pipeline [L40.1] joining 27°11.8′N 90°01.6′W
27°12.4′N 90°02.2′W
27°12.9′N 90°02.4′W
27°13.5′N 90°01.9′W
27°12.9′N 90°01.1′W
27°11.8′N 90°01.6′W

Submarine pipeline [L40.1] between 27°11.8′N 90°01.6′W
27°13.5′N 90°01.9′W
(NOS; 12/09 CG8; NTM0019/2009)

1116A Ed. 8/08 LAST NM 16/09 17/09
Substitute Depth 15 fathoms Obstn [K41] "rep (2009)" for
danger circle "Obstn" (PA) 28°32.4′N 93°36.7′W
(See 16/09-1116A)

Add Submarine pipeline [L40.1] between 28°24.2′N 91°51.5′W
28°26.7′N 91°52.9′W
(NOS)

1116A Ed. 8/08 LAST NM 17/09 22/09
Delete Depth 4 fathoms, danger circle and legend
"Obstn (Rep 2007)" 29°08.4′N 89°30.1′W

Add Submerged well (cov 27fms) [L20] marked by
buoy W Or, Fl 2.5s (Priv) 28°25.3′N 93°38.9′W

Submerged well (cov 23fms) [L20] marked by
buoy W Or, Fl 2.5s (Priv) 28°34.1′N 92°46.9′W

Wreck [K29] (PA) 28°08.1′N 92°45.1′W
Submerged well (cov 21fms) [L20] 28°41.0′N 92°17.6′W

Dashed-line circle "Obstn" (PA) 28°20.8′N 91°42.6′W
Note: Platform remains

Submarine pipeline [L40.1] joining 27°18.5′N 90°17.1′W
27°16.9′N 90°10.8′W
27°18.0′N 90°07.6′W

Depth 5 fathoms Obstn [K41] 28°59.0′N 89°18.1′W
(NOS; 17, 18/09 CG8)

1116A Ed. 8/08 LAST NM 22/09 23/09
Delete Danger circle "Obstn" (PA) 28°45.8′N 92°35.1′W
(See 42/08-1116A)

Change Characteristic of Racon at platform to (– – •)
28°12.8′N 92°50.9′W
(19/09 CG8)

1116A Ed. 8/08 LAST NM 23/09 24/09
Change Legend at position circle from "Well" to "Pipe"
[L23] 28°18.6′N 93°25.9′W

Add Dashed-line circle "Discol water" [Ke] (PA)
28°39.9′N 91°38.8′W
(NOS; 20/09 CG8)

1116A Ed. 8/08 LAST NM 24/09 25/09
Delete HORN from light 29°19.7′N 94°41.3′W
Buoy 28°39.1′N 92°47.2′W
Buoy 28°28.9′N 92°38.2′W
Buoy 27°57.2′N 92°21.3′W
Buoy 28°36.9′N 90°08.8′W
Dangerous wreck (PA) 28°54.1′N 90°15.9′W
Dangerous wreck (PA) 28°58.2′N 90°15.0′W
Dangerous wreck (PA) 28°53.1′N 90°13.4′W
Dangerous wreck (PA) 28°55.8′N 90°10.5′W
Buoy 28°59.3′N 89°39.0′W

Add Submarine pipeline [L40.1] between 28°47.8′N 92°43.1′W
28°51.9′N 92°44.3′W

Depth 12 fathoms enclosed by dashed-line
circle "Obstn" 28°52.7′N 90°15.6′W

Depth 8 fathoms Wk [K26] 28°58.3′N 90°14.5′W
Depth 8 fathoms Obstn [K41] 28°59.0′N 90°11.5′W
Depth 11 fathoms Wk [K26] 28°55.0′N 90°10.6′W
Depth 9 fathoms Obstn [K41] 28°56.3′N 90°10.4′W

Depth 11 fathoms enclosed by dashed-line
circle "Obstn" 28°55.7′N 90°09.7′W

Depth 12 fathoms enclosed by dashed-line
circle "Obstn" 28°54.2′N 90°09.7′W
(NOS; 16, 21/09 CG8)

1116A Ed. 8/08 LAST NM 25/09 27/09
Delete HORN from light 29°38.7′N 93°49.4′W

Substitute Platform [L10] for submerged well (cov 32fms) and buoy 28°16.9′N 93°11.8′W

Add Dashed-line circle "Discol water" [Ke] (PA) 29°04.0′N 92°35.5′W

Danger circle "Obstns" [K40] (PA) 28°31.9′N 90°53.6′W
Note: Platform remains

Submerged well (cov 31fms) [L20] marked by buoy W Or, Fl 2.5s (Priv) 28°32.7′N 90°09.0′W
(22/09 CG8)

1116A Ed. 8/08 LAST NM 27/09 28/09
Add Submarine pipeline [L40.1] joining 27°56.3′N 92°57.8′W
27°59.5′N 92°54.5′W
28°03.0′N 92°43.7′W
28°04.4′N 92°41.9′W

Obstruction "Fish haven (auth min 14fms)" [K46.2] bound by dashed line joining 28°07.3′N 91°27.4′W
28°08.0′N 91°27.4′W
28°08.0′N 91°26.6′W
28°07.3′N 91°26.6′W
(NOS)

1116A Ed. 8/08 LAST NM 28/09 29/09
Add Danger circle "Obstns" [K40] (PA) 28°08.3′N 92°57.2′W
Note: Platform remains
(25/09 CG8)

1116A Ed. 8/08 LAST NM 29/09 30/09
Delete Danger circle "Obstn" (PA) 29°15.2′N 89°40.1′W
Danger circle "Obstns rep" 29°15.1′N 89°38.8′W
Dangerous wreck (PA) 29°11.9′N 89°30.6′W
Dangerous wreck (PA) 29°10.7′N 89°32.2′W

Substitute Depth 2 1/2 fathoms Obstn [K41] for 3 fathoms Obstn "(Rep 2007)" 29°11.2′N 89°33.8′W

Depth 3 1/2 fathoms Wk [K26] for 1 1/2 fathoms Wk 29°07.3′N 89°29.1′W

Add Depth 15 fathoms Obstn enclosed by dashed-line circle 28°34.1′N 93°42.5′W

Depth 2 fathoms Obstn [K41] 29°10.9′N 89°30.2′W
(NOS)

1116A Ed. 8/08 LAST NM 30/09 31/09
Add Dashed-line circle "Discol. water" [Ke] (PA) 29°29.8′N 92°23.3′W
Dashed-line circle "Discol. water" [Ke] (PA) 28°18.3′N 91°29.0′W
Depth 4 3/4 fathoms Obstn [K41] "(rep 2009)" 29°00.3′N 90°22.5′W
Depth 5 3/4 fathoms Wk [K26] "(rep 2009)" 29°00.4′N 90°20.3′W

Caution note
"MISSISSIPPI RIVER GULF OUTLET
CAUTION
Vessels are no longer able to transit the Mississippi River Gulf Outlet Channel near Mile 36.0 (29°46.9′N 89°32.3′W). Rocks have been placed at a 3-foot elevation across the channel to give mariners a visible sign that the outlet is closed." 29°33.7′N 89°27.0′W
(NOS; 23, 27/09 CG8)

1116A Ed. 8/08 LAST NM 31/09 32/09
Delete HORN from light 28°54.4′N 89°25.8′W
(28/09 CG8)

1116A Ed. 8/08 LAST NM 32/09 33/09
Delete Dashed-line circle "Obstn" (PA) 28°25.9′N 92°03.8′W
Note: Platform remains
(See 42/08-1116A)

Add Submarine pipeline [L40.1] between 28°26.9′N 93°42.3′W
28°32.5′N 93°42.0′W

Submarine pipeline [L40.1] between 28°32.0′N 93°13.7′W
28°33.0′N 93°11.6′W

Submarine pipeline [L40.1] between 27°30.0′N 92°50.4′W
27°30.0′N 92°49.1′W

Submarine pipeline [L40.1] between 28°06.5′N 92°26.7′W
28°06.1′N 92°23.7′W

Submarine pipeline [L40.1] between 28°30.9′N 91°33.4′W
28°25.5′N 91°28.9′W

Buoy Y (Priv) 28°07.7′N 91°27.0′W

Submarine pipeline [L40.1] joining 27°19.8′N 90°42.6′W
27°21.8′N 90°40.4′W
27°22.9′N 90°36.4′W
27°28.6′N 90°31.7′W
27°31.7′N 90°32.0′W

Submarine pipeline [L40.1] joining 27°30.1′N 90°31.7′W
27°34.3′N 90°30.6′W
27°35.4′N 90°28.1′W
27°40.0′N 90°27.0′W
27°41.6′N 90°28.2′W
(NOS; 15/09 CG8)

★1117A Ed. 3/08 NEW EDITION 19/08
Delete Platform 28°49.0′N 94°15.6′W
(Previously published 16/08)

Add Danger circle "Obstn" [K40] 29°16.8′N 94°30.1′W
(Previously published 16/08)

Add Danger circle "Obstn" [K40] (PA) 28°08.5′N 96°13.9′W
Danger circle "Obstn" [K40] (PA) 29°18.6′N 94°34.4′W
(Previously published 17/08)
(NOS)

1117A Ed. 3/08 LAST NM 19/08 20/08
Add Submarine pipeline [L40.1] joining 27°48.6′N 96°46.9′W
27°48.1′N 96°46.7′W
27°46.0′N 96°50.1′W

Submarine pipeline [L40.1] between 28°08.5′N 96°13.9′W
28°08.6′N 96°13.2′W

Submarine pipeline [L40.1] between 28°30.2′N 95°37.1′W
28°30.8′N 95°35.3′W

Submerged well (cov 26fms) [L20] marked by buoy W Or, Fl 2.5s (Priv) 28°09.6′N 94°44.4′W
(NOS; 16/08 CG8)

1117A Ed. 3/08 LAST NM 20/08 21/08
Add Submarine pipeline [L40.1] between 28°53.6′N 94°34.2′W
28°53.1′N 94°33.9′W

Submarine pipeline [L40.1] between 28°02.7′N 94°14.3′W
28°02.8′N 94°17.1′W
(NOS)

1117A Ed. 3/08 LAST NM 21/08 26/08
Add Submarine pipeline [L40.1] between 27°37.1′N 96°50.1′W
27°33.1′N 96°44.6′W
(NOS)

1117A Ed. 3/08 LAST NM 26/08 31/08
Add Platform [L10] 28°22.3′N 95°20.2′W

Submarine cable [L30.1] joining 28°51.5′N 95°18.7′W
28°47.8′N 95°16.0′W
28°46.7′N 95°15.7′W
28°37.2′N 95°08.4′W
28°35.9′N 95°08.2′W
28°08.0′N 94°48.1′W
(NOS; 27/08 CG8)

1117A Ed. 3/08 LAST NM 31/08 34/08
Add Dashed-line circle [Ke] with legend "Natural gas leak rep (2008)" (PA) 28°35.2′N 95°12.6′W
(31/08 CG8)

1117A Ed. 3/08 LAST NM 34/08 35/08
Add Submarine pipeline [L40.1] between 28°55.5′N 94°29.6′W
28°51.7′N 94°28.2′W

(continued on next page)

1117A (Continued) 35/08
Submarine pipeline [L40.1] between 28°21.2′N 94°05.8′W
28°19.4′N 94°03.2′W
(NOS)

1117A Ed. 3/08 LAST NM 35/08 38/08
Add Platform [L10] 26°07.7′N 94°53.9′W
(35/08 CG8)

1117A Ed. 3/08 LAST NM 38/08 41/08
Add Platform [L10] 28°25.8′N 95°09.9′W
(38/08 CG8)

1117A Ed. 3/08 LAST NM 41/08 49/08
Add Buoy (Priv) (PA) 26°07.6′N 97°06.8′W
(46/08 CG8)

1117A Ed. 3/08 LAST NM 49/08 2/09
Substitute Platform [L10] for submerged well (cov 26fms)
and buoy 28°09.6′N 94°44.4′W
(See 20/08-1117A)
(50/08 CG8)

1117A Ed. 3/08 LAST NM 2/09 4/09
Change Visibility (range) of light to 10M 25°56.7′N 97°08.8′W
(9(IV)08 Mexico, D.F.)

1117A Ed. 3/08 LAST NM 4/09 5/09
Add Danger circle "Obstn" [K40] (PA) 29°05.7′N 94°44.2′W
(53/08 CG8)

1117A Ed. 3/08 LAST NM 5/09 6/09
Delete Danger circle "Obstn" (PA) 29°05.7′N 94°44.2′W
(Supersedes 5/09-1117A)
(2/09 CG8)

1117A Ed. 3/08 LAST NM 6/09 8/09
Add Danger circle "Obstn" [K40] (PA) 27°57.6′N 96°34.1′W

Submarine pipeline [L40.1] joining 27°53.5′N 94°18.0′W
27°53.7′N 94°21.7′W
27°54.1′N 94°22.3′W
27°56.2′N 94°23.3′W
(NOS; 4/09 CG8)

1117A Ed. 3/08 LAST NM 8/09 14/09
Add Purple composite-line circle [N2.1], radius 1
mile, with legend "SAFETY ZONE 147.845
(see note A)" centered on platform 26°07.7′N 94°53.9′W
(See 38/08-1117A)
(NOS)

1117A Ed. 3/08 LAST NM 14/09 15/09
Add Dashed-line circle "Obstn rep (2009)" (PA)
centered 28°38.0′N 94°21.1′W
(11/09 CG8)

1117A Ed. 3/08 LAST NM 15/09 16/09
Add Depth 10½ fathoms 28°41.7′N 95°11.4′W
Depth 7¾ fathoms 29°00.5′N 94°24.9′W
Depth 6½ fathoms 29°06.0′N 94°17.3′W
Depth 400 fathoms 27°30.6′N 94°03.7′W
(NTM0019/2009)

1117A Ed. 3/08 LAST NM 16/09 23/09
Substitute Danger circle "Obstn (Fish haven) (auth min 8
fms)" [K46.2] for dotted-line square "Obstn
(rep 8 fms)" 26°11.3′N 96°51.6′W
Note: Buoy remains
(NOS)

1117A Ed. 3/08 LAST NM 23/09 25/09
Delete HORN from light 29°19.6′N 94°41.3′W
(21/09 CG8)

1117A Ed. 3/08 LAST NM 25/09 32/09
Add Dashed-line circle "Obstn" (PA) 28°18.1′N 95°22.1′W
(28/09 CG8)

★5161 13Ed. 10/03 NEW EDITION 48/03
(NOS)

5161 13Ed. 10/03 LAST NM 48/03 27/06
Relocate Superbuoy ODAS "44017" from
40°42.0′N 72°00.0′W to 40°41.3′N 72°02.5′W
(3/06 CG1)

★**E0215** 1Ed. 8/11/79 NEW CHART N43/79
Add Island 67°08.8′N 18°42.0′W
(DMAHTC; NVS5050/79)

E0215 1Ed. 8/11/79 LAST NM N43/79 N2/82
Add Depth 51 fathoms 67°06.1′N 15°15.5′W
(Ice CH 20)

E0215 1Ed. 8/11/79 LAST NM N2/82 N8/93
Delete R Bn at light 64°44.2′N 23°48.0′W
(12(34)92 Reykjavik)

E0215 1Ed. 8/11/79 LAST NM N8/93 N46/94
Delete R Bn 65°54′N 23°55′W
(BA RA)

E0215 1Ed. 8/11/79 LAST NM N46/94 N5/95
Delete R Bn at light 66°24.2′N 22°24.0′W
(12(42)94 Reykjavik)

E0215 1Ed. 8/11/79 LAST NM N5/95 N17/97
Substitute Depth 8 fathoms for 18 fathoms 66°49′N 18°10′W
(51(4187)96 Taunton)

E0215 1Ed. 8/11/79 LAST NM N17/97 N19/98
Delete R Bn 65°30.0′N 24°31.0′W
(12(34)97 Reykjavik)

★**E0315** 1Ed. 1/27/79 NEW CHART N13/79
(DMAHTC)

★**E0415** 2Ed. 4/27/85 NEW EDITION N39/85
Add Legend to lights
"Oc WRG 15-11M" 69°14.1′N 53°32.1′E
"Fl(2) 9M" 68°37.3′N 53°30.6′E
(DMAHTC)

E0415 2Ed. 4/27/85 LAST NM N39/85 N49/85
Delete R Bn (AERO) 69°13′N 51°06′W
(BA RA)

E0415 2Ed. 4/27/85 LAST NM N49/85 N26/90
Delete Light legends
"Oc WRG 15-11M" 69°14.1′N 53°32.1′W
"Fl(2) 9M" 68°37.7′N 53°30.6′W
Note: Light symbols remain
(DMAHTC)

★**E0416** 1Ed. 6/12/82 NEW CHART N32/82
(DMAHTC)

E0416 1Ed. 6/12/82 LAST NM N32/82 N38/84
Add Depth 87 fathoms "Rep (1981)" 72°32.5′N 59°09.0′W
(NVS7295/84)

★**E0513** 1Ed. 8/14/82 NEW CHART N37/82
(DMAHTC)

E0513 1Ed. 8/14/82 LAST NM N37/82 N14/85
Relocate R Bn (AERO) close SW to 60°41′09″N 46°36′31″W
(49(1821)84 Kobenhavn)

★**E0513** 1Ed. 8/14/82 LAST NM N14/85 N37/85
Add Depths
84 fathoms (PA) 59°58.0′N 46°31.0′W
79 fathoms (PA) 59°50.2′N 46°16.7′W
(HNNM7551/85)

E0513 1Ed. 8/14/82 LAST NM N37/85 N10/95
Delete R Bn 59°59′N 45°11′W
(2(156)95 Kobenhavn)

★**E0514** 1Ed. 7/17/82 NEW CHART N37/82
(DMAHTC)

E0514 1Ed. 7/17/82 LAST NM N37/82 N28/89
Add Depths
109 fathoms 62°35.4′N 41°31.2′W
80 fathoms 62°43.0′N 41°26.0′W
111 fathoms 63°17.6′N 40°40.0′W
121 fathoms 63°27.9′N 40°21.8′W
136 fathoms 63°35.2′N 40°13.3′W
(20(708)89 Kobenhavn)

★**E0515** 2Ed. 3/9/85 NEW EDITION N21/85
(DMAHTC)

★**E0517** 1Ed. 9/1/79 NEW CHART N44/79
(DMAHTC)

E0517 1Ed. 9/1/79 LAST NM N44/79 N48/83
Add Depths
63 fathoms "Rep (1982)" (PA) 75°21.3′N 60°09.7′W
70 fathoms "Rep (1982)" (PA) 75°54.0′N 62°04.0′W
175 fathoms "Rep (1982)" (PA) 75°27.0′N 67°54.0′W
175 fathoms "Rep (1982)" (PA) 74°46.0′N 59°19.0′W
(NVS7095/83)

E0517 1Ed. 9/1/79 LAST NM N48/83 N36/85
Delete R Bn (AERO) 76°32′N 68°46′W
(28(1866)85 Taunton)

★**E0517** 1Ed. 9/1/79 LAST NM N36/85 N37/85
Add Depths
159 fathoms (PA) 75°04.6′N 66°10.7′W
76 fathoms (PA) 75°32.1′N 65°39.9′W
(HNNM7551/85)

★**E0518** 1Ed. 1/19/85 NEW CHART N17/85
(DMAHTC)

★**E0614** 2Ed. 10/12/85 NEW EDITION N52/85
(DMAHTC)

★**E0704** 1Ed. 2/13/82 NEW CHART N16/82
Delete Depths
82 fathoms 18°11.7′N 63°55.3′W
5 fathoms "Rep (1964)" 18°15.0′N 67°34.5′W
10 fathoms "Rep (1975) (PA)" 18°24.5′N 67°40.0′W
125 fathoms "Rep (1973)" 18°15.0′N 67°40.0′W
192 fathoms "Rep (1973)" 18°08.8′N 67°41.0′W
171 fathoms "Rep (1973)" 18°19.0′N 67°43.5′W
123 fathoms "Rep (1969)" 18°23.0′N 67°45.7′W
15 fathoms "Rep (1971)" 18°20.0′N 67°48.0′W
40 fathoms "Rep (1957)" 18°51.5′N 68°24.3′W
80 fathoms "Rep (1950)" 18°53.5′N 68°26.4′W

Add Depths
13 fathoms 17°04.0′N 62°23.0′W
22 fathoms 17°42.7′N 63°29.2′W
150 fathoms 18°21.9′N 63°43.6′W
(DMAHTC; NVS6624/82)

E0704 1Ed. 2/13/82 LAST NM N16/82 N36/83
Delete Depths
55 fathoms 18°36.0′N 67°11.3′W
45 fathoms 18°35.7′N 67°09.1′W
90 fathoms 17°55.0′N 67°28.0′W

Substitute Depth 11 fathoms for 13 fathoms 18°13.5′N 67°25.2′W
(NVS7006/83)

E0704 1Ed. 2/13/82 LAST NM N36/83 N49/83
Add Light Gp Fl 17M 17°29.0′N 62°59.2′W
(37(2125)83 's-Gravenhage)

E0704 1Ed. 2/13/82 LAST NM N49/83 N18/86
Delete Depth 9 fathoms 17°23.0′N 63°45.5′W

Add Depth 9 fathoms 17°23.1′N 63°43.5′W
Depth 2 fathoms 1 foot enclosed by danger circle (ED) 17°35.0′N 63°35.0′W
(NVS6056/80; MCNM7747/86)

E0704 1Ed. 2/13/82 LAST NM N18/86 N44/86
Delete R Bn (AERO) 18°20.0′N 64°58.4′W
(FLIP)

E0704 1Ed. 2/13/82 LAST NM N44/86 N48/86
Add Depths
8 fathoms 2 feet 17°25.5′N 63°15.0′W
9 fathoms 3 feet 17°21.7′N 63°19.5′W
8 fathoms 1 foot 17°20.5′N 63°18.1′W
(7(120, 121)86 's-Gravenhage)

E0704 1Ed. 2/13/82 LAST NM N48/86 N10/87
Delete R Bn 18°28.0′N 66°07.0′W

Change Light to Fl(3) 40s 181ft 24M 18°28.1′N 66°07.1′W
(37/85 CG7; USCG LL)

E0704 1Ed. 2/13/82 LAST NM N10/87 N42/87
Add Legends
"Rep (1957)" (PA) to
depth 4 fathoms 3 feet 17°28.7′N 63°15.3′W
"Rep (1957)" to
depth 8 fathoms 17°28.5′N 63°19.8′W
"Rep (1954)" to
depth 4 fathoms 17°31.5′N 63°21.0′W
(MCNM7979/87)

E0704 1Ed. 2/13/82 LAST NM N42/87 N9/88
Add Buoy (mooring) IQ 17°52.1′N 64°43.1′W
(MCNM8060/88)

E0704 1Ed. 2/13/82 LAST NM N9/88 N11/89
Add Depth 14 fathoms "Rep (1987)" 20°14.9′N 6°14.4′W
(MCNM1030/89)

E0704 1Ed. 2/13/82 LAST NM N11/89 N16/89
Add Depth 14 fathoms "Rep (1987)" 20°14.9′N 69°14.4′W
(Cancels N11/89-E0704)
(MCNM1030/89)

E0704 1Ed. 2/13/82 LAST NM N16/89 N51/90
Delete Depths
32 fathoms "Rep (1950)" 18°52.6′N 68°13.6′W
12 fathoms (ED) 18°42.5′N 68°07.0′W
79 fathoms 18°24.4′N 68°14.0′W
(MCNM1058/90)

E0704 1Ed. 2/13/82 LAST NM N51/90 N34/91
Add Depth 83 fathoms "Rep (1991)" 18°21.5′N 67°43.0′W
(25(1829)91 Taunton)

E0704 1Ed. 2/13/82 LAST NM N34/91 N10/93
Delete R Bn at light 17°59.9′N 65°53.9′W

Relocate Buoy (mooring) close NE to 17°52.4′N 64°42.8′W

Change Lights to
Fl 20s 121ft 20M 17°56.6′N 67°11.9′W
Fl 5s 120ft 14M 18°28.2′N 66°43.5′W
Fl 10s 305ft 13M 18°19.3′N 65°14.0′W

Visibility (range) of lights to
26M 18°22.8′N 65°37.0′W
16M 17°46.0′N 64°52.8′W
12M 17°53.7′N 66°31.4′W
(MCC1223/93)

E0704 1Ed. 2/13/82 LAST NM N10/93 N11/93
Delete Depths
851 fathoms 17°37.8′N 65°17.9′W
15 fathoms "Rep (1957)" 17°36.6′N 64°53.0′W
43 fathoms "Rep (1974)" 17°37.0′N 65°10.9′W

Add Depths
782 fathoms 17°38.8′N 65°17.2′W
347 fathoms 17°33.2′N 64°51.2′W
(MCC1235/93)

E0704 1Ed. 2/13/82 LAST NM N11/93 N36/95
Add Dashed-line circle
"Subm buoy (cov 22½fms)" 17°44′N 64°55′W
(MCC003/95)

E0704 1Ed. 2/13/82 LAST NM N36/95 N34/96
Add Submarine cable between 18°27′N 66°04′W
18°36′N 66°05′W
(SMEA013/96)

E0704 1Ed. 2/13/82 LAST NM N34/96 N45/96
Add Wreck (PA) 18°30.0′N 65°48.0′W
(37/96 CG7)

E0704 1Ed. 2/13/82 LAST NM N45/96 N9/97
Add "North Range Ordnance Jettison Area"
bound by purple dashed line joining 18°50′N 65°50′W
19°00′N 65°50′W
19°00′N 65°40′W
18°50′N 65°40′W

"South Range Ordnance Jettison Area"
bound by purple dashed line joining 17°40′N 65°50′W
17°50′N 65°50′W
17°50′N 65°40′W
17°40′N 65°40′W
(GIMM009/97)

E0704 1Ed. 2/13/82 LAST NM N9/97 N2/98
Delete Depth 13 fathoms 17°04′N 62°23′W
(48(4301)97 Taunton)

★**E0709** 1Ed. 12/29/84 NEW CHART N21/85
(DMAHTC)

E0709 1Ed. 12/29/84 LAST NM N21/85 N22/91
Delete R Bns 46°16.0′N 60°07.4′W
45°33.5′N 60°56.0′W
45°06.0′N 61°32.5′W
46°39.9′N 64°42.3′W
(1(47), 31(666, 670, 671)89 Ottawa)

E0709 1Ed. 12/29/84 LAST NM N22/91 N12/94
Delete R Bn 47°14′N 60°08′W
(2(66)94 Ottawa)

E0709 1Ed. 12/29/84 LAST NM N12/94 N25/95
Delete R Bn at light 48°51.5′N 64°12.0′W
(MCC039/95)

E0709 1Ed. 12/29/84 LAST NM N25/95 N7/96
Delete R Bn 46°27′N 61°58′W
(24(701)95 Ottawa)

E0709 1Ed. 12/29/84 LAST NM N7/96 N42/96
Delete R Bn 45°19.5′N 60°55.9′W
(8(426)96 Ottawa)

E0709 1Ed. 12/29/84 LAST NM N42/96 N5/97
Delete R Bn 48°01′N 64°30′W
R Bn at light 47°51′N 61°09′W
(GIMM001/97)

★**E0710** 1Ed. 2/9/85 NEW CHART N21/85
Change Caution No 2 in right upper margin of chart to "The prudent mariner will not rely solely on any single aid to navigation particularly on floating aids. See paragraph No. 1 of Notice to Mariners No. 1 or Sailing Direction Planning Guides for information relative to DMAHTC Charts."
(DMAHTC)

E0710 1Ed. 2/9/85 LAST NM N21/85 N22/91
Delete R Bn at lights 50°06.1′N 61°44.7′W
50°13.3′N 64°12.5′W
50°05.4′N 66°22.9′W
(23(444), 45(866, 867)88 Ottawa)

E0710 1Ed. 2/9/85 LAST NM N22/91 N28/91
Add Superbuoy ODAS "45138" Y, Fl(5) Y 20s
49°32.0′N 65°43.0′W
(MCNM1098/91)

E0710 1Ed. 2/9/85 LAST NM N28/91 N42/94
Relocate Superbuoy ODAS "45138" close NW to 49°33.6′N 65°45.6′W

Add Danger circle "Obstn" 49°33.6′N 65°47.5′W
(13(456)94 Ottawa)

E0710 1Ed. 2/9/85 LAST NM N42/94 N25/95
Delete R Bn at light 50°10.2′N 60°03.7′W
(MCC039/95)

E0710 1Ed. 2/9/85 LAST NM N25/95 N43/95
Delete Danger circle "Obstn" 49°33.6′N 65°47.5′W
(18(502)95 Ottawa)

E0710 1Ed. 2/9/85 LAST NM N43/95 N13/96
Delete R Bn at light 49°19′N 67°23′W
(2(137)96 Ottawa)

E0710 1Ed. 2/9/85 LAST NM N13/96 N36/96
Delete R Bn at light 49°05′N 61°43′W
(7(373)96 Ottawa)

E0710 1Ed. 2/9/85 LAST NM N36/96 N22/97
Delete Light 49°19′N 67°23′W

Add Legend "(AERO)" to R Bn 49°51′N 64°24′W
(4(232, 280)97 Ottawa)

★**E0712** 1Ed. 2/12/83 NEW CHART N16/83
(DMAHTC)

★**E0713** 2Ed. 8/10/85 NEW EDITION N48/85
(DMAHTC)

E0713 2Ed. 8/10/85 LAST NM N48/85 N22/91
Delete R Bn at light 61°18.7′N 64°52.5′W
(22(533)86 Ottawa)

E0713 2Ed. 8/10/85 LAST NM N22/91 N24/98
Delete Ra Ref from light 61°04.5′N 69°33.0′W
(Can LL)

★**E0714** 2Ed. 8/3/85 NEW EDITION N48/85
(DMAHTC)

★**E0803** 1Ed. 2/26/83 NEW CHART N18/83
(DMAHTC)

E0803 1Ed. 2/26/83 LAST NM N18/83 N26/83
Add Depth 223 fathoms "Rep (1983)" 16°50.3′N 79°16.6′W
(NVS6958/83)

E0803 1Ed. 2/26/83 LAST NM N26/83 N44/83
Delete Depths
53 fathoms "Rep (1973)" 16°03′N 79°11′W
76 fathoms "Rep (1980)" 16°20′N 78°45′W

Add Legend "(ED)" to
depth 223 fathoms "Rep (1983)" 16°50.3′N 79°16.6′W
(See N26/83-E0803)

Legend "(PA)" to depths
291 fathoms "Rep (1982)" 15°57′N 78°23′W
311 fathoms "Rep (1982)" 15°54′N 78°24′W
(NVS7072/83)

E0803 1Ed. 2/26/83 LAST NM N44/83 N53/83
Add Depth 233 fathoms 15°45.9′N 22°10.9′W
(45(2902)83 Taunton)

E0803 1Ed. 2/26/83 LAST NM N53/83 N2/84
Delete Depth 233 fathoms 15°45.9′N 22°10.9′W
(Cancels N53/83-E0803)
(DMAHTC)

E0803 1Ed. 2/26/83 LAST NM N2/84 N13/84
Add Depth 89 fathoms "Rep (1983)" (PA) 13°47.0′N 79°04.4′W
(NVS7214/84)

E0803 1Ed. 2/26/83 LAST NM N13/84 N15/84
Add Depths
287 fathoms "Rep (1983)" (PA) 14°10.4′N 78°27.1′W
275 fathoms "Rep (1983)" (PA) 14°11.8′N 78°04.0′W
202 fathoms "Rep (1983)" (PA) 14°43.4′N 77°48.3′W
244 fathoms "Rep (1983)" (PA) 14°55.6′N 77°45.4′W
212 fathoms "Rep (1983)" (PA) 12°26.8′N 79°34.2′W
142 fathoms "Rep (1983)" (PA) 12°24.1′N 79°39.0′W
150 fathoms "Rep (1983)" (PA) 12°15.0′N 79°47.7′W
(NVS7214/84)

E0803 1Ed. 2/26/83 LAST NM N15/84 N28/84
Add Stranded wreck 11°04.8′N 74°54.7′W
(20(2035)84 Hamburg)

E0803 1Ed. 2/26/83 LAST NM N28/84 N37/84
Add Legend "(PA)" to stranded wreck 11°04.8′N 74°54.7′W
(See 28/84-E0803)
(20(2035)84 Hamburg)

E0803 1Ed. 2/26/83 LAST NM N37/84 N43/86
Add Depths
283 fathoms (PA) 15°53.0′N 78°25.0′W
282 fathoms (PA) 15°57.5′N 78°25.0′W
(MCNM7827/86)

E0803 1Ed. 2/26/83 LAST NM N43/86 N12/91
Substitute Dangerous wreck for stranded wreck 10°22.9′N 75°38.8′W
and change light to Fl 10M

Change Visibility (range) of lights to
22M 10°57.8′N 75°00.7′W
13M 10°48.0′N 75°15.6′W

Characteristic of light to Fl(3) 11°15.1′N 74°14.5′W

Lights to
Fl 24M 10°34.3′N 75°30.2′W
Fl(2) 23M 10°19.5′N 75°35.2′W
Fl(3) 15M 10°13.8′N 75°44.2′W
(14/89, 12/90 Bogota; 48(3611)88 Taunton; Col LL)

E0803 1Ed. 2/26/83 LAST NM N12/91 N46/94
Add Superbuoy ODAS "41018" Y, Fl(4) Y 20s 15°00′N 75°00′W
(35/94 CG7)

E0803 1Ed. 2/26/83 LAST NM N46/94 N5/95
Change Light to Fl 15M 10°22.8′N 75°39.5′W
(15/94 Bogota)

E0803 1Ed. 2/26/83 LAST NM N5/95 N10/96
Add Depth 41 fathoms "Rep" 12°31.1′N 72°16.1′W
(Col CH 002)

E0803 1Ed. 2/26/83 LAST NM N10/96 N13/96
Delete Superbuoy ODAS "41018" 15°00′N 75°00′W
(8/96 CG7)

E0803 1Ed. 2/26/83 LAST NM N13/96 N51/96
Delete R Bn at light 10°19.5′N 75°35.0′W
(GIMM049/96)

E0803 1Ed. 2/26/83 LAST NM N51/96 N15/97
Change Visibility (range) of light to 25M 15°47.7′N 79°50.7′W
(1/97 Bogota)

E0803 1Ed. 2/26/83 LAST NM N15/97 N31/97
Add "EXPLOSIVES DUMPING GROUND" area
bound by purple composite line
joining 10°35′N 75°41′W
10°35′N 75°44′W
10°37′N 75°44′W
10°37′N 75°41′W
(GIMM001/97)

E0803 1Ed. 2/26/83 LAST NM N31/97 N42/97
Add Depth 10 fathoms 16°46′N 78°26′W
(14(1279)97 Taunton)

★E0804 1Ed. 9/18/82 NEW CHART N48/82
Delete Depths
9 fathoms 18°00.5′N 78°04.1′W
13 fathoms 17°57.1′N 78°06.1′W
4 fathoms 4 feet 17°50.0′N 77°59.0′W
33 fathoms "Rep (1967)" 18°20.8′N 74°58.6′W

Add Depth
4 fathoms 3 feet 21°05.8′N 71°18.6′W
314 fathoms 19°47.5′N 79°13.5′W
227 fathoms 18°16.5′N 76°02.8′W
12 fathoms 18°00.0′N 78°04.5′W
17 fathoms 17°57.2′N 78°06.0′W
13 fathoms 17°50.0′N 77°58.0′W
29 fathoms 17°33.4′N 78°15.4′W
24 fathoms 17°32.0′N 78°13.0′W
15 fathoms 17°31.6′N 78°17.3′W
11 fathoms 17°31.2′N 77°15.0′W
23 fathoms 17°29.3′N 78°22.7′W
6 fathoms "Rep" 18°23.5′N 74°33.0′W
278 fathoms "Rep (1978)" 18°16.0′N 74°55.0′W
11 fathoms "Rep (1978)" 17°32.1′N 77°03.6′W
13 fathoms "Rep (1981)" 17°12.2′N 77°22.3′W

Legend "ED" to
depth 4 fathoms 4 feet 18°17.0′N 74°51.0′W
(DMAHTC; NVS6803/82)

E0804 1Ed. 9/18/82 LAST NM N48/82 N50/82
Delete Depths
8 fathoms 18°25.0′N 74°53.2′W
18 fathoms 18°25.0′N 74°47.0′W
4 fathoms 4 feet (ED) 18°17.0′N 74°51.0′W
8 fathoms 18°19.5′N 74°57.0′W
278 fathoms "Rep 1978" 18°16.0′N 74°55.0′W
(See 48/82-E0804)
(NVS6781, 6813/82)

E0804 1Ed. 9/18/82 LAST NM N50/82 N8/83
Substitute Depth 112 fathoms "Rep (1978)" for
14 fathoms "Rep (1978)" 22°06.8′N 74°23.9′W
(2(159)83 Taunton)

E0804 1Ed. 9/18/82 LAST NM N8/83 N15/83
Add Depth 236 fathoms 18°20.0′N 74°51.5′W
(9(625)83 Taunton)

E0804 1Ed. 9/18/82 LAST NM N15/83 N26/83
Add Depth 144 fathoms "Rep (1983)" 17°01.0′N 79°31.5′W
(NVS6958/83)

E0804 1Ed. 9/18/82 LAST NM N26/83 N34/83
Delete Depth 11 fathoms 22°16.5′N 75°11.0′W

Add Depth 9¾ fathoms 22°15.9′N 75°11.3′W
(NVS6996/83)

E0804 1Ed. 9/18/82 LAST NM N34/83 N44/83
Delete Depth 9 fathoms "Rep (1971)" 17°11′N 79°21′W

Add Depth 320 fathoms 20°32.3′N 70°26.5′W

Legend "(ED)" to
depth 144 fathoms "Rep (1983)" 17°01.0′N 79°31.5′W
(See N26/83-E0804)
(NVS7066, 7072/83)

E0804 1Ed. 9/18/82 LAST NM N44/83 N50/83
Add Depth 299 fathoms 22°06.0′N 73°06.8′W
(41(2619)83 Taunton)

E0804 1Ed. 9/18/82 LAST NM N50/83 N8/84
Add Depths
2 fathoms 2 feet 18°37.1′N 73°10.9′W
6 fathoms 22°16.5′N 75°11.7′W
(NVS7189, 7190/84)

E0804 1Ed. 9/18/82 LAST NM N8/84 N15/84
Add Depth 198 fathoms "Rep (1983)" (PA)
17°36.0′N 79°53.7′W
(NVS7214/84)

E0804 1Ed. 9/18/82 LAST NM N15/84 N23/84
Add Legend "CAUTION NO 3" 18°02′00″N 78°05′00″W

Caution No. 3 to cautions note
in lower right margin of chart
"3. Depths less than 10 fathoms
are reported in the vicinity
of New Bank (1984)."
(NVS7258/84)

E0804 1Ed. 9/18/82 LAST NM N23/84 N42/84
Delete Depths
15 fathoms 18°20′N 74°32′W
15 fathoms "Rep (1973)" (PA) 17°26′N 75°20′W
(NVS7330/84)

E0804 1Ed. 9/18/82 LAST NM N42/84 N33/85
Delete Depth 31 fathoms 22°29.1′N 73°11.3′W
(HNNM7520/85)

E0804 1Ed. 9/18/82 LAST NM N33/85 N44/85
Add Depths
11 fathoms 1 foot 22°52.6′N 74°49.2′W
272 fathoms 18°57.7′N 73°29.4′W
285 fathoms 19°01.0′N 73°33.7′W
258 fathoms 19°05.7′N 73°38.0′W
(HNNM7597-98/85)

E0804 1Ed. 9/18/82 LAST NM N44/85 N32/87
Add Depth 28 fathoms (ED) 18°22.0′N 74°46.1′W
(MCNM7927/87)

E0804 1Ed. 9/18/82 LAST NM N32/87 N9/88
Delete Depth 70 fathoms 17°33.0′N 71°38.4′W

Add Rock awash "Rep (1988)" (PA) 22°00.0′N 76°08.7′W
(MCNM8057, 8059/88)

E0804 1Ed. 9/18/82 LAST NM N9/88 N32/88
Substitute Depth 207 fathoms for 234 fathoms 20°50.5′N 74°01.3′W
(MCNM8123/88)

E0804 1Ed. 9/18/82 LAST NM N32/88 N41/88
Delete Depths
25 fathoms "Rep (1978)" 22°06.8′N 74°24.0′W
112 fathoms "Rep (1978)" 22°06.8′N 74°23.9′W
250 fathoms "(PA)", blue tint
and dashed-line circle 22°08.0′N 74°24.5′W

Add Depth 273 fathoms 22°06.5′N 74°23.5′W
(MCNM8147/88)

E0804 1Ed. 9/18/82 LAST NM N41/88 N43/88
Delete Depths
35 fathoms "Rep (1973)" 17°19.2′N 75°19.6′W
10 fathoms 17°14.2′N 75°24.5′W
14 fathoms 17°09.9′N 75°20.1′W
15 fathoms 17°07.2′N 75°26.3′W

Add Depths
13 fathoms 2 feet 17°12.9′N 75°25.0′W
14 fathoms 4 feet 17°14.1′N 75°24.9′W
27 fathoms 17°11.0′N 75°25.1′W
31 fathoms 17°15.3′N 75°24.5′W
(MCNM8078/88)

E0804 1Ed. 9/18/82 LAST NM N43/88 N50/88
Delete Depth 60 fathoms 17°24′N 71°43′W
(MCNM8169/88)

E0804 1Ed. 9/18/82 LAST NM N50/88 N28/89
Delete Depth 14 fathoms "Rep (1943)" 17°27.6′N 76°16.0′W

Add Depth 14 fathoms "Rep (1985)" (PA) 17°27.0′N 76°20.0′W
(NVS7456/85)

E0804 1Ed. 9/18/82 LAST NM N28/89 N38/89
Add Depth 8 fathoms 5 feet 21°49.6′N 76°18.8′W
(MCNM1102/89)

E0804 1Ed. 9/18/82 LAST NM N38/89 N23/90
Add Depth 170 fathoms 17°51.0′N 75°06.6′W
(25(58)89 Brest)

E0804 1Ed. 9/18/82 LAST NM N23/90 N31/95
Add Buoy RW, pillar, Mo(K) 10s Racon 17°55′N 76°45′W
(14(1219)95 Taunton)

E0804 1Ed. 9/18/82 LAST NM N31/95 N33/95
Add Depth 16 fathoms "Rep (1993)" (PA) 17°47′N 75°52′W
(33(533)93 Hamburg)

E0804 1Ed. 9/18/82 LAST NM N33/95 N42/97
Substitute Depth 10 fathoms for 19 fathoms "Rep (1972)" (PA) 17°44′N 75°35′W
(16(1426)97 Taunton)

★**E0818** 1Ed. 2/16/85 NEW CHART N21/85
(DMAHTC)

★**E0901** 2Ed. 4/30/88 NEW EDITION N31/88
(DMAHTC)

E0901 2Ed. 4/30/88 LAST NM N31/88 N25/89
Delete Depth 140 fathoms 1°33′S 89°27′W
(MCNM1062/89)

E0901 2Ed. 4/30/88 LAST NM N25/89 N14/92
Add "Explosives Dumping Area" bound by purple dashed line joining
2°32.8′N 79°15.4′W
2°32.8′N 79°05.3′W
2°17.9′N 79°05.3′W
2°17.9′N 79°15.4′W
(2/92 Bogota)

E0901 2Ed. 4/30/88 LAST NM N14/92 N3/93
Delete Depth 6 fathoms "Rep (1973)" 1°49′S 81°11′W
(41(723)92 Hamburg)

E0901 2Ed. 4/30/88 LAST NM N3/93 N11/93
Delete Light 0°56.9′S 80°44.0′W
(11(16)92 Guayaquil)

E0901 2Ed. 4/30/88 LAST NM N11/93 N30/95
Add Light symbol with Racon 0°54.9′S 89°25.9′W
(12(22)94 Guayaquil; BA LL)

E0901 2Ed. 4/30/88 LAST NM N30/95 N4/96
Delete R Bn at light 1°50′N 78°45′W
(Col LL)

E0901 2Ed. 4/30/88 LAST NM N4/96 N16/98
Delete R Bn (AERO) 1°50′N 78°46′W
(11/97 Bogota)

★**E0902** 2Ed. 5/28/88 NEW EDITION N35/88
(DMAHTC)

E0902 2Ed. 5/28/88 LAST NM N35/88 N11/89
Delete Depth 276 fathoms 6°01.0′N 79°19.7′W

Substitute Depth 1245 fathoms for 245 fathoms 5°12.3′N 80°42.9′W
(MCNM1028/89)

E0902 2Ed. 5/28/88 LAST NM N11/89 N29/89
Add Depth 387 fathoms "Rep" 7°34′N 84°50′W
(MCNM1075/89)

E0902 2Ed. 5/28/88 LAST NM N29/89 N38/89
Add Depth 52 fathoms "Rep (1984)" 9°51.0′N 85°48.6′W
(MCNM1101/89)

E0902 2Ed. 5/28/88 LAST NM N38/89 N8/90
Add Depth 305 fathoms 5°41.1′N 86°56.1′W
(MCNM1006/90)

E0902 2Ed. 5/28/88 LAST NM N8/90 N49/94
Add Light flare symbol 3°00.2′N 78°11.5′W
(16/94 Bogota)

E0902 2Ed. 5/28/88 LAST NM N49/94 N5/95
Add Light symbol 3°13.0′N 77°32.9′W
(2/94 Bogota)

E0902 2Ed. 5/28/88 LAST NM N5/95 N4/96
Delete R Bn at light 3°47′N 77°11′W
(Col LL)

E0902 2Ed. 5/28/88 LAST NM N4/96 N33/97
Add Depth
42 fathoms 7°15′N 79°04′W
46 fathoms 7°12′N 79°05′W
53 fathoms 7°06′N 79°06′W
(GIMM001/97)

E0902 2Ed. 5/28/88 LAST NM N33/97 N46/97
Add Depth 59 fathoms "Rep (1997)" 4°57.8′N 82°10.1′W
(GIMM058/97)

★**E0903** 1Ed. 8/8/81 NEW CHART N40/81
Change Lights to
Fl(2) 12M 14°29.0′N 81°09.0′W
Fl(2) 12M 14°16.5′N 80°24.0′W
Fl(2) 16M 13°18.7′N 81°23.3′W
Fl(2) 17M 10°00.0′N 83°01.0′W
Fl(2) 11M 13°35.0′N 80°05.5′W
(DMAHTC; US LL)

E0903 1Ed. 8/8/81 LAST NM N40/81 N1/82
Add Depth 88 fathoms "Rep (1981)" 16°50.5′N 80°56.0′W
(34(2002)81 Taunton)

E0903 1Ed. 8/8/81 LAST NM N1/82 N34/82
Change Lights to
Fl 13M 13°35.0′N 80°05.5′W
Fl 14M 14°16.5′N 80°24.0′W
Fl 13M 14°29.0′N 81°09.0′W
(9/82 Bogota)

E0903 1Ed. 8/8/81 LAST NM N34/82 N39/82
Add Depth 39 fathoms "Rep (1982)" 15°55.0′N 87°59.7′W
(16(975)82 Taunton)

E0903 1Ed. 8/8/81 LAST NM N39/82 N45/82
Change Light to Fl 20M and delete R Bn and legend "Exting (1976)" 15°50.0′N 87°57.8′W
(NVS6787/82)

E0903 1Ed. 8/8/81 LAST NM N45/82 N22/83
Add Depth 10 fathoms 5 feet "Rep (1983)" 10°05.6′N 87°09.5′W
(NVS6930/83)

E0903 1Ed. 8/8/81 LAST NM N22/83 N36/83
Add Depth 36 fathoms and relocate depth contour (100-fathom) close E to include above depth 16°04.5′N 81°11.5′W
(NVS7010/83)

E0903 1Ed. 8/8/81 LAST NM N36/83 N45/83
Delete Stranded wrecks
14°09.0′N 81°09.5′W
14°14.0′N 81°08.5′W
14°16.5′N 81°08.0′W
14°20.0′N 81°06.0′W
14°20.5′N 81°09.5′W

Add Stranded wreck 14°20.0′N 81°08.0′W
(BA CH 1218; US LL)

E0903 1Ed. 8/8/81 LAST NM N45/83 N52/83
Add Depths
75 fathoms "Rep (1983)" 12°32.5′N 88°14.9′W
37 fathoms "Rep (1983)" 12°24.7′N 88°17.2′W
65 fathoms "Rep (1983)" 12°29.1′N 88°25.3′W
255 fathoms "Rep (1983)" 12°20.0′N 88°20.4′W
(NVS0011/83)

E0903 1Ed. 8/8/81 LAST NM N52/83 N3/84
Add Depths
158 fathoms "Rep (1983)" (PA) 16°58.5′N 80°42.2′W
133 fathoms "Rep (1983)" (PA) 16°58.5′N 80°36.0′W
218 fathoms "Rep (1983)" (PA) 16°51.8′N 80°16.1′W
143 fathoms "Rep (1983)" (PA) 16°54.3′N 80°18.9′W
221 fathoms "Rep (1983)" (PA) 16°55.6′N 80°12.4′W
143 fathoms "Rep (1983)" (PA) 16°57.5′N 80°14.5′W
118 fathoms "Rep (1983)" (PA) 16°59.1′N 80°16.3′W
228 fathoms "Rep (1983)" (PA) 11°33.1′N 82°52.0′W
(NVS7147/83)

E0903 1Ed. 8/8/81 LAST NM N3/84 N6/84
Add Depths
155 fathoms "Rep (1983)" 11°15.7′N 82°50.0′W
6 fathoms "Rep (1983)" 16°53.2′N 80°48.2′W
(NVS7173, 7178/84)

E0903 1Ed. 8/8/81 LAST NM N6/84 N12/84
Add Depth 17 fathoms "Rep (1983)" (PA) 13°06.2′N 82°19.7′W
(NVS7194/84)

E0903 1Ed. 8/8/81 LAST NM N12/84 N13/84
Add Depth 96 fathoms "Rep (1983)" (PA) 11°30.8′N 80°05.5′W
(NVS7214/84)

E0903 1Ed. 8/8/81 LAST NM N13/84 N17/84
Add Depths
29 fathoms "Rep (1983)" (PA) 11°53.1′N 82°55.4′W
65 fathoms "Rep (1983)" (PA) 16°26.4′N 83°17.9′W
269 fathoms "Rep (1983)" (PA) 16°32.0′N 83°35.0′W
254 fathoms "Rep (1983)" (PA) 16°33.4′N 83°12.5′W
224 fathoms "Rep (1983)" (PA) 16°47.7′N 82°42.7′W
254 fathoms "Rep (1983)" (PA) 16°56.9′N 81°45.3′W
209 fathoms "Rep (1983)" (PA) 16°57.6′N 81°37.8′W
16 fathoms "Rep (1983)" (PA) 16°15.0′N 83°39.4′W
(NVS7226/84)

E0903 1Ed. 8/8/81 LAST NM N17/84 N26/84
Add Depths
201 fathoms "Rep (1984)" (PA) 16°16.6′N 83°54.4′W
183 fathoms "Rep (1984)" (PA) 16°12.4′N 85°33.9′W
147 fathoms "Rep (1984)" (PA) 16°12.2′N 86°50.5′W
103 fathoms "Rep (1984)" (PA) 16°12.2′N 87°03.0′W
116 fathoms "Rep (1984)" (PA) 16°11.9′N 87°14.8′W
(NVS7276/84)

E0903 1Ed. 8/8/81 LAST NM N26/84 N28/84
Add Depth 273 fathoms "Rep (1984)" (PA)
15°56.2′N 88°08.4′W
(NVS7282/84)

E0903 1Ed. 8/8/81 LAST NM N28/84 N27/85
Add Depths
6 fathoms 3 feet 16°05′05″N 86°11′48″W
9 fathoms 2 feet 16°05′14″N 86°17′08″W
(HNNM7478/85)

E0903 1Ed. 8/8/81 LAST NM N27/85 N41/85
Add Depth 5 fathoms 5 feet 16°03.8′N 86°29.9′W
(HNNM7586/85)

E0903 1Ed. 8/8/81 LAST NM N41/85 N3/86
Add Depths
250 fathoms (PA) 11°53.0′N 82°17.4′W
180 fathoms (PA) 11°53.7′N 82°47.2′W
(HNNM7658/85)

E0903 1Ed. 8/8/81 LAST NM N3/86 N14/86
Add Depth 16 fathoms "Rep (1985)"
enclosed by danger circle 15°59′N 81°01′W
(1(99)86 Taunton)

E0903 1Ed. 8/8/81 LAST NM N14/86 N51/86
Add Depths
287 fathoms "Rep (1986)" (PA) 13°36.8′N 80°28.7′W
219 fathoms "Rep (1986)" (PA) 13°27.6′N 80°27.1′W
(MCNM7858/86)

E0903 1Ed. 8/8/81 LAST NM N51/86 N24/87
Add Depths
184 fathoms "Rep (1987)" (PA) 14°24.2′N 80°03.9′W
292 fathoms "Rep (1987)" (PA) 14°21.7′N 80°00.8′W
(MCNM7942/87)

E0903 1Ed. 8/8/81 LAST NM N24/87 N49/87
Delete Depth 10 fathoms "Rep (1968)" 14°29.0′N 80°28.0′W

Add Depths
161 fathoms 16°05.7′N 87°33.5′W
9 fathoms 5 feet 16°03.5′N 87°26.9′W
10 fathoms 4 feet 16°15.5′N 87°22.0′W
19 fathoms 16°06.4′N 87°15.2′W
23 fathoms 16°07.8′N 87°16.2′W
11 fathoms 1 foot 16°23.1′N 86°21.2′W
12 fathoms 16°23.9′N 86°17.1′W
(MCNM8018, 8020/87)

E0903 1Ed. 8/8/81 LAST NM N49/87 N48/88
Delete Depths
27 fathoms "Rep (1965)" 16°58.8′N 82°17.1′W
10 fathoms 4 feet 16°15.5′N 87°22.0′W
(See N49/87-E0903)

Add Depth 10 fathoms 4 feet 16°06.3′N 87°22.0′W
(MCNM8169/88)

E0903 1Ed. 8/8/81 LAST NM N48/88 N29/89
Add Depths
277 fathoms "Rep (1988)" (PA) 16°33.0′N 85°13.1′W
239 fathoms "Rep (1988)" (PA) 16°32.1′N 85°24.3′W
386 fathoms "Rep (1988)" (PA) 16°26.8′N 85°37.5′W
(MCNM1074/89)

E0903 1Ed. 8/8/81 LAST NM N29/89 N4/93
Add Light Fl 14M 12°29.4′N 81°43.1′W
(25/92 Bogota)

E0903 1Ed. 8/8/81 LAST NM N4/93 N14/97
Delete Depth
201 fathoms "Rep (1984)" (PA) 16°16.6′N 83°54.4′W
183 fathoms "Rep (1984)" (PA) 16°12.4′N 85°33.9′W
147 fathoms "Rep (1984)" (PA) 16°12.2′N 86°50.5′W
103 fathoms "Rep (1984)" (PA) 16°12.2′N 87°03.0′W
116 fathoms "Rep (1984)" (PA) 16°11.9′N 87°14.8′W
(GIMM019/97)

E0903 1Ed. 8/8/81 LAST NM N14/97 N30/97
Delete Light 16°08′N 86°53′W
16°23′N 86°25′W
(17(1506)97 Taunton)

E0903 1Ed. 8/8/81 LAST NM N30/97 N33/97
Change Legend to "SERRAVILLA BANK Rep to
extend westward (1985)" 15°50.0′N 80°08.0′W
(GIMM001/97)

★**E0904** 1Ed. 5/7/83 NEW CHART N32/83
Delete Legend "Rep (1977)" 20°04.5′N 82°08.2′W

Add Depth 95 fathoms 17°03.5′N 80°23.0′W

Legend "(Correct through NM 19/83)"
in lower left margin of chart
(DMAHTC; NVS6151/80, 6958/83)

E0904 1Ed. 5/7/83 LAST NM N32/83 N37/83
Add Light Fl(2) 13M (PA) 18°36′N 87°20′W
(SCT 3(55)82 Mexico, D.F.; NVS7014/83)

E0904 1Ed. 5/7/83 LAST NM N37/83 N48/83
Change Visibility (range) of light to 19M 21°27.2′N 82°55.0′W
(3(7)83 Habana)

E0904 1Ed. 5/7/83 LAST NM N48/83 N52/83
Add Light Fl 15M 23°08.7′N 81°47.8′W
(10(34)83 Habana)

E0904 1Ed. 5/7/83 LAST NM N52/83 N3/84
Add Depths
288 fathoms "Rep (1983)" (PA) 17°00.7′N 81°02.2′W
108 fathoms "Rep (1983)" (PA) 17°00.9′N 80°26.5′W
108 fathoms "Rep (1983)" (PA) 17°00.2′N 80°18.4′W
(NVS7147/83)

E0904 1Ed. 5/7/83 LAST NM N3/84 N6/84
Add Lights
Fl(4) 11M (PA) 21°02.4′N 86°47.1′W
Fl 11M (PA) 20°46.3′N 86°58.0′W
(2(128, 130-82)83 Mexico, D.F.; BA LL)

E0904 1Ed. 5/7/83 LAST NM N6/84 N18/84
Add Depths
291 fathoms "Rep (1984)" (PA) 22°23.0′N 86°25.7′W
208 fathoms "Rep (1984)" (PA) 22°32.0′N 86°35.0′W
195 fathoms "Rep (1984)" (PA) 22°36.4′N 86°41.0′W
191 fathoms "Rep (1984)" (PA) 22°44.6′N 86°47.0′W
188 fathoms "Rep (1984)" (PA) 22°50.1′N 86°52.3′W
191 fathoms "Rep (1984)" (PA) 22°55.0′N 86°57.7′W
(NVS7234/84)

E0904 1Ed. 5/7/83 LAST NM N18/84 N32/84
Add Stranded wrecks 17°09.6′N 87°35.3′W
17°07.5′N 87°35.8′W
17°12.9′N 87°31.5′W
17°28.5′N 87°28.1′W

Stranded wreck (PA) 17°08.5′N 87°35.1′W
Stranded wreck (conspic) (PA) 17°16.9′N 87°31.5′W
(NVS7291/84; US CH 28167)

E0904 1Ed. 5/7/83 LAST NM N32/84 N28/85
Delete Depth 100 fathoms "Rep (1967)" 23°58′N 88°57′W

Add Depth 43 fathoms 23°39.5′N 89°05.5′W
(HNNM7491/85)

E0904 1Ed. 5/7/83 LAST NM N28/85 N30/86
Add Racon at light 22°18′N 84°40′W
(HNNM7687/86)

E0904 1Ed. 5/7/83 LAST NM N30/86 N45/86
Add Depths
9 fathoms "Rep (1986)" (PA) 21°53′N 86°20′W
8 fathoms "Rep (1986)" (PA) 21°57′N 86°25′W
(MCNM7841/86)

E0904 1Ed. 5/7/83 LAST NM N45/86 N14/87
Add Depth 112 fathoms "Rep (1986)" 23°50.1′N 87°28.5′W
(MCNM7923/87)

E0904 1Ed. 5/7/83 LAST NM N14/87 N17/87
Add Depth 49 fathoms "Rep (1965)" (ED) 17°03′N 87°38′W
(BA CH 1220)

E0904 1Ed. 5/7/83 LAST NM N17/87 N21/87
Add Depths
85 fathoms 18°21.5′N 83°44.0′W
11 fathoms 18°21.9′N 84°14.6′W
15 fathoms 18°48.7′N 83°14.9′W
(MCNM7936/87)

E0904 1Ed. 5/7/83 LAST NM N21/87 N36/88
Substitute Depth 8 fathoms enclosed by danger circle "Rep (1988)" for 20 fathoms "Rep (1979)" 23°37′N 87°19′W
(26(57)88 Hamburg)

E0904 1Ed. 5/7/83 LAST NM N36/88 N48/88
Delete Depths
17 fathoms 18°37.0′N 83°08.5′W
14 fathoms "Rep (1980)" (PA) 18°38.4′N 83°12.1′W
13 fathoms 18°34.1′N 83°24.8′W
4 fathoms "Rep (1956)" 18°29.3′N 83°50.9′W
15 fathoms 18°35.0′N 83°46.0′W
18 fathoms 18°35.0′N 83°50.0′W
21 fathoms "Rep (1955)" 18°43.4′N 84°07.3′W
10 fathoms "Rep (1968)" (PA) 18°43.1′N 84°04.8′W
17 fathoms 18°24.8′N 84°10.0′W
22 fathoms "Rep (1958)" 18°28.5′N 84°16.8′W
(MCNM8169/88)

E0904 1Ed. 5/7/83 LAST NM N48/88 N50/88
Substitute Depth 10 fathoms for 8 fathoms 20°23.5′N 80°27.8′W
(MCNM8169/88)

E0904 1Ed. 5/7/83 LAST NM N50/88 N48/90
Add Depth 229 fathoms 19°19.5′N 81°39.9′W
(MCNM1052/90)

E0904 1Ed. 5/7/83 LAST NM N48/90 N5/91
Delete Light 22°13.9′N 84°43.8′W

Change Visibility (range) of light to 40M 21°52.1′N 84°56.8′W

Characteristic of light to L Fl 22°42.3′N 84°01.2′W
(36(2758)87 Taunton; 5(65)89 Habana; Cuba LL)

E0904 1Ed. 5/7/83 LAST NM N5/91 N7/91
Delete Light 23°01.5′N 82°45.0′W

Change Visibility (range) of lights to
46M 23°00.0′N 83°13.0′W
12M 22°59.0′N 83°09.2′W
19M 23°00.0′N 82°58.8′W
43M 23°09.1′N 82°21.1′W
15M 23°11.0′N 82°00.7′W
19M 23°08.7′N 81°47.8′W
17M 23°05.9′N 81°28.0′W

Add Light Fl 17M 23°01.7′N 82°46.0′W
(MCNM1065/90)

E0904 1Ed. 5/7/83 LAST NM N7/91 N20/91
Change Visibility (range) of light to 43M 21°40.0′N 81°02.5′W
(BA LL)

E0904 1Ed. 5/7/83 LAST NM N20/91 N33/91
Change Visibility (range) of lights to
16M 23°00.0′N 83°13.0′W
18M 23°09.1′N 82°21.1′W
(Cuba LL)

E0904 1Ed. 5/7/83 LAST NM N33/91 N23/92
Add Light Fl 25M (PA) 21°44.8′N 80°01.0′W
(Cuba LL)

E0904 1Ed. 5/7/83 LAST NM N23/92 N47/92
Change Visibility (range) of light to 36M 22°42.9′N 84°01.2′W
(4(60)92 Habana)

E0904 1Ed. 5/7/83 LAST NM N47/92 N25/93
Delete Depth
32 fathoms "Rep (1959)" 23°54′N 87°21′W
22 fathoms "Rep (1979)" 23°52′N 87°34′W
34 fathoms "Rep (1978)" 23°41′N 87°36′W
(NVS7224/84)

E0904 1Ed. 5/7/83 LAST NM N25/93 N30/93
Delete Light 23°05.6′N 82°29.3′W

Add Light Fl 25M (PA) 23°03.5′N 82°32.6′W
(12(245)85, 1(16)93 Habana)

E0904 1Ed. 5/7/83 LAST NM N30/93 N32/94
Delete R Bn at light 21°52′N 84°57′W

Add Light Fl 25M 22°14.3′N 83°34.3′W
(1(18), 2(36, 40)94 Habana)

E0904 1Ed. 5/7/83 LAST NM N32/94 N5/95
Add Depth
13 fathoms "Rep (1994)" 20°55.4′N 86°36.0′W
150 fathoms "Rep (1994)" 18°32.4′N 86°58.0′W
500 fathoms "Rep (1994)" 18°19.0′N 87°04.0′W
(MCC004/95)

E0904 1Ed. 5/7/83 LAST NM N5/95 N6/95
Delete Light 23°11′N 82°01′W
(BA LL)

E0904 1Ed. 5/7/83 LAST NM N6/95 N16/95
Change Visibility (range) of light
to 18M 21°52′N 84°57′W
(BA LL)

E0904 1Ed. 5/7/83 LAST NM N16/95 N52/95
Change Visibility (range) of light to 25M 23°09.1′N 82°21.1′W

Add Light Fl 10M 23°05.6′N 82°29.4′W
(Cuba LL)

E0904 1Ed. 5/7/83 LAST NM N52/95 N1/96
Add Depth 18 fathoms "Rep (1995)" 18°42.5′N 84°04.0′W
(MCC063/95)

E0904 1Ed. 5/7/83 LAST NM N1/96 N12/96
Delete R Bn at light 22°02′N 80°26′W
(5(103)95 Habana)

E0904 1Ed. 5/7/83 LAST NM N12/96 N31/96
Change Visibility (range) of light to 24M 23°12.9′N 80°29.0′W

Add Submarine cable joining 21°05.5′N 86°46.5′W
21°05.2′N 86°37.5′W
21°07.6′N 86°33.2′W
21°17.1′N 86°25.6′W
21°20.0′N 86°15.8′W
(SMEA013/96; Cuba LL)

E0904 1Ed. 5/7/83 LAST NM N31/96 N33/96
Change Visibility (range) of light to
15M 21°44.8′N 80°01.0′W
23M 22°02.0′N 80°26.0′W
25M 21°40.0′N 81°02.5′W
17M 21°27.2′N 82°55.0′W
10M 21°45.5′N 84°31.0′W
22M 22°42.9′N 84°01.2′W
27M 23°00.0′N 83°13.0′W
10M 23°00.0′N 82°58.8′W
15M 23°08.7′N 81°47.8′W
10M 23°09.1′N 81°36.0′W
10M 23°14.5′N 81°07.5′W
(Cuba LL)

E0904 1Ed. 5/7/83 LAST NM N33/96 N46/96
Delete R Bn 20°28.5′N 86°58.0′W
R Bn (AERO) 18°30.9′N 88°18.0′W
(GIMM049/96)

E0904 1Ed. 5/7/83 LAST NM N46/96 N49/96
Add Dashed-line circle "Marine Farm" 21°44.6′N 83°15.3′W
21°52.3′N 83°20.8′W
(8(200, 201)96 Habana)

E0904 1Ed. 5/7/83 LAST NM N49/96 N23/97
Change Light to Fl 8M 22°59′N 83°09′W
(10(238)96 Habana; Cuba LL)

E0904 1Ed. 5/7/83 LAST NM N23/97 N11/98
Add Wreck (PA) 21°58′N 81°24′W
(4(93)97 Habana)

E0904 1Ed. 5/7/83 LAST NM N11/98 N14/98
Delete Wreck (PA) 21°58′N 81°24′W
(Supersedes N11/98-E0904)

Add Wreck 21°58′N 80°24′W
(10(256)97 Habana)

E0904 1Ed. 5/7/83 LAST NM N14/98 N37/98
Add Depth 23 fathoms "(Rep 1997)" 22°55.8′N 87°11.2′W
(GIMM065/97)

★E0916 1Ed. 11/10/84 NEW CHART N9/85
(DMAHTC)

E0916 1Ed. 11/10/84 LAST NM N9/85 N45/94
Add R Bn (AERO) 70°00.9′N 126°56.6′W
(17(558)94 Ottawa)

E0916 1Ed. 11/10/84 LAST NM N45/94 N30/97
Delete R Bn (AERO) 70°00.9′N 126°56.6′W
(3(206)97 Ottawa)

★E1001 2Ed. 6/4/88 NEW EDITION N35/88
(DMAHTC)

E1001 2Ed. 6/4/88 LAST NM N35/88 N36/96
Delete Legend "Rep (1963)" 1°41′N 92°07′W

Add Legend "Rep to lie 1 mile N (1996)" 1°39′N 92°00′W
(SMEA037/96)

★E1002 2Ed. 10/29/88 NEW EDITION N14/89
(DMAHTC)

★E1004 1Ed. 5/1/82 NEW CHART N29/82
Change Legend "CATALOG 1-N-S" to
"CATALOG 1-N-A" in upper
right corner of chart

Add R Bn 19°09.3′N 96°08.6′W
(DMAHTC; US CH 28302)

E1004 1Ed. 5/1/82 LAST NM N29/82 N51/90
Delete Depth 80 fathoms 19°56′N 92°24′W
(43(3112)90 Taunton)

E1004 1Ed. 5/1/82 LAST NM N51/90 N31/93
Delete R Bn (AERO) 20°58′N 97°23′W
(9(771)93 Taunton)

E1004 1Ed. 5/1/82 LAST NM N31/93 N46/96
Delete R Bn 22°14.9′N 97°50.1′W
19°09.3′N 96°08.6′W

R Bn (AERO) 20°12.5′N 96°45.0′W
18°39.0′N 91°48.1′W
(GIMM049/96)

★E1005 1Ed. 5/8/82 NEW CHART N30/82
Delete Buoy 26°00′N 90°00′W

Relocate Buoy (26°00′N 93°30′W) to 26°00′N 93°24′W
(DMAHTC; 15/80 CG8)

E1005 1Ed. 5/8/82 LAST NM N30/82 N14/84
Add Wreck (PA) 27°49′00″N 90°45′30″W
(10/84 CG8)

E1005 1Ed. 5/8/82 LAST NM N14/84 N36/85
Relocate Buoy (26°00′N 93°24′W) to 25°58′00″N 93°32′24″W
(34/85 CG8)

E1005 1Ed. 5/8/82 LAST NM N36/85 N22/91
Relocate Superbuoy ODAS (25°58.0′N 93°32.4′W) to
25°55.5′N 93°35.2′W
(MCNM1098/91)

E1005 1Ed. 5/8/82 LAST NM N22/91 N30/91
Add Obstruction "(cov 1443fms)" 25°58.0′N 93°32.4′W
(MCNM1116/91)

E1005 1Ed. 5/8/82 LAST NM N30/91 N26/94
Add Platform 27°32.8′N 92°26.6′W
(MCC1307/94)

E1005 1Ed. 5/8/82 LAST NM N26/94 N11/95
Delete R Bn 26°04′N 97°10′W
(USCG LL)

E1005 1Ed. 5/8/82 LAST NM N11/95 N21/95
Delete R Bn 28°56.6′N 95°18.1′W
(13/95 CG8)

E1005 1Ed. 5/8/82 LAST NM N21/95 N42/96
Delete R Bn 27°50′N 97°04′W
(SMEA009/96)

E1005 1Ed. 5/8/82 LAST NM N42/96 N17/98
Add Platform 27°44.0′N 91°59.6′W
(11/98 CG8)

E1005 1Ed. 5/8/82 LAST NM N17/98 N27/98
Add Platform 27°46.8′N 90°31.1′W
(20/98 CG8)

E1005 1Ed. 5/8/82 LAST NM N27/98 N30/98
Add Platform 28°02.1′N 90°01.4′W
(24/98 CG8)

E1005 1Ed. 5/8/82 LAST NM N30/98 N44/98
Add Wreck (PA) 27°35.0′N 90°45.0′W
(36/98 CG8)

E1005 1Ed. 5/8/82 LAST NM N44/98 N46/98
Add Platform 27°51.5′N 94°52.8′W
27°49.1′N 94°19.1′W
Wreck (PA) 27°51.3′N 94°53.0′W
(40/98 CG8; GIMM001/98)

★**E1016** 1Ed. 11/24/84 NEW CHART N9/85
(DMAHTC)

E1016 1Ed. 11/24/84 LAST NM N9/85 N38/97
Add Platform 70°30.1′N 144°55.6′W
(33/97 CG17)

E1016 1Ed. 11/24/84 LAST NM N38/97 N29/98
Delete R Bn (AERO) 70°29.8′N 149°52.1′W
(NOS)

★**E1101** 2Ed. 11/19/88 NEW EDITION N29/89
(DMAHTC)

★**E1102** 1Ed. 1/2/82 NEW CHART N15/82
(DMAHTC)

E1102 1Ed. 1/2/82 LAST NM N15/82 N33/82
Change Legend "CATALOG 1-N-S" to "CATALOG 1-N-A" in upper right corner of chart
(DMAHTC)

E1102 1Ed. 1/2/82 LAST NM N33/82 N52/82
Add Depth 60 fathoms "Rep (1982)" 5°05′N 108°18′W
(NVS6821/82)

★**E1103** 2Ed. 9/30/89 NEW EDITION N2/90
(DMAHTC)

★**E1104** 1Ed. 1/15/83 NEW CHART N14/83
(DMAHTC)

E1104 1Ed. 1/15/83 LAST NM N14/83 N37/83
Add Depth 165 fathoms "Rep (1983)" 19°11.5′N 105°00.0′W
Legend "(Correct through NM 3/83)" in lower left margin of chart
(NVS7017/83)

E1104 1Ed. 1/15/83 LAST NM N37/83 N39/83
Add Depth 165 fathoms "Rep (1983)" 22°56.0′N 109°31.9′W
(31(2035)83 Taunton)

E1104 1Ed. 1/15/83 LAST NM N39/83 N51/83
Add Depths
51 fathoms "Rep (1983)" 22°16′30″N 106°16′30″W
67 fathoms "Rep (1983)" 22°22′45″N 106°18′15″W
110 fathoms "Rep (1983)" 22°29′30″N 106°20′30″W
(NVS7119/83)

E1104 1Ed. 1/15/83 LAST NM N51/83 N38/85
Add Depth 255 fathoms (PA) 22°44.3′N 107°34.4′W
(HNNM7565/85)

E1104 1Ed. 1/15/83 LAST NM N38/85 N50/85
Add Depth 6 fathoms 1 foot "Rep (1985)" (PA) 19°16.1′N 105°01.0′W
(40(2676)85 Taunton)

E1104 1Ed. 1/15/83 LAST NM N50/85 N52/90
Change Light to Fl(2) 14M 17°16′N 101°03′W
(45(3245)90 Taunton)

★**E1116** 1Ed. 1/19/85 NEW CHART N40/85
(DMAHTC)

E1116 1Ed. 1/19/85 LAST NM N40/85 N29/98
Delete R Bn (AERO) 70°54.5′N 153°15.0′W
Relocate R Bn (AERO) close SW to 71°16.9′N 156°46.9′W
Add R Bn (AERO) 71°17.1′N 156°48.4′W
(NOS)

★**E1201** 1Ed. 3/31/84 NEW CHART N37/84
(DMAHTC)

★**E1202** 1Ed. 2/26/83 NEW CHART N25/83
(DMAHTC)

★**E1203** 1Ed. 3/5/83 NEW CHART N25/83
(DMAHTC)

★**E1204** 1Ed. 5/22/82 NEW CHART N29/82
Add Note in lower right margin of chart
"NOTE
Omega Australia Station G is scheduled to become operational in 1982. Users will be notified by Notice to Mariners and the normal Omega information sources when the station becomes usable for navigation."
(DMAHTC)

E1204 1Ed. 5/22/82 LAST NM N29/82 N39/83
Add Depth 123 fathoms "Rep (1983)" 22°53.0′N 110°06.0′W
(31(2035)83 Taunton)

★**E1205** 1Ed. 6/12/82 NEW CHART N32/82
Change Characteristic of light to Fl(3) 27°27.5′N 111°54.0′W
(DMAHTC; US LL)

E1205 1Ed. 6/12/82 LAST NM N32/82 N1/83
Add Depth 18 fathoms "Rep 1982" (ED) (PA) 23°05.4′N 110°47.6′W
(NVS6828/82)

E1205 1Ed. 6/12/82 LAST NM N1/83 N39/83
Add Depth 25 fathoms "Rep (1983)" 24°19.5′N 110°09.1′W
(31(2034)83 Taunton)

E1205 1Ed. 6/12/82 LAST NM N39/83 N6/84
Add Light Fl(2) 17M (PA) 26°06.2′N 111°17.0′W
(1(109-82)83 Mexico, D.F.; BA LL)

E1205 1Ed. 6/12/82 LAST NM N6/84 N7/84
Add Lights
Fl 12M (PA) 27°10.2′N 110°17.8′W
Fl 15M (PA) 27°57.5′N 111°07.2′W
Fl(2) 15M (PA) 28°53.2′N 112°35.6′W
(3(4-6)83 Mexico, D. F.)

E1205 1Ed. 6/12/82 LAST NM N7/84 N34/84
Add Depth 239 fathoms "Rep (1984)" 23°06.5′N 110°48.0′W
(NVS7302/84)

E1205 1Ed. 6/12/82 LAST NM N34/84 N37/85
Add Depths
66 fathoms "Rep (1985)" (PA) 28°32′00″N 115°30′30″W
65 fathoms "Rep (1985)" (PA) 28°33′00″N 115°33′00″W
(HNNM7553/85)

E1205 1Ed. 6/12/82 LAST NM N37/85 N15/86
Add Depth 96 fathoms "Rep (1986)" 24°45′N 110°10′W
(HNNM7737/86)

E1205 1Ed. 6/12/82 LAST NM N15/86 N43/86
Add Depth 115 fathoms (PA) 28°37.2′N 115°36.8′W
(MCNM7785/86)

★E1301 1Ed. 3/10/84 NEW CHART N39/84
(DMAHTC)

★E1302 1Ed. 12/19/81 NEW CHART N10/82
(DMAHTC)

E1302 1Ed. 12/19/81 LAST NM N10/82 N33/82
Change Legend "CATALOG 1-N-S" to "CATALOG 1-N-A" in upper right corner of chart
(DMAHTC)

★E1303 1Ed. 8/4/79 NEW EDITION N43/79
(DMAHTC)

★E1304 1Ed. 8/18/79 NEW CHART N42/79
(DMAHTC)

★E1305 1Ed. 8/18/79 NEW CHART N42/79
(DMAHTC)

★E1306 1Ed. 9/4/82 NEW CHART N47/82
(DMAHTC)

E1306 1Ed. 9/4/82 LAST NM N47/82 N43/83
Substitute Depth 320 fathoms for 300 fathoms 30°26.7′N 122°45.2′W
(NVS6883/83)

E1306 1Ed. 9/4/82 LAST NM N43/83 N53/88
Add Wreck 33°17.6′N 120°05.9′W
(49/88 CG11)

E1306 1Ed. 9/4/82 LAST NM N53/88 N29/90
Add Superbuoy ODAS "46023" 34°15.2′N 120°39.7′W
(23/90 CG11)

E1306 1Ed. 9/4/82 LAST NM N29/90 N21/91
Add Platform with light flare symbol 34°28.2′N 120°40.9′W

Buoys with light flare symbol 34°16.0′N 120°33.3′W
34°14.1′N 120°20.5′W
34°18.1′N 120°10.5′W
(MCNM1065/90; 16/91 CG11)

E1306 1Ed. 9/4/82 LAST NM N21/91 N23/91
Add Superbuoy ODAS with light flare symbol
34°52.9′N 120°52.1′W
(MCNM1098/91)

E1306 1Ed. 9/4/82 LAST NM N23/91 N16/92
Add Buoy with light flare symbol 34°28.2′N 120°47.1′W
(MCC1157/92)

E1306 1Ed. 9/4/82 LAST NM N16/92 N33/92
Add Superbuoy ODAS "46051" Y, Fl(4) Y 20s
34°28.6′N 120°41.2′W
(29/92 CG11)

E1306 1Ed. 9/4/82 LAST NM N33/92 N33/93
Delete R Bn at light 34°34.5′N 120°38.7′W
(29/93 CG11)

E1306 1Ed. 9/4/82 LAST NM N33/93 N37/93
Add Buoy (mooring) "G" Fl Y 4s Racon
(Priv maintd) 34°27′43″N 120°12′40″W
(32/93 CG11)

E1306 1Ed. 9/4/82 LAST NM N37/93 N42/94
Delete Superbuoy ODAS "46051" 34°28.6′N 120°41.2′W
(33/94 CG11)

E1306 1Ed. 9/4/82 LAST NM N42/94 N46/94
Delete Buoy 34°16.0′N 120°33.3′W
34°14.1′N 120°20.5′W
34°18.1′N 120°10.5′W
(41/91 CG11)

E1306 1Ed. 9/4/82 LAST NM N46/94 N11/95
Add Dashed-line circle with legend
"Subm buoy (cov 216fms)" 34°18.0′N 124°06.1′W
(MCC1395/94)

E1306 1Ed. 9/4/82 LAST NM N11/95 N13/95
Add Superbuoy ODAS with light flare symbol
34°16.1′N 120°26.9′W
(USCG LL)

E1306 1Ed. 9/4/82 LAST NM N13/95 N34/95
Delete Buoy (mooring) "G" 34°27′43″N 120°12′40″W
(29/95 CG11)

E1306 1Ed. 9/4/82 LAST NM N34/95 N40/96
Add Dashed line joining 34°09.0′N 120°00.0′W
34°06.6′N 120°12.7′W
34°11.5′N 120°19.5′W
34°12.4′N 120°25.0′W
34°11.6′N 120°27.6′W
34°12.3′N 120°32.3′W
34°10.9′N 120°36.0′W
34°06.1′N 120°38.5′W
33°57.0′N 120°31.9′W
33°54.8′N 120°22.5′W
33°55.0′N 120°19.4′W
33°50.7′N 120°15.2′W
33°47.6′N 120°06.1′W
33°49.5′N 120°00.0′W

Legend "MARINE SANCTUARY (see note)"
34°03.0′N 120°10.0′W

Note in upper right margin of chart
"NOTE
CHANNEL ISLANDS NATIONAL MARINE
SANCTUARY (protected area: 15 CFR 922)"
(SMEA041/96)

E1306 1Ed. 9/4/82 LAST NM N40/96 N49/96
Delete Superbuoy ODAS "46023" 34°15.2′N 120°39.7′W
(44/96 CG11)

E1306 1Ed. 9/4/82 LAST NM N49/96 N29/97
Add Superbuoy ODAS "46023" Y, Fl(4) Y 20s
34°42.8′N 120°58.0′W
(25/97 CG11)

E1306 1Ed. 9/4/82 LAST NM N29/97 N42/97
Add Superbuoys ODAS, each Y
"46024" QY 34°29′N 120°42′W
"46028" Fl(4) Y 20s 34°44′N 121°52′W
(29/97 CG11)

E1306 1Ed. 9/4/82 LAST NM N42/97 N8/98
Delete Superbuoy ODAS "46028" 34°44′N 121°52′W
(See N42/97-E1306)
(GIMM001/98)

E1306 1Ed. 9/4/82 LAST NM N8/98 N16/98
Delete Superbuoy ODAS "46024" 34°29′N 120°42′W
(See N42/97-E1306)
(35/97 CG11)

E1306 1Ed. 9/4/82 LAST NM N16/98 N48/98
Add Superbuoy ODAS "46063" Y,
Fl(4) Y 20s 34°15.1′N 120°39.9′W
(42/98 CG11)

★**E1307** 1Ed. 3/31/79 NEW CHART N21/79
(DMAHTC)

E1307 1Ed. 3/31/79 LAST NM N21/79 N12/89
Add Dashed-line circle with legend
"Subm buoy (cov 49fms)" 36°20.0′N 122°10.9′W
(MCNM1034/89)

E1307 1Ed. 3/31/79 LAST NM N12/89 N41/89
Add Buoy "B" Y, Fl Y 4s (Priv maintd) 36°41.4′N 122°23.3′W

Dashed-line circle with legend
"Subm buoy (covered 750 fathoms)"
36°42.5′N 122°19.2′W
(36/89 CG11)

E1307 1Ed. 3/31/79 LAST NM N41/89 N5/90
Delete Danger circle
"Subm buoy (cov 49fms)" 36°20.0′N 122°10.9′W
(See N12/89-E1307)

Add Danger circle
"Subm buoy (cov 53fms)" 36°20.1′N 122°10.3′W
"Subm buoy (cov 41fms)" 36°19.9′N 122°27.7′W
"Subm buoy (cov 44fms)" 35°28.3′N 121°45.1′W
(22, 52/89 CG11)

E1307 1Ed. 3/31/79 LAST NM N5/90 N43/90
Add Superbuoy ODAS "46014" Y, Fl(4) Y 10s
39°12.9′N 123°59.1′W
(39/90 CG11, USCG LL)

E1307 1Ed. 3/31/79 LAST NM N43/90 N11/91
Delete Danger circle and legend
"Subm buoy (cov 53fms)" 36°20.1′N 122°10.3′W

Dashed-line circle and legend
"Subm buoy (cov 750fms)" 36°42.5′N 122°19.2′W

Add Danger circle with legend
"Subm buoy (cov 52fms)" 36°19.9′N 122°10.3′W

Dashed-line circle with legend
"Subm buoy (cov 164fms)" 36°49.5′N 122°22.5′W
(22, 41/90 CG11)

E1307 1Ed. 3/31/79 LAST NM N11/91 N23/91
Add Superbuoy ODAS with light flare symbol
36°45.0′N 122°24.5′W
(MCNM1098/91)

E1307 1Ed. 3/31/79 LAST NM N23/91 N25/91
Delete Dashed-line circle and legend
"Subm buoy (cov 52fms)" 36°19.9′N 122°10.3′W
(See N11/91-E1307)

Add Dashed-line circle with legend
"Subm buoy (cov 53fms)" 36°20.2′N 122°10.4′W
(MCNM1108/91)

E1307 1Ed. 3/31/79 LAST NM N25/91 N30/91
Add Wreck (PA) 35°05.4′N 120°43.6′W

Obstructions
"(cov 263fms)" 36°45.9′N 122°13.5′W
"(cov 231fms)" 36°46.5′N 122°12.5′W
(MCNM1116/91; 24/91 CG11)

E1307 1Ed. 3/31/79 LAST NM N30/91 N35/92
Relocate Superbuoy ODAS "46014" close NE to
39°13.2′N 123°58.3′W
and change period to 20s

Add Superbuoy ODAS "46013" Y, Fl(4) Y 20s
38°13.6′N 123°17.9′W
(27/92 CG11)

E1307 1Ed. 3/31/79 LAST NM N35/92 N3/94
Delete R Bn at light 35°40.9′N 121°16.4′W
(50/93 CG11)

E1307 1Ed. 3/31/79 LAST NM N3/94 N5/94
Delete R Bn at light 37°59.7′N 123°01.0′W
(51/93 CG11)

E1307 1Ed. 3/31/79 LAST NM N5/94 N16/94
Delete R Bn at light 36°18.4′N 121°54.0′W
36°38.0′N 121°55.2′W
(10/94 CG11)

E1307 1Ed. 3/31/79 LAST NM N16/94 N18/94
Delete R Bn at light 37°42.8′N 123°00.0′W
(12/94 CG11)

E1307 1Ed. 3/31/79 LAST NM N18/94 N21/94
Add Superbuoy ODAS "46026" Y,
Fl(4) Y 20s 37°44.7′N 122°49.3′W
(16/94 CG11)

E1307 1Ed. 3/31/79 LAST NM N21/94 N29/94
Delete R Bn at light 38°57.3′N 123°43.9′W
(23/94 CG11)

E1307 1Ed. 3/31/79 LAST NM N29/94 N50/94
Change Visibility (range) of light to 20M 37°43.0′N 123°00.0′W

Add Superbuoy ODAS "46059" Fl(4) Y 37°59.0′N 129°59.8′W
(43/94 CG11)

E1307 1Ed. 3/31/79 LAST NM N50/94 N11/95
Delete Obstruction
"(cov 263fms)" 36°45.9′N 122°13.5′W
"(cov 231fms)" 36°46.5′N 122°12.5′W

Add Dashed-line circle with legend
"Subm buoy (cov 49fms)" 36°20.2′N 122°10.2′W
"Subm buoy (cov 44fms)' 37°06.6′N 124°04.6′W
(US CH 18680; MCC1395/94)

E1307 1Ed. 3/31/79 LAST NM N11/95 N23/95
Delete R Bn 37°50′N 122°33′W
(16/95 CG11)

E1307 1Ed. 3/31/79 LAST NM N23/95 N27/95
Delete R Bn at light 37°12.0′N 122°23.7′W
(21/95 CG11)

E1307 1Ed. 3/31/79 LAST NM N27/95 N28/95
Delete R Bn at light 36°57.0′N 122°01.5′W
(23/95 CG11)

E1307 1Ed. 3/31/79 LAST NM N28/95 N29/95
Delete Buoy 37°44′N 122°40′W
37°49′N 123°10′W

R Bn at light 35°21′N 120°52′W
(24/95 CG11; MCC003/95)

E1307 1Ed. 3/31/79 LAST NM N29/95 N34/95
Delete R Bn at light 35°09′N 120°46′W
(29/95 CG11)

E1307 1Ed. 3/31/79 LAST NM N34/95 N45/95
Delete Dashed-line circle and legend
"Subm...49fms)" 36°20.2′N 122°10.2′W
(See N11/95-E1307)

Change Legend at dashed-line circle to
"Subm buoy (cov 49fms)" 36°20.2′N 122°10.4′W
"Subm buoy (cov 46fms)" 36°19.9′N 122°27.7′W
(US CH 18680; MCC050/95)

E1307 1Ed. 3/31/79 LAST NM N45/95 N5/97
Add Buoy (waverider) Y, pillar,
Fl(5) Y 20s (Priv) 37°57′N 123°28′W
(50/96 CG11)

E1307 1Ed. 3/31/79 LAST NM N5/97 N11/97
Add Superbuoy ODAS "46028" Y, Fl(4) Y 20s
35°44.3′N 121°52.5′W
(7/97 CG11)

E1307 1Ed. 3/31/79 LAST NM N11/97 N42/97
Add Superbuoy ODAS "44062" Y, Fl(4) Y 20s
35°06′N 121°01′W
(29/97 CG11)

E1307 1Ed. 3/31/79 LAST NM N42/97 N42/98
Add Dashed-line circle with legend
"Subm buoy (cov 659fms)" 35°45.7′N 122°42.2′W
"Subm buoys (cov 219fms)" 36°17.7′N 122°29.0′W
"Subm buoys (cov 219fms)" 36°16.8′N 122°28.6′W
"Subm buoy (cov 109fms)" 36°16.0′N 122°28.4′W
(GIMM001/98)

★E1401 1Ed. 4/14/84 NEW CHART N37/84
(DMAHTC)

★E1402 1Ed. 12/26/81 NEW CHART N8/82
(DMAHTC)

E1402 1Ed. 12/26/81 LAST NM N8/82 N33/82
Change Legend "CATALOG 1-N-S" to
"CATALOG 1-N-A" in upper
right corner of chart
(DMAHTC)

★E1403 1Ed. 12/26/81 NEW CHART N9/82
(DMAHTC)

E1403 1Ed. 12/26/81 LAST NM N9/82 N33/82
Change Legend "CATALOG 1-N-S" to
"CATALOG 1-N-A" in upper
right corner of chart
(DMAHTC)

★E1404 2Ed. 8/27/88 NEW EDITION N52/88
(DMAHTC)

E1405 2Ed. 6/25/88 NEW EDITION N38/88
(DMAHTC)

★E1501 1Ed. 5/5/84 NEW CHART N37/84
(DMAHTC)

★E1502 1Ed. 3/19/83 NEW CHART N22/83
(DMAHTC)

★E1503 1Ed. 3/26/83 NEW CHART 24/83
(DMAHTC)

★E1504 2Ed. 10/1/88 NEW EDITION N32/89
(DMAHTC)

★E1601 1Ed. 4/21/84 NEW CHART N37/84
Delete Visibility (range) from light 1°58.0′N 157°28.0′W
(DMAHTC; BA LL)

★E1602 1Ed. 6/4/83 NEW CHART N33/83
(DMAHTC)

★E1603 1Ed. 6/5/82 NEW CHART N32/82
(DMAHTC)

★E1607 1Ed. 6/6/81 NEW CHART 30/81
(DMAHTC)

★E1608 1Ed. 1/31/81 NEW CHART N16/81
(DMAHTC)

★E1701 1Ed. 8/4/84 NEW CHART N44/84
(DMAHTC)

E1701 1Ed. 8/4/84 LAST NM N44/84 N19/88
Add Depth 351 fathoms 2°04.9′N 164°25.8′W
(MCNM8091/88)

★E1702 2Ed. 2/11/89 NEW EDITION N19/89
(DMAHTC)

★E1703 1Ed. 5/7/83 NEW CHART N30/83
Add Legend "(Correct through NM 19/83)"
in lower left margin of chart
(DMAHTC)

★E1704 1Ed. 9/18/82 NEW CHART N48/82
(DMAHTC)

E1704 1Ed. 9/18/82 LAST NM N48/82 N23/91
Add Superbuoy ODAS with light flare symbol
19°11.0′N 160°49.2′W
(MCNM1098/91)

E1704 1Ed. 9/18/82 LAST NM N23/91 N33/93
Relocate Superbuoy ODAS "51003"
(19°15.5′N 160°47.3′W) to 19°09.5′N 160°49.3′W
(28/93 CG14)

★E1705 1Ed. 8/14/82 NEW CHART N46/82
(DMAHTC)

E1705 1Ed. 8/14/82 LAST NM N46/82 N23/91
Relocate Superbuoy ODAS close NW to 23°25.1′N 162°20.1′W
(MCNM1098/91)

E1705 1Ed. 8/14/82 LAST NM N23/91 N30/91
Add Obstructions
"(cov 1371fms)" 23°24.0′N 162°18.0′W
"(cov 1454fms)" 23°26.7′N 162°18.0′W
(MCNM1115/91)

★E1707 1Ed. 3/7/81 NEW CHART N20/81
(DMAHTC)

E1707 1Ed. 3/7/81 LAST NM N20/81 N19/88
Add Depth 40 fathoms "Rep (1987)"
(PA) (ED) 36°17.9′N 163°15.9′W
(MCNM8089/88)

★E1707 1Ed. 3/7/81 LAST NM N19/88 N9/98
Add Depth 1813 fathoms 38°46.0′N 162°55.0′W
(GIMM011/98)

★E1712 1Ed. 5/14/83 NEW CHART N31/83
Add Legend "(Correct through NM 20/83)"
in lower left margin of chart
(DMAHTC)

E1712 1Ed. 5/14/83 LAST NM N31/83 N50/96
Add Wreck (PA) 56°48.9′N 162°35.9′W
(45/96 CG17)

★E1713 1Ed. 4/7/90 NEW CHART N28/90
(DMAHTC)

★E1714 1Ed. 3/10/90 NEW CHART N33/90
(DMAHTC)

★E1801 2Ed. 2/11/89 NEW EDITION N27/89
(DMAHTC)

★E1802 2Ed. 4/1/89 NEW EDITION N27/89
(DMAHTC)

★E1803 2Ed. 1/28/89 NEW EDITION N22/89
(DMAHTC)

★E1804 1Ed. 8/7/82 NEW CHART N46/82
(DMAHTC)

★E1806 1Ed. 2/14/81 NEW CHART N17/81
(DMAHTC)

★E1810 1Ed. 9/2/78 NEW CHART N46/78
(DMAHTC)

★E1811 1Ed. 3/28/81 NEW CHART N23/81
(DMAHTC)

★E1812 1Ed. 7/21/79 NEW CHART N38/79
(DMAHTC)

E1812 1Ed. 7/21/79 LAST NM N38/79 N23/91
Add Superbuoy ODAS with light flare symbol 56°57.7′N 177°44.0′W
(MCNM1098/91)

E1812 1Ed. 7/21/79 LAST NM N23/91 N15/95
Add Wreck (PA) 58°18.3′N 174°56.0′W
(8/95 CG17)

★E1901 1Ed. 9/22/79 NEW CHART N45/79
(DMAHTC)

E1901 1Ed. 9/22/79 LAST NM N45/79 N3/93
Add R Bn (AERO) 2°38.7′S 176°49.5′E

Depth 7 fathoms "Rep (1991)" 1°04.7′N 170°30.7′E
(40/92 Brest; MCC1226/93)

E1901 1Ed. 9/22/79 LAST NM N3/93 N4/96
Delete R Bn (AERO) 2°39′S 176°50′E
(BA RA)

E1901 1Ed. 9/22/79 LAST NM N4/96 N25/96
Add R Bn (AERO) 1°28.1′N 173°08.1′E
(BA RA; BA CH 700)

★E1902 1Ed. 6/23/79 NEW CHART N34/79
(DMAHTC)

E1902 1Ed. 6/23/79 LAST NM N34/79 N36/80
Add Danger circle "Breakers (rep 1980)" 6°33.8′N 177°33.0′E
(NVS6210/80)

E1902 1Ed. 6/23/79 LAST NM N36/80 N34/81
Add Depth 7 fathoms "Rep (1978)" 7°07′N 172°45′E
(5(145)78 Tokyo)

E1902 1Ed. 6/23/79 LAST NM N34/81 N2/98
Add R Bn (AERO) 7°04.1′N 171°16.9′E
(GIMM068/97)

★E1903 1Ed. 8/11/79 NEW CHART N42/79
(DMAHTC)

★E1903 1Ed. 8/11/79 LAST NM N42/79 N10/98
Relocate Latitude designation "30′" close S to 15°30.0′N 173°00.0′E
15°30.0′N 177°00.0′E
(GIMM012/98)

★E1904 1Ed. 8/11/79 NEW CHART N42/79
(DMAHTC)

★E1904 1Ed. 8/11/79 LAST NM N42/79 N44/98
Add Depth 950 fathoms "Rep (1998)" 18°24.6′N 177°57.0′E
(GIMM C002/98)

★E1905 1Ed. 6/30/79 NEW CHART N33/79
(DMAHTC)

★E1910 1Ed. 5/2/81 NEW CHART N30/81
(DMAHTC)

★E1911 1Ed. 6/20/81 NEW CHART N32/81
(DMAHTC)

★E1912 1Ed. 8/14/82 NEW CHART N46/82
Delete Note "OMEGA"...1982." in lower right margin of chart
(DMAHTC)

E1912 1Ed. 8/14/82 LAST NM N46/82 N4/91
Delete Depths
49 fathoms 58°57′N 171°16′E
47 fathoms 58°35′N 171°08′E
45 fathoms 58°08′N 171°05′E
(MCNM6951/83)

E1912 1Ed. 8/14/82 LAST NM N4/91 N35/95
Add Depth 216 fathoms 58°20.0′N 170°17.5′E
(29(2343)95 Taunton)

★E1913 1Ed. 5/29/82 NEW CHART N29/82
Add Note in upper left margin of chart
"NOTE
Omega Australia Station G is scheduled to become operational in 1982. Users will be notified by Notice to Mariners and the normal Omega information sources when the station becomes usable for navigation."
(DMAHTC)

★E2001 1Ed. 6/11/83 NEW CHART N37/83
Delete Rock which does not cover (PD) 0°28.5′S 167°12.2′E
(Previously published 36/83)

Add Dotted-line circle with legend
"Shoal (rep 1895)" (ED) 0°27.7′S 167°14.9′E
(Previously published 36/83)
(DMAHTC)

E2001 1Ed. 6/11/83 LAST NM N37/83 N24/88
Add Buoys, each orange and white, conical
"ET3" 1°57′N 165°02′E
"ET4" 1°52′S 164°53′E
(53(46)87 Brest)

E2001 1Ed. 6/11/83 LAST NM N24/88 N41/89
Delete Buoys
"ET 3" 1°57′N 165°02′E
"ET 4" 1°52′S 164°53′E
(26(60)89 Brest)

E2001 1Ed. 6/11/83 LAST NM N41/89 N47/95
Delete R Bn (AERO) 0°32′S 166°55′E
(BA RA)

★E2002 1Ed. 8/11/79 NEW CHART N42/79
(DMAHTC)

E2002 1Ed. 8/11/79 LAST NM N42/79 N2/85
Add Danger circle "Breakers Rep (1981)" 6°19.0′N 169°06.0′E
(NVS7373/84)

★E2003 1Ed. 8/25/79 NEW CHART N43/79
(DMAHTC)

★E2009 1Ed. 8/28/82 NEW CHART N47/82
(DMAHTC)

E2009 1Ed. 8/28/82 LAST NM N47/82 N41/83
Change Line 3 of Omega note in upper left margin of chart to "USE DMAHTC PUBS 224(103-C) A, C, D, E, G and H"

Line 6 of Omega note in upper left margin of chart to "Stations: (A-Norway) (C-Hawaii) (D-N.Dakota) (E-Reunion) (G-Australia) (H-Japan)"
(DMAHTC)

★E2010 1Ed. 8/28/82 NEW CHART N47/82
(DMAHTC)

★E2011 1Ed. 6/20/81 NEW CHART N32/81
(DMAHTC)

E2011 1Ed. 6/20/81 LAST NM N32/81 N47/82
Delete Depth 3 fathoms 1 foot 55°49.0′N 162°24.0′E
(NVS6800/82)

E2011 1Ed. 6/20/81 LAST NM N47/82 N6/83
Add Depth 7 fathoms "Rep (1964)" 55°35′N 165°01′E
(USSR CH 1087)

E2011 1Ed. 6/20/81 LAST NM N6/83 N35/95
Add Depth 199 fathoms 55°24.5′N 167°15.0′E
(29(2343)95 Taunton)

E2011 1Ed. 6/20/81 LAST NM N35/95 N24/97
Add "AREA 32 CAUTION NO 3" bound by purple dashed line joining
55°36′N 164°46′E
55°43′N 164°50′E
55°35′N 165°33′E
55°27′N 165°28′E

"AREA 34 CAUTION NO 3" bound by purple dashed line joining
55°20′N 167°06′E
55°28′N 167°06′E
55°28′N 167°32′E
55°20′N 167°32′E

Caution No 3 to CAUTIONS note in upper right margin of chart
"3. Mariners are warned to exercise caution within the area indicated. The detail of these areas has not been derived from adequate hydrographic surveys and uncharted dangers may exist."
(17(3000)96 St. Petersburg)

★E2012 1Ed. 8/21/82 NEW CHART N46/82
Delete Note "OMEGA...1982." in lower right margin of chart
(DMAHTC)

E2012 1Ed. 8/21/82 LAST NM N46/82 N7/91
Delete Light 56°01.5′N 162°04.1′E

Change Light to L Fl 20M 57°43.5′N 163°18.9′E
(MCNM8074/88)

★E2013 1Ed. 6/19/82 NEW CHART N33/82
(DMAHTC)

E2013 1Ed. 6/19/82 LAST NM N33/82 N19/87
Add Depth 44 fathoms 59°09.0′N 166°09.3′E
(MCNM0002/87)

E2013 1Ed. 6/19/82 LAST NM N19/87 N24/97
Add "AREA 37 CAUTION NO 3" bound by purple dashed line joining
59°04′N 165°54′E
59°14′N 165°54′E
59°14′N 166°22′E
59°04′N 166°22′E

Caution No 3 to CAUTIONS note in upper right margin of chart
"3. Mariners are warned to exercise caution within the area indicated. The detail of these areas has not been derived from adequate hydrographic surveys and uncharted dangers may exist."
(20(2999)96 St. Petersburg)

★E2102 1Ed. 8/11/79 NEW CHART N41/79
Delete Small purple circles within 100-fathom curve centered 7°25′N 151°50′E

Purple circles
6°49′N 158°10′E
6°50′N 158°17′E
6°51′N 158°20′E
5°17′N 153°40′E
8°10′N 154°16′E
(DMAHTC)

E2102 1Ed. 8/11/79 LAST NM N41/79 N52/83
Add Danger circle "Unexploded ordnance" (PA) 5°24.3′N 153°51.1′E
(NVS7125/83)

E2102 1Ed. 8/11/79 LAST NM N52/83 N31/85
Add Legend "Islets lie 2.8 miles SW" to islets 8°34.5′N 151°22.0′E
(NVS7161/84)

E2102 1Ed. 8/11/79 LAST NM N31/85 N38/86
Change Visibility (range) of light to 6M 7°29.6′N 151°59.0′E
(33/86 CG14)

E2102 1Ed. 8/11/79 LAST NM N38/86 N43/88
Delete Depths
50 fathoms 6°41.0′N 153°47.2′E
70 fathoms 6°36.6′N 153°49.1′E

Substitute Depths
2270 fathoms for 22 fathoms 6°32.4′N 153°50.3′E
750 fathoms for 250 fathoms 5°42.7′N 153°36.5′E
1070 fathoms for 107 fathoms 7°09.2′N 158°25.9′E

Add Depth 500 fathoms 6°46.0′N 153°44.3′E
(MCNM8152/88)

E2102 1Ed. 8/11/79 LAST NM N43/88 N34/93
Delete Legend "Islets lie 2.8 miles SW" 8°34.5′N 151°22.0′E
(MCC1268/93)

E2102 1Ed. 8/11/79 LAST NM N34/93 N41/95
Delete R Bn (AERO) 7°27.2′N 151°50.3′E
6°57.4′N 158°12.8′E

(BA RA)

★E2109 1Ed. 7/11/81 NEW CHART N35/81
Add Dashed-line circle "Volcanic activity rep (1978)" 46°06′N 151°30′E
(DMAHTC; NVS6455/81)

E2109 1Ed. 7/11/81 LAST NM N35/81 N29/85
Add Depth 42 fathoms (PA) 48°18.9′N 154°29.8′E
(HNNM7495/85)

E2109 1Ed. 7/11/81 LAST NM N29/85 N47/86
Delete Light 46°14′N 150°22′E

Add Light Oc 19M 46°14.0′N 150°34.5′E
(16(1197)86 Taunton)

E2109 1Ed. 7/11/81 LAST NM N47/86 N25/96
Add Light
Fl 15M 46°49.6′N 151°52.3′E
Fl 9M 46°13.5′N 150°20.1′E

Danger circle
"Volcanic Activity Rep (1980)" 46°31.8′N 151°46.7′E
(17(1439)96 Taunton; BA LL)

E2109 1Ed. 7/11/81 LAST NM N25/96 N18/97
Add R Bn at light 48°04.8′N 153°18.0′E
(BA RA)

E2109 1Ed. 7/11/81 LAST NM N18/97 N42/97
Delete Depth 44 fathoms 46°32′N 151°25′E
Dashed-line circle "Volcanic...(1978)" 46°06′N 151°30′E

Substitute Depth 725 fathoms for 1130 fathoms 47°04′N 151°09′E

Add Depth
583 fathoms 47°06′N 150°47′E
364 fathoms 46°55′N 150°30′E
238 fathoms 46°35′N 151°51′E
285 fathoms 46°44′N 152°18′E
418 fathoms 45°57′N 151°48′E
322 fathoms 45°46′N 151°04′E
540 fathoms 45°48′N 151°20′E

Legend "SEE CAUTION" 45°40′N 151°20′E

Caution note in lower right margin of chart
"CAUTION
Later date surveys indicate extensive changes in hydrography within this area."
(Rus CH 62247)

★**E2110** 1Ed. 7/25/81 NEW CHART N38/81
Add Depth 36 fathoms 50°29′N 157°32′E
R Bn at light 51°29′N 156°30′E
(DMAHTC; US CH 96028)

E2110 1Ed. 7/25/81 LAST NM N38/81 N50/83
Delete Depth 18 fathoms 49°43.2′N 154°05.3′E

Add Rock which covers and uncovers with legend "(uncovers 2 ft)" 49°42.7′N 154°07.2′E

Islet with legend "Skala Avos' (115ft above mean sea level)" 49°42.2′N 154°06.9′E

Dotted-line circle enclosing above rock and islet
(US CH 96880)

E2110 1Ed. 7/25/81 LAST NM N50/83 N43/84
Delete Depths
2 fathoms 4 feet 49°36.5′N 154°27.7′E
8 fathoms 49°48.8′N 155°11.8′E
6 fathoms 49°37.1′N 156°18.0′E
(29(1897)83 Taunton)

E2110 1Ed. 7/25/81 LAST NM N43/84 N20/86
Delete Light 52°53′N 158°42′E
Note: R Bn remains
(9(687)86 Taunton)

E2110 1Ed. 7/25/81 LAST NM N20/86 N47/86
Change Visibility (range) of light to 25M 52°04.1′N 158°19.9′E

Add Light Fl 20M at R Bn 50°46.0′N 156°12.5′E
(USSR LL)

E2110 1Ed. 7/25/81 LAST NM N47/86 N27/96
Delete R Bn 50°49′N 156°25′E
(BA RA)

E2110 1Ed. 7/25/81 LAST NM N27/96 N35/96
Delete R Bn 50°49′N 156°25′E
Light 52°37′N 158°33′E

Add Light Oc 25M 52°53′N 158°43′E
(BA RA; Rus CH 61036)

E2110 1Ed. 7/25/81 LAST NM N35/96 N44/96
Add Wreck 52°53.0′N 159°59.0′E
Light Fl 10M 52°46.6′N 158°37.4′E
Depth 63 fathoms Obstn 52°56.4′N 159°03.8′E
(SMEA004/96; Rus CH 61036)

E2110 1Ed. 7/25/81 LAST NM N44/96 N18/97
Add R Bn 52°26.0′N 158°31.0′E
(BA RA)

E2110 1Ed. 7/25/81 LAST NM N18/97 N24/97
Add "AREA 23 CAUTION NO 3" area bound purple dashed line joining 50°44′N 155°48′E
50°46′N 155°46′E
50°49′N 155°53′E
50°47′N 155°55′E

Caution No 3 to CAUTIONS note in upper right margin of chart
"3. Mariners are warned to exercise caution within the areas indicated. The detail of these areas has not been derived from adequate hydrographic surveys and uncharted dangers may exist."
(17(3001)96 St. Petersburg)

E2110 1Ed. 7/25/81 LAST NM N24/97 N30/97
Add R Bn 52°37′N 158°27′E
(BA RA; Rus CH 61036)

★**E2111** 1Ed. 9/3/83 NEW CHART N49/83
Delete Light 53°13.5′N 159°45.1′E
(DMAHTC; USSR CH 1087)

★**E2112** 1Ed. 6/25/83 NEW CHART N37/83
(DMAHTC)

★**E2113** 1Ed. 7/23/83 NEW CHART N38/83
Delete R Bn 59°30.3′N 150°33.0′E
(DMAHTC)

★**E2201** 1Ed. 7/7/79 NEW CHART N34/79
(DMAHTC)

E2201 1Ed. 7/7/79 LAST NM N34/79 N34/81
Add Depth 204 fathoms "Rep (1981)" 1°32′S 148°59′E
(26(384)81 Sydney)

E2201 1Ed. 7/7/79 LAST NM N34/81 N25/84
Add Depth 252 fathoms "Rep (1984)" 1°55.8′S 142°25.4′E
(NVS7271/84)

E2201 1Ed. 7/7/79 LAST NM N25/84 N5/85
Add Depths
300 fathoms "Rep (1984)" 2°35.0′S 146°12.5′E
370 fathoms "Rep (1984)" 2°12.5′S 145°05.8′E
312 fathoms "Rep (1984)" 3°00.0′S 147°48.0′E
(21(361)84 Sydney)

E2201 1Ed. 7/7/79 LAST NM N5/85 N17/85
Add Depth 157 fathoms "Rep (1984)" 2°44.1′S 146°57.1′E
(6(91)85 Sydney)

★**E2201** 1Ed. 7/7/79 LAST NM N17/85 N7/86
Add Depth
380 fathoms 1°22.2′S 144°43.0′E
295 fathoms (PA) 2°08.0′S 145°05.5′E
(HNNM7682/86)

E2201 1Ed. 7/7/79 LAST NM N7/86 N41/86
Add Depths
420 fathoms 1°49.0′S 143°59.2′E
274 fathoms 1°51.8′S 144°01.0′E
488 fathoms 1°59.0′S 144°06.0′E
(34(513)86 Sydney)

E2201 1Ed. 7/7/79 LAST NM N41/86 N10/87
Add Depth 367 fathoms (PA) 2°01.5′S 148°48.5′E
(MCNM7909/87)

E2201 1Ed. 7/7/79 LAST NM N10/87 N10/88
Substitute Depth 790 fathoms for 190 fathoms 1°19.3′S 148°52.3′E

Add Legend "(PA)" to depth 200 fathoms 1°37.3′S 146°54.0′E
(MCNM8061/88)

E2201 1Ed. 7/7/79 LAST NM N10/88 N28/95
Delete Depth 27 fathoms "Rep (1965)" 2°04.5′S 145°48.7′E

Legend "Rep (1984)"
Note: Depth remains 2°35.0′S 146°12.5′E

Add Depth
72 fathoms 2°30.1′S 146°49.0′E
8 fathoms 2°18.3′S 146°13.8′E
(17(223)95 Wollongong)

E2201 1Ed. 7/7/79 LAST NM N28/95 N27/97
Add Light symbol 2°19.1′S 140°06.7′E
(GIMM008/97)

★**E2202** 1Ed. 6/23/79 NEW CHART N33/79
(DMAHTC)

E2202 1Ed. 6/23/79 LAST NM N33/79 N44/84
Add Depth 22 fathoms "Rep (1984)" 7°17.1′N 146°54.3′E
(35(2296)84 Taunton)

E2202 1Ed. 6/23/79 LAST NM N44/84 N23/86
Delete Depths
6 fathoms 3 feet 8°05.0′N 146°30.0′E
26 fathoms 8°28.0′N 145°04.0′E
270 fathoms 8°31.4′N 145°02.6′E
10 fathoms "Rep (1948)" PA 7°33.3′N 149°21.0′E

Add Depth 10 fathoms "Rep (1948)" (PA) 7°32.2′N 149°22.0′E
(MCNM7760/86)

E2202 1Ed. 6/23/79 LAST NM N23/86 N48/95
Substitute Depth 185 fathoms for 179 fathoms 6°39′N 142°34′E
(35(2901)95 Taunton)

E2202 1Ed. 6/23/79 LAST NM N48/95 N10/96
Add Depth
16 fathoms 8°24.8′N 148°12.5′E
8 fathoms 4 feet 8°03.4′N 148°33.8′E
(3(201)96 Taunton)

E2202 1Ed. 6/23/79 LAST NM N10/96 N42/96
Add Depth 241 fathoms 9°35.7′N 140°25.8′E
(35(2945)96 Taunton)

★**E2209** 1Ed. 6/27/81 NEW CHART N42/81
(DMAHTC)

E2209 1Ed. 6/27/81 LAST NM N42/81 N35/83
Delete Depth 25 fathoms 45°46.2′N 143°42.7′E
(NVS7001/83)

E2209 1Ed. 6/27/81 LAST NM N35/83 N49/85
Delete Purple dashed line joining 48°41.4′N 144°30.9′E
48°20.1′N 144°30.9′E
48°18.1′N 144°37.1′E

Add Purple dashed-line arc of circle,
radius 12 miles, centered 48°30.2′N 144°37.6′E
lesser arc between 48°41.4′N 144°30.9′E
48°18.1′N 144°37.1′E
(1(27 I-12)85 Leningrad)

E2209 1Ed. 6/27/81 LAST NM N49/85 N19/86
Add Danger circle "Obstr (purse seine)" 46°10.3′N 140°52.0′E
(13(2398)86 Leningrad)

E2209 1Ed. 6/27/81 LAST NM N19/86 N13/90
Change Visibility (range) of light to 22M 48°47′N 141°51′E
(49(9155)89 Leningrad)

E2209 1Ed. 6/27/81 LAST NM N13/90 N6/93
Add Depth 96 fathoms "Rep (1988)" 47°20.7′N 141°37.5′E
(MCC1167/92)

E2209 1Ed. 6/27/81 LAST NM N6/93 N13/96
Add "DANGER AREA NO 20" bound by
purple composite line joining 49°00′N 145°27′E
48°42′N 145°27′E
48°42′N 145°09′E
48°55′N 144°42′E
49°00′N 144°36′E

"DANGER AREA NO 42" bound by
purple composite line joining 47°24′N 143°29′E
47°54′N 143°03′E
48°00′N 144°24′E
47°39′N 144°21′E
(40(5844)95 St. Petersburg)

E2209 1Ed. 6/27/81 LAST NM N13/96 N33/96
Add Light Fl 9M R Bn 45°25.5′N 147°55.0′E
(27(2251)96 Taunton; BA LL)

E2209 1Ed. 6/27/81 LAST NM N33/96 N39/96
Add Depth 295 fathoms 45°58′N 149°24′E
(17(1439)96 Taunton)

E2209 1Ed. 6/27/81 LAST NM N39/96 N50/96
Delete Depth
85 fathoms 48°41′N 141°02′E
90 fathoms 48°19′N 140°58′E
70 fathoms 48°12′N 141°18′E
80 fathoms 48°06′N 141°03′E
40 fathoms 48°02′N 141°06′E
40 fathoms 47°59′N 141°02′E
101 fathoms 47°42′N 140°17′E

Add Submarine cable joining 49°00′N 141°10′E
48°26′N 141°08′E
47°26′N 140°00′E
(Rus CH 62009)

E2209 1Ed. 6/27/81 LAST NM N50/96 N2/97
Delete "DANGER AREA NO 20" in vicinity 48°50′N 145°20′E
"DANGER AREA NO 42" 47°40′N 143°40′E
(See N13/96-E2209)

Add "AREA NO 20 CAUTION NO 3"bound by
purple dashed line joining 49°00′N 145°27′E
48°42′N 145°27′E
48°42′N 145°09′E
48°55′N 144°42′E
49°00′N 144°36′E

"AREA NO 42 CAUTION NO 3" bound by
purple dashed line joining 47°24′N 143°29′E
47°54′N 143°03′E
48°00′N 144°24′E
47°39′N 144°21′E

Caution No 3 to CAUTIONS note in
upper right margin of chart
"3. Mariners are warned to exercise
caution within the area indicated.
The detail of these areas has not
been derived from adequate
hydrographic surveys and uncharted
dangers may exist."
(GIMM059/96)

E2209 1Ed. 6/27/81 LAST NM N2/97 N42/97
Add Depth 961 fathoms 46°14′N 149°46′E
Legend "SEE CAUTION" 46°15′N 149°40′E

(continued on next page)

E2209 (Continued) 42/97
Caution note in lower right margin of chart
"CAUTION
Later date surveys indicate extensive changes in hydrography within this area."
(Rus CH 62274)

★E2210 1Ed. 5/28/83 NEW CHART N31/83
Add Legend "(Correct through NM 22/83)" in lower left margin of chart
(DMAHTC)

E2210 1Ed. 5/28/83 LAST NM N31/83 N52/92
Delete R Bn 50°06′N 140°42′E
(34(5515)92 St. Petersburg)

E2210 1Ed. 5/28/83 LAST NM N52/92 N13/96
Delete R Bn 51°44′N 143°19′E

Add "DANGER AREA NO 17" bound by purple composite line joining
53°00′N 144°44′E
52°58′N 144°44′E
52°58′N 144°07′E
53°00′N 144°07′E

"DANGER AREA NO 20" bound by purple composite line joining
49°00′N 145°27′E
50°00′N 144°47′E
50°32′N 144°35′E
50°32′N 144°00′E
49°00′N 144°40′E

R Bn
49°14′N 143°07′E
49°05′N 142°02′E
51°57′N 143°08′E
(40(5843, 5844)95 St. Petersburg; Rus LL)

E2210 1Ed. 5/28/83 LAST NM N13/96 N2/97
Delete "DANGER AREA NO 17" in vicinity 53°00′N 144°25′E
"DANGER AREA NO 20" 49°30′N 144°40′E
(See N13/96-E2210)

Add "AREA NO 17 CAUTION NO 3" bound by purple dashed line joining
53°00′N 144°44′E
52°58′N 144°44′E
52°58′N 144°07′E
53°00′N 144°07′E

"AREA NO 20 CAUTION NO 3" bound by purple dashed line joining
49°00′N 145°27′E
50°00′N 144°47′E
50°32′N 144°35′E
50°32′N 144°00′E
49°00′N 144°40′E

Caution No 3 to CAUTIONS note in upper right margin of chart
"3. Mariners are warned to exercise caution within the area indicated. The detail of these areas has not been derived from adequate hydrographic surveys and uncharted dangers may exist."
(GIMM059/96)

★E2211 1Ed. 7/23/83 NEW CHART N45/83
(DMAHTC)

E2211 1Ed. 7/23/83 LAST NM N45/83 N10/92
Relocate R Bn close W to 53°17.7′N 141°24.6′E
(46(7341)91 St. Petersburg)

E2211 1Ed. 7/23/83 LAST NM N10/92 N12/96
Add "DANGER AREA NO 17" bound by purple composite line joining
53°00′N 144°07′E
53°15′N 144°07′E
53°15′N 144°44′E
53°00′N 144°44′E
(40(5843)95 St. Petersburg)

E2211 1Ed. 7/23/83 LAST NM N12/96 N2/97
Delete "DANGER AREA NO 17" in vicinity 53°10′N 144°25′E
(See N12/96-E2211)

Add "AREA NO 17 CAUTION NO 3" bound by purple dashed line joining
53°00′N 144°07′E
53°15′N 144°07′E
53°15′N 144°44′E
53°00′N 144°44′E

Caution No 3 to CAUTIONS note in upper right margin of chart
"3. Mariners are warned to exercise caution within the area indicated. The detail of these areas has not been derived from adequate hydrographic surveys and uncharted dangers may exist."
(GIMM059/96)

E2211 1Ed. 7/23/83 LAST NM N2/97 N22/97
Substitute Light for radiobeacon
Fl 17M R Bn 53°57.0′N 140°19.1′E
L Fl 22M R Bn 53°17.7′N 141°24.6′E
Fl 24M R Bn 54°25.1′N 142°43.3′E
(BA LL)

★E2212 1Ed. 7/1/78 NEW CHART N34/78
(DMAHC)

★E2215 1Ed. 4/11/81 NEW CHART N23/81
(DMAHTC)

E2215 1Ed. 4/11/81 LAST NM N23/81 N16/95
Add Depth 65 fathoms Obstn 69°52.1′N 41°20.5′E
(50(7178)94 St. Petersburg)

E2215 1Ed. 4/11/81 LAST NM N16/95 N36/95
Add Danger circle "Obstn" 69°31.0′N 36°26.0′E

Wreck 69°23.0′N 40°50.0′E
(Rus CH 11114)

★E2217 1Ed. 12/19/81 NEW CHART N13/82
(DMAHTC)

★E2301 1Ed. 7/28/79 NEW CHART N39/79
(DMAHTC)

E2301 1Ed. 7/28/79 LAST NM N39/79 N52/80
Add "Explosives Dumping Area" bound by purple dashed line joining
0°40′S 136°20′E
0°40′S 136°25′E
0°45′S 136°25′E
0°45′S 136°20′E
(40(434)80 Jakarta)

E2301 1Ed. 7/28/79 LAST NM N52/80 N14/87
Delete Dangerous submerged rock (ED) 2°54′N 132°30′E
(MCNM7930/87)

E2301 1Ed. 7/28/79 LAST NM N14/87 N31/90
Add Depth 35 fathoms "Rep (1983)" 2°41.5′S 130°01.8′E
(Indo CH 406)

E2301 1Ed. 7/28/79 LAST NM N31/90 N14/93
Add Legend "Rep to lie 1 mile E (1992)" 0°56.0′N 134°30.0′E
(45(3333)92 Taunton)

E2301 1Ed. 7/28/79 LAST NM N14/93 N16/93
Add Depth 16 fathoms "Rep (1985)" 0°05.0′N 135°08.0′E
(50(60)92 Brest)

E2301 1Ed. 7/28/79 LAST NM N16/93 N44/96
Delete R Bn (AERO) 1°11′S 136°06′E
(BA RA)

E2301 1Ed. 7/28/79 LAST NM N44/96 N1/97
Add Light Fl 2°00.3′S 139°14.5′E
(GIMM058/96)

★**E2302** 1Ed. 9/1/79 NEW CHART N45/79
Delete Depth 15 fathoms 9°51.3′N 139°57.5′E

Add Depth 2 fathoms 3 feet 9°48′27″N 139°57′52″E
(RS2791/77)

E2302 1Ed. 9/1/79 LAST NM N45/79 N45/83
Relocate Tobi Island close W to 3°00.4′N 131°07.4′E
(NVS7086/83)

E2302 1Ed. 9/1/79 LAST NM N45/83 N5/87
Add Buoy "(Fishing)", orange, Ra Ref 9°21.5′N 138°58.0′E
(MCNM7873/87)

E2302 1Ed. 9/1/79 LAST NM N5/87 N16/93
Add Depth 22 fathoms "Rep (1988)" 3°35.0′N 133°57.0′E
(50(60)92 Brest)

E2302 1Ed. 9/1/79 LAST NM N16/93 N42/96
Add Depth
222 fathoms 7°57.7′N 137°19.0′E
369 fathoms 7°44.3′N 137°03.0′E
(35(2945)96 Taunton)

★**E2307** 1Ed. 7/18/81 NEW CHART N36/81
(DMAHTC)

E2307 1Ed. 7/18/81 LAST NM N36/81 N4/85
Change Light to Oc(2) 15M 35°33.0′N 135°40.0′E
(51(1570)84 Tokyo)

E2307 1Ed. 7/18/81 LAST NM N4/85 N44/86
Substitute Depth 5¼ fathoms for 6 fathoms 36°13.0′N 135°44.1′E
(35(1033)86 Tokyo)

E2307 1Ed. 7/18/81 LAST NM N44/86 N11/93
Delete R Bn 37°50.1′N 138°52.3′E
(MCC1231/93)

E2307 1Ed. 7/18/81 LAST NM N11/93 N33/93
Add Wreck 37°21′N 135°02′E
(MCC1265/93)

E2307 1Ed. 7/18/81 LAST NM N33/93 N4/94
Change Visibility (range) of light to 18M 37°31′N 130°48′E
37°29′N 130°55′E

Add Submarine cable joining 37°15.1′N 130°00.0′E
37°16.0′N 130°05.0′E
37°16.7′N 130°19.3′E
37°20.2′N 130°35.9′E
37°21.7′N 130°45.3′E
37°24.0′N 130°49.0′E
37°25.2′N 130°50.9′E
37°27.6′N 130°52.2′E
(34(345)93 Inchon; ROK LL)

E2307 1Ed. 7/18/81 LAST NM N4/94 N44/94
Add Superbuoy ODAS, red and yellow, Fl 37°54′N 134°31′E
(47(1828)93 Tokyo)

E2307 1Ed. 7/18/81 LAST NM N44/94 N10/95
Add Submarine cable joining 37°10.0′N 130°13.5′E
37°20.9′N 130°11.0′E
37°29.5′N 130°08.6′E
37°59.8′N 137°59.8′E
38°39.8′N 137°55.2′E
(3(46)95 Inchon)

E2307 1Ed. 7/18/81 LAST NM N10/95 N51/95
Delete Superbuoy ODAS 37°54′N 134°31′E

Add Superbuoy ODAS with Ra Ref 37°55′N 134°32′E
(45(1979)95 Tokyo)

E2307 1Ed. 7/18/81 LAST NM N51/95 N22/96
Delete R Bn 35°09′N 139°39′E
(16(32)96 Tokyo)

E2307 1Ed. 7/18/81 LAST NM N22/96 N23/96
Add Light Fl 17M 37°14.9′N 131°52.3′E
(US CH 95016; ROK LL)

E2307 1Ed. 7/18/81 LAST NM N23/96 N40/96
Change Light to Fl 23M 35°34.0′N 133°19.4′E
(Jpn CH 116; Jpn LL)

E2307 1Ed. 7/18/81 LAST NM N40/96 N4/97
Change Visibility (range) of light to 27M 36°03.7′N 132°57.5′E
(49(2325)96 Tokyo)

E2307 1Ed. 7/18/81 LAST NM N4/97 N5/97
Change Light to
Fl 18M 36°12.3′N 133°11.8′E
Fl 23M 39°11.9′N 139°33.9′E
(50(2342), 52(2403)96 Tokyo)

E2307 1Ed. 7/18/81 LAST NM N5/97 N24/97
Add R Bn 35°08.5′N 139°39.2′E
(14(22)97 Tokyo)

★**E2308** 2Ed. 5/9/92 NEW EDITION N34/92
Delete Light symbol 42°50.9′N 132°19.5′E
(DMAHTC; BA LL)

E2308 2Ed. 5/9/92 LAST NM N34/92 N11/93
Delete R Bn at lights 42°03.3′N 139°27.1′E
40°00.1′N 139°42.3′E

(MCC1231/93)

E2308 2Ed. 5/9/92 LAST NM N11/93 N36/94
Delete Depth 146 fathoms 41°06′N 130°27′E
(MCC1378/94)

E2308 2Ed. 5/9/92 LAST NM N36/94 N18/97
Add R Bn 43°01.1′N 131°56.7′E
(BA RA)

★**E2309** 1Ed. 6/19/82 NEW CHART N33/82
Change Light to Iso 16M R Bn 47°19.0′N 138°59.5′E
(DMAHTC; US LL)

E2309 1Ed. 6/19/82 LAST NM N33/82 N47/86
Change Light to Fl 17M 45°23′N 137°08′E
(BA LL)

★**E2401** 1Ed. 9/1/79 NEW CHART N44/79
Relocate Light 1 mile W to 1°23.6′N 125°09.8′E

Substitute Depth 9 fathoms "Rep (1974)" (PA) for
15 fathoms "Rep (1975)" 2°14.2′S 129°46.7′E

Change Visibility (range) of light to 15M 1°30.0′N 124°50.0′E

Add Depths
138 fathoms in 0°37.3′N 128°49.7′E
25 fathoms "Rep (1977)" 2°00.0′S 125°18.1′E
(DMA; Ind CH; 19,28/79Tntn; NVS5046/79; (424)77Jkrt)

E2401 1Ed. 9/1/79 LAST NM N44/79 N5/80
Add Dangerous submerged rock (ED) 2°15.5′S 122°48.8′E
Depth 218 fathoms "Rep (1979)" 1°12.3′S 129°10.0′E
(33(1975, 1976)79 Taunton)

E2401 1Ed. 9/1/79 LAST NM N5/80 N37/80
Add Depths
117 fathoms "Rep (1980)" 0°18.1′N 129°42.0′E
159 fathoms "Rep (1980)" 0°22.0′N 129°41.5′E
(29(1595)80 Taunton)

E2401 1Ed. 9/1/79 LAST NM N37/80 N52/80
Add "Explosives Dumping Area" bound by purple dashed line
joining 1°35′N 124°30′E
1°35′N 124°35′E
1°40′N 124°35′E
1°40′N 124°30′E
joining 1°16′N 125°23′E
1°16′N 125°28′E
1°13′N 125°28′E
1°13′N 125°23′E
(39(422)80 Jakarta)

E2401 1Ed. 9/1/79 LAST NM N52/80 N17/81
Add Depth 90 fathoms enclosed by depth contour (100-fathom) 2°49.0′S 125°41.0′E
(10(566)81 Taunton)

E2401 1Ed. 9/1/79 LAST NM N17/81 N23/82
Add Depth 55 fathoms "Rep (1976)" 0°07.5′N 129°01.5′E
(48(2413)76 Taunton)

E2401 1Ed. 9/1/79 LAST NM N23/82 N36/82
Add Depth 19 fathoms 2°00.5′S 124°11.4′E
(10(611)82 Taunton)

E2401 1Ed. 9/1/79 LAST NM N36/82 N39/83
Add Light Fl 20M 1°19.4′N 125°04.1′E
(31(2029)83 Taunton)

E2401 1Ed. 9/1/79 LAST NM N39/83 N21/85
Add Lights
Fl R 8M 2°03.5′S 125°59.3′E
Fl(2) 15M 1°31.4′S 128°44.9′E
(12(857, 858)85 Taunton)

E2401 1Ed. 9/1/79 LAST NM N21/85 N42/85
Delete Depth 35 fathoms 2°03.0′N 125°16.1′E

Add Depths
32 fathoms "Rep (1985)" 2°03.1′N 125°16.4′E
35 fathoms "Rep (1982)" 2°05.0′N 125°15.8′E
34 fathoms "Rep (1976)" 2°03.3′N 125°15.0′E
(17(1022)82, 34(2273)85 Taunton)

E2401 1Ed. 9/1/79 LAST NM N42/85 N16/86
Add Light Fl 12M 2°21.3′N 125°17.8′E
(3(241)86 Taunton)

E2401 1Ed. 9/1/79 LAST NM N16/86 N21/88
Add Light Fl(3) 20M 1°49.2′S 126°29.0′E
(10(77)88 Jakarta)

E2401 1Ed. 9/1/79 LAST NM N21/88 N33/89
Add R Bn at light 1°53.5′N 125°05.5′E
(23(193)89 Jakarta)

E2401 1Ed. 9/1/79 LAST NM N33/89 N15/93
Add Depth 7 fathoms 3 feet "Rep (1993)" 0°07.3′N 126°55.5′E
(7(49)93 Jakarta; 8(668)93 Taunton)

E2401 1Ed. 9/1/79 LAST NM N15/93 N33/93
Add Rock which does not cover "Rep (1990)" 2°08′S 128°32′E
(MCC1265/93)

E2401 1Ed. 9/1/79 LAST NM N33/93 N29/95
Add Depth 135 fathoms "Rep (1995)" 1°50.0′S 129°14.0′E
(19(1555)95 Taunton)

★**E2403** 1Ed. 5/29/82 NEW CHART N32/82
(DMAHTC)

E2403 1Ed. 5/29/82 LAST NM N32/82 N10/84
Add Depth 30 fathoms "Rep (1984)" 13°06.4′N 122°10.6′E
(NVS7196/84)

E2403 1Ed. 5/29/82 LAST NM N10/84 N13/87
Add Depth 76 fathoms 10°10.6′N 121°32.1′E
(Jpn CH 1608)

E2403 1Ed. 5/29/82 LAST NM N13/87 N40/88
Delete Depths
15 fathoms 12°24.5′N 121°53.0′E
14 fathoms 11°32.0′N 121°20.0′E
59 fathoms 11°00.5′N 126°01.5′E
(MCNM8116/88)

E2403 1Ed. 5/29/82 LAST NM N40/88 N8/90
Change Light to Fl 20M 12°45′N 124°17′E
(49(1734)89 Tokyo)

E2403 1Ed. 5/29/82 LAST NM N8/90 N24/95
Add Depth 86 fathoms 10°05.4′N 120°07.8′E
(15(1279)95 Taunton)

E2403 1Ed. 5/29/82 LAST NM N24/95 N40/95
Change Characteristic of light to Oc 13°53.6′N 120°01.7′E
(33(2756)95 Taunton)

E2403 1Ed. 5/29/82 LAST NM N40/95 N15/96
Delete Depth 12 fathoms 12°37.1′N 120°34.5′E

Add Depth 2 fathoms 2 feet 12°37.1′N 120°35.3′E
(9(787)96 Taunton)

E2403 1Ed. 5/29/82 LAST NM N15/96 N35/96
Change Light to Fl(3) 23M 14°23′N 120°35′E
(BA LL)

E2403 1Ed. 5/29/82 LAST NM N35/96 N37/96
Change Visibility (range) of light to 18M 11°20.4′N 124°06.6′E
(BA LL)

★**E2404** 1Ed. 5/29/82 NEW CHART N29/82
Change Light to Al Fl WR 5s 25M 18°34.0′N 122°07.5′E
(DMAHTC; US LL)

E2404 1Ed. 5/29/82 LAST NM N29/82 N39/83
Delete R Bn (AERO) 18°10.7′N 120°31.4′E
(BA RA)

E2404 1Ed. 5/29/82 LAST NM N39/83 N12/84
Substitute Islet for danger circle and purple circle 21°45.8′N 120°49.0′E
(Twn CH 0307)

E2404 1Ed. 5/29/82 LAST NM N12/84 N4/85
Delete Depth 7 fathoms 21°11.5′N 120°53.0′E
(NVS7381/85)

E2404 1Ed. 5/29/82 LAST NM N4/85 N29/86
Add Depth 22 fathoms 21°10.4′N 120°52.3′E
(NVS7382/85)

E2404 1Ed. 5/29/82 LAST NM N29/86 N51/86
Add Wreck (PA) 22°00.1′N 122°53.0′E
(53/86 Tso-ying)

E2404 1Ed. 5/29/82 LAST NM N51/86 N32/88
Add R Bn at light 22°40.1′N 121°28.0′E
(21(1618)88 Taunton)

E2404 1Ed. 5/29/82 LAST NM N32/88 N11/89
Substitute Depth 1400 fathoms for 14 fathoms 21°41.9′N 122°10.0′E
(MCNM1028/89)

E2404 1Ed. 5/29/82 LAST NM N11/89 N40/90
Add Depth 17 fathoms 20°06.0′N 121°50.0′E
(17(1316)90 Taunton)

E2404 1Ed. 5/29/82 LAST NM N40/90 N17/93
Add R Bn 22°05′N 121°30′E
(11/93 Tso-ying)

E2404 1Ed. 5/29/82 LAST NM N17/93 N45/95
Delete Danger circle "Breakers Rep (1950)" 21°22′N 120°49′E
(MCC036/95)

E2404 1Ed. 5/29/82 LAST NM N45/95 N50/95
Delete Depth 15 fathoms 21°30′N 120°55′E
(MCC034/95)

E2404 1Ed. 5/29/82 LAST NM N50/95 N5/96
Add Depth 16 fathoms 20°02.1′N 121°51.3′E
(47(3888)95 Taunton)

E2404 1Ed. 5/29/82 LAST NM N5/96 N38/96
Add Submarine cable joining 22°03′N 120°35′E
21°54′N 120°29′E
21°52′N 120°29′E
21°37′N 120°47′E
21°29′N 121°02′E
(SMEA005/96)

E2404 1Ed. 5/29/82 LAST NM N38/96 N48/96
Add Depth 180 fathoms "Rep (1996)" 19°13′N 121°14′E
(GIMM C02/96)

★**E2405** 1Ed. 8/21/82 NEW CHART N40/82
Delete Light 27°19.5′N 128°34.2′E
Legend "Fl(2) 22M" 27°23.4′N 128°27.5′E

Note "OMEGA...operation" in lower right margin of chart

Change Light to Fl(3) 11M 26°22.8′N 120°29.7′E

Visibility (range) of light
to 24M 26°44.8′N 128°19.8′E
19M 27°52.7′N 128°53.6′E
18M 27°26.8′N 128°42.0′E
27°53.3′N 128°58.3′E
(DMAHTC; Jpn LL; Cna LL)

E2405 1Ed. 8/21/82 LAST NM N40/82 N42/82
Change Visibility (range) of light to 18M 27°53.3′N 128°58.3′E
(See 40/82-E2405)
(Jpn LL)

E2405 1Ed. 8/21/82 LAST NM N42/82 N48/82
Delete Depths 1
fathoms "Rep (1962)" 27°20.6′N 129°07.5′E
8 fathoms 4 feet "Rep (1962)" 27°18.5′N 129°06.3′E
15 fathoms "ED Rep (1960)" 27°15.0′N 129°02.1′E
15 fathoms "Rep (1955)" 27°12.8′N 127°29.0′E
5 fathoms 5 feet "Rep (1961)" 26°55.0′N 127°30.4′E
5 fathoms "Rep (1961)" 26°49.8′N 127°29.2′E
7 fathoms "Rep (1960)" 25°04.0′N 126°12.5′E
(41(1199)82 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N48/82 N42/83
Delete Sonar confirmed non-submarine contact symbol 25°10.4′N 121°22.5′E
(35(2255)83 Taunton)

E2405 1Ed. 8/21/82 LAST NM N42/83 N10/84
Delete Depth 10 fathoms "Rep (1968)" 26°05.4′N 128°10.0′E
(3(76)84 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N10/84 N25/84
Add Wreck 24°36.9′N 121°55.2′E
(15/84 Tso-ying)

E2405 1Ed. 8/21/82 LAST NM N25/84 N36/84
Add Dangerous submerged rock (ED) 27°47′N 125°14′E
(26(844)84 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N36/84 N39/84
Add Depth 10 fathoms 5 feet Wk (unsurveyed) (PA) 27°00.0′N 121°11.0′E
(31(2044)84 Taunton)

E2405 1Ed. 8/21/82 LAST NM N39/84 N50/84
Delete Depth 12 fathoms "Rep (1946)" 25°40.1′N 127°35.2′E
(38(1214)84 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N50/84 N3/85
Delete Dangerous submerged rock (ED) 27°47′N 125°14′E
(Supersedes N36/84-E2405)
(48(1501)84 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N3/85 N8/85
Add Depths
265 fathoms "Rep (1984)" (PA) 24°16.0′N 122°42.3′E
279 fathoms "Rep (1984)" (PA) 24°34.0′N 122°53.5′E
(NVS7392/85)

E2405 1Ed. 8/21/82 LAST NM N8/85 N15/85
Change Light to Iso 21M 24°36.4′N 124°19.0′E
(8(195)85 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N15/85 N17/85
Change Light to Iso 18M 24°28.0′N 123°48.9′E
(10(251)85 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N17/85 N18/85
Add Buoys, each Mo(U) 16s
"1" 27°06.0′N 129°23.0′E
"2" 27°18.8′N 129°16.8′E
"3" 27°12.1′N 129°38.7′E
"4" 26°52.8′N 129°29.3′E
"5" 27°00.5′N 129°08.5′E
Submarine cable between 27°06.0′N 129°23.0′E
26°38.9′N 128°21.1′E
(NVS7436/85)

E2405 1Ed. 8/21/82 LAST NM N18/85 N19/85
Add Depth 293 fathoms "Rep (1985)" (PA) 24°10.6′N 122°37.3′E
(NVS7449/85)

E2405 1Ed. 8/21/82 LAST NM N19/85 N25/85
Substitute Depth 41 fathoms "Rep (1985)" for 53 fathoms "Rep (1965)" 27°50′30″N 128°02′18″E
(HNNM7471/85)

E2405 1Ed. 8/21/82 LAST NM N25/85 N33/85
Delete Depths
14 fathoms "Rep (1978)" 28°07′N 126°47′E
24 fathoms "Rep (1945)" 27°11′N 126°08′E
9 fathoms 5 feet "(Rep 1946)" 25°35′N 126°13′E
(27(825)85 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N33/85 N37/85
Add Depths
62 fathoms 24°33.0′N 122°13.8′E
258 fathoms "Rep (1985)" (PA) 28°33.7′N 128°11.5′E
(29(1911)85 Taunton; HNNM7522/85)

E2405 1Ed. 8/21/82 LAST NM N37/85 N2/86
Substitute Depth 78 fathoms for 94 fathoms 28°52.5′N 129°32.0′E
(47(1402)85 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N2/86 N8/86
Change Light to Iso 19M 26°42.0′N 128°01.0′E
(50(1466)85 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N8/86 N15/86
Delete Depths
24 fathoms "Rep (1964)" 25°44.1′N 126°36.5′E
12 fathoms "Rep (1951)" 25°56.5′N 127°19.2′E
13 fathoms "Rep (1964)" 27°23.0′N 125°56.0′E
12 fathoms 26°49.0′N 125°20.0′E
30 fathoms 25°49.5′N 126°34.7′E
(6(148)86 Tokyo; Jpn CH 1004A; 16(104)85 Cna)

E2405 1Ed. 8/21/82 LAST NM N15/86 N41/86
Add Dashed-line circle with legend 26°06.9′N 127°57.8′E
"Discol water (1986)"
(MCNM7818/86)

E2405 1Ed. 8/21/82 LAST NM N41/86 N42/86
Add Depth 67 fathoms "Rep (1986)" 27°30.3′N 127°43.3′E
(MCNM7822/86)

E2405 1Ed. 8/21/82 LAST NM N42/86 N47/86
Delete Depth 23 fathoms 28°15.0′N 126°59.0′E
(Jpn CH 1004A)

E2405 1Ed. 8/21/82 LAST NM N47/86 N48/86
Add Superbuoy "ODAS", Fl Ra Ref 28°12′N 126°21′E
(39(1173)86 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N48/86 N2/87
Add Depth 12 fathoms "Rep (1986)" 25°38.9′N 122°32.8′E
(39(2836)86 Taunton)

E2405 1Ed. 8/21/82 LAST NM N2/87 N11/87
Change Light to Iso 22M 24°03.1′N 123°47.4′E
(2(55)87 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N11/87 N30/87
Delete Danger circle "Obstr Rep (1938)" 28°52.0′N 128°59.0′E

Add Depth 1 fathom 1 foot 28°51.0′N 128°58.3′E
(18(545)87 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N30/87 N45/87
Add Submarine cable joining 26°44.0′N 127°58.0′E
26°47.2′N 127°58.6′E
27°15.2′N 128°23.3′E
27°13.0′N 128°39.0′E
27°13.0′N 128°57.5′E
27°30.0′N 129°22.0′E
(32(895)87 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N45/87 N52/87
Relocate Superbuoy ODAS close S to 28°10′N 126°20′E
(41(1190)87 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N52/87 N4/88
Change Lights to
Fl(2) 20M 28°28.0′N 129°37.0′E
Iso 19M 28°17.0′N 129°56.1′E
(48(1377, 1378)87 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N4/88 N8/88
Add Dashed-line circle
"Discol water Rep (1987)" 27°41.0′N 128°20.5′E
(46(3494)87 Taunton)

E2405 1Ed. 8/21/82 LAST NM N8/88 N18/88
Delete Light 26°22.0′N 126°43.0′E

Add Light Iso 20M 26°22.1′N 126°43.9′E
(8(249)88 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N18/88 N51/88
Delete Depths
5 fathoms "Rep (1923)" 25°50.5′N 120°39.0′E
12 fathoms "Rep (1905)" 25°28.5′N 120°19.0′E
8 fathoms "Rep (1954)" 25°26.5′N 120°07.5′E
17 fathoms "Rep (1953)" 25°24.0′N 120°07.0′E
10.5 fathoms "Rep (1929)" 25°22.0′N 120°01.0′E
9.5 fathoms 25°29.0′N 120°25.5′E
15 fathoms 26°06.0′N 120°42.0′E

Dotted-line circle and legend
"Rep (1920)" 25°53.5′N 120°27.9′E
(13(73)88 Tianjin; Cna CH 9201)

E2405 1Ed. 8/21/82 LAST NM N51/88 N19/89
Delete Buoy "2" 27°19.0′N 129°16.9′E
(MCNM1054/89)

E2405 1Ed. 8/21/82 LAST NM N19/89 N19/90
Delete Light 25°09′N 121°44′E

Change Visibility (range) of light to 14M 25°12′N 121°47′E
(15, 17/90 Tso-ying)

★**E2405** 1Ed. 8/21/82 LAST NM N19/90 N9/93
Add Depth 26 fathoms 26°24.4′N 125°04.2′E
(MCC1167/92)

E2405 1Ed. 8/21/82 LAST NM N9/93 N45/94
Add Light symbol 28°04′N 121°32′E
(14(103)94 Tianjin)

E2405 1Ed. 8/21/82 LAST NM N45/94 N9/95
Add Dangerous wreck "Rep (1994)" 27°14′N 121°01′E
(18(121)94 Tianjin)

E2405 1Ed. 8/21/82 LAST NM N9/95 N11/95
Add Depth 216 meters "Rep (1995)" 28°30.9′N 128°10.5′E
(MCC C04/95)

E2405 1Ed. 8/21/82 LAST NM N11/95 N16/95
Add Danger circle "Explosives" 26°03.0′N 120°05.1′E
(Cna CH 9310)

E2405 1Ed. 8/21/82 LAST NM N16/95 N37/95
Add Superbuoy Mo(U) 8s Ra Ref 24°27.6′N 125°06.6′E
25°59.5′N 128°00.5′E
(29(1246), 31(1339)95 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N37/95 N2/96
Delete Islet and legend "TAISHO-JIMA' 25°54.2′N 124°34.0′E

Add Islet with legend "SEKIBI-SHO" 25°55.2′N 124°33.4′E
(Jpn CH 1203)

E2405 1Ed. 8/21/82 LAST NM N2/96 N14/96
Add Wreck 25°14.4′N 121°44.2′E
25°41.9′N 121°39.5′E
(12, 14/96 Tso-ying)

E2405 1Ed. 8/21/82 LAST NM N14/96 N30/96
Add Superbuoy Mo(U) 8s Ra Ref 26°40.4′N 126°56.8′E
(24(1163)96 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N30/96 N32/96
Add Superbuoy Mo(U) 8s Ra Ref 26°21.4′N 128°18.7′E
(27(1307)96 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N32/96 N34/96
Add Submarine cable between 24°55′N 122°01′E
25°00′N 122°08′E
(5/96 Tso-ying)

E2405 1Ed. 8/21/82 LAST NM N34/96 N38/96
Add Wreck (PA) 25°30′N 120°50′E
(15/96 Tso-ying)

E2405 1Ed. 8/21/82 LAST NM N38/96 N40/96
Change Visibility (range) of light to 14M 24°20.8′N 123°41.8′E
and add light flare symbol
(Jpn LL; Jpn CH 1289)

E2405 1Ed. 8/21/82 LAST NM N40/96 N5/97
Add Superbuoy Mo(U) 8s Ra Ref 24°09.6′N 124°20.3′E
(50(2347)96 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N5/97 N19/97
Add Dangerous wreck (PA) 28°24.0′N 123°49.7′E
(7(295)87 Tokyo)

E2405 1Ed. 8/21/82 LAST NM N19/97 N28/97
Delete Light and legend "SEA BERTH" 26°23′N 128°58′E
(BA LL)

★**E2406** 1Ed. 6/26/82 NEW CHART N33/82
Change Light to Iso, F 14M 32°46.0′N 128°39.0′E
(DMAHTC; US LL)

E2406 1Ed. 6/26/82 LAST NM N33/82 N45/82
Add Depth 174 fathoms 30°11′12″N 129°37′15″E
(NVS6791/82)

E2406 1Ed. 6/26/82 LAST NM N45/82 N9/83
Change Fog signal to SIREN at light 34°47.0′N 125°47.4′E
(2(24)83 Seoul)

E2406 1Ed. 6/26/82 LAST NM N9/83 N27/85
Add Danger circle "Unexploded Ordnance"
29°38.0′N 122°46.3′E
(9(52)85 China)

E2406 1Ed. 6/26/82 LAST NM N27/85 N52/85
Add Depth 19 fathoms 33°18.1′N 129°01.4′E
(Jpn CH 1212)

E2406 1Ed. 6/26/82 LAST NM N52/85 N7/86
Add Depth 19 fathoms 32°59.3′N 128°44.8′E
(Jpn CH 1212)

E2406 1Ed. 6/26/82 LAST NM N7/86 N22/86
Add Legend "R Bn" 31°58.0′N 121°44.3′E
(6(38)86 China)

E2406 1Ed. 6/26/82 LAST NM N22/86 N43/86
Add Depths
200 fathoms 29°26.4′N 129°02.0′E
231 fathoms 29°25.0′N 129°00.9′E
(MCNM7830/86)

E2406 1Ed. 6/26/82 LAST NM N43/86 N46/86
Add Depth 194 fathoms "Rep (1986)" 30°19.0′N 128°07.5′E
(MCNM7842/86)

E2406 1Ed. 6/26/82 LAST NM N46/86 N52/86
Add Depth 154 fathoms "Rep (1986)" (PA)
29°54.3′N 129°23.6′E
(MCNM7862/86)

E2406 1Ed. 6/26/82 LAST NM N52/86 N20/87
Delete Depth 174 fathoms 30°11.2′N 129°37.3′E

Add Depth 177 fathoms 30°12.0′N 129°36.5′E
(Jpn CH 1222)

E2406 1Ed. 6/26/82 LAST NM N20/87 N26/87
Add Light Fl 26M 34°06.1′N 129°10.2′E
(14(442)87 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N26/87 N29/87
Delete Depth 10 fathoms "Rep (1947)" 30°58.0′N 128°53.0′E

Change Legends to "Rep (1987) ED" 29°59.0′N 129°10.0′E
29°56.1′N 129°15.0′E
29°52.0′N 129°04.0′E
29°46.5′N 128°55.0′E
29°45.0′N 128°41.5′E
30°32.0′N 129°38.0′E

Add Legend "Rep (1987) ED" to depths
11 fathoms 29°55.0′N 129°06.0′E
11 fathoms 29°54.0′N 129°02.0′E
11 fathoms 29°52.0′N 128°55.0′E
(MCNM7951/87; 38(1145)79 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N29/87 N30/89
Add Depth 73 fathoms 29°19.5′N 129°15.2′E
(22(714)89 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N30/89 N10/90
Substitute Depth 380 fathoms for 38 fathoms 31°05.8′N 128°57.0′E
(MCNM1013/90)

E2406 1Ed. 6/26/82 LAST NM N10/90 N26/90
Substitute Depth 77 fathoms "Rep (1990)" (PA)
for 91 fathoms 31°36.4′N 127°51.0′E
(MCNM1021/90)

E2406 1Ed. 6/26/82 LAST NM N26/90 N31/90
Add Fl 37M 30°49.8′N 129°57.9′E
(17(570)90 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N31/90 N34/90
Substitute Depth 20 fathoms for 39 fathoms 30°30.5′N 129°29.0′E
(18(599)90 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N34/90 N17/91
Add Superbuoy ODAS, yellow 29°30.0′N 124°05.0′E
(42(554)90 Hamburg)

E2406 1Ed. 6/26/82 LAST NM N17/91 N11/93
Delete R Bn at lights 32°36.8′N 128°36.5′E
30°51.5′N 129°27.9′E
(MCC1231/93)

E2406 1Ed. 6/26/82 LAST NM N11/93 N25/93
Change Light to Fl(3) 24M SIREN 34°42.7′N 125°12.3′E
(14(134)93 Inchon)

E2406 1Ed. 6/26/82 LAST NM N25/93 N49/93
Add Light
Fl 17M 33°43.7′N 126°21.6′E
Fl 17M 33°18.5′N 126°09.0′E
Fl 18M 34°00.5′N 126°19.8′E
Fl 18M 34°22.5′N 125°56.5′E
Fl 18M 34°42.8′N 125°24.5′E
Fl 18M 34°52.3′N 125°58.2′E
(30(310)92, 30(302, 304)93 Inchon)

E2406 1Ed. 6/26/82 LAST NM N49/93 N45/94
Change Visibility (range) of light
to 23M 34°06′N 125°06′E
(27(291)94 Inchon)

E2406 1Ed. 6/26/82 LAST NM N45/94 N7/95
Add Light Fl 18M 34°11.4′N 127°04.9′E
34°45.8′N 125°26.7′E
(2(36, 40)95 Inchon)

E2406 1Ed. 6/26/82 LAST NM N7/95 N22/95
Add Danger circle "Spoil Ground" 33°45.7′N 128°53.9′E
(13(89)95 Inchon)

E2406 1Ed. 6/26/82 LAST NM N22/95 N30/95
Add Wreck 34°35.9′N 129°37.7′E
(25(1065)95 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N30/95 N34/95
Change Light to Fl(2) 8M Racon 34°42′N 125°27′E
(21(288)95 Inchon; ROK LL)

E2406 1Ed. 6/26/82 LAST NM N34/95 N37/95
Relocate Superbuoy ODAS (29°30′N 124°05′E) to
29°29.3′N 124°00.0′E
(26(2087)95 Taunton)

E2406 1Ed. 6/26/82 LAST NM N37/95 N47/95
Add Wreck 34°54.5′N 128°58.4′E
(28(389)95 Inchon)

E2406 1Ed. 6/26/82 LAST NM N47/95 N2/96
Add Wreck "Rep (1995)" (PA) 29°22.4′N 122°29.6′E
29°23.9′N 122°36.6′E
(15(105)95 Tianjin)

E2406 1Ed. 6/26/82 LAST NM N2/96 N8/96
Add Dangerous wreck (Masts) 34°01.7′N 121°52.4′E
(23(153)95 Tianjin)

E2406 1Ed. 6/26/82 LAST NM N8/96 N27/96
Add Wreck 34°33.4′N 129°14.8′E
(20(957)96 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N27/96 N30/96
Add Wreck (PA) 34°39.2′N 128°54.9′E
(18(356)96 Inchon)

E2406 1Ed. 6/26/82 LAST NM N30/96 N37/96
Add Wreck 34°03.3′N 127°34.7′E
(22(393)96 Inchon)

E2406 1Ed. 6/26/82 LAST NM N37/96 N38/96
Substitute Depth 2 fathoms 3 feet for
2 fathoms 5 feet 32°08′N 125°12′E

Add Wreck 31°24.9′N 125°47.6′E
(23(404, 405)96 Inchon)

E2406 1Ed. 6/26/82 LAST NM N38/96 N41/96
Add Dangerous wreck (PA) 34°35.8′N 121°25.8′E
(16(142)96 Tianjin)

E2406 1Ed. 6/26/82 LAST NM N41/96 N42/96
Add Dangerous wreck (PA) 34°33′N 129°13′E
34°05′N 125°10′E
(25(436)96 Inchon)

E2406 1Ed. 6/26/82 LAST NM N42/96 N9/97
Delete Dangerous wreck (Masts) 34°02′N 121°52′E

Add Light Fl 12M 34°56.0′N 128°58.5′E
(2(28)97 Inchon; 23(185)96 Tianjin)

E2406 1Ed. 6/26/82 LAST NM N9/97 N19/97
Add Dangerous wreck (PA) 30°48.0′N 124°37.0′E

Submarine cable joining 33°10.0′N 129°39.0′E
33°02.0′N 129°31.0′E
32°39.0′N 129°29.0′E
32°25.0′N 129°23.0′E
32°24.0′N 129°28.0′E
32°24.0′N 129°23.0′E
32°20.0′N 129°21.0′E
31°47.0′N 128°57.0′E
31°30.0′N 128°55.0′E
31°24.0′N 129°03.0′E
30°53.0′N 128°58.0′E
30°45.0′N 128°50.0′E
29°00.0′N 128°25.0′E
(7(289, 294)97 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N19/97 N25/97
Add Submarine cable joining 33°25.6′N 126°58.3′E
33°26.3′N 127°04.9′E
34°00.2′N 127°33.0′E
34°14.5′N 127°31.3′E
34°23.6′N 127°25.0′E
34°29.4′N 127°25.0′E
34°31.0′N 127°27.0′E
(3(43)97 Inchon)

E2406 1Ed. 6/26/82 LAST NM N25/97 N27/97
Add Depth 18 meters Wk 31°26.0′N 124°20.0′E
Wreck 34°58.2′N 129°17.9′E
(ROK CH 802; 15(223)97 Inchon)

E2406 1Ed. 6/26/82 LAST NM N27/97 N31/97
Add Wreck (PA) 30°43.0′N 123°01.0′E
Wreck 31°20.6′N 126°53.1′E
Depth 42 fathoms 29°55.1′N 127°03.0′E
(10(448)96 Tokyo; 11(118, 119)97 Tianjin)

E2406 1Ed. 6/26/82 LAST NM N31/97 N32/97
Add Wreck 33°22.9′N 126°58.5′E
(19(279)97 Inchon)

E2406 1Ed. 6/26/82 LAST NM N32/97 N42/97
Add Light Fl 16M 33°55.2′N 126°38.4′E
(26(391)97 Inchon)

E2406 1Ed. 6/26/82 LAST NM N42/97 N46/97
Add Wreck 31°21.1′N 126°10.0′E
(PA) 30°03.5′N 126°08.8′E
(31(1413), 36(1629)97 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N46/97 N50/97
Add Wreck 34°07.2′N 125°19.9′E

Submarine cable
joining 34°45.8′N 128°39.5′E
34°42.8′N 128°48.4′E
34°33.7′N 128°51.7′E
34°00.2′N 128°30.9′E
32°41.7′N 128°01.8′E
32°31.0′N 128°01.6′E
32°12.7′N 128°03.5′E
30°59.2′N 129°26.9′E
30°57.0′N 130°00.0′E

joining 32°12.7′N 128°03.5′E
31°04.7′N 128°05.2′E
30°29.5′N 128°05.7′E
30°09.8′N 128°05.9′E
29°48.6′N 128°00.6′E
29°42.0′N 127°57.0′E
(31(473, 474, 477)97 Inchon)

E2406 1Ed. 6/26/82 LAST NM N50/97 N52/97
Change Visibility (range) of light to 17M 34°40.6′N 127°56.9′E
(32(494)97 Inchon)

E2406 1Ed. 6/26/82 LAST NM N52/97 N7/98
Add Wreck (PA) 33°38.3′N 122°33.0′E
(23(231)97 Tianjin)

E2406 1Ed. 6/26/82 LAST NM N7/98 N9/98
Add Dangerous wreck 34°14.9′N 126°47.1′E
(3(47)98 Inchon)

E2406 1Ed. 6/26/82 LAST NM N9/98 N12/98
Delete Wreck (PA) 30°43.0′N 123°01.0′E
(See N31/97-E2406)

Add Depth 10½ fathoms Wk 30°43.5′N 122°59.6′E
(14(141)97 Tianjin)

E2406 1Ed. 6/26/82 LAST NM N12/98 N16/98
Add Wreck 33°57.2′N 127°05.9′E
(8(131)98 Inchon)

E2406 1Ed. 6/26/82 LAST NM N16/98 N28/98
Add Wreck 33°59.5′N 127°45.3′E
(16(274)98 Inchon)

E2406 1Ed. 6/26/82 LAST NM N28/98 N32/98
Delete R Bn at light 31°59′N 128°21′E
(12(522)98 Tokyo)

E2406 1Ed. 6/26/82 LAST NM N32/98 N37/98
Add Dangerous wreck (PA) 32°40.4′N 122°59.8′E
(14(126)98 Tianjin)

E2406 1Ed. 6/26/82 LAST NM N37/98 N47/98
Add Wreck 32°26.2′N 127°00.6′E
(28(462)98 Inchon)

E2406 1Ed. 6/26/82 LAST NM N47/98 N52/98
Delete Depth 26 fathoms "Rep (1965)" 30°33′N 126°18′E
(32(1344)98 Tokyo)

★**E2501** 1Ed. 8/11/79 NEW CHART N40/79
(DMAHTC)

E2501 1Ed. 8/11/79 LAST NM N40/79 N36/80
Delete Depths
12 fathoms 1°10.0′N 119°07.5′E
14 fathoms 1°08.0′N 119°06.0′E

(continued on next page)

E2501 (Continued) 36/80
Add Depths
21 fathoms 1°18.4′N 119°00.6′E
11 fathoms 1°21.6′N 118°59.5′E
11 fathoms 1°10.1′N 119°06.3′E
(NVS4066/79; 30(1657)80 Taunton)

E2501 1Ed. 8/11/79 LAST NM N36/80 N29/81
Delete Legend "Breakers Rep (1950)" 2°57′S 118°17′E
(NVS6436/81)

E2501 1Ed. 8/11/79 LAST NM N29/81 N51/83
Add Depths
12 fathoms 2°57.8′S 118°22.1′E
10 fathoms 3 feet 2°42.6′S 118°11.3′E
9 fathoms 3 feet 2°40.6′S 118°09.2′E
(NVS7123/83)

E2501 1Ed. 8/11/79 LAST NM N51/83 N21/84
Add Danger circle with legend
"Unexploded Ordnance (rep 1984)" 0°15.0′S 119°00.0′E
(11(99)84 Jakarta)

E2501 1Ed. 8/11/79 LAST NM N21/84 N8/85
Add Depth 40 fathoms "Rep (1984)" (PA) 0°06.5′N 117°42.5′E
(NVS7392/85)

E2501 1Ed. 8/11/79 LAST NM N8/85 N9/85
Add Danger circle "Obstr" 0°40.0′S 119°01.8′E
(44(389)84 Jakarta)

E2501 1Ed. 8/11/79 LAST NM N9/85 N19/86
Add Depth 23 fathoms "Rep (1985)" 0°04.1′N 117°43.5′E
(MCNM7751/86)

E2501 1Ed. 8/11/79 LAST NM N19/86 N33/89
Add R Bn at light 0°59.5′N 118°59.0′E
(23(190)89 Jakarta)

E2501 1Ed. 8/11/79 LAST NM N33/89 N36/95
Add Racon at light 0°59.5′N 118°59.0′E
(BA RA)

★**E2502** 1Ed. 9/24/83 NEW CHART N49/83
Change Lights to
Fl(2) 10M 6°57.1′N 113°35.2′E
Fl(4) 20M 5°34.8′N 119°13.0′E
(DMAHTC; BA LL)

E2502 1Ed. 9/24/83 LAST NM N49/83 N51/83
Change Light to Fl(4) 20M 5°24.8′N 119°13.0′E
(See N49/83-E2502)
(BA LL)

E2502 1Ed. 9/24/83 LAST NM N51/83 N33/84
Delete Depth 3 fathoms, blue tint,
enclosing depth contour and legend
"Owen Shoal ED" in vicinity 8°09′N 111°59′E
(NVS7290/84)

E2502 1Ed. 9/24/83 LAST NM N33/84 N32/85
Add Depth 122 fathoms "Rep (1984) 5°47.3′N 119°51.5′E
(HNNM7516/85)

E2502 1Ed. 9/24/83 LAST NM N32/85 N31/86
Add Depth 142 fathoms (PA) 9°08.3′N 111°50.2′E
(MCNM7783/86)

E2502 1Ed. 9/24/83 LAST NM N31/86 N37/86
Add Legend "Rep larger in area (1986)" 7°18.0′N 113°41.0′E
(31(2261)86 Taunton)

E2502 1Ed. 9/24/83 LAST NM N37/86 N1/89
Add Dangerous submerged rock
"Rep (1976)" (PA) 7°59.5′N 118°03.5′E
(36(2722)88 Taunton)

E2502 1Ed. 9/24/83 LAST NM N1/89 N24/95
Add Depth
164 fathoms 9°00.0′N 115°28.2′E
310 fathoms 8°22.0′N 119°31.8′E
(15(1278, 1279)95 Taunton)

E2502 1Ed. 9/24/83 LAST NM N24/95 N45/95
Add Depth
299 fathoms 9°08.2′N 119°50.3′E
150 fathoms 9°04.8′N 119°42.6′E
(38(3142)95 Taunton)

E2502 1Ed. 9/24/83 LAST NM N45/95 N12/96
Add Platform "M1PQ-A" 5°22.2′N 111°00.2′E
(6(518)96 Taunton)

E2502 1Ed. 9/24/83 LAST NM N12/96 N15/96
Add Light symbol 7°48.8′N 110°28.4′E
8°09.4′N 110°35.5′E
8°02.0′N 110°37.0′E
7°52.2′N 111°44.5′E
8°50.7′N 112°11.7′E
(49(43, 46)95 Brest)

E2502 1Ed. 9/24/83 LAST NM N15/96 N24/96
Add Light Fl(3) 16M 9°43.5′N 118°45.9′E
(15(1294)96 Taunton)

E2502 1Ed. 9/24/83 LAST NM N24/96 N44/96
Add Depth 31 fathoms "Rep (1976)" (ED) 8°18′N 110°12′E
(SMEA005/96)

E2502 1Ed. 9/24/83 LAST NM N44/96 N12/97
Add Depth 5 fathoms 4 feet "Rep (1996)" 7°40.7′N 118°11.5′E
(2(171)97 Taunton)

E2502 1Ed. 9/24/83 LAST NM N12/97 N28/97
Add Light symbol 7°52.6′N 112°54.1′E
(GIMM047/96; 12(1065)97 Taunton)

★**E2602** 1Ed. 6/25/83 NEW CHART N37/83
Delete R Bns (AERO) 5°23′N 103°06′E
6°09′N 102°17′E
7°11′N 100°36′E
8°29′N 99°57′E
(DMAHTC; US RA)

E2602 1Ed. 6/25/83 LAST NM N37/83 N39/83
Add Depth 7 fathoms "Rep (1983)" 9°43′N 109°07′E
(NVS7025/83)

E2602 1Ed. 6/25/83 LAST NM N39/83 N33/85
Add Depth 53 fathoms 8°21.0′N 109°53.0′E
(24(1610)85 Taunton)

E2602 1Ed. 6/25/83 LAST NM N33/85 N35/89
Add Depth 320 fathoms 8°48.2′N 109°39.9′E
(MCNM1078/89)

E2602 1Ed. 6/25/83 LAST NM N35/89 N39/90
Add Depths
64 fathoms "Rep (1989)" 9°55.8′N 109°55.0′E
65 fathoms "Rep (1989)" 9°51.4′N 109°50.5′E
(MCNM1021/90)

E2602 1Ed. 6/25/83 LAST NM N39/90 N45/90
Add Depths
7.5 fathoms 7°22.2′N 109°01.4′E
6.8 fathoms "Rep (1990)" (PA) 7°23.0′N 108°57.0′E
(MCNM1047/90; 24(1610)85 Taunton)

E2602 1Ed. 6/25/83 LAST NM N45/90 N6/91
Add Depth 16 fathoms 7°15′N 103°04′E
(36(49)90 Brest)

E2602 1Ed. 6/25/83 LAST NM N6/91 N13/91
Add Depth 233 fathoms "Rep (1990)" 8°16.0′N 109°38.0′E
(MCNM1079/91)

E2602 1Ed. 6/25/83 LAST NM N13/91 N28/95
Add "Dai Hung Oil Field" area bound by purple composite line joining
8°30.0′N 108°45.0′E
8°25.0′N 108°40.0′E
8°25.0′N 108°38.0′E
8°27.0′N 108°36.0′E
8°29.0′N 108°36.0′E
8°34.0′N 108°41.0′E

Legend "SEE CAUTION NO 3" 8°35.0′N 108°45.0′E

Caution No 3 to CAUTIONS note in upper right margin of chart
"3. Numerous structures usually carrying lights, other unlit objects, and submerged obstructions sometimes marked by buoys, exist in oilfield areas. These features are not all charted and the positions of those shown are approximate. Unauthorized navigation within 500 meters of any structure is prohibited."
(MCC034/95)

E2602 1Ed. 6/25/83 LAST NM N28/95 N29/95
Delete Depth 16 fathoms "Rep (1966)" 3°13′N 100°37′E
(MCC036/95)

E2602 1Ed. 6/25/83 LAST NM N29/95 N15/96
Add Light symbol
7°33.0′N 109°42.0′E
7°33.2′N 109°48.0′E
7°55.7′N 109°57.1′E
(49(43)95 Brest)

E2602 1Ed. 6/25/83 LAST NM N15/96 N28/96
Add Dangerous wreck 9°21.7′N 107°58.0′E
(4(269)96 Taunton)

E2602 1Ed. 6/25/83 LAST NM N28/96 N51/96
Add Depth 24 fathoms 7°36.3′N 108°30.0′E
(43(3560)96 Taunton)

E2602 1Ed. 6/25/83 LAST NM N51/96 N10/97
Add Dangerous wreck 4°31.7′N 108°14.1′E
(1(63)97 Taunton)

★**E2604** 1Ed. 8/27/88 NEW CHART N48/88
Add Wreck
19°22.5′N 108°25.0′E
19°23.3′N 108°18.8′E
(DMAHTC; Cna CH 9705)

E2604 1Ed. 8/27/88 LAST NM N48/88 N18/95
Delete Depth 2 fathoms and legend "Well (Obstr)"
17°31′N 109°00′E
17°22′N 109°06′E

Add Platform with light flare symbol 17°30.6′N 109°01.5′E

Dotted-line circle "Well"
17°23.1′N 109°06.7′E
17°28.6′N 109°04.4′E
17°30.6′N 109°06.5′E

Submarine pipeline joining
17°30.6′N 109°01.5′E
18°15.1′N 109°06.4′E
18°18.5′N 109°08.9′E

joining
17°30.6′N 109°01.5′E
17°40.0′N 109°29.0′E
17°56.7′N 110°00.0′E
(MCC0015/95)

E2604 1Ed. 8/27/88 LAST NM N18/95 N31/95
Add Racon at light 20°14′N 109°56′E
(11(71)95 Tianjin)

E2604 1Ed. 8/27/88 LAST NM N31/95 N36/95
Add Depth
16 fathoms Obstn 20°48.0′N 108°42.0′E
20 fathoms Obstn 20°48.0′N 108°31.0′E
Danger circle "Well" 20°41.0′N 108°41.0′E
(23(1796)95 Taunton)

E2604 1Ed. 8/27/88 LAST NM N36/95 N34/96
Substitute Depth 12 fathoms Obstn for 9 fathoms Obstr and legend "Steel Pipe" 20°47′N 108°38′E

Add Purple dashed-line circle "Unexploded Ordnance" 21°13.3′N 108°41.1′E

Danger circle "Well" 20°45.8′N 108°59.8′E
(1(6)96 Tianjin; Cna CH 9320)

E2604 1Ed. 8/27/88 LAST NM N34/96 N39/96
Add Light symbol
20°07.5′N 107°43.4′E
21°23.7′N 107°59.6′E
(24(46)96 Brest)

E2604 1Ed. 8/27/88 LAST NM N39/96 N28/97
Add Light symbol 20°15.4′N 106°35.7′E
(GIMM047/96)

E2604 1Ed. 8/27/88 LAST NM N28/97 N30/97
Add Light symbol 21°14.2′N 107°57.5′E
(GIMM047/96)

★**E2701** 1Ed. 6/30/79 NEW CHART N35/79
(DMAHTC)

E2701 1Ed. 6/30/79 LAST NM N35/79 N52/80
Delete Stranded wreck 1°03′N 98°19′E
(NVS6266/80)

E2701 1Ed. 6/30/79 LAST NM N52/80 N5/81
Add "Explosives Dumping Area" bound by purple dashed line joining
0°57′S 99°41′E
0°57′S 99°46′E
1°00′S 99°46′E
1°00′S 99°41′E
(43(463)80 Jakarta)

E2701 1Ed. 6/30/79 LAST NM N5/81 N21/85
Add Light Fl 12M 2°32.8′S 101°05.0′E
(12(846)85 Taunton)

E2701 1Ed. 6/30/79 LAST NM N21/85 N25/96
Add Light Fl R 12M Racon 1°02.3′S 100°21.1′E
(BA CH 2965; BA LL; BA RA)

E2701 1Ed. 6/30/79 LAST NM N25/96 N7/97
Add Light Fl 17M 2°05.8′N 96°36.7′E
(GIMM008/97)

E2701 1Ed. 6/30/79 LAST NM N7/97 N42/97
Add Depth
19 fathoms 0°41′S 99°44′E
24 fathoms 0°17′N 97°56′E
29 fathoms 0°21′N 97°55′E
(19(1652, 1653)97 Taunton)

★**E2702** 1Ed. 8/11/79 NEW CHART N42/79
Add Depths
5 fathoms 3 feet in 5°52′N 94°50′E
41 fathoms 5°32′N 94°56′E
27 fathoms 4°59′N 95°05′E
(DMAHTC; 12(752)79 Taunton)

E2702 1Ed. 8/11/79 LAST NM N42/79 N42/83
Add Depth 3 fathoms 5 feet "Rep (1983)" (PA) 5°49.5′N 95°11.6′E
(16(360)83 Tokyo)

E2702 1Ed. 8/11/79 LAST NM N42/83 N18/84
Add "Explosives Dumping Ground" bound by purple dashed-line circle, radius 1.25 miles, centered 5°57.3′N 95°06.5′E
(Indo CH 6)

E2702 1Ed. 8/11/79 LAST NM N18/84 N25/84
Add Depth 28 fathoms "Rep (1984)" (PA) 6°03.8′N 94°49.8′E
(NVS7270/84)

E2702 1Ed. 8/11/79 LAST NM N25/84 N41/84
Change Light to Fl(3) 10M 8°38.0′N 97°38.3′E
(BA LL)

E2702 1Ed. 8/11/79 LAST NM N41/84 N7/85
Add Light Fl(3) 40M 6°04.5′N 95°06.8′E
(51(3377)84 Taunton)

E2702 1Ed. 8/11/79 LAST NM N7/85 N49/86
Add Depth 18 fathoms (PA) 3°45.0′N 95°59.5′E
(41(2991)86 Taunton)

E2702 1Ed. 8/11/79 LAST NM N49/86 N8/87
Add Depths
301 fathoms (PA) 6°35′N 96°05′E
328 fathoms (PA) 6°35′N 96°18′E
(MCNM7895/87)

E2702 1Ed. 8/11/79 LAST NM N8/87 N51/87
Add Depth 7 fathoms "Rep (1987)" 5°43.2′N 95°20.8′E
(43(3257)87 Taunton)

★**E2702** 1Ed. 8/11/79 LAST NM N51/87 N11/89
Add Depths
265 fathoms 4°54.0′N 93°22.0′E
256 fathoms 4°52.0′N 93°18.0′E
(MCNM1033/89)

E2702 1Ed. 8/11/79 LAST NM N11/89 N11/90
Add Light Fl(4) 25M 5°33.3′N 95°09.1′E
(1(1)90 Jakarta)

E2702 1Ed. 8/11/79 LAST NM N11/90 N28/90
Change Light to Fl(2) 10M 6°45′N 93°50′E
(4(86)90 Dehra Dun)

E2702 1Ed. 8/11/79 LAST NM N28/90 N4/91
Add Light Fl(4) 25M 3°44.0′N 96°36.0′E
(33(215)90 Jakarta)

E2702 1Ed. 8/11/79 LAST NM N4/91 N6/91
Add Depth 47 fathoms "Rep (1990)" 8°31.3′N 97°26.2′E
(43(3092)90 Taunton)

E2702 1Ed. 8/11/79 LAST NM N6/91 N49/93
Add Depth
30 fathoms "Rep (1993)" 6°23.7′N 97°39.5′E
7 fathoms 4 feet "Rep (1993)" 6°20.9′N 97°41.6′E
(MCC1232/93)

E2702 1Ed. 8/11/79 LAST NM N49/93 N28/95
Add Depth 32 fathoms 5°26.8′N 97°13.0′E
(9(739)95 Taunton)

E2702 1Ed. 8/11/79 LAST NM N28/95 N38/95
Substitute Depth 16 fathoms "Rep (1995)"
for 28 fathoms 6°14.5′N 94°56.8′E
(28(2243)95 Taunton)

E2702 1Ed. 8/11/79 LAST NM N38/95 N24/97
Add R Bn 5°53.8′N 95°18.7′E
(BA CH 2917)

★**E2703** 1Ed. 8/11/79 NEW CHART N42/79
(DMAHTC)

E2703 1Ed. 8/11/79 LAST NM N42/79 N36/84
Add Light Fl 10M 12°55.6′N 92°59.4′E
(14(348)84 Dehra Dun)

E2703 1Ed. 8/11/79 LAST NM N36/84 N31/89
Add Depth 38 fathoms "Rep (1977)" 12°29′14″N 94°42′41″E
(MCNM1077/89)

E2703 1Ed. 8/11/79 LAST NM N31/89 N44/89
Add Depths
113 fathoms "Rep (1989)" (PA) 13°28.2′N 94°05.0′E
231 fathoms "Rep (1989)" (PA) 12°42.0′N 94°40.0′E
52 fathoms "Rep (1989)" (PA) 12°33.0′N 94°47.0′E
(MCNM1114/89)

E2703 1Ed. 8/11/79 LAST NM N44/89 N10/92
Relocate R Bn (AERO) close E to 11°40.5′N 92°46.0′E
(48(3411)91 Taunton)

E2703 1Ed. 8/11/79 LAST NM N10/92 N47/95
Delete R Bn (AERO) 11°40.5′N 92°46.0′E
(BA RA)

★**E2801** 1Ed. 9/15/79 NEW CHART N45/79
(DMAHTC)

★**E2802** 1Ed. 7/7/79 NEW CHART N35/79
(DMAHTC)

E2802 1Ed. 7/7/79 LAST NM N35/79 N48/81
Delete R Bn (AERO) 6°00.0′N 80°20.0′E
(US RA)

E2802 1Ed. 7/7/79 LAST NM N48/81 N10/97
Delete Light 8°31.7′N 81°19.2′E
(BA LL)

★**E2803** 1Ed. 1/21/84 NEW CHART N13/84
Delete Omega note "All users...propagation
paths." in lower right margin of chart
Change Visibility (range) of light to 24M 15°47.5′N 80°59.0′E
(DMAHTC; BA LL)

E2803 1Ed. 1/21/84 LAST NM N13/84 N25/84
Add Danger circle with legend
"Unexploded Ordnance (rep 1983) 15°53.0′N 85°55.0′E
(7(183)84 Dehra Dun)

E2803 1Ed. 1/21/84 LAST NM N25/84 N8/85
Add Danger circle with legend
"Unexploded ordnance (rep 1984)" 16°26.0′N 82°21.5′E
(1(48)85 Dehra Dun)

E2803 1Ed. 1/21/84 LAST NM N8/85 N26/85
Change Light to Fl(2) 18M 10°45.9′N 79°50.8′E
(7(192)85 Dehra Dun)

E2803 1Ed. 1/21/84 LAST NM N26/85 N41/85
Add Danger circle "Unexploded Ordnance" 16°12.5′N 86°10.0′E
(11(296)85 Dehra Dun)

E2803 1Ed. 1/21/84 LAST NM N41/85 N24/89
Add Purple dashed-line circle
"Unexploded ordnance (Rep 1989)" 14°07.5′N 81°04.2′E
(6(157)89 Dehra Dun)

E2803 1Ed. 1/21/84 LAST NM N24/89 N28/90
Add Depth 28 fathoms (PA) 12°57.8′N 80°42.5′E
(3(64)90 Dehra Dun)

E2803 1Ed. 1/21/84 LAST NM N28/90 N40/91
Add Danger circle "Unexploded ordnance" 10°35.1′N 80°42.0′E
(MCNM1136/91)

E2803 1Ed. 1/21/84 LAST NM N40/91 N3/93
Change Light to Fl(2) 25M R Bn 10°45.9′N 79°50.9′E
(9(189)92 Dehra Dun; BA LL)

E2803 1Ed. 1/21/84 LAST NM N3/93 N16/94
Add R Bn at light 14°14′N 80°07′E
(7(122)93 Dehra Dun)

E2803 1Ed. 1/21/84 LAST NM N16/94 N12/98
Add Legend "Oilfield Development Area (see Note)" 11°18′N 80°03′E

Note
"OILFIELD DEVELOPMENT AREAS
Numerous structures, usually carrying lights Mo(U) 15s, fog signals Mo(U) 30s, other unlit objects and submerged obstructions sometimes marked by buoys, exist in the oilfield areas. As these features are not all charted, special caution should be exercised by vessels navigating in the vicinity. Unauthorized navigation is prohibited within 500 meters of all such structures.
Tankers maneuvering in the vicinity of platforms and moorings should be given a wide berth." 12°55′N 79°30′E
(13(272)97 Dehra Dun)

★**E2804** 1Ed. 12/3/83 NEW CHART N16/84
Delete Omega note "All users...propagation paths." in upper left margin of chart
(DMAHTC)

E2804 1Ed. 12/3/83 LAST NM N16/84 N25/84
Add Danger circle with legend "Unexploded Ordnance (rep 1983)" 17°48.0′N 84°05.0′E
(9(226)84 Dehra Dun)

E2804 1Ed. 12/3/83 LAST NM N25/84 N13/85
Add Danger circles with legend "Unexploded Ordnance (rep 1985)" 17°28.0′N 83°52.5′E
17°28.6′N 83°50.0′E
(3(111)85 Dehra Dun)

E2804 1Ed. 12/3/83 LAST NM N13/85 N41/85
Add Danger circle "Unexploded Ordnance" 17°09.0′N 83°51.5′E
(11(296)85 Dehra Dun)

E2804 1Ed. 12/3/83 LAST NM N41/85 N43/87
Add Purple dashed-line circle "Unexploded Ordnance" 17°35.0′N 84°03.0′E
(13(332)87 Dehra Dun)

E2804 1Ed. 12/3/83 LAST NM N43/87 N5/88
Add Purple dashed-line circle "Unexploded Ordnance (rep 1987)" 17°28.0′N 83°53.1′E
(19(498)87 Dehra Dun)

E2804 1Ed. 12/3/83 LAST NM N5/88 N32/89
Add Purple dashed-line circle "Unexploded ordnance (Rep 1989)" 17°22.5′N 83°45.0′E
(9(238)89 Dehra Dun)

E2804 1Ed. 12/3/83 LAST NM N32/89 N35/89
Add Purple dashed-line circle "Unexploded ordnance (Rep 1989)" 17°25.5′N 83°46.7′E
(11(283)89 Dehra Dun)

E2804 1Ed. 12/3/83 LAST NM N35/89 N38/89
Add Purple dashed-line circles "Unexploded Ordnance (rep 1989)" 17°28.4′N 83°45.8′E
17°32.3′N 83°49.4′E
(12(302), 14(339)89 Dehra Dun)

E2804 1Ed. 12/3/83 LAST NM N38/89 N40/91
Add Danger circles "Unexploded ordnance"
18°35.2′N 85°12.9′E
17°28.5′N 83°43.7′E
17°49.5′N 84°03.0′E
(MCNM1136/91)

E2804 1Ed. 12/3/83 LAST NM N40/91 N49/92
Delete R Bn 20°20′N 86°44′E
Add R Bn 20°15.4′N 86°39.4′E
(9(190)92 Dehra Dun; BA RA)

E2804 1Ed. 12/3/83 LAST NM N49/92 N15/93
Add R Bn 19°15.3′N 84°54.2′E
(BA RA)

E2804 1Ed. 12/3/83 LAST NM N15/93 N28/95
Delete Depth
21 fathoms "Rep (1963)" 20°05′N 87°27′E
4 fathoms "Rep (1963)" 19°55′N 86°52′E
(2(57)95 Dehra Dun)

★**E2901** 1Ed. 7/21/79 NEW CHART N37/79
(DMAHTC)

E2901 1Ed. 7/21/79 LAST NM N37/79 N32/81
Substitute Depth 178 fathoms "Rep (1977)" for 325 fathoms "Rep (1977)" 1°41′N 73°11′E
(US CH 703)

E2901 1Ed. 7/21/79 LAST NM N32/81 N49/83
Add Depth 192 fathoms "Rep (1967)" 0°24.6′S 73°25.1′E
(BA CH 66c)

E2901 1Ed. 7/21/79 LAST NM N49/83 N51/85
Add Light symbols
2°06.8′N 73°35.2′E
2°01.2′N 73°22.4′E
2°19.5′N 73°19.0′E
2°30.9′N 73°19.0′E
2°41.0′N 72°53.0′E
2°45.5′N 73°23.8′E
(16(418)85 Dehra Dun; BA CH 66B)

E2901 1Ed. 7/21/79 LAST NM N51/85 N35/86
Add Depth 179 fathoms "Rep (1986)" 1°45.5′N 73°11.0′E
(25(1799)86 Taunton)

E2901 1Ed. 7/21/79 LAST NM N35/86 N9/93
Add R Bn (AERO) 0°41.8′S 73°09.8′E
(32(2370)92 Taunton)

★**E2902** 1Ed. 7/29/78 NEW CHART N38/78
(DMAHTC)

E2902 1Ed. 7/29/78 LAST NM N38/78 N35/80
Add Depth 200 fathoms "Rep (1980)" 4°37.5′N 75°35.7′E
(NVS6199/80)

E2902 1Ed. 7/29/78 LAST NM N35/80 N4/83
Add R Bn at light 8°16.1′N 73°01.9′E
(US RA)

E2902 1Ed. 7/29/78 LAST NM N4/83 N10/84
Delete R Bn (AERO) 7°11.0′N 79°53.1′E
(BA RA)

E2902 1Ed. 7/29/78 LAST NM N10/84 N51/85
Add Light symbols
3°00.5′N 73°00.5′E
3°05.5′N 73°37.5′E
3°06.5′N 72°52.0′E
3°18.4′N 72°59.5′E
3°27.9′N 73°45.0′E
3°40.5′N 73°24.5′E
3°31.0′N 73°16.5′E
(16(418)85 Dehra Dun; BA CH 66B)

E2902 1Ed. 7/29/78 LAST NM N51/85 N2/86
Add Depth 49 fathoms "Rep (1985)" 7°38.5′N 72°43.0′E
(43(2861)85 Taunton)

E2902 1Ed. 7/29/78 LAST NM N2/86 N15/96
Delete Depth 63 fathoms 7°39.9′N 76°36.5′E

(continued on next page)

E2902 (Continued) 15/96
Add Depth
60 fathoms 7°36.3′N 76°45.3′E
69 fathoms 7°37.6′N 76°41.4′E
102 fathoms 7°38.4′N 76°37.9′E
110 fathoms 7°38.8′N 76°34.2′E
400 fathoms 7°40.4′N 76°30.9′E
(BA CH 1566)

E2902 1Ed. 7/29/78 LAST NM N15/96 N28/96
Add Depth
136 fathoms 7°05.2′N 77°58.8′E
268 fathoms 5°13.0′N 73°31.4′E
327 fathoms 5°02.2′N 73°31.3′E
(20(1705, 1706)96 Taunton)

E2902 1Ed. 7/29/78 LAST NM N28/96 N40/96
Add Depth
205 fathoms 7°54′N 78°13′E
32 fathoms 7°58′N 78°14′E
213 fathoms 7°58′N 78°16′E
(BA CH 1587)

E2902 1Ed. 7/29/78 LAST NM N40/96 N41/97
Add Depth 128 fathoms 9°23.7′N 74°39.0′E
(13(271)97 Dehra Dun)

E2902 1Ed. 7/29/78 LAST NM N41/97 N9/98
Add Depth 580 fathoms 9°23.9′N 74°36.8′E
(GIMM011/98)

★**E2903** 1Ed. 8/26/78 NEW CHART N46/78
(DMAHTC)

E2903 1Ed. 8/26/78 LAST NM N46/78 N32/81
Add Purple dashed-line circles "Unexploded Ordnance" (PA) 14°32.0′N 73°10.0′E
14°00.0′N 72°30.0′E
15°50.0′N 72°35.0′E
15°49.0′N 72°24.0′E
16°02.0′N 72°10.0′E
15°52.0′N 72°37.5′E
((379),(545),(672)79, (534)80 Dehra Dun; NVS6411/81)

E2903 1Ed. 8/26/78 LAST NM N32/81 N40/83
Add Depth 285 fathoms "Rep (1983)" (PA) 11°45.2′N 73°02.0′E
(NVS7032/83)

E2903 1Ed. 8/26/78 LAST NM N40/83 N31/84
Add Light Fl(3) 8M (PA) 11°41.8′N 72°42.5′E
(11(265)84 Dehra Dun)

E2903 1Ed. 8/26/78 LAST NM N31/84 N33/84
Change Light to Fl 8M (PA) 11°07.1′N 72°44.3′E

Add Lights
Q(9) 9M (PA) 11°36.0′N 72°11.1′E
Fl(4) 8M (PA) 11°15.0′N 72°47.3′E
(12(289-291)84 Dehra Dun)

E2903 1Ed. 8/26/78 LAST NM N33/84 N18/87
Add Purple dashed-line circle "Unexploded Ordnance (rep 1986)" 15°58.0′N 72°27.0′E
(3(85)87 Dehra Dun)

E2903 1Ed. 8/26/78 LAST NM N18/87 N44/88
Add Depth
341 fathoms 11°43.0′N 73°00.7′E
229 fathoms 11°44.2′N 73°01.0′E
(MCNM8159/88)

E2903 1Ed. 8/26/78 LAST NM N44/88 N21/89
Add Purple dashed-line circle "Unexploded ordnance (rep 1989)" 10°12.5′N 75°27.5′E
(5(139)89 Dehra Dun)

E2903 1Ed. 8/26/78 LAST NM N21/89 N34/90
Add Depth 207 fathoms (PA) 13°49.0′N 73°05.9′E
(10(207)90 Dehra Dun)

E2903 1Ed. 8/26/78 LAST NM N34/90 N40/91
Add Danger circles "Unexploded ordnance"
12°32.8′N 73°57.2′E
13°50.0′N 73°00.0′E
10°49.4′N 75°06.5′E
15°53.4′N 72°20.2′E
15°32.4′N 72°38.2′E
15°55.0′N 72°34.0′E
13°41.0′N 73°01.0′E
(MCNM1136/91)

E2903 1Ed. 8/26/78 LAST NM N40/91 N16/93
Add R Bn 16°59.1′N 73°16.4′E
(23(434)92 Dehra Dun)

★**E2903** 1Ed. 8/26/78 LAST NM N16/93 N45/94
Add Depth 270 fathoms "Rep (1994)" 15°01.8′N 72°26.8′E
(MCC1337/94)

E2903 1Ed. 8/26/78 LAST NM N45/94 N6/95
Add Depth
267 fathoms 13°20.5′N 72°00.5′E
65 fathoms 12°15.0′N 73°44.5′E
(48(4020)94 Taunton)

E2903 1Ed. 8/26/78 LAST NM N6/95 N6/96
Delete Depth 65 fathoms 12°15.0′N 73°44.5′E
(See N6/95-E2903)
(48(3947)95 Taunton)

E2903 1Ed. 8/26/78 LAST NM N6/96 N12/96
Add Racon at light 10°49′N 73°41′E
(BA RA)

E2903 1Ed. 8/26/78 LAST NM N12/96 N36/97
Delete Depth 270 fathoms "Rep (1994)" 15°01.8′N 72°26.8′E

Add Depth 246 fathoms 15°00.0′N 72°26.0′E
(23(2010)97 Taunton)

★**E2904** 1Ed. 7/28/79 NEW CHART N41/79
(DMAHTC)

E2904 1Ed. 7/28/79 LAST NM N41/79 N19/89
Add Purple dashed-line circles "Unexploded ordnance (Rep 1988)" 20°46.3′N 69°00.3′E
21°11.0′N 68°35.0′E
20°45.2′N 68°00.0′E
20°58.2′N 68°02.1′E
(1(44), 2(61), 3(90), 4(110)89 Dehra Dun)

E2904 1Ed. 7/28/79 LAST NM N19/89 N21/89
Add Purple dashed-line circle "Unexploded ordnance (rep 1988)" 20°45.0′N 68°55.0′E
(5(136)89 Dehra Dun)

E2904 1Ed. 7/28/79 LAST NM N21/89 N24/89
Add Purple dashed-line circle "Unexploded ordnance (Rep 1989)" 17°11.1′N 71°29.0′E
(6(156)89 Dehra Dun)

E2904 1Ed. 7/28/79 LAST NM N24/89 N40/91
Add Danger circles "Unexploded ordnance"
17°01.5′N 71°41.0′E
18°22.0′N 70°29.0′E
17°03.7′N 71°28.2′E
19°15.5′N 69°14.7′E
17°25.0′N 71°17.0′E
21°03.7′N 68°38.5′E
21°10.0′N 68°40.1′E
20°43.9′N 69°01.3′E
20°49.0′N 69°06.5′E
21°00.7′N 68°55.1′E
(MCNM1136/91)

E2904 1Ed. 7/28/79 LAST NM N40/91 N11/93
Delete R Bn (AERO) 21°38′N 69°40′E

Add R Bn 21°37.3′N 69°37.2′E
(19(358)92 Dehra Dun; BA RA)

E2904 1Ed. 7/28/79 LAST NM N11/93 N46/96
Delete R Bn (AERO) 22°29′N 70°02′E
(BA RA)

E2904 1Ed. 7/28/79 LAST NM N46/96 N38/97
Delete R Bn 18°42.2′N 72°49.2′E

Add R Bn (AERO) 19°07.0′N 72°50.1′E
(25(2161)97 Taunton; BA RA)

★E3001 1Ed. 8/8/81 NEW CHART N39/81
(DMAHTC)

★E3002 1Ed. 8/15/81 NEW CHART N42/81
(DMAHTC)

★E3004 1Ed. 8/11/79 NEW CHART N42/79
(DMAHTC)

E3004 1Ed. 8/11/79 LAST NM N42/79 N37/81
Delete Depths
153 fathoms 19°46.3′N 58°54.8′E
142 fathoms 19°52.5′N 58°58.5′E
65 fathoms 19°58.5′N 59°02.5′E
52 fathoms 20°04.5′N 59°06.4′E
65 fathoms 20°24.7′N 59°17.7′E
(NVS6481/81)

E3004 1Ed. 8/11/79 LAST NM N37/81 N1/84
Change Legend "Rep (1976)" charted against 9-fathom depth to "Rep (1975) PA" 19°16.8′N 58°12.5′E
(NVS7141/83)

E3004 1Ed. 8/11/79 LAST NM N1/84 N9/85
Change Light to Fl 16M Racon 22°30.0′N 59°48.0′E
(BA LL)

E3004 1Ed. 8/11/79 LAST NM N9/85 N38/85
Add Depths
100 fathoms 22°36.6′N 59°37.9′E
300 fathoms 22°36.8′N 59°38.0′E
400 fathoms 22°37.0′N 59°38.1′E
550 fathoms 22°37.4′N 59°38.3′E
(HNNM0005/85)

E3004 1Ed. 8/11/79 LAST NM N38/85 N11/86
Add Depth 204 fathoms 19°05.5′N 58°16.3′E
(HNNM 7711/85)

E3004 1Ed. 8/11/79 LAST NM N11/86 N28/95
Delete Depth 13 fathoms "Rep (1968)" 19°37′N 58°33′E
(16(1320)95 Taunton)

E3004 1Ed. 8/11/79 LAST NM N28/95 N32/96
Add Wreck (PA) 18°14.0′N 57°30.0′E
18°30.0′N 57°50.0′E
19°14.0′N 58°24.0′E
19°38.0′N 58°44.0′E
(SMEA005/96)

E3004 1Ed. 8/11/79 LAST NM N32/96 N36/96
Add Wreck 22°28.4′N 59°58.6′E
Wreck (PA) 20°58.0′N 59°35.0′E
(SMEA005/96)

E3004 1Ed. 8/11/79 LAST NM N36/96 N5/97
Delete R Bn (AERO) 20°41′N 58°54′E
(BA RA)

★E3005 1Ed. 9/1/79 NEW CHART N44/79
Add Depths
92 fathoms in 25°19.1′N 57°54.8′E
94 fathoms 25°18.9′N 57°57.0′E
(DMAHTC; 2(123)79 Taunton)

E3005 1Ed. 9/1/79 LAST NM N44/79 N1/81
Add Depth 49 fathoms (ED) 23°07′N 66°47′E
(NVS6271/80)

E3005 1Ed. 9/1/79 LAST NM N1/81 N11/81
Delete Depth 49 fathoms (ED) 23°07′N 66°47′E
(Supersedes N1/81-E3005)
(NVS6328/81)

E3005 1Ed. 9/1/79 LAST NM N11/81 N42/82
Add Wreck (PA) 25°23′N 57°05′E
(NVS6769/82)

E3005 1Ed. 9/1/79 LAST NM N42/82 N28/84
Delete R Bn 24°56.1′N 66°56.1′E

R Bn (AERO) 24°48.0′N 66°58.2′E
24°53.5′N 67°10.0′E
(US RA)

E3005 1Ed. 9/1/79 LAST NM N28/84 N47/85
Delete R Bn (AERO) 25°05.0′N 61°49.0′E
(DMAHTC)

E3005 1Ed. 9/1/79 LAST NM N47/85 N47/87
Change Lights to
Fl 19M (PA) 25°01.5′N 61°43.3′E
Fl(2) 19M 25°06.1′N 62°23.0′E
(37(167)87 Karachi)

E3005 1Ed. 9/1/79 LAST NM N47/87 N49/90
Delete Light 25°12.0′N 63°27.0′E

Add Light Fl(3) 19M 25°12.3′N 63°29.6′E
(32(92)90 Karachi; BA LL)

E3005 1Ed. 9/1/79 LAST NM N49/90 N11/95
Add Depth 109 fathoms "Rep (1994)" 24°19′N 65°39′E
(40(120)94 Karachi)

E3005 1Ed. 9/1/79 LAST NM N11/95 N46/95
Add Legend "SUBMARINE EXERCISE AREA (see Note)" 25°23′N 58°04′E

Note
" SUBMARINE EXERCISE AREA
Submarines exercise frequently, both surfaced and submerged, in the area indicated. A good lookout is to be kept for them when passing through these waters." 26°10′N 68°00′E
(34(2817)95 Taunton)

E3005 1Ed. 9/1/79 LAST NM N46/95 N8/96
Add Depth 170 fathoms 24°45.4′N 61°51.3′E
(Pak CH 33)

E3005 1Ed. 9/1/79 LAST NM N8/96 N13/96
Add Light symbol with R Bn (AERO) 25°04.3′N 61°48.0′E
(40(3314)95 Taunton)

E3005 1Ed. 9/1/79 LAST NM N13/96 N28/96
Add Depth 54 fathoms 24°50.4′N 63°52.1′E
Legend "Disused (1996)" 23°41.0′N 59°05.0′E
(20(1704)96 Taunton; 9/96 Oman)

E3005 1Ed. 9/1/79 LAST NM N28/96 N10/98
Add "Explosives Dumping Ground Disused (1996)" area bound by purple dashed-line circle, radius 3.5 miles, centered 25°03.0′N 56°59.5′E

Light
Fl 12s 14M 23°37.6′N 58°35.8′E
(AERO) Fl 3s 25M 24°19.0′N 56°43.0′E
Fl 10s 15M 23°51.3′N 58°03.9′E
(US CH 62032; BA LL)

★E3101 1Ed. 7/11/81 NEW CHART N34/81
(DMAHTC)

★**E3102** 2Ed. 3/13/93 NEW EDITION N16/93
(DMAHTC)

★**E3103** 1Ed. 8/8/81 NEW CHART N40/81
Add Depths
26 fathoms 12°13.5′N 54°19.5′E
84 fathoms "Rep (1981)" 13°07.0′N 51°23.0′E
(DMAHTC; NVS6381, 6452/81)

E3103 1Ed. 8/8/81 LAST NM N40/81 N10/86
Add Depth 211 fathoms 12°59.0′N 54°03.0′E
(49(3261)85 Taunton)

E3103 1Ed. 8/8/81 LAST NM N10/86 N19/86
Change Visibility (range) of light to 18M 11°50.0′N 51°16.5′E

Add Depths
37 fathoms 12°30.7′N 53°11.1′E
186 fathoms 12°10.3′N 51°46.0′E
181 fathoms 12°22.6′N 51°19.0′E

Danger circle "Shoal (rep 1969)" 12°07.8′N 52°32.0′E
(BA LL; 9(670)86 Taunton)

E3103 1Ed. 8/8/81 LAST NM N19/86 N40/86
Add Depth 285 fathoms 11°13.5′N 52°39.0′E
(33(2383)86 Taunton)

E3103 1Ed. 8/8/81 LAST NM N40/86 N22/87
Add Depths
30 fathoms 12°48.3′N 53°53.0′E
22 fathoms 12°49.5′N 53°57.0′E
(13(1011)87 Taunton)

E3103 1Ed. 8/8/81 LAST NM N22/87 N39/87
Delete Depths
31 fathoms "Rep (1957)" 11°59′N 54°45′E
83 fathoms 12°04′N 54°48′E
94 fathoms 11°55′N 54°43′E
(MCNM7970/87)

E3103 1Ed. 8/8/81 LAST NM N39/87 N11/92
Add Depth 389 meters 11°44.5′N 55°08.2′E
(1(51)92 Taunton)

E3103 1Ed. 8/8/81 LAST NM N11/92 N9/93
Add Danger circle "Discol water (1992)" 11°34.6′N 55°56.7′E
(MCC1232/93)

E3103 1Ed. 8/8/81 LAST NM N9/93 N28/96
Add Legend "Disused (1996)" 16°33.5′N 54°07.0′E
(9/96 Oman)

E3103 1Ed. 8/8/81 LAST NM N28/96 N32/96
Add Wreck (PA) 16°52.0′N 56°38.0′E
15°09.0′N 57°26.0′E
(SMEA005/96)

E3103 1Ed. 8/8/81 LAST NM N32/96 N36/96
Add Wreck (PD) 16°21.0′N 54°30.0′E
(SMEA005/96)

★**E3203** 1Ed. 1/28/84 NEW CHART N15/84
Delete Omega note "All users...propagation paths." in upper left margin of chart

Change Lights to
Fl WR 26/22M 12°46.0′N 44°59.5′E
Oc 23M 12°46.0′N 45°03.7′E

Add Wreck (PA) 12°08.1′N 43°39.0′E

Legend "Oc R 10M" to lights (AERO) 12°52.0′N 45°00.5′E
12°51.7′N 45°03.0′E
(DMAHTC; 3(45)84 Brest; BA LL)

E3203 1Ed. 1/28/84 LAST NM N15/84 N27/84
Add Depth 31 fathoms "Rep (1984)" (PA) 12°22.1′N 43°57.5′E
(NVS7274/84)

E3203 1Ed. 1/28/84 LAST NM N27/84 N29/84
Substitute Depth 30 fathoms "Rep (1984)" for 60 fathoms 15°49′N 41°48′E
(18(1828)84 Hamburg)

E3203 1Ed. 1/28/84 LAST NM N29/84 N50/84
Add Depth 153 fathoms 11°34.5′N 44°03.0′E
(44(2877)84 Taunton)

E3203 1Ed. 1/28/84 LAST NM N50/84 N11/85
Add Depth 58 fathoms "Rep (1984)" 14°56.0′N 42°19.6′E
(4(255)84 Taunton)

E3203 1Ed. 1/28/84 LAST NM N11/85 N19/86
Add Danger circle "Shoal (rep 1969)" 12°07.8′N 52°32.0′E

Depths
186 fathoms 12°10.3′N 51°46.0′E
181 fathoms 12°22.6′N 51°19.0′E
100 fathoms 12°27.5′N 50°57.5′E
96 fathoms 12°06.8′N 50°57.0′E
120 fathoms 12°06.4′N 50°52.7′E
(9(670)86 Taunton)

E3203 1Ed. 1/28/84 LAST NM N19/86 N27/86
Add Depth 237 fathoms (PA) 11°54.8′N 44°41.9′E
(MCNM7776/86)

E3203 1Ed. 1/28/84 LAST NM N27/86 N9/87
Delete Depth 34 fathoms "Rep (1975)" (PA) 15°48.5′N 41°30.5′E

Add Depths
270 fathoms 12°07.5′N 45°37.7′E
363 fathoms 12°06.7′N 44°57.7′E
158 fathoms 14°49.7′N 42°04.2′E
178 fathoms 15°25.6′N 41°57.0′E
278 fathoms 15°25.6′N 41°50.7′E
218 fathoms 15°49.5′N 41°30.2′E
(49(3598, 3599)86 Taunton)

E3203 1Ed. 1/28/84 LAST NM N9/87 N40/87
Add Depth 52 fathoms (PA) 12°58.0′N 43°10.5′E
(24(1776)87 Taunton)

E3203 1Ed. 1/28/84 LAST NM N40/87 N22/89
Add Depth
377 fathoms 11°55.0′N 45°25.0′E
295 fathoms 11°54.0′N 45°03.0′E
(MCNM1047/89)

E3203 1Ed. 1/28/84 LAST NM N22/89 N7/92
Add Depth 285 fathoms 11°13.5′N 52°39.0′E
(33(2383)86 Taunton)

E3203 1Ed. 1/28/84 LAST NM N7/92 N33/93
Add Danger circle "Obstn" (PA) 13°01.9′N 46°22.5′E
(MCC1265/93)

E3203 1Ed. 1/28/84 LAST NM N33/93 N45/93
Add Depth 13 fathoms 11°38.5′N 43°43.4′E
(24(66)93 Brest)

E3203 1Ed. 1/28/84 LAST NM N45/93 N46/95
Delete R Bn (AERO) 11°32′N 43°10′E
(BA RA)

E3203 1Ed. 1/28/84 LAST NM N46/95 N20/97
Add Depth 414 fathoms "Rep (1997)" 12°38′N 47°14′E
(GIMM C07/97))

★**E3304** 1Ed. 2/11/84 NEW CHART N17/84
Delete Omega note "All users...propagation paths." in lower right margin of chart

Lights 19°36.9′N 37°14.5′E
19°37.5′N 37°18.0′E
19°39.0′N 37°19.9′E

(continued on next page)

E3304 (Continued) 17/84
Change Lights to
Fl(2) WRG 12-8M Racon 21°41.1′N 38°48.9′E
Fl(2) 15M 20°54.5′N 37°28.0′E
Fl 10M 19°24.0′N 37°55.5′E
Fl 10M 18°50.0′N 38°46.0′E

Add Light flare symbol to light dot 16°57.5′N 41°20.5′E
Light Fl 16M Racon Ra Ref 22°44.7′N 38°37.4′E
(DMAHTC; 107/83 SPA; BA LL)

E3304 1Ed. 2/11/84 LAST NM N17/84 N50/84
Add Depths
228 fathoms 16°48.9′N 40°54.5′E
295 fathoms 16°45.8′N 40°56.7′E
(44(2876)84 Taunton)

E3304 1Ed. 2/11/84 LAST NM N50/84 N7/86
Add Depths
790 meters (PA) 17°33.9′N 40°22.2′E
541 meters (PA) 17°13.5′N 40°37.1′E
(HNNM7683/86)

E3304 1Ed. 2/11/84 LAST NM N7/86 N17/86
Add Depth 19 fathoms "Rep (1985)" 16°27.1′N 40°44.7′E
(4(281)86 Taunton)

E3304 1Ed. 2/11/84 LAST NM N17/86 N9/87
Delete Depths
790 meters (PA) 17°33.9′N 40°22.2′E
541 meters (PA) 17°13.5′N 40°37.1′E
(Cancel N7/86-E3304)
(HNNM7683/86)

E3304 1Ed. 2/11/84 LAST NM N9/87 N26/95
Delete Depth
19 fathoms "Rep (1985)" 16°27.1′N 40°44.7′E
16 fathoms "Rep (1973)" 16°24.3′N 40°49.5′E

Add Depth 15 fathoms 16°27.7′N 40°44.4′E
(MCC037/95)

E3304 1Ed. 2/11/84 LAST NM N26/95 N28/97
Add Legend "Reef Rep (1996)"
between 17°14.7′N 39°42.0′E
17°44.4′N 39°42.3′E
(GIMM047/96)

★**E3305** 1Ed. 2/4/84 NEW CHART N15/84
Delete Legend "Exting" from lights 27°27.0′N 34°02.3′E
27°40.7′N 33°48.0′E
27°47.0′N 33°41.3′E
27°58.0′N 34°25.5′E
27°59.0′N 34°26.9′E

Omega note "All users...propagation paths." in lower right margin of chart

Change Chart 62220 to 62250 in line D under sounding density diagram in right center margin of chart
(DMAHTC)

E3305 1Ed. 2/4/84 LAST NM N15/84 N44/84
Add Dangerous submerged rock
"Reef Rep (1984)" 23°33.1′N 36°20.0′E
(36(2361)84 Taunton)

E3305 1Ed. 2/4/84 LAST NM N44/84 N26/85
Add Depth 8 fathoms "Rep (1984)" (PA) 25°32.9′N 35°31.7′E
(16(1062)85 Taunton)

E3305 1Ed. 2/4/84 LAST NM N26/85 N15/86
Add Depth 48 fathoms (PA) 27°35.3′N 34°00.9′E
(5(33)86 Brest)

E3305 1Ed. 2/4/84 LAST NM N15/86 N29/86
Add Wreck 26°14.7′N 34°27.3′E
(6/86 Alexandria)

E3305 1Ed. 2/4/84 LAST NM N29/86 N7/87
Add Light symbol and Racon 23°28.1′N 38°25.5′E
(SPA A170/86)

E3305 1Ed. 2/4/84 LAST NM N7/87 N1/88
Delete Depth 8 fathoms "Rep (1984)" PA 25°32.9′N 35°31.7′E
(46(3480)87 Taunton)

E3305 1Ed. 2/4/84 LAST NM N1/88 N16/91
Add Purple dashed-line circle
"Unexploded ordnance Rep (1991)" 27°27.1′N 35°02.9′E
(MCNM1046/90)

E3305 1Ed. 2/4/84 LAST NM N16/91 N26/95
Delete Depth 52 fathoms "Rep (1957)" 26°08.4′N 35°07.5′E

Add Depth 28 fathoms 26°06.7′N 35°07.8′E
(MCC037/95)

E3305 1Ed. 2/4/84 LAST NM N26/95 N28/97
Add Dangerous submerged rock
"Rep (1996)" (PA) 24°15.0′N 35°43.0′E
(GIMM047/96)

E3305 1Ed. 2/4/84 LAST NM N28/97 N10/98
Add Light
Fl(4) 16M 26°51.2′N 34°00.1′E
2 Oc R 18M 27°12.5′N 33°50.5′E
Fl(4) 15M 27°44.0′N 34°16.0′E
Fl 12s 12M 27°39.1′N 35°16.7′E
(US CH 62360; BA LL)

★**E3307** 1Ed. 8/5/89 NEW CHART N50/89
Delete Light flare symbol 35°30.6′N 35°46.7′E

Relocate Light flare symbol
close NW to 36°12.0′N 33°47.0′E
close NW 36°08.9′N 33°19.8′E

Change Legend "R Bn" to "Aero R Bn" 36°53.0′N 30°47.8′E

Add Light flare symbol 36°14.0′N 32°18.4′E
36°18.0′N 30°29.2′E
(DMAHTC; 17(294-12)89 Rostock; BA RA; BA LL)

★**E3601** 2Ed. 4/29/89 NEW EDITION N26/89
Substitute Depth 27 fathoms for
42 fathoms "Rep (1970)" 2°35.0′N 8°12.1′E
(Previously published N23/89)
(DMAHTC)

E3601 2Ed. 4/29/89 LAST NM N26/89 N29/93
Delete Light 0°38′S 8°42′E
(BA LL)

E3601 2Ed. 4/29/89 LAST NM N29/93 N36/93
Delete R Bn (AERO) 0°22′N 6°42′E
(BA RA)

E3601 2Ed. 4/29/89 LAST NM N36/93 N29/95
Add Depth 37 fathoms (ED) 1°13′S 8°23′E
(14(30)95 Brest)

★**E3602** 2Ed. 4/29/89 NEW EDITION N26/89
Delete R Bns (AERO) 6°33.0′N 3°21.0′E
(PA) 5°36.4′N 5°11.0′E
5°21.3′N 5°20.8′E
3°45.4′N 8°43.4′E
4°05.4′N 9°22.0′E

Light flare symbol 6°24.2′N 3°23.5′E

Add R Bn (AERO) 6°22.8′N 2°23.9′E
Light flare symbol 6°27.5′N 3°24.4′E
(DMAHTC; BA CH 1861; BA RA)

E3602 2Ed. 4/29/89 LAST NM N26/89 N51/90
Delete Depth 9 fathoms 3 feet "ED (1887)" 5°29.0′N 0°35.8′E
(34(2403)90 Taunton)

E3602 2Ed. 4/29/89 LAST NM N51/90 N46/96
Add Superbuoy with light flare symbol, WHIS and legend
"Zafiro Terminal Storage Tanker" 3°51′N 8°07′E

"ENTRY RESTRICTED" area bound by purple composite-line circle, radius 4.3 miles, centered on above superbuoy
(38(3152)96 Taunton)

★E5104 1Ed. 11/26/83 NEW CHART N9/84
(DMAHTC)

★E5105 1Ed. 12/17/83 NEW CHART N10/84
Delete Note "All users are...paths." in right lower margin of chart
(DMAHTC)

★E5205 1Ed. 1/7/84 NEW CHART N15/84
(DMAHTC)

★E5303 1Ed. 5/25/85 NEW CHART N40/85
(DMAHTC)

★E5304 1Ed. 2/23/91 NEW CHART N17/91
(DMAHTC)

E5304 1Ed. 2/23/91 LAST NM N17/91 N50/98
Delete R Bn at light 20°29′S 29°20′W
(BA RA)

★E5402 1Ed. 6/21/80 NEW CHART N34/80
(DMAHTC)

E5402 1Ed. 6/21/80 LAST NM N34/80 N6/81
Add Stranded wreck 4°49.1′S 37°03.1′W
(19(173)80 Rio de Janeiro)

E5402 1Ed. 6/21/80 LAST NM N6/81 N24/81
Delete Depth 5 fathoms "Rep (1978)" 4°00′S 36°05′W

Add Depth 5 fathoms "Rep (1980)" (PA) 3°58′S 35°48′W
(NVS6403, 6404/81)

E5402 1Ed. 6/21/80 LAST NM N24/81 N31/83
Add Depth 26 fathoms 3°26.1′S 35°02.8′W
(NVS6978/83)

E5402 1Ed. 6/21/80 LAST NM N31/83 N43/83
Delete R Bn (AERO) at light 8°07.9′S 34°56.3′W

Add R Bn (AERO) 8°03.0′S 34°57.6′W
(14(119)83 Rio de Janeiro)

E5402 1Ed. 6/21/80 LAST NM N43/83 N39/86
Delete Depth 65 fathoms (PD) 4°14.5′S 34°51.2′W
(17(1276)86 Taunton)

E5402 1Ed. 6/21/80 LAST NM N39/86 N36/88
Add Depth 85 fathoms 3°29.2′S 37°29.5′W
(MCNM8136/88)

E5402 1Ed. 6/21/80 LAST NM N36/88 N39/90
Delete Depths
5 fathoms 3°50.7′S 35°57.7′W
5 fathoms "Rep (1980)" (PA) 3°58.0′S 35°48.0′W
(27(1940)90 Taunton)

E5402 1Ed. 6/21/80 LAST NM N39/90 N8/91
Delete R Bns (AERO) 5°11.2′S 37°21.0′W
8°03.0′S 34°57.6′W

R Bn (AERO) at light 5°54.4′S 35°14.8′W
Light (AERO) 8°07.9′S 34°56.3′W

Change Characteristic of light to L Fl 4°57.2′S 36°52.9′W
Visibility (range) of lights to
16M 6°57.8′S 34°49.0′W
28M 7°09.2′S 34°47.9′W
34M 9°39.6′S 35°43.5′W

Add Depths
44 fathoms 4°44.7′S 35°10.5′W
12 fathoms 4°53.0′S 35°01.0′W

Light symbol 3°45.2′S 38°35.1′W
R Bn (AERO) 3°52.0′S 32°26.0′W

Lights
Fl(2) 20M 5°02.9′S 36°02.1′W
Fl(3) 21M 5°29.7′S 35°15.1′W

Submarine cables
joining 8°11.2′S 34°34.2′W
8°09.8′S 34°28.9′W
8°07.5′S 34°12.0′W

joining 8°12.7′S 34°33.9′W
8°11.6′S 34°18.5′W
8°10.0′S 34°12.0′W
(MCNM1073/91)

E5402 1Ed. 6/21/80 LAST NM N8/91 N40/91
Change Visibility (range) of light to 39M 5°47′S 35°10′W
(11(104)91 Rio de Janeiro)

E5402 1Ed. 6/21/80 LAST NM N40/91 N18/92
Change Light to Fl(2) 43M 3°43′S 38°28′W
(1(1)92 Rio de Janeiro)

E5402 1Ed. 6/21/80 LAST NM N18/92 N20/92
Add Lightship "BF-4" Fl(3) 15s 18M
Racon 5°10.8′S 35°11.2′W
(5(33)92 Rio de Janeiro)

E5402 1Ed. 6/21/80 LAST NM N20/92 N1/96
Add Light Fl(5) 24M 6°02.7′S 35°06.8′W
(20(217P)95 Rio de Janeiro)

E5402 1Ed. 6/21/80 LAST NM N1/96 N9/96
Change Visibility (range) of light to 43/36M 9°39.6′S 35°43.5′W
(23(253)95 Rio de Janeiro)

E5402 1Ed. 6/21/80 LAST NM N9/96 N34/96
Add Submarine cable between 3°10′S 38°06′W
3°18′S 38°12′W

(SMEA013/96)

E5402 1Ed. 6/21/80 LAST NM N34/96 N41/98
Delete Lightship "BF-4" 5°11′S 35°11′W
(16(142)98 Rio de Janeiro)

E5402 1Ed. 6/21/80 LAST NM N41/98 N50/98
Add Wreck 7°11′S 34°15′W
(Brz CH 20)

★E5403 1Ed. 7/12/80 NEW CHART N34/80
(DMAHTC)

E5403 1Ed. 7/12/80 LAST NM N34/80 N10/91
Delete Platform 10°39.0′S 36°37.5′W

Change Lights to
Al Iso WWR 38M 13°00.8′S 38°32.2′W
L Fl 27M 14°48.9′S 39°03.0′W

Visibility (range) of lights to
39M 10°58.0′S 37°03.4′W
l5M 11°25.1′S 37°19.8′W
21M 15°51.8′S 38°54.3′W

Add Light Fl(2) 27M 16°26.1′S 39°04.2′W
(Brz LL; 7(89)86 Rio de Janeiro)

E5403 1Ed. 7/12/80 LAST NM N10/91 N20/92
Delete Light 10°58′S 37°03′W
(5(32)92 Rio de Janeiro)

E5403 1Ed. 7/12/80 LAST NM N20/92 N23/92
Add Light Fl(3) 23M 15°21′S 39°00′W
(7(52)92 Rio de Janeiro)

E5403 1Ed. 7/12/80 LAST NM N23/92 N47/94
Add Light Fl(5) 26M 11°58.2′S 37°36.5′W
(13(131P)94 Rio de Janeiro)

E5403 1Ed. 7/12/80 LAST NM N47/94 N4/96
Change Light to Al Fl WR 26/21M 16°26′S 39°04′W
(20(221)95 Rio de Janeiro)

E5403 1Ed. 7/12/80 LAST NM N4/96 N11/98
Delete R Bn 11°00′S 37°04′W
(GIMM002/98)

E5403 1Ed. 7/12/80 LAST NM N11/98 N36/98
Delete Light 10°31′S 36°25′W
(12(89)98 Rio de Janeiro)

E5403 1Ed. 7/12/80 LAST NM N36/98 N50/98
Delete Danger circle "Rep (1920)" 14°41′S 35°57′W

Add Depth 7 1/4 fathoms (ED) 16°00′S 37°52′W
(Brz CH 20)

★**E5404** 1Ed. 8/9/80 NEW CHART N45/80
(DMAHTC)

E5404 1Ed. 8/9/80 LAST NM N45/80 N32/82
Substitute Depth 12 fathoms for
15 fathoms "Rep (1957)" 17°53.2′S 35°58.0′W
(22(222)81 Rio de Janeiro)

E5404 1Ed. 8/9/80 LAST NM N32/82 N45/82
Delete Danger circle
"ED 1913" 17°10.0′S 35°42.5′W
"Rep (1915)" 17°38.0′S 35°16.5′W
(12(114)82 Rio de Janeiro)

E5404 1Ed. 8/9/80 LAST NM N45/82 N31/83
Add Depth 14 fathoms 20°31.6′S 38°06.6′W
(NVS6978/83)

E5404 1Ed. 8/9/80 LAST NM N31/83 N46/85
Add Depth 28 fathoms 20°05′S 38°06′W
(36(2404)85 Taunton)

E5404 1Ed. 8/9/80 LAST NM N46/85 N31/90
Add Depth 3 fathoms 5 feet 17°10.0′S 37°01.0′W
(15(1181)90 Taunton)

E5404 1Ed. 8/9/80 LAST NM N31/90 N10/91
Delete Depth 6.4 fathoms and enclosing danger
circle (PA) "Rep (1966)" 21°25′S 40°13′W

Stranded wreck 22°04′S 40°57′W
R Bn 21°41′S 41°18′W

Change Lights to
Fl(4) 34M 20°19′S 40°16′W
L Fl(2) 40M 22°02′S 41°03′W
Al Fl WR 28/22M 22°25′S 41°42′W

Visibility (range) of light to 23M 17°40′S 39°15′W
Characteristic of light to Q(2) 20°42′S 40°24′W

Add Depth 142 fathoms 22°08.3′S 39°58.6′W
(MCNM1074/91)

E5404 1Ed. 8/9/80 LAST NM N10/91 N30/94
Delete Depth 131 fathoms 20°03′S 37°08′W

Add Depth 1 fathom 2 feet 20°03.5′S 37°07.5′W
(9(83)94 Rio de Janeiro)

E5404 1Ed. 8/9/80 LAST NM N30/94 N32/94
Add Light L Fl 23M 17°53.5′S 39°22.3′W
(21(187)93 Rio de Janeiro)

E5404 1Ed. 8/9/80 LAST NM N32/94 N43/94
Delete Depth 1 fathom 2 feet 20°03.5′S 37°07.5′W
(See N30/94-E5404)
(9(83)94 Rio de Janeiro)

E5404 1Ed. 8/9/80 LAST NM N43/94 N24/98
Delete Depth 3 fathoms 5 feet 17°10′S 37°01′W
(7(48)98 Rio de Janeiro)

★**E5405** 1Ed. 1/12/91 NEW CHART N14/91
Add Depth 84 fathoms "Rep (1987)" 27°17′S 39°03′W
(DMAHTC; 8(650)87 Taunton)

★**E5409** 1Ed. 6/29/85 NEW CHART N40/85
(DMAHTC)

★**E5505** 1Ed. 7/5/80 NEW CHART N39/80
(DMAHTC)

E5505 1Ed. 7/5/80 LAST NM N39/80 N2/91
Add Wreck 24°37.8′S 43°17.3′W
(19(S217)90 Rio de Janeiro)

E5505 1Ed. 7/5/80 LAST NM N2/91 N10/91
Delete R Bns (AERO) 22°47′S 43°11′W
25°32′S 48°31′W

Legends
"Fl 29M" 23°02′S 42°03′W
"(AERO)" 24°04′S 46°12′W
"(AERO)" 28°35′S 48°57′W

Light 27°50′S 48°34′W

Substitute Light symbol for position circle 23°04′S 43°09′W
Note: R Bn remains

Add Legend "(AERO)" to R Bn 25°52.0′S 48°39.0′W
Wreck 26°29.0′S 42°46.0′W
R Bn (AERO) 27°41.2′S 48°30.0′W
(Brz LL; 20(S293)89 Rio de Janeiro)

E5505 1Ed. 7/5/80 LAST NM N10/91 N22/91
Add Wreck 22°36.6′S 40°28.4′W
(5(26)91 Rio de Janeiro)

E5505 1Ed. 7/5/80 LAST NM N22/91 N32/94
Add Light symbol 23°47′S 45°14′W
(23(208)93 Rio de Janeiro)

E5505 1Ed. 7/5/80 LAST NM N32/94 N17/96
Add Wreck 26°56.0′S 46°45.0′W
Light float 26°46.7′S 46°48.2′W
(7(76), 8(96)95 Rio de Janeiro)

E5505 1Ed. 7/5/80 LAST NM N17/96 N19/96
Add Wreck 25°19′S 44°21′W
(5(36)96 Rio de Janeiro)

E5505 1Ed. 7/5/80 LAST NM N19/96 N22/96
Add Wreck 25°21.0′S 44°47.5′W
(7(57)96 Rio de Janeiro)

E5505 1Ed. 7/5/80 LAST NM N22/96 N27/96
Add Wreck 23°53′S 42°30′W
(9(80)96 Rio de Janeiro)

E5505 1Ed. 7/5/80 LAST NM N27/96 N50/98
Add Buoy Y, pillar with legend "FAD" 27°00.5′S 46°36.9′W
26°59.2′S 46°24.7′W
26°53.0′S 46°13.9′W
26°41.1′S 46°32.2′W
26°39.6′S 46°16.2′W
26°39.8′S 45°59.9′W

(continued on next page)

E5505 (Continued) 50/98
Caution No. 5 to CAUTIONS note in upper right margin of chart
"5. Fish Aggregating Devices (FADs) have been established along the coastal waters between Rio de Janeiro and Ilha de Santa Catarina."
(4(27T)98 Rio de Janeiro)

★E5506 1Ed. 5/24/80 NEW CHART N33/80
(DMAHTC)

★E5509 1Ed. 6/1/85 NEW CHART N7/86
(DMAHTC)

★E5606 1Ed. 5/24/80 NEW CHART N31/80
(DMAHTC)

E5606 1Ed. 5/24/80 LAST NM N31/80 N46/80
Substitute Depth 660 fathoms for 32 fathoms (ED) 34°40′S 51°42′W
"Rep (1837)"
(8(81)80 Rio de Janeiro)

E5606 1Ed. 5/24/80 LAST NM N46/80 N31/95
Add Light flare with R Bn symbol 34°39′S 54°09′W
(Arg LL; BA RA)

★E5607 1Ed. 8/9/80 NEW CHART N43/80
(DMAHTC)

E5607 1Ed. 8/9/80 LAST NM N43/80 N17/84
Add Light Fl 16M 35°27.0′S 57°08.9′W
(3(11)84 Buenos Aires)

E5607 1Ed. 8/9/80 LAST NM N17/84 N28/91
Change Visibility (range) of light to 26M 38°05′S 57°33′W
(Arg LL)

E5607 1Ed. 8/9/80 LAST NM N28/91 N6/95
Add Submarine cable
joining 35°00.0′S 55°03.5′W
35°06.9′S 55°05.1′W
35°12.9′S 55°03.8′W
35°16.9′S 55°01.7′W
35°27.4′S 54°56.4′W
35°28.6′S 54°56.8′W
35°49.2′S 55°35.6′W

joining 35°28.6′S 54°56.8′W
35°28.0′S 54°54.8′W
35°26.6′S 53°40.0′W

joining 35°19.8′S 52°47.5′W
35°16.4′S 52°32.7′W
35°15.3′S 52°24.4′W
35°14.5′S 52°21.4′W
(23(239, 240)94 Buenos Aires)

E5607 1Ed. 8/9/80 LAST NM N6/95 N28/95
Add Wreck 39°17′S 57°06′W
(24(250)94 Buenos Aires)

E5607 1Ed. 8/9/80 LAST NM N28/95 N10/96
Change Light to Fl 28M 36°18.3′S 56°46.3′W
Visibility (range) of light to 26M 38°34.0′S 58°41.4′W
(Arg LL)

E5607 1Ed. 8/9/80 LAST NM N10/96 N35/96
Add Wreck 38°43′S 58°45′W
(Arg CH H-252)

E5607 1Ed. 8/9/80 LAST NM N35/96 N9/97
Add Foul ground symbol 37°43.2′S 55°11.4′W
(15(185)96 Buenos Aires)

E5607 1Ed. 8/9/80 LAST NM N9/97 N28/97
Add Depth 5 fathoms 5 feet Rk 36°16′S 55°06′W
Buoy Y, pillar, Fl(5) Y 20s 35°38′S 55°52′W
(2(14)97 Montevideo; 5(44)97 Buenos Aires)

★E5608 1Ed. 5/17/80 NEW CHART N30/80
(DMAHTC)

E5608 1Ed. 5/17/80 LAST NM N30/80 N23/96
Add Depth 43 fathoms 40°07.0′S 56°16.5′W
(5(63)96 Buenos Aires)

★E5609 1Ed. 9/17/83 NEW CHART N45/83
(DMAHTC)

★E5610 1Ed. 9/17/83 NEW CHART N45/83
(DMAHTC)

★E5611 1Ed. 7/12/80 NEW CHART N43/80
(DMAHTC)

E5611 1Ed. 7/12/80 LAST NM N43/80 N4/88
Add Depth 86 fathoms 54°35.0′S 55°18.0′W
(35(2673)87 Taunton)

E5611 1Ed. 7/12/80 LAST NM N4/88 N25/91
Add Depth 269 fathoms 53°38.8′S 50°46.1′W
(MCNM1106/91)

E5611 1Ed. 7/12/80 LAST NM N25/91 N46/96
Add Depth 364 fathoms 54°05.5′S 51°33.0′W
(33(2794)96 Taunton)

E5611 1Ed. 7/12/80 LAST NM N46/96 N46/97
Substitute Depth 212 fathoms for 216 fathoms 54°05.1′S 52°14.4′W

Add Depth
235 fathoms 54°48.3′S 58°56.9′W
235 fathoms 55°00.4′S 57°41.8′W
142 fathoms 55°05.5′S 57°28.5′W
(30(2705)97 Taunton)

E5611 1Ed. 7/12/80 LAST NM N46/97 N2/98
Add Depth
126 fathoms 53°56.0′S 52°29.0′W
335 fathoms 54°03.2′S 51°33.6′W
(47(4223)97 Taunton)

★E5612 1Ed. 8/24/85 NEW CHART N48/85
(DMAHTC)

★E5708 1Ed. 8/23/80 NEW CHART N47/80
(DMAHTC)

E5708 1Ed. 8/23/80 LAST NM N47/80 N35/82
Add Depth 3 fathoms 1 foot 42°10.0′S 63°22.0′W
(4(8)82 Buenos Aires)

E5708 1Ed. 8/23/80 LAST NM N35/82 N38/83
Add Wreck (PA) 42°55′S 62°30′W
(1/2(9)83 Buenos Aires)

E5708 1Ed. 8/23/80 LAST NM N38/83 N5/84
Change Visibility (range) of light to 15M 41°09.5′S 63°42.8′W
(19(150)83 Buenos Aires)

E5708 1Ed. 8/23/80 LAST NM N5/84 N27/86
Change Visibility (range) of light to 11M 42°58.5′S 64°19.5′W
(8(57)86 Buenos Aires)

E5708 1Ed. 8/23/80 LAST NM N27/86 N22/94
Add Depth 38 fathoms 42°06′S 61°03′W
(6(52)94 Buenos Aires)

E5708 1Ed. 8/23/80 LAST NM N22/94 N51/94
Substitute Rock which covers and uncovers enclosed by danger circle for dangerous submerged rock 44°29.1′S 65°14.8′W
(18(173)94 Buenos Aires)

E5708 1Ed. 8/23/80 LAST NM N51/94 N7/95
Change Light to Fl(3) 27M R Bn 40°46.4′S 62°16.5′W
(22(223)94 Buenos Aires)

E5708 1Ed. 8/23/80 LAST NM N7/95 N17/97
Add Foul ground symbol 43°31.4′S 61°29.6′W
(3/4(36)97 Buenos Aires)

★**E5709** 1Ed. 8/30/80 NEW CHART N47/80
(DMAHTC)

E5709 1Ed. 8/30/80 LAST NM N47/80 N38/83
Add Foul ground symbol 46°23.0′S 67°27.9′W
Wreck 46°50.0′S 67°33.8′W
(24(178, 179)82 Buenos Aires)

E5709 1Ed. 8/30/80 LAST NM N38/83 N39/83
Add Wreck 45°14′S 66°15′W
(4(27)83 Buenos Aires)

E5709 1Ed. 8/30/80 LAST NM N39/83 N40/83
Delete Wreck 46°50.0′S 67°33.8′W
(See N38/83-E5709)

Add Wreck 46°50.0′S 66°33.8′W
(24(179)82 Buenos Aires)

E5709 1Ed. 8/30/80 LAST NM N40/83 N47/83
Add Wreck (PA) 45°24.7′S 66°54.0′W
(13(110)83 Buenos Aires)

E5709 1Ed. 8/30/80 LAST NM N47/83 N53/83
Change Light to Gp Fl(2) 16M 47°55′S 65°43′W
(16(126)83 Buenos Aires)

E5709 1Ed. 8/30/80 LAST NM N53/83 N22/86
Delete Lights 45°06.0′S 66°00.0′W
45°12.0′S 66°24.5′W

Change Visibility range of light to
14M 45°06.2′S 65°24.0′W
12M 47°54.5′S 65°43.0′W

Light to Fl 11M 45°13.1′S 66°32.0′W
Characteristic of light to Fl(5) 47°12.0′S 65°45.0′W

Add Danger circles "Foul" (PA) 47°46.1′S 65°50.0′W
45°44.0′S 67°19.0′W

(HNNM7687/86)

E5709 1Ed. 8/30/80 LAST NM N22/86 N22/94
Add Wreck (PA) 46°35′S 60°52′W
(5(39)94 Buenos Aires)

E5709 1Ed. 8/30/80 LAST NM N22/94 N6/97
Add Wreck 45°38′S 65°03′W
(16(199)96 Buenos Aires)

E5709 1Ed. 8/30/80 LAST NM N6/97 N50/98
Add Danger circle "Foul" (PA) 45°50.0′S 67°20.0′W
(3/4(36)98 Buenos Aires)

★**E5710** 1Ed. 8/16/80 NEW CHART N45/80
(DMAHTC)

E5710 1Ed. 8/16/80 LAST NM N45/80 N14/83
Add Depth 52 fathoms "Rep (1982)" 50°42.5′S 61°40.6′W
(7(478)83 Taunton)

E5710 1Ed. 8/16/80 LAST NM N14/83 N24/83
Delete Depths
7 fathoms 5 feet "Rep (1973)" 50°49.5′S 61°13.7′W
26 fathoms "Rep (1969)" 50°52.6′S 61°29.7′W

Add Depths
5 fathoms 2 feet 50°47.9′S 61°20.1′W
16 fathoms 50°53.9′S 61°30.8′W
(10(707)83 Taunton)

E5710 1Ed. 8/16/80 LAST NM N24/83 N26/83
Add Depth 22 fathoms "Rep (1983)" 50°55.6′S 60°58.0′W
(12(832)83 Taunton)

E5710 1Ed. 8/16/80 LAST NM N26/83 N41/83
Delete Depth 4 fathoms 3 feet 52°32′S 68°30′W
(6(94)83 Valparaiso)

E5710 1Ed. 8/16/80 LAST NM N41/83 N43/83
Add Depth 24 fathoms "Rep (1983)" 50°58.3′S 60°58.4′W
(37(2404)83 Taunton)

E5710 1Ed. 8/16/80 LAST NM N43/83 N50/83
Substitute Depth 18 fathoms "Rep (1983)" (PA)
for 22 fathoms "Rep (1983)" (PA) 50°55.6′S 60°58.0′W
(Supersedes N26/83-E5710)

Add Depth 26 fathoms "Rep (1983)" (PA) 50°54.5′S 61°28.5′W
(41(2675)83 Taunton)

E5710 1Ed. 8/16/80 LAST NM N50/83 N20/84
Delete Depth 4 fathoms 2 feet 52°31.7′S 68°00.0′W
(Arg CH 203)

E5710 1Ed. 8/16/80 LAST NM N20/84 N30/95
Add Platform 52°32.9′S 68°18.8′W
52°34.2′S 68°15.3′W
(1(5)95 Valparaiso)

E5710 1Ed. 8/16/80 LAST NM N30/95 N35/95
Substitute Depth 2 fathoms Rk for
2 fathoms (ED) 52°16.3′S 68°11.1′W
(7(43)95 Valparaiso)

E5710 1Ed. 8/16/80 LAST NM N35/95 N12/97
Change Light to Fl 21M R Bn 52°23.2′S 68°25.5′W
(22(171)96 Valparaiso)

E5710 1Ed. 8/16/80 LAST NM N12/97 N24/97
Add Foul ground symbol 52°07′S 66°15′W
(12(148)96 Buenos Aires)

E5710 1Ed. 8/16/80 LAST NM N24/97 N28/97
Add Foul ground symbol 51°35′S 68°00′W
(1(6)97 Buenos Aires)

E5710 1Ed. 8/16/80 LAST NM N28/97 N50/98
Add Legend "Oilfield Area (see Note)" 52°45′S 68°12′W

Note in lower right margin of chart "OILFIELD AREAS Numerous structures usually carrying lights Mo(U) 15s, fog signals Mo(U) 30s, unlit objects and submerged obstructions sometimes marked by buoys; exist in the oilfield area. As these features are not all charted, special caution should be exercised by vessels navigating in the vicinity. Unauthorized navigation is prohibited within 500 meters of all such structures. Tankers maneuvering in the vicinity of platforms and moorings should be given a wide berth."
(GIMM016/98)

★**E5711** 1Ed. 6/26/80 NEW CHART N42/80
(DMAHTC)

E5711 1Ed. 6/26/80 LAST NM N42/80 N16/96
Change Visibility (range) of light to
12M 54°39.5′S 64°08.0′W
13M 54°39.3′S 65°07.7′W
8M 54°48.8′S 65°14.0′W
7M 54°57.3′S 65°58.2′W

Light to Fl(3) 8M 54°47.3′S 64°43.0′W
(22(228-231, 234)95 Buenos Aires)

E5711 1Ed. 6/26/80 LAST NM N16/96 N24/97
Add Depth 24 fathoms 54°34′S 64°24′W
(12(149)96 Buenos Aires)

E5711 1Ed. 6/26/80 LAST NM N24/97 N50/98
Add Buoy pillar, Fl(5) Y 20s 53°40.7′S 67°18.6′W
(3/4(38)98 Buenos Aires)

★E5712 1Ed. 8/30/80 NEW CHART N47/80
(DMAHTC)

E5712 1Ed. 8/30/80 LAST NM N47/80 N50/91
Add Light Fl 9M 56°31.6′S 68°43.5′W
(MCNM1114/91; Chile LL)

★E5803 1Ed. 11/22/80 NEW CHART N8/81
(DMAHTC)

E5803 1Ed. 11/22/80 LAST NM N8/81 N9/81
Substitute Depth 2107 fathoms for 21 fathoms 10°22.0′S 79°24.5′W
and delete enclosing depth contour
(24(333)80 Valparaiso)

E5803 1Ed. 11/22/80 LAST NM N9/81 N42/91
Change Visibility (range) of light to 10M 11°23.5′S 77°44.5′W
Light to Fl 8M 15°33.3′S 74°50.7′W
(11(48, 50)90 Callao)

E5803 1Ed. 11/22/80 LAST NM N42/91 N34/92
Change Visibility (range) of lights to
9M 15°33.2′S 74°50.7′W
9M 15°51.8′S 74°13.7′W
(5(12, 13)91 Callao)

E5803 1Ed. 11/22/80 LAST NM N34/92 N52/94
Change Light to
Fl 20M 11°08.6′S 77°37.0′W
Fl 28M 15°14.6′S 75°15.1′W
(5(14, 19)94 Callao)

E5803 1Ed. 11/22/80 LAST NM N52/94 N18/96
Delete R Bn (AERO) 11°53.0′S 77°07.5′W

R Bn (AERO) at light 13°45.0′S 76°13.5′W
15°21.0′S 75°10.8′W
(7(40)95 Callao)

E5803 1Ed. 11/22/80 LAST NM N18/96 N19/96
Change Visibility (range) of light to 19M 11°23.9′S 77°44.5′W
Light to Fl(2+1) 19M 13°38.9′S 76°25.0′W
(8(49, 51)95 Callao; Peru LL)

E5803 1Ed. 11/22/80 LAST NM N19/96 N24/97
Change Characteristic of light to Fl 13°38.9′S 76°25.0′W
Light to Fl(2+1) 15M 15°51.8′S 74°13.7′W
(3(23, 24)97 Callao; Peru LL)

★E5804 1Ed. 12/6/80 NEW CHART N7/81
(DMAHTC)

E5804 1Ed. 12/6/80 LAST NM N7/81 N14/83
Delete R Bn (AERO) 20°14′S 70°09′W

Add R Bn (AERO) 20°34′S 70°10′W
(21(275)82 Valparaiso)

E5804 1Ed. 12/6/80 LAST NM N14/83 N42/83
Change Light to Gp Fl Y 14M 18°28.8′S 70°20.5′W
(10(131)83 Valparaiso)

E5804 1Ed. 12/6/80 LAST NM N42/83 N31/86
Change Light to Fl 11M 22°06.0′S 70°14.9′W
(8(90)86 Valparaiso)

E5804 1Ed. 12/6/80 LAST NM N31/86 N42/91
Change Light to Fl(2) 17M 17°41.3′S 71°22.3′W
(10(41)90 Callao)

E5804 1Ed. 12/6/80 LAST NM N42/91 N45/94
Change Visibility (range) of light
to 22M 17°41′S 71°22′W
(34(2904)94 Taunton)

E5804 1Ed. 12/6/80 LAST NM N45/94 N18/96
Delete R Bn (AERO) 17°02.5′S 71°57.5′W
(7(40)95 Callao)

E5804 1Ed. 12/6/80 LAST NM N18/96 N21/96
Change Light to Fl 19M 20°12′S 70°10′W
(4(22)96 Valparaiso)

★E5805 1Ed. 12/13/80 NEW CHART N13/81
(DMAHTC)

E5805 1Ed. 12/13/80 LAST NM N13/81 N46/83
Relocate Light close SSE to 23°27.0′S 70°27.2′W
and change to Alt Gp Fl WG (occas)
(14(187)83 Valparaiso; Chile LL)

E5805 1Ed. 12/13/80 LAST NM N46/83 N38/86
Add Wreck 26°19′30″S 70°47′00″W
(12(152)86 Valparaiso)

E5805 1Ed. 12/13/80 LAST NM N38/86 N8/93
Change Lights to
Fl 14M 23°02.8′S 70°31.5′W
Fl 9M 25°46.2′S 70°43.6′W
(21(219, 223)92 Valparaiso)

★E5806 1Ed. 2/28/81 NEW CHART N18/81
(DMAHTC)

E5806 1Ed. 2/28/81 LAST NM N18/81 N52/83
Change Visibility (range) of lights to
14M 30°14.6′S 71°38.1′W
7M 31°54.3′S 71°32.1′W
(20(240)83 Valparaiso)

E5806 1Ed. 2/28/81 LAST NM N52/83 N38/86
Change Visibility (range) of light to 16M 33°34.5′S 71°38.0′W
(BA LL)

E5806 1Ed. 2/28/81 LAST NM N38/86 N18/91
Change Visibility (range) of light to 10M 31°51′S 71°34′W
(Chile LL)

E5806 1Ed. 2/28/81 LAST NM N18/91 N36/91
Delete Light 32°49.0′S 71°32.0′W

Change Characteristic of light to Fl R 31°54.5′S 71°32.4′W
Light to Fl 19M 32°46.2′S 71°32.2′W
(7(39, 40)91 Valparaiso; Chile LL)

E5806 1Ed. 2/28/81 LAST NM N36/91 N52/91
Change Light to Fl 18M 33°06.0′S 71°45.0′W
(MCNM1114/91)

E5806 1Ed. 2/28/81 LAST NM N52/91 N2/92
Delete Depth 28 fathoms (ED)
and enclosing dotted-line circle 32°25.5′S 72°15.0′W

(continued on next page)

E5806 (Continued) 2/92
Add Depth 16 fathoms enclosed by dashed-line circle 32°24.7′S 72°15.7′W
(15(110)91 Valparaiso)

E5806 1Ed. 2/28/81 LAST NM N2/92 N22/92
Change Visibility (range) of light to 8/7M 33°21′S 71°42′W
(2(9, 10)92 Valparaiso)

E5806 1Ed. 2/28/81 LAST NM N22/92 N46/95
Change Visibility (range) of light to 20M 33°34.2′S 71°37.9′W
(15(98)95 Valparaiso)

E5806 1Ed. 2/28/81 LAST NM N46/95 N21/96
Add Wreck 32°54.5′S 71°46.2′W
(4(24)96 Valparaiso)

E5806 1Ed. 2/28/81 LAST NM N21/96 N27/96
Change Visibility (range) of light to 16M 33°06′S 71°45′W
(5(30)96 Valparaiso)

★**E5807** 1Ed. 2/28/81 NEW CHART N18/81
(DMAHTC)

E5807 1Ed. 2/28/81 LAST NM N18/81 N39/86
Change Visibility (range) of light to 24M 36°36.4′S 73°03.0′W
(14(180)86 Valparaiso)

E5807 1Ed. 2/28/81 LAST NM N39/86 N27/96
Change Light to Fl 8M 37°09′S 73°34′W
(5(31)96 Valparaiso)

E5807 1Ed. 2/28/81 LAST NM N27/96 N31/97
Change Light to Fl 21M 35°33.6′S 72°37.4′W
(4(38)97 Valparaiso)

E5807 1Ed. 2/28/81 LAST NM N31/97 N51/98
Delete R Bn at light 36°36.7′S 73°03.0′W
R Bn 38°23.2′S 73°52.1′W
(9(188)98 Valparaiso)

★**E5808** 1Ed. 11/8/80 NEW CHART N6/81
(DMAHTC)

E5808 1Ed. 11/8/80 LAST NM N6/81 N15/86
Add Depth 179 fathoms (PA) 43°15.6′S 75°14.5′W
(HNNM7734/86)

E5808 1Ed. 11/8/80 LAST NM N15/86 N27/86
Change Light to Fl 18M Racon 43°34.5′S 74°50.0′W
(7(86)86 Valparaiso; Chile LL)

★**E5809** 1Ed. 2/21/81 NEW CHART N17/81
(DMAHTC)

E5809 1Ed. 2/21/81 LAST NM N17/81 N45/97
Change Legend "RDF" to "(AERO) RC" at light 47°43.2′S 74°53.6′W
(BA RA)

★**E5810** 1Ed. 2/28/81 NEW CHART N17/81
(DMAHTC)

E5810 1Ed. 2/28/81 LAST NM N17/81 N17/95
Change Light to Fl(2) 18M Racon 52°23.5′S 75°06.0′W
(23(149)94 Valparaiso; Chile LL)

E5810 1Ed. 2/28/81 LAST NM N17/95 N18/95
Change Light to Fl 14M Racon 50°00.9′S 75°21.5′W
Add Light Fl 9M Racon 49°51.3′S 75°35.0′W
(1(3), 2(9)95 Valparaiso)

E5810 1Ed. 2/28/81 LAST NM N18/95 N14/97
Change Light to Fl 25M Racon 52°23.5′S 75°06.0′W
(50(4165)96 Taunton)

E5810 1Ed. 2/28/81 LAST NM N14/97 N24/97
Change Light to Fl 22M Racon 52°23.5′S 75°06.0′W
(Supersedes-N14/97-E5810)
(3(32)97 Valparaiso)

★**E5811** 1Ed. 8/9/80 NEW CHART N44/80
(DMAHTC)

E5811 1Ed. 8/9/80 LAST NM N44/80 N36/84
Add Depth 50 fathoms 53°11.0′S 75°13.0′W
(27(1775)84 Taunton)

E5811 1Ed. 8/9/80 LAST NM N36/84 N32/88
Add Depth 64 fathoms "Rep (1988)" 55°34.5′S 70°44.0′W
(MCNM8121/88)

★**E5812** 1Ed. 2/28/81 NEW CHART N18/81
(DMAHTC)

★**E5902** 1Ed. 2/21/81 NEW CHART N17/81
(DMAHTC)

E5902 1Ed. 2/21/81 LAST NM N17/81 N36/88
Delete Depths
23 fathoms "(ED)" 4°57.0′S 82°14.0′W
135 fathoms 5°10.0′S 82°04.0′W
(MCNM8141/88)

E5902 1Ed. 2/21/81 LAST NM N36/88 N42/91
Change Visibility (range) of lights to
16M 3°41.7′S 80°41.6′W
10M 6°28.5′S 80°51.6′W
(11(47, 49)90 Callao)

E5902 1Ed. 2/21/81 LAST NM N42/91 N23/94
Add Wreck 4°15.0′S 81°21.0′W
(8(38)93 Callao)

E5902 1Ed. 2/21/81 LAST NM N23/94 N52/94
Change Light to
L Fl 20M 4°40.0′S 81°19.6′W
L Fl 20M 5°54.4′S 81°09.8′W
(5(16, 17)94 Callao)

E5902 1Ed. 2/21/81 LAST NM N52/94 N30/95
Add Platform with light flare symbol 4°18.0′S 81°20.1′W
(1(2)94 Callao)

E5902 1Ed. 2/21/81 LAST NM N30/95 N31/95
Delete R Bn at light 6°56′S 80°43′W
(1(3)95 Callao)

E5902 1Ed. 2/21/81 LAST NM N31/95 N15/96
Change Characteristic of light to Fl(3) 5°54.4′S 81°09.8′W
(8(45)95 Callao)

E5902 1Ed. 2/21/81 LAST NM N15/96 N19/96
Change Light to
Fl(4) 18M 6°28.5′S 80°51.6′W
Fl(3) 18M 7°25.3′S 79°35.1′W
(8(46, 47)95 Callao)

E5902 1Ed. 2/21/81 LAST NM N19/96 N38/96
Delete R Bn (AERO) 4°34′S 81°15′W
(SMEA006/96)

★**E5903** 1Ed. 11/15/80 NEW CHART N9/81
(DMAHTC)

★E5904 1Ed. 5/26/84 NEW CHART N41/84
(DMAHTC)

★E5905 1Ed. 5/12/84 NEW CHART N41/84
(DMAHTC)

E5905 1Ed. 5/12/84 LAST NM N41/84 N26/94
Add Depth 73 fathoms 25°45′S 85°22′W
(9(46)94 Brest)

E5905 1Ed. 5/12/84 LAST NM N26/94 N45/94
Add Light Fl 10M 26°17.0′S 80°06.9′W
(14(71)94 Valparaiso)

★E5906 1Ed. 7/19/80 NEW CHART N40/80
(DMAHTC)

E5906 1Ed. 7/19/80 LAST NM N40/80 N18/81
Substitute Rock which does not cover (15) for dangerous rock 29°38′S 87°25′W

Rock which does not cover (11) for dangerous rock 32°05′S 83°16′W

Add Elevation "(40)" to islet 32°15.0′S 89°08.5′W
(4(39)81 Valparaiso)

★E5907 1Ed. 11/15/80 NEW CHART N8/81
(DMAHTC)

★E5908 1Ed. 11/29/80 NEW CHART N9/81
(DMAHTC)

★E5909 1Ed. 9/1/84 NEW CHART N46/84
(DMAHTC)

★E5910 1Ed. 6/2/84 NEW CHART N37/84
(DMAHTC)

★E5911 1Ed. 6/23/84 NEW CHART N37/84
(DMAHTC)

★E5912 1Ed. 8/10/85 NEW CHART N47/85
(DMAHTC)

★E6602 1Ed. 7/28/84 NEW CHART N44/84
(DMAHTC)

★E6603 1Ed. 8/10/85 NEW CHART N48/85
(DMAHTC)

E6603 1Ed. 8/10/85 LAST NM N48/85 N4/91
Add Depth 186 fathoms 14°29.0′S 152°15.3′W
(48(3461)90 Taunton)

★E6702 1Ed. 9/29/84 NEW CHART N9/85
(DMAHTC)

★E6703 1Ed. 8/10/85 NEW CHART N52/85
(DMAHTC)

E6703 1Ed. 8/10/85 LAST NM N52/85 N38/86
Add Depth 265 fathoms 10°00.7′S 161°05.2′W
(31(228)86 Auckland)

E6703 1Ed. 8/10/85 LAST NM N38/86 N45/86
Add Danger circle "Breakers (rep 1986)" (PA) 13°23′S 166°12′W
(37(265)86 Auckland)

E6703 1Ed. 8/10/85 LAST NM N45/86 N33/93
Add R Bn (AERO) 10°23′S 161°00′W
(24(184)93 Auckland)

E6703 1Ed. 8/10/85 LAST NM N33/93 N4/96
Delete R Bn (AERO) 10°23′S 161°00′W
(BA RA)

★E6704 1Ed. 9/29/84 NEW CHART N48/84
Substitute Depth 5 fathoms for 1 fathom 18°15.0′S 168°24.0′W
Note: Legend "ANTIOPE REEF" remains
(DMAHTC; 7(34)84 Brest)

E6704 1Ed. 9/29/84 LAST NM N48/84 N24/91
Add Legend "PA" to reef 20°01′S 167°48′W
(11(74)91 Auckland)

E6704 1Ed. 9/29/84 LAST NM N24/91 N12/92
Change Legend to "ANTIOPE REEF (BREAKS)" 18°12′S 168°14′W

Add Depth 32 fathoms 19°58′S 167°41′W
(48(298)91 Auckland)

E6704 1Ed. 9/29/84 LAST NM N12/92 N1/94
Change Legend "PA" to "Rep to lie 3 miles NE (1993)" 20°02′S 167°48′W
(45(311)93 Auckland)

E6704 1Ed. 9/29/84 LAST NM N1/94 N39/97
Add Depth
834 fathoms 21°02.5′S 168°50.0′W
486 fathoms 19°11.6′S 169°31.0′W
(33(283)97 Auckland)

★E6802 1Ed. 1/28/84 NEW CHART N15/84
Delete Omega note "All users...propagation paths." in lower right margin of chart
(DMAHTC)

★E6803 2Ed. 9/29/84 NEW EDITION N48/84
Delete R Bn (AERO) 13°49.5′S 172°01.1′W
(DMAHTC)

E6803 2Ed. 9/29/84 LAST NM N48/84 N6/86
Delete Depths
23 fathoms 13°44.0′S 171°35.5′W
300 fathoms 11°57.0′S 173°05.5′W
17 fathoms "Rep (1961)" 13°49.0′S 171°20.5′W

Substitute Depth
448 fathoms for 18 fathoms "Rep (1963)" 14°25.0′S 171°19.5′W
172 fathoms for 390 fathoms 12°15.0′S 173°56.5′W

Add Depth 207 fathoms 13°15.0′S 173°07.2′W
(HNNM7671/86)

E6803 2Ed. 9/29/84 LAST NM N6/86 N10/88
Add Depths
123 fathoms "Rep (1977)" (PA) 15°37.0′S 173°38.7′W
99 fathoms "Rep (1977)" (PA) 16°16.6′S 173°50.5′W
(MCNM8064/88)

E6803 2Ed. 9/29/84 LAST NM N10/88 N44/89
Add Depth 310 fathoms 12°19.0′S 173°54.0′W
(MCNM1115/89)

E6803 2Ed. 9/29/84 LAST NM N44/89 N24/91
Add Depth 17 fathoms 11°41.4′S 178°21.0′W
(MCNM1105/91)

E6803 2Ed. 9/29/84 LAST NM N24/91 N1/94
Add Depth 11 fathoms enclosed by danger circle "Rep (1993)" 11°42.8′S 177°52.8′W
10°09.5′S 179°41.8′W
(11(916)93 Taunton; MCC1292/93)

E6803 2Ed. 9/29/84 LAST NM N1/94 N16/94
Substitute Depth 10 fathoms enclosed by danger circle for 11 fathoms "Rep (1993)" 10°09.5′S 179°41.8′W
(See N1/94-E6803)
(48(54)93 Brest)

E6803 2Ed. 9/29/84 LAST NM N16/94 N24/94
Add Depth 177 fathoms 13°02′S 174°57′W
(16(123)94 Auckland)

E6803 2Ed. 9/29/84 LAST NM N24/94 N15/95
Add Depth
14 fathoms 12°32′S 174°19′W
8 fathoms 15°37′S 173°37′W
(3(42)93 Auckland)

E6803 2Ed. 9/29/84 LAST NM N15/95 N41/98
Delete Depth 8 fathoms "Rep (1981)" 16°00′S 179°17′W

Add Depth 6 fathoms 15°56.2′S 179°17.0′W
(33(2948)98 Taunton)

★**E6804** 1Ed. 3/31/84 NEW CHART N23/84
Substitute Legend "372" for misprint 18°10.6′S 179°25.5′W

Change Legend "Rep (1981)" to "Rep (1974)"
19°44.4′S 178°18.5′W

Add Depths
31 fathoms 17°36.0′S 174°13.0′W
9¾ fathoms 18°30.2′S 178°27.0′W
87 fathoms "Rep (1977)" (PA) 19°36.0′S 175°00.0′W
120 fathoms "Rep (1977)" (PA) 18°57.2′S 174°47.9′W

Legends
"Thakau Nawa Reef" 17°47.5′S 179°24.1′W
"Shoal water (rep 1942)" 19°56.7′S 178°19.1′W

Light Fl 21M 19°50.1′S 178°11.9′W
(DMAHTC; US CH 83033, 83039; NVS6284/81, 7245/84)

E6804 1Ed. 3/31/84 LAST NM N23/84 N1/87
Delete Dangerous submerged rock and legend "ALBERT MEYER REEF PD (1911)" 20°53′S 172°19′W
(MCNM7864/86)

E6804 1Ed. 3/31/84 LAST NM N1/87 N10/87
Add Dangerous submerged rock 20°52.9′S 172°18.7′W
and legend "Albert Meyer Reef Rep (1911)" (PD)
(Supersedes 1/87-E6804)
(MCNM7902/87)

E6804 1Ed. 3/31/84 LAST NM N10/87 N40/90
Change Light to Fl G 8M 21°00′S 175°13′W
(BA LL)

E6804 1Ed. 3/31/84 LAST NM N40/90 N21/91
Substitute Depth 40 fathoms "Rep (1991)" for 92 fathoms 22°07′S 175°57′W
(13(967)91 Taunton)

E6804 1Ed. 3/31/84 LAST NM N21/91 N13/93
Add Danger circle
"Shoals Rep (1993)" (PA) 19°30′S 177°25′W
"Shoal Rep (1993)" (PA) 18°48′S 175°14′W
18°23′S 176°33′W
18°44′S 176°35′W
19°10′S 175°07′W
19°15′S 175°19′W
19°40′S 176°00′W
20°20′S 176°00′W

Depth 6½ fathoms "Rep (1993)" (PA) 21°16′S 175°40′W

Legend "Shoals Rep (1993)" (PA) 19°27′S 176°33′W
19°48′S 176°35′W
20°08′S 177°28′W
19°28′S 179°41′W
(3(43)93 Auckland)

E6804 1Ed. 3/31/84 LAST NM N13/93 N13/95
Delete Depth
93 fathoms 21°45′S 175°58′W
21 fathoms "Rep (1970)" 21°49′S 175°52′W
30 fathoms "Rep (1965)" 21°50′S 176°04′W
40 fathoms "Rep (1991)" 22°07′S 175°57′W

Dashed-line circle and legend "Rep (1968)" 22°01′S 176°25′W

Add Depth
199 fathoms 22°03.7′S 176°12.9′W
83 fathoms 21°43.8′S 175°57.2′W
21 fathoms 21°49.7′S 175°55.5′W
70 fathoms 21°51.5′S 175°46.8′W
79 fathoms 22°05.8′S 176°00.0′W
311 fathoms 22°04.8′S 176°05.0′W
542 fathoms 22°27.2′S 176°41.5′W
537 fathoms 22°27.0′S 176°02.5′W
(8(76)95 Auckland)

E6804 1Ed. 3/31/84 LAST NM N13/95 N18/95
Substitute Depth 14 fathoms for 27 fathoms 20°42′S 175°11′W
(13(118)95 Auckland)

E6804 1Ed. 3/31/84 LAST NM N18/95 N38/95
Add Depth
230 fathoms 20°37.0′S 178°18.5′W
167 fathoms 21°20.6′S 178°41.0′W
(32(2647)95 Taunton)

E6804 1Ed. 3/31/84 LAST NM N38/95 N21/96
Delete R Bn (AERO) 21°11′S 175°13′W
(BA RA)

E6804 1Ed. 3/31/84 LAST NM N21/96 N30/96
Add Danger circle "Shoal rep (1996)" 20°20′S 177°32′W
19°56′S 177°12′W
17°27′S 176°35′W
(23(207)96 Auckland)

E6804 1Ed. 3/31/84 LAST NM N30/96 N26/97
Delete Depth 363 fathoms 20°35′S 177°12′W

Add Depth
283 fathoms 20°20.0′S 175°13.0′W
284 fathoms 20°35.0′S 177°10.0′W
(16(138)97 Auckland)

E6804 1Ed. 3/31/84 LAST NM N26/97 N39/97
Add Depth 224 fathoms 18°33.3′S 172°02.3′W
(33(283)97 Auckland)

E6804 1Ed. 3/31/84 LAST NM N39/97 N3/98
Add Legend "Rep to lie 2 miles SW (1997)"
21°02.5′S 178°55.0′W
(34(3083)97 Taunton)

★**E6805** 1Ed. 7/27/85 NEW CHART N47/85
(DMAHTC)

E6805 1Ed. 7/27/85 LAST NM N47/85 N6/86
Add Depths
98 fathoms "Rep (1984)" 25°26′S 176°15′W
35 fathoms "Rep (1984)" 25°31′S 176°24′W
169 fathoms "Rep (1982)" 28°36′S 177°46′W
23 fathoms "Rep (1983)" 28°38′S 177°56′W
(39(228)85 Auckland)

E6805 1Ed. 7/27/85 LAST NM N6/86 N11/87
Add Dashed-line circle with blue tint and legend "Volcanic Activity Rep (1986)" 24°58′S 175°52′W
(3(38)87 Auckland)

E6805 1Ed. 7/27/85 LAST NM N11/87 N24/88
Delete Dashed-line circle, blue tint and legend "Volcanic Activity Rep (1986)" 24°58′S 175°52′W

Add Dashed-line circle with blue tint and legend "Volcanic Activity Rep (1986)" 24°26′S 175°30′W
(11(88)88 Auckland)

E6805 1Ed. 7/27/85 LAST NM N24/88 N18/91
Delete Depth 64 fathoms 25°54′S 177°10′W

Add Depth 38 fathoms 25°53.4′S 177°09.4′W
(47(285)88 Auckland)

E6805 1Ed. 7/27/85 LAST NM N18/91 N28/91
Add Depth 48 fathoms 28°39′S 177°46′W
(14(92)91 Auckland)

E6805 1Ed. 7/27/85 LAST NM N28/91 N12/92
Delete Depth 20 fathoms 27°45′S 177°42′W

Add Depth 22 fathoms "Rep (1959)" 27°45′S 177°43′W
(48(298)91 Auckland)

E6805 1Ed. 7/27/85 LAST NM N12/92 N21/95
Delete Depth 169 fathoms "Rep (1982)" 28°36′S 177°46′W
(NZ CH 14605)

E6805 1Ed. 7/27/85 LAST NM N21/95 N26/97
Add Depth 289 fathoms 27°13.0′S 177°17.5′W
(16(138)97 Auckland)

E6805 1Ed. 7/27/85 LAST NM N26/97 N29/97
Add Depth 10 fathoms "Rep (1997)" 27°24.0′S 179°14.0′W
(23(196)97 Auckland)

E6805 1Ed. 7/27/85 LAST NM N29/97 N40/97
Add Depth 180 fathoms 27°56′S 171°07′W
(34(291)97 Auckland)

E6805 1Ed. 7/27/85 LAST NM N40/97 N48/97
Add Stranded wreck 23°39.3′S 178°53.4′W
(29(2596)97 Taunton)

E6805 1Ed. 7/27/85 LAST NM N48/97 N26/98
Delete Depth 38 fathoms 25°53.4′S 177°09.4′W

Add Depth 3 fathoms "Rep (1998)" 25°53.4′S 177°11.1′W
(GIMM016/98)

★E6902 1Ed. 9/17/83 NEW CHART N47/83
Delete R Bns (AERO) 8°30′S 179°13′E
5°40′S 176°08′E

(DMAHTC; US RA)

★E6903 1Ed. 5/18/85 NEW CHART N52/85
(DMAHTC)

E6903 1Ed. 5/18/85 LAST NM N52/85 N2/90
Add Depth 12¾ fathoms enclosed by
danger circle 11°58.3′S 171°23.6′E
(37(2793)89 Taunton)

E6903 1Ed. 5/18/85 LAST NM N2/90 N39/90
Substitute Depth 13 fathoms for 16 fathoms 12°47.9′S 177°28.9′E
(30(165)90 Auckland)

E6903 1Ed. 5/18/85 LAST NM N39/90 N22/91
Add Depths
30 meters 12°05.9′S 171°50.0′E
27 meters 12°11.3′S 171°54.2′E
18 meters 12°40.0′S 172°14.6′E
30 meters 12°29.1′S 172°47.5′E
(15(1101)91 Taunton)

E6903 1Ed. 5/18/85 LAST NM N22/91 N6/93
Delete Depth 100 fathoms 11°56′S 171°32′E
(43(3174)92 Taunton)

E6903 1Ed. 5/18/85 LAST NM N6/93 N35/93
Add Legend "Rep to lie 5 miles NE (1991)" 15°42′S 175°42′E
(24(185)93 Auckland)

E6903 1Ed. 5/18/85 LAST NM N35/93 N1/94
Add R Bn (AERO) 12°29.5′S 177°03.3′E
(Fr CH 7283)

E6903 1Ed. 5/18/85 LAST NM N1/94 N20/94
Add Danger circle "Volcanic Activity" 11°41′S 174°18′E
(9(136)94 Sydney)

E6903 1Ed. 5/18/85 LAST NM N20/94 N28/95
Delete Depth 315 fathoms enclosed by
dashed-line circle 16°04.0′S 177°55.7′E

Add Depth 246 fathoms 16°04.7′S 177°55.6′E
(21(166)95 Auckland)

E6903 1Ed. 5/18/85 LAST NM N28/95 N41/95
Add Depth
218 fathoms 12°51.0′S 172°42.5′E
107 fathoms 13°13.0′S 175°07.5′E
126 fathoms 13°33.9′S 175°54.0′E
(34(2829)95 Taunton)

★E7002 1Ed. 9/17/83 NEW CHART N47/83
Change Lights to
Fl 12M 9°12′S 160°22′E
Fl(3) 8M 9°25′S 160°02′E

Visibility (range) of light to 9M 9°19′S 160°20′E
(DMAHTC; 22/83 Honiara; Solm LL)

E7002 1Ed. 9/17/83 LAST NM N47/83 N50/87
Add Submerged rock 9°36.5′S 165°25.0′E
9°36.5′S 165°29.5′E

and enclose above rocks by dotted line
(limiting danger line) with legend
"Breaks (Rep 1987)"
(41(3115)87 Taunton)

E7002 1Ed. 9/17/83 LAST NM N50/87 N25/88
Add Depths
6.3 fathoms 9°50.7′S 166°04.9′E
9.5 fathoms 9°38.0′S 167°31.5′E
(12(970)88 Taunton)

E7002 1Ed. 9/17/83 LAST NM N25/88 N2/90
Add Depth 5¾ fathoms enclosed by
danger circle 9°55.4′S 168°09.7′E
(37(2793)89 Taunton)

E7002 1Ed. 9/17/83 LAST NM N2/90 N11/93
Delete Dangerous submerged rock and
legend "Brougham Shl (1846)" (PD) 9°29.2′S 165°32.9′E

Depth 6 fathoms 3 feet 9°50.7′S 166°04.9′E

Blue tint, enclosing dotted-line circle
and legend "Patteson...(1871)" (PD) 9°44.1′S 166°06.5′E

Depth 4 fathoms and
legend "Hollie Jackson Rep" 9°53.0′S 166°39.1′E

Change Legend "(Breaks...1987)" to
"Brougham Shl" 9°36.5′S 165°29.5′E

Add Depth 6 fathoms 4 feet with
legend "Patteson Shl" 9°51.0′S 166°05.5′E
(42(3086)92 Taunton)

E7002 1Ed. 9/17/83 LAST NM N11/93 N24/97
Add Depth
321 fathoms 9°18.2′S 160°36.7′E
199 fathoms "Rep (1981)" 8°33.6′S 160°07.6′E
(13(1186)97 Taunton)

E7002 1Ed. 9/17/83 LAST NM N24/97 N6/98
Add Depth 128 fathoms 8°21.3′S 160°51.9′E
(GIMM011/98)

★E7003 1Ed. 2/4/84 NEW CHART N13/84
Delete Omega note "All users...propagation
paths." in lower right margin of chart

Position circle 10°49.0′S 165°48.1′E
R Bn (AERO) 15°33.5′S 167°08.0′E

Add Radiobeacon symbol 10°46.2′S 165°47.8′E
(DMAHTC; US RA)

E7003 1Ed. 2/4/84 LAST NM N13/84 N4/87
Add Depth 11 fathoms 12°40.5′S 167°30.0′E
(45(3304)86 Taunton)

E7003 1Ed. 2/4/84 LAST NM N4/87 N6/87
Delete Depth 20 fathoms (PA) 14°59′S 167°13′E

Add Depths
12 fathoms 15°03′S 167°11′E
22 fathoms 15°04′S 167°14′E
128 fathoms 15°30′S 167°21′E
140 fathoms 15°32′S 167°19′E
124 fathoms 16°13′S 167°45′E
(43(3148), 50(3695)86 Taunton)

E7003 1Ed. 2/4/84 LAST NM N6/87 N50/87
Add Depths
10 fathoms 10°17.0′S 167°31.4′E
8 fathoms 10°23.0′S 167°39.9′E
6 fathoms "Rep (1987)" 10°20.3′S 166°53.1′E

Legend "Shoaler depths may exist"
between 10°10.5′S 167°19.0′E
10°31.3′S 167°40.5′E
(41(3115)87 Taunton)

E7003 1Ed. 2/4/84 LAST NM N50/87 N25/88
Add Depths
18 fathoms 10°37.5′S 166°13.1′E
25 fathoms 10°42.8′S 166°18.4′E
7 fathoms 10°43.6′S 166°14.0′E
24 fathoms 10°47.1′S 166°19.5′E
23 fathoms 11°05.0′S 166°34.0′E
40 fathoms 10°40.5′S 167°46.5′E
142 fathoms 10°40.0′S 165°28.5′E
(12(970)88 Taunton)

E7003 1Ed. 2/4/84 LAST NM N25/88 N39/89
Add Depth 141 fathoms 15°49.0′S 166°48.9′E

Depths, each enclosed by danger circle
1 fathom 15°56.9′S 166°02.7′E
3 fathoms 15°57.7′S 166°07.1′E
(26(1967)89 Taunton)

E7003 1Ed. 2/4/84 LAST NM N39/89 N2/90
Add Depth 7 ½ fathoms enclosed by
danger circle 11°02.8′S 169°55.3′E
(37(2793)89 Taunton)

E7003 1Ed. 2/4/84 LAST NM N2/90 N21/91
Add Depth 8 fathoms "Rep (1991)" 10°06.3′S 161°57.7′E
(14(1033)91 Taunton)

E7003 1Ed. 2/4/84 LAST NM N21/91 N22/91
Add Depth 48 meters 12°33.7′S 168°11.3′E
(15(1101)91 Taunton)

E7003 1Ed. 2/4/84 LAST NM N22/91 N6/93
Delete Depths
8 fathoms "Rep (1991)" 10°06.3′S 161°57.7′E
5 fathoms "Rep (1935)" (PA) 11°02.0′S 169°53.0′E
(41(3021), 43(3174)92 Taunton)

E7003 1Ed. 2/4/84 LAST NM N6/93 N11/93
Delete Depth
6 fathoms "Rep (1987)" 10°20.3′S 166°53.1′E
9 fathoms "Rep (1898)" (PA) 10°16.9′S 166°54.0′E

Add Depths
6 fathoms 2 feet 10°16.0′S 166°50.0′E
8 fathoms 3 feet 10°23.5′S 167°36.0′E
(42(3086)92 Taunton)

E7003 1Ed. 2/4/84 LAST NM N11/93 N44/94
Delete Depth 19 fathoms (PA) 15°00′S 167°17′E
(MCC1337/94)

E7003 1Ed. 2/4/84 LAST NM N44/94 N41/95
Add Depth
372 fathoms 12°03.8′S 167°21.7′E
366 fathoms 12°11.2′S 167°35.6′E
(34(2829)95 Taunton)

E7003 1Ed. 2/4/84 LAST NM N41/95 N4/96
Delete R Bn (AERO) 11°31′S 160°05′E
(BA RA)

E7003 1Ed. 2/4/84 LAST NM N4/96 N37/98
Add Depth
352 fathoms 10°32′S 163°56′E
353 fathoms 10°29′S 164°15′E
571 fathoms 10°31′S 163°52′E
(22(38)86 Brest; GIMM016/98)

★**E7102** 1Ed. 8/26/78 NEW CHART N45/78
(DMAHTC)

E7102 1Ed. 8/26/78 LAST NM N45/78 N19/84
Add Depths
267 fathoms "Rep (1979)" 5°27′30″S 153°52′30″E
206 fathoms "Rep (1979)" 5°38′54″S 154°01′45″E
184 fathoms "Rep (1979)" 5°37′58″S 154°06′12″E
(NVS7245/84)

E7102 1Ed. 8/26/78 LAST NM N19/84 N28/84
Delete Danger circle "Shoal (rep 1945)" (PA) 7°33′S 154°41′E
(19(636)84 Tokyo)

E7102 1Ed. 8/26/78 LAST NM N28/84 N17/85
Add Depth 97 fathoms "Rep (184)" 4°08.3′S 152°16.5′E
(7(111)85 Sydney)

E7102 1Ed. 8/26/78 LAST NM N17/85 N20/85
Add Depth 97 fathoms "Rep (1984)" 4°08.3′S 152°16.5′E
(Cancels N17/85-E7102)
(7(111)85 Sydney)

E7102 1Ed. 8/26/78 LAST NM N20/85 N39/85
Delete Stranded wreck 6°25.5′S 155°58.2′E
(30(454)85 Sydney)

E7102 1Ed. 8/26/78 LAST NM N39/85 N38/86
Delete Danger circle "Submerged Volcano
(rep 1963)" 8°25.1′S 157°05.5′E
(32(2333)86 Taunton)

E7102 1Ed. 8/26/78 LAST NM N38/86 N52/91
Substitute Depth 232 fathoms for
10 fathoms 5 feet "Rep (1971)" 8°57.8′S 152°17.2′E
(33(418)91 Sydney)

E7102 1Ed. 8/26/78 LAST NM N52/91 N8/93
Add Dangerous submerged rock 9°26.6′S 151°50.3′E
Depth 123 fathoms 9°20.8′S 152°24.1′E
(39(622)92 Sydney)

E7102 1Ed. 8/26/78 LAST NM N8/93 N6/94
Add Danger circle 8°14.3′S 150°02.0′E
(45(547)93 Sydney)

E7102 1Ed. 8/26/78 LAST NM N6/94 N17/96
Delete Stranded wreck (PA) 6°11′S 159°25′E
(11(938)96 Taunton)

E7102 1Ed. 8/26/78 LAST NM N17/96 N31/96
Add Danger circle 9°26.3′S 150°04.4′E
9°22.0′S 150°02.9′E
9°20.8′S 150°02.7′E
(23(313)96 Wollongong; Aus CH 384)

E7102 1Ed. 8/26/78 LAST NM N31/96 N24/97
Add Depth 86 fathoms 8°39.4′S 157°24.7′E
(13(1186)97 Taunton)

E7102 1Ed. 8/26/78 LAST NM N24/97 N42/97
Add Depth 14 fathoms 4°03′S 152°14′E
(7(182)97 Wollongong)

E7102 1Ed. 8/26/78 LAST NM N42/97 N6/98
Add Depth
279 fathoms 7°04.3′S 158°49.9′E
25 fathoms 7°58.8′S 159°36.5′E
(GIMM011/98)

E7102 1Ed. 8/26/78 LAST NM N6/98 N17/98
Add Depth 188 fathoms 8°55.3′S 159°00.6′E
(40(3579)97 Taunton)

★**E7103** 1Ed. 8/5/78 NEW CHART N39/78
(DMAHTC)

E7103 1Ed. 8/5/78 LAST NM N39/78 N51/79
Delete Stranded wreck 11°28.6′S 154°21.2′E

Substitute Stranded wreck for rock 11°28.0′S 154°22.0′E
(20(242)79 Sydney)

E7103 1Ed. 8/5/78 LAST NM N51/79 N4/84
Substitute Depth 773 fathoms for 173 fathoms 10°15.5′S 152°04.0′E
(49(818)83 Sydney)

E7103 1Ed. 8/5/78 LAST NM N4/84 N19/85
Add Light Q 7M with legend
"R MAST (108ft)" 16°17.5′S 150°00.0′E
(9(128)85 Sydney)

E7103 1Ed. 8/5/78 LAST NM N19/85 N50/91
Add Legend "Rep to lie 2 miles W (1991)" 16°18.0′S 150°14.0′E
(30(373)91 Sydney)

E7103 1Ed. 8/5/78 LAST NM N50/91 N23/97
Add Depth
3 fathoms 2 feet 16°48.1′S 150°10.0′E
8 fathoms 3 feet 16°45.3′S 150°22.7′E
(5(117)97 Wollongong)

★**E7202** 1Ed. 1/20/79 NEW CHART N13/79
Add Light position symbol (dot) 3°22.5′S 143°25.0′E
(DMAHTC)

E7202 1Ed. 1/20/79 LAST NM N13/79 N40/80
Add Dangerous submerged rock 6°01.1′S 148°08.7′E
(Aus CH 676)

E7202 1Ed. 1/20/79 LAST NM N40/80 N17/81
Delete Stranded wreck 5°13′S 146°59′E
(51(717)80 Sydney)

E7202 1Ed. 1/20/79 LAST NM N17/81 N45/83
Add Depths
107 fathoms "Rep (1983)" 3°37.4′S 144°09.0′E
105 fathoms "Rep (1983)" 3°39.9′S 144°16.5′E
74 fathoms "Rep (1983)" 3°40.6′S 144°19.9′E
11 fathoms "Rep (1983)" 3°42.4′S 144°27.3′E
(36(607)83 Sydney)

E7202 1Ed. 1/20/79 LAST NM N45/83 N51/84
Add Depths
274 fathoms "Rep (1984)" 5°56.1′S 147°32.2′E
300 fathoms "Rep (1984)" 5°40.9′S 147°38.9′E
(40(716)84 Sydney)

E7202 1Ed. 1/20/79 LAST NM N51/84 N5/85
Add Depths
332 fathoms "Rep (1984)" 3°03.7′S 148°03.8′E
291 fathoms "Rep (1984)" 3°02.9′S 148°00.8′E
312 fathoms "Rep (1984)" 3°00.0′S 147°48.0′E
(21(361)84 Sydney)

★**E7202** 1Ed. 1/20/79 LAST NM N5/85 N7/86
Add Depths
154 fathoms (PA) 6°47.0′S 148°00.3′E
244 fathoms (PA) 6°49.5′S 147°25.0′E
359 fathoms (PA) 6°48.7′S 147°18.5′E
343 fathoms (PA) 6°48.4′S 147°15.6′E
(HNNM7682/86)

E7202 1Ed. 1/20/79 LAST NM N7/86 N47/86
Delete Depth 4 fathoms "Rep (1962)" 9°01′S 145°09′E
(38(558)86 Sydney)

E7202 1Ed. 1/20/79 LAST NM N47/86 N33/89
Add R Bn at light 8°29.5′S 140°22.2′E
(23(194)89 Jakarta)

E7202 1Ed. 1/20/79 LAST NM N33/89 N8/92
Add Depth 50 fathoms "Rep (1991)" 9°49.5′S 144°45.5′E
(40(518)91 Sydney)

E7202 1Ed. 1/20/79 LAST NM N8/92 N8/93
Delete R Bn (AERO) 9°31′S 147°02′E
(36(584)92 Sydney)

E7202 1Ed. 1/20/79 LAST NM N8/93 N36/93
Add Depth
7 fathoms 9°11.5′S 146°36.5′E
5 fathoms 1 foot 9°13.2′S 146°38.7′E
(21(268)93 Sydney)

E7202 1Ed. 1/20/79 LAST NM N36/93 N6/94
Delete Islet and legend "Rep (1960)" (ED) 5°12′S 149°27′E
(21(270)93 Sydney)

E7202 1Ed. 1/20/79 LAST NM N6/94 N44/94
Substitute Depth 4 fathoms "Rep (1992)" for
5 fathoms 1 foot 9°13.2′S 146°38.7′E
(33(410)94 Sydney)

E7202 1Ed. 1/20/79 LAST NM N44/94 N19/95
Delete Depth
90 fathoms "Rep (1960)" 3°03′S 147°30′E
3 fathoms "Rep (1956)" (PA) 4°56′S 146°40′E

Add Depth 166 fathoms 3°03.0′S 147°33.0′E
(8(138, 139)95 Taunton)

E7202 1Ed. 1/20/79 LAST NM N19/95 N49/95
Delete Dashed-line circle, blue tint and
legend "Breakers (rep 1977)" 5°07′S 147°08′E
(37(439)95 Wollongong)

E7202 1Ed. 1/20/79 LAST NM N49/95 N31/96
Substitute Danger circle for purple circle 9°10.4′S 149°45.2′E

Add Danger circle 9°10.6′S 149°47.3′E
9°11.2′S 149°46.2′E
9°05.3′S 149°47.7′E
9°05.7′S 149°46.9′E
(23(313)96 Wollongong; Aus CH 384)

E7202 1Ed. 1/20/79 LAST NM N31/96 N40/96
Add Danger circle "Well" 9°12′S 144°59′E
(21(281)96 Wollongong)

E7202 1Ed. 1/20/79 LAST NM N40/96 N43/97
Substitute Depth 30 fathoms (SD) for
50 fathoms "Rep (1991)" 9°49.5′S 144°45.5′E
(15(422)97 Wollongong)

E7202 1Ed. 1/20/79 LAST NM N43/97 N50/97
Add Depth
58 fathoms "Rep (1997)" 3°28.9′S 143°57.7′E
64 fathoms "Rep (1997)" 3°29.3′S 143°59.8′E
(20(549)97 Wollongong)

★**E7203** 1Ed. 8/26/78 NEW CHART N42/78
(DMAHTC)

E7203 1Ed. 8/26/78 LAST NM N42/78 N47/81
Add Light Fl 26M 10°36.3′S 141°54.6′E
(BA LL)

E7203 1Ed. 8/26/78 LAST NM N47/81 N19/85
Add Light Q 7M with legend
"R MAST (108ft) 16°17.5′S 150°00.0′E
(9(128)85 Sydney)

E7203 1Ed. 8/26/78 LAST NM N19/85 N1/87
Change Light to Q(2) 8M 10°05.3′S 147°43.5′E
(45(640)86 Sydney)

E7203 1Ed. 8/26/78 LAST NM N1/87 N50/91
Add Legend "Rep to lie 2 miles W (1991)" 16°18.0′S 149°52.0′E
(30(373)91 Sydney)

E7203 1Ed. 8/26/78 LAST NM N50/91 N28/92
Delete R Bn at light 10°36′S 141°55′E
(18(297)92 Sydney)

E7203 1Ed. 8/26/78 LAST NM N28/92 N52/96
Delete Depth 5 fathoms 3 feet 10°13′S 141°01′E
(34(567)96 Wollongong)

E7203 1Ed. 8/26/78 LAST NM N52/96 N7/97
Delete Depth
14 fathoms "Unverd (1967)" 14°17′S 146°55′E
11 fathoms "Unverd (1974)" 14°10′S 146°54′E

Substitute Depth 4 fathoms 1 foot for
3 fathoms 3 feet 14°06.8′S 146°48.1′E

Add Depth
7 fathoms 5 feet 14°15.3′S 146°54.3′E
5 fathoms 3 feet 14°09.9′S 146°49.2′E
(37(634)96 Wollongong)

★**E7302** 1Ed. 8/26/78 NEW CHART N42/78
(DMAHTC)

E7302 1Ed. 8/26/78 LAST NM N42/78 N52/82
Add Wreck 4°29.2′S 132°39.9′E
(37(289)82 Jakarta)

E7302 1Ed. 8/26/78 LAST NM N52/82 N35/83
Add Fl(3) 16M 4°18.6′S 133°37.1′E
(26(1698)83 Taunton)

E7302 1Ed. 8/26/78 LAST NM N35/83 N10/85
Add Light Fl 12M 8°03.4′S 131°16.3′E
(51(460)84 Jakarta)

E7302 1Ed. 8/26/78 LAST NM N10/85 N18/90
Change Light to Fl(3) 40M 5°18.0′S 132°01.0′E
(1(8)90 Jakarta)

E7302 1Ed. 8/26/78 LAST NM N18/90 N45/90
Add Dotted-line circle, radius 8 miles,
with legend "Reef Rep (1990)" centered
8°33.0′S 133°45.0′E
(30(420)90 Sydney)

E7302 1Ed. 8/26/78 LAST NM N45/90 N6/91
Add Dangerous wreck 5°18.1′S 136°36.5′E
(43(3098)90 Taunton)

E7302 1Ed. 8/26/78 LAST NM N6/91 N44/94
Delete Depth 3 fathoms (PA) and legend
"Volsella Shoal" 9°52′S 136°13′E
(33(413)94 Sydney)

E7302 1Ed. 8/26/78 LAST NM N44/94 N17/95
Delete Depth 5 fathoms "rep (1949)" (PD) 9°57′S 136°00′E
Legend "Duddell Shoal" 9°57′S 136°06′E
(6(119)95 Wollongong)

E7302 1Ed. 8/26/78 LAST NM N17/95 N46/95
Add Racon at light 5°19.8′S 134°34.0′E
(BA RA)

E7302 1Ed. 8/26/78 LAST NM N46/95 N21/96
Delete R Bn 3°40′S 133°45′E
(BA RA)

★**E7303** 1Ed. 8/26/78 NEW CHART N46/78
(DMAHTC)

E7303 1Ed. 8/26/78 LAST NM N46/78 N35/80
Add Depths
2 fathoms 2 feet "Rep(1980)" 11°28.6′S 133°31.3′E
5 fathoms 5 feet "Rep(1980)" 11°05.7′S 132°50.5′E
(8(115)80 Sydney)

E7303 1Ed. 8/26/78 LAST NM N35/80 N47/81
Add Dangerous wreck (PA) 11°39.5′S 134°24.0′E
(21(295)81 Sydney)

E7303 1Ed. 8/26/78 LAST NM N47/81 N39/83
Change Visibility (range) of light to 22M 11°18.5′S 131°46.0′E

Add Racon at light 11°00.2′S 136°45.2′E
(26(432), 28(464)83 Sydney)

E7303 1Ed. 8/26/78 LAST NM N39/83 N32/85
Add Depth 1 fathom 4 feet "Rep (1985)" 11°49.5′S 136°26.5′E
(26(391)85 Sydney)

E7303 1Ed. 8/26/78 LAST NM N32/85 N8/93
Add Depth 6 fathoms 3 feet 11°13.6′S 134°44.7′E
(41(641)92 Sydney)

E7303 1Ed. 8/26/78 LAST NM N8/93 N40/93
Delete R Bn (AERO) 13°58′S 136°31′E
(DMAHTC)

E7303 1Ed. 8/26/78 LAST NM N40/93 N47/95
Delete Depth 19 fathoms 14°11′S 137°16′E
(33(398)95 Wollongong)

E7303 1Ed. 8/26/78 LAST NM N47/95 N46/96
Add Depth 5 fathoms 3 feet 11°12′S 132°47′E
(30(443)96 Wollongong)

E7303 1Ed. 8/26/78 LAST NM N46/96 N35/97
Add Depth 9 fathoms 2 feet "Rep (1997)" 11°30.7′S 133°51.7′E
(8(215)97 Wollongong)

★**E7402** 1Ed. 1/13/79 NEW CHART N13/79
(DMAHTC)

E7402 1Ed. 1/13/79 LAST NM N13/79 N25/80
Add Depth 164 fathoms 6°03′S 125°04′E
(34(401)79 Jakarta)

E7402 1Ed. 1/13/79 LAST NM N25/80 N39/80
Delete Depth 20 fathoms 9°49.0′S 127°54.0′E

Add Depths
18 fathoms "Rep (1980)" 9°49.5′S 127°51.9′E
27 fathoms "Rep (1980)" 9°37.1′S 128°47.0′E
21 fathoms "Rep (1980)" 9°39.5′S 128°34.0′E
15 fathoms "Rep (1980)" 9°32.5′S 128°37.8′E
24 fathoms "Rep (1980)" 9°48.0′S 128°34.4′E
24 fathoms "Rep (1980)" 9°47.0′S 127°57.0′E
(30(441)80 Sydney)

E7402 1Ed. 1/13/79 LAST NM N39/80 N52/80
Add "Explosives Dumping Area" bound by
purple dashed line
joining 4°12′S 128°02′E
4°12′S 128°08′E
4°15′S 128°08′E
4°15′S 128°02′E

joining 9°50′S 123°15′E
9°50′S 123°20′E
9°53′S 123°20′E
9°53′S 123°15′E
(39(423), 40(432)80 Jakarta)

E7402 1Ed. 1/13/79 LAST NM N52/80 N5/81
Add Purple legend "Explosives Dumping Area" 5°49′S 122°30′E
(43(467)80 Jakarta)

E7402 1Ed. 1/13/79 LAST NM N5/81 N50/83
Add Depth 82 fathoms 8°23.1′S 123°45.5′E
(41(2647)83 Taunton)

E7402 1Ed. 1/13/79 LAST NM N50/83 N11/86
Add Depth 10 fathoms "Rep (1985)" 9°52.0′S 129°06.5′E
Light Fl(3) 25M 4°19.0′S 129°42.5′E
(48(3211)85 Taunton; 49(718)85 Sydney)

E7402 1Ed. 1/13/79 LAST NM N11/86 N36/86
Change Light to Fl(3) 27M 8°20.3′S 128°30.0′E
(25(313)86 Jakarta)

E7402 1Ed. 1/13/79 LAST NM N36/86 N14/89
Delete Depth 63 fathoms "Rep (1976)" 7°57.5′S 123°39.1′E

Add Depth 64 fathoms 7°58.2′S 123°47.1′E
(5(46)89 Jakarta)

E7402 1Ed. 1/13/79 LAST NM N14/89 N52/89
Add Depth 200 fathoms 8°30.5′S 127°26.8′E
(MCNM7551/89)

E7402 1Ed. 1/13/79 LAST NM N52/89 N22/90
Change Light to Fl(4) 23M 8°02.6′S 125°43.8′E

Add Light Fl(2) 20M 8°19.3′S 125°08.0′E
(3(22, 23)90 Jakarta)

E7402 1Ed. 1/13/79 LAST NM N22/90 N6/91
Change Light to Fl 17M 8°34.0′S 125°34.0′E
and delete radiobeacon (AERO)
(MCNM1027/90; 32(211)90 Jakarta)

E7402 1Ed. 1/13/79 LAST NM N6/91 N13/91
Add Depth 141 fathoms "Rep (1990)" 6°00.0′S 125°03.8′E
(MCNM1079/91)

E7402 1Ed. 1/13/79 LAST NM N13/91 N39/93
Add Depth 67 fathoms "Rep (1993)" 7°41.6′S 127°06.2′E
(MCC1274/93)

★**E7402** 1Ed. 1/13/79 LAST NM N39/93 N6/96
Add Depth
1573 fathoms "Rep (1995)" 6°03.3′S 125°31.9′E
908 fathoms "Rep (1995)" 5°51.2′S 125°32.4′E
967 fathoms "Rep (1995)" 6°20.2′S 125°31.2′E
1603 fathoms "Rep (1995)" 6°28.5′S 125°31.0′E
(SMEA002/96)

E7402 1Ed. 1/13/79 LAST NM N6/96 N38/97
Add Depth 7 fathoms 5 feet "Rep (1997)" 8°20.5′S 127°28.7′E
(GIMM043/96)

E7402 1Ed. 1/13/79 LAST NM N38/97 N44/97
Delete Depth 10 fathoms 9°42′S 129°01′E

Substitute Depth 3 fathoms 4 feet for 5 fathoms 9°52.9′S 129°17.3′E

Add Depth 4 fathoms 9°43.1′S 129°02.1′E
(16(450)97 Wollongong; Aus CH 310)

E7402 1Ed. 1/13/79 LAST NM N44/97 N47/98
Delete Depth 9 fathoms 9°43′S 128°56′E

Add Depth
6 fathoms 9°50.5′S 129°07.6′E
6 fathoms 2 feet 9°45.5′S 129°04.4′E
7 fathoms 2 feet 9°43.5′S 128°55.7′E
38 fathoms 9°42.3′S 129°08.2′E
(17(470)98 Wollongong)

E7402 1Ed. 1/13/79 LAST NM N47/98 N52/98
Add Danger circle "Rep (1974)" 4°08.4′S 127°17.3′E
(BA CH 3239, 3241)

★**E7403** 1Ed. 8/26/78 NEW CHART N42/78
(DMAHTC)

E7403 1Ed. 8/26/78 LAST NM N42/78 N16/80
Add Depth 7 fathoms (unexamined) 11°49′S 124°50′E
(44(539)79 Sydney)

E7403 1Ed. 8/26/78 LAST NM N16/80 N19/83
Substitute Depth 5 fathoms 4 feet (unexamined) for 6 fathoms 4 feet 12°33.2′S 124°02.1′E

Add Depths
32 fathoms (unexamined) 12°21.4′S 124°13.3′E
28 fathoms (unexamined) 12°23.4′S 124°02.2′E
15 fathoms (unexamined) 12°24.5′S 123°55.7′E
16 fathoms (unexamined) 12°28.0′S 123°42.1′E
8 fathoms 3 feet (unexamined) 12°24.1′S 123°32.5′E
6 fathoms 2 feet (unexamined) 12°23.2′S 123°28.1′E
9 fathoms (unexamined) 12°23.0′S 123°25.3′E
6 fathoms 5 feet (unexamined) 12°21.9′S 123°22.1′E
8 fathoms 3 feet (unexamined) 12°22.6′S 123°19.9′E
14 fathoms (unexamined) 12°20.4′S 123°29.5′E
38 fathoms (unexamined) 13°43.0′S 124°29.7′E
50 fathoms (unexamined) 13°24.4′S 124°22.8′E
9 fathoms 4 feet (unexamined) 13°26.0′S 124°00.9′E
41 fathoms (unexamined) 13°23.6′S 123°59.3′E
42 fathoms (unexamined) 13°24.4′S 124°10.1′E
48 fathoms (unexamined) 13°45.8′S 123°54.8′E
48 fathoms (unexamined) 13°57.6′S 124°12.7′E
(34(455, 456)82 Sydney)

E7403 1Ed. 8/26/78 LAST NM N19/83 N23/83
Delete Depth 16 fathoms 15°26.70′S 122°01.80′E

Add Depths
36 fathoms (unexamined) 15°13.00′S 122°36.50′E
33 fathoms (unexamined) 15°08.40′S 121°58.10′E
30 fathoms (unexamined) 15°09.90′S 121°46.00′E
28 fathoms (unexamined) 15°14.50′S 121°54.00′E
31 fathoms (unexamined) 15°20.00′S 122°12.10′E
26 fathoms (unexamined) 15°18.90′S 122°18.00′E
31 fathoms (unexamined) 15°20.10′S 122°26.40′E
28 fathoms (unexamined) 15°26.30′S 122°55.60′E
28 fathoms (unexamined) 15°29.80′S 122°25.45′E
28 fathoms (unexamined) 15°25.00′S 122°19.20′E
21 fathoms (unexamined) 15°29.90′S 122°15.20′E
15 fathoms (unexamined) 15°27.60′S 122°01.60′E
17 fathoms (unexamined) 15°29.80′S 121°53.40′E
22 fathoms (unexamined) 15°23.60′S 121°47.20′E
17 fathoms (unexamined) 15°34.70′S 122°08.20′E
18 fathoms (unexamined) 15°37.70′S 122°11.80′E
17 fathoms (unexamined) 15°34.30′S 122°08.20′E
18 fathoms (unexamined) 15°37.70′S 122°11.80′E
18 fathoms (unexamined) 15°39.20′S 122°06.50′E
26 fathoms (unexamined) 15°42.40′S 121°52.80′E
31 fathoms (unexamined) 15°39.20′S 121°38.40′E
23 fathoms (unexamined) 15°45.80′S 121°44.00′E
21 fathoms (unexamined) 15°52.10′S 121°52.60′E
13 fathoms (unexamined) 15°53.75′S 122°00.60′E
35 fathoms (unexamined) 15°58.50′S 121°36.50′E
40 fathoms (unexamined) 15°58.70′S 121°28.10′E
31 fathoms (unexamined) 15°57.40′S 121°02.30′E
28 fathoms (unexamined) 15°49.10′S 121°05.10′E
(34(457)82 Sydney)

E7403 1Ed. 8/26/78 LAST NM N23/83 N38/83
Add Depths
7 fathoms "Rep (1983)" 10°08.5′S 129°32.5′E
22 fathoms "Rep (1983)" 10°07.8′S 129°48.2′E
(25(417)83 Sydney)

E7403 1Ed. 8/26/78 LAST NM N38/83 N39/83
Add Depths
14 fathoms "Rep (1982)" 10°01.20′S 127°33.95′E
14 fathoms "Rep (1982)" 10°37.15′S 128°13.45′E
15 fathoms "Rep (1982)" 10°39.90′S 128°30.10′E
(26(433)83 Sydney)

E7403 1Ed. 8/26/78 LAST NM N39/83 N49/83
Delete Depths
17 fathoms 11°48.5′S 123°17.0′E
15 fathoms "Rep (1945)" 11°44.0′S 124°23.5′E
13 fathoms "Rep (1965)" 11°43.5′S 124°28.0′E
13 fathoms "Rep (1965)" 11°38.9′S 124°20.0′E
5 fathoms 3 feet "Rep (1976)" 11°43.9′S 123°59.5′E
4 fathoms and legend
"Fantome Bank reported to
lie 1.6 miles westward (1976)" 11°38.5′S 123°56.9′E

Add Depths
10 fathoms 4 feet "Rep (1983)" 10°45.2′S 129°16.3′E
9 fathoms 1 foot "Rep (1983)" 10°49.9′S 129°09.5′E
14 fathoms "Rep (1983)" 10°56.4′S 129°20.1′E
12 fathoms "Rep (1983)" 10°50.1′S 129°34.5′E
13 fathoms "Rep (1983)" 10°51.6′S 129°43.2′E
14 fathoms "Rep (1983)" 10°43.5′S 129°38.7′E
14 fathoms "Rep (1983)" 10°37.9′S 129°28.1′E
9 fathoms 4 feet "Rep (1983)" 10°43.4′S 129°53.0′E
27 fathoms "Rep (1983)" 10°28.8′S 129°31.7′E
30 fathoms "Rep (1983)" 10°29.8′S 129°47.3′E
33 fathoms "Rep (1983)" 10°25.6′S 129°48.0′E
12 fathoms (unexamined) 11°47.5′S 123°17.6′E
8 fathoms (unexamined) 11°34.5′S 123°34.4′E
11 fathoms (unexamined) 11°34.3′S 123°41.2′E
4 fathoms 1 foot (unexamined) 11°44.3′S 123°59.0′E
11 fathoms (unexamined) 11°52.6′S 124°23.1′E
9 fathoms 4 feet (unexamined) 11°44.2′S 124°24.6′E
12 fathoms (unexamined) 11°44.8′S 124°29.2′E
9 fathoms (unexamined) 11°41.7′S 124°19.0′E
11 fathoms (unexamined) 11°38.1′S 124°21.8′E
11 fathoms (unexamined) 11°36.3′S 124°18.4′E
11 fathoms (unexamined) 11°35.7′S 124°15.1′E
11 fathoms (unexamined) 11°34.2′S 124°12.4′E
11 fathoms (unexamined) 11°31.5′S 124°14.5′E
11 fathoms (unexamined) 11°31.3′S 124°18.6′E
11 fathoms (unexamined) 11°32.6′S 124°19.8′E
12 fathoms (unexamined) 11°25.5′S 124°19.3′E
12 fathoms (unexamined) 11°15.9′S 124°24.5′E
9 fathoms 4 feet (unexamined) 11°13.6′S 124°25.1′E
4 fathoms (unexamined) with
legend "Fantome Bank" 11°38.5′S 123°55.5′E
9 fathoms "Rep (1982)" 13°25.4′S 125°50.6′E
13 fathoms "Rep (1982)" 13°57.8′S 125°51.7′E
17 fathoms "Rep (1982)" 13°16.4′S 125°47.7′E
19 fathoms "Rep (1982)" 13°20.6′S 125°43.2′E
21 fathoms "Rep (1982)" 13°16.4′S 125°29.4′E
21 fathoms "Rep (1982)" 13°16.3′S 125°38.5′E
21 fathoms "Rep (1982)" 13°26.2′S 125°46.0′E
42 fathoms "Rep (1982)" 14°41.3′S 122°56.9′E
(30(503-505), 32(527)83 Sydney)

E7403 1Ed. 8/26/78 LAST NM N49/83 N51/83
Add Depth 169 fathoms "Rep (1983)" 13°33.5′S 123°08.7′E
(41(678)83 Sydney)

E7403 1Ed. 8/26/78 LAST NM N51/83 N39/85
Add Depth 12 fathoms "Rep (1985)" 11°44.6′S 124°58.2′E
(30(449)85 Sydney)

E7403 1Ed. 8/26/78 LAST NM N39/85 N36/86
Change Lights to
Fl 25M 10°29.1′S 121°50.1′E
Fl(3) 20M 10°26.7′S 121°52.4′E
Fl(2) 21M 10°44.0′S 123°03.0′E
Fl 29M 10°10.0′S 123°35.2′E
(25(308-310, 312)86 Jakarta)

E7403 1Ed. 8/26/78 LAST NM N36/86 N1/87
Add Depth 13 fathoms "Rep (1986)" 10°28.0′S 128°42.2′E
(45(635)86 Sydney)

E7403 1Ed. 8/26/78 LAST NM N1/87 N20/91
Change Light to Fl 13M 10°10.0′S 123°35.2′E
(7(49)91 Jakarta)

E7403 1Ed. 8/26/78 LAST NM N20/91 N33/91
Add Depth 10 fathoms 1 foot "Rep (1991)"
10°43.1′S 125°56.0′E
(23(286)91 Sydney)

E7403 1Ed. 8/26/78 LAST NM N33/91 N14/92
Add Depth 16 fathoms (ED) 11°00′S 124°26′E
(47(598)91 Sydney)

E7403 1Ed. 8/26/78 LAST NM N14/92 N50/92
Change Light to Fl 5s 17M 15°31′S 123°09′E
(22(349)92 Sydney; BA LL)

E7403 1Ed. 8/26/78 LAST NM N50/92 N4/93
Delete Depth 15 fathoms "Rep (1974)" 11°01′S 125°42′E

Add Depth 4 fathoms 1 foot "Rep (1992)" 10°58.3′S 125°42.4′E
(30(487)92 Sydney)

E7403 1Ed. 8/26/78 LAST NM N4/93 N38/93
Delete R Bn at light 14°07′S 123°33′E
(24(300)93 Sydney)

E7403 1Ed. 8/26/78 LAST NM N38/93 N2/94
Substitute Depth 577 fathoms for 53 fathoms 10°09′S 126°12′E
(41(493)93 Sydney)

E7403 1Ed. 8/26/78 LAST NM N2/94 N38/94
Relocate Latitude designation "30′"
close N to 10°30′S 127°00′E
(DMAHTC)

E7403 1Ed. 8/26/78 LAST NM N38/94 N5/96
Delete Depth
15 fathoms 10°23′S 126°38′E
17 fathoms 10°29′S 126°35′E

Substitute Depth 7 fathoms 1 foot
for 9 fathoms 2 feet 11°53.4′S 123°19.2′E

Add Depth
12 fathoms 10°09.9′S 126°44.2′E
13 fathoms 10°21.9′S 126°37.4′E
14 fathoms 10°25.7′S 126°35.3′E
12 fathoms 10°28.7′S 126°33.9′E
12 fathoms 10°48.7′S 125°44.8′E
13 fathoms 11°27.4′S 125°13.6′E
11 fathoms 11°24.8′S 124°30.4′E
10 fathoms 3 feet 11°32.8′S 123°44.4′E
(46(559)95 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N5/96 N31/96
Delete Depth 15 fathoms 12°16′S 129°28′E

Add Depth 8 fathoms 3 feet 12°16.4′S 129°29.3′E
(23(315)96 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N31/96 N39/96
Add Danger circle "Well" 12°12′S 124°30′E
(20(269)96 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N39/96 N24/97
Add Danger circle "Well" 10°37.9′S 126°02.4′E
10°52.7′S 126°35.2′E
11°02.5′S 126°36.3′E
11°04.0′S 126°38.8′E
11°04.5′S 126°34.4′E
11°01.5′S 126°29.0′E
10°35.4′S 125°57.4′E
11°23.3′S 125°44.9′E
11°56.2′S 125°28.4′E
11°56.4′S 127°54.7′E
(37(637)96 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N24/97 N28/97
Add Dotted-line circle "Well" 10°53′S 126°32′E
10°51′S 126°28′E
11°07′S 126°36′E
(4(96)97 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N28/97 N43/97
Add Danger circle "Well" 10°51′S 126°28′E
(8(218)97 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N43/97 N44/97
Delete Depth
10 fathoms 1 foot "Rep (1991)" 10°43′S 125°56′E
4 fathoms 10°44′S 125°40′E
8 fathoms 3 feet 10°54′S 125°38′E
4 fathoms 1 foot "Rep (1992)" 10°58′S 125°42′E
10 fathoms 2 feet "Rep (1970)" 11°36′S 124°32′E

Add Depth
18 fathoms 10°40.2′S 126°25.1′E
8 fathoms 10°43.0′S 125°56.9′E
7 fathoms 2 feet 10°42.1′S 125°51.9′E
7 fathoms 3 feet 10°41.4′S 125°49.6′E
9 fathoms 4 feet 10°42.5′S 125°49.2′E
12 fathoms 10°45.4′S 125°44.5′E
7 fathoms 10°47.4′S 125°43.3′E
9 fathoms 3 feet 11°30.6′S 125°16.7′E
7 fathoms 3 feet 11°31.2′S 124°37.2′E
15 fathoms 11°33.8′S 124°33.1′E
8 fathoms 4 feet 11°25.0′S 124°31.7′E
(16(451), 17(479)97 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N44/97 N10/98
Add Danger circle "Wells" 12°48′S 128°27′E
(37(637)96 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N10/98 N33/98
Substitute Depth 6¾ fathoms for 7 fathoms "Rep (1983)" 10°08′S 129°33′E
(10(259)98 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N33/98 N39/98
Add Depth 5 fathoms 4 feet 11°48.6′S 124°56.7′E
Danger circle "Well" 11°51.4′S 124°54.2′E
(21(575), 22(606)97 Wollongong)

E7403 1Ed. 8/26/78 LAST NM N39/98 N49/98
Add Danger circle "Well" 10°35.5′S 126°59.5′E
11°02.7′S 126°33.0′E
11°05.8′S 126°44.6′E
(19(533)98 Wollongong)

★**E7502** 1Ed. 8/26/78 NEW CHART N47/78
(DMAHTC)

E7502 1Ed. 8/26/78 LAST NM N47/78 N6/80
Add Depth 12 fathoms "Rep (1979)" 6°20′S 111°10′E
(20(1235)79 Taunton)

E7502 1Ed. 8/26/78 LAST NM N6/80 N46/80
Add Dangerous wreck (PA) 3°51′S 112°36′E
(27(292)80 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N46/80 N48/80
Add Wreck (PA) 6°19.1′S 115°08.0′E
(30(326)80 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N48/80 N12/81
Add Depths
42 fathoms 5°43.2′S 116°33.3′E
27 fathoms 5°41.7′S 116°27.5′E
29 fathoms 5°34.7′S 116°01.8′E
15 fathoms 5°17.0′S 114°51.3′E
17 fathoms 5°40.4′S 116°22.4′E
(6(327)81 Taunton)

E7502 1Ed. 8/26/78 LAST NM N12/81 N36/82
Add Depth 6 fathoms "Rep (1982)" (PA) 3°44.0′S 117°06.0′E
(12(747)82 Taunton)

E7502 1Ed. 8/26/78 LAST NM N36/82 N36/83
Add Depths
7 fathoms "Rep (1983)" 3°17.1′S 117°41.2′E
6 fathoms "Rep (1983)" 4°46.8′S 116°38.8′E
10 fathoms "Rep (1983)" 5°11.0′S 116°48.6′E
(NVS6967/83)

E7502 1Ed. 8/26/78 LAST NM N36/83 N49/83
Add Depth 7 fathoms 4°35.2′S 116°58.3′E
(NVS6546/81)

E7502 1Ed. 8/26/78 LAST NM N49/83 N51/83
Substitute Depth 1 fathom 3 feet for 3 fathoms 3 feet 3°04.5′S 117°42.6′E

Add Depths
15 fathoms 3°06.9′S 118°23.4′E
3 fathoms 4 feet 3°37.0′S 117°24.9′E
11 fathoms 3°25.3′S 118°01.8′E
15 fathoms 3°26.9′S 117°53.5′E
13 fathoms 3°28.4′S 117°52.9′E
12 fathoms 3°26.3′S 118°04.7′E
14 fathoms 3°25.4′S 118°06.5′E
16 fathoms 3°26.3′S 117°57.2′E
(NVS7123/83)

E7502 1Ed. 8/26/78 LAST NM N51/83 N2/84
Add Light Fl(3) 25M (PA) 8°48.5′S 115°35.6′E
(47(3068)83 Taunton)

E7502 1Ed. 8/26/78 LAST NM N2/84 N5/84
Add Depths
14 fathoms 3°33.4′S 117°47.2′E
12 fathoms 3°34.6′S 117°41.7′E
13 fathoms 3°37.9′S 117°39.6′E
11 fathoms 3°42.4′S 117°37.0′E
(NVS7168/84)

E7502 1Ed. 8/26/78 LAST NM N5/84 N9/84
Add Light Gp Fl 19M 8°24′S 115°43′E
(2(111)84 Taunton)

E7502 1Ed. 8/26/78 LAST NM N9/84 N14/84
Add Light Fl 16M 5°06.0′S 117°03.8′E
(6(364)84 Taunton)

E7502 1Ed. 8/26/78 LAST NM N14/84 N36/84
Delete Random legend "Fl" 5°30.5′S 114°27.6′E

Change Light to Fl(3) 35M 5°33.0′S 114°26.0′E
(28(1833)84 Taunton; BA LL)

E7502 1Ed. 8/26/78 LAST NM N36/84 N39/84
Add Depths
13 fathoms 5°32.4′S 116°09.5′E
16 fathoms 5°32.4′S 116°13.8′E
(23(201)84 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N39/84 N43/84
Add Depth 7 fathoms 4 feet "Rep (1982)" 3°57.1′S 117°09.8′E
(14(132)82 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N43/84 N2/85
Add Danger circles "Unexploded ordnance Rep (1984)" 5°54.5′S 112°18.5′E
3°42.0′S 111°02.0′E
(38(324), 41(358)84 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N2/85 N5/85
Change Light to Fl R 11M 7°43.0′S 113°13.0′E

Add Racon to light 6°56.1′S 112°43.1′E
(24(213), 25(219)84 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N5/85 N6/85
Change Light to Fl G 11M, Fl R 4M 7°43.0′S 113°13.0′E
(See N5/85-E7502)
(25(219), 40(348)84 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N6/85 N8/85
Add Wreck marked by buoy 6°43.8′S 114°16.6′E
(50(447)84 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N8/85 N28/85
Add Depth 6 fathoms 5 feet 5°22.3′S 117°40.8′E
(HNNM7490/85)

E7502 1Ed. 8/26/78 LAST NM N28/85 N32/85
Add Depth 5 fathoms 1 foot 5°49.3′S 118°29.2′E
(HNNM7513/85)

E7502 1Ed. 8/26/78 LAST NM N32/85 N38/85
Add Depths
278 fathoms 4°50.7′S 118°25.2′E
226 fathoms 4°16.2′S 117°22.5′E
143 fathoms 5°03.8′S 118°07.5′E
119 fathoms "Rep (1984)" (PA) 8°55.0′S 115°40.0′E
310 fathoms "Rep (1984)" (PA) 9°02.0′S 115°52.0′E
(HNNM7559/85)

E7502 1Ed. 8/26/78 LAST NM N38/85 N41/85
Add Depth 330 fathoms "Rep (1964)" 4°50′S 118°23′E
(HNNM7581/85)

E7502 1Ed. 8/26/78 LAST NM N41/85 N43/85
Add Light Fl 17M 3°30.6′S 111°46.4′E
(35(2338)85 Taunton)

E7502 1Ed. 8/26/78 LAST NM N43/85 N9/86
Add Depth 15 fathoms "Rep (1983)" (PA) 5°10′S 116°39′E
(HNNM 7690/86)

E7502 1Ed. 8/26/78 LAST NM N9/86 N15/86
Add Depths
13 fathoms 5°30′S 116°30′E
13 fathoms 5°35′S 116°24′E
(4(92)86 Sydney)

E7502 1Ed. 8/26/78 LAST NM N15/86 N30/86
Substitute Depth 5 fathoms for 6 fathoms 8°33.6′S 114°38.8′E
(15(195)86 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N30/86 N40/86
Add Depth 373 fathoms "Rep (1983)" 9°29.0′S 110°33.4′E
(MCNM7808/86)

E7502 1Ed. 8/26/78 LAST NM N40/86 N4/87
Add Depth 19 fathoms "Rep (1986)" 5°44.0′S 116°24.1′E
(45(3303)86 Taunton)

E7502 1Ed. 8/26/78 LAST NM N4/87 N9/87
Add Depths
8 fathoms 1 foot 6°08.0′S 118°16.4′E
7 fathoms 2 feet 6°07.2′S 118°19.2′E
10 fathoms 6°04.3′S 118°17.8′E
5 fathoms 3 feet 5°53.0′S 118°32.3′E
6 fathoms 4 feet 5°43.6′S 118°12.0′E
4 fathoms 1 foot 5°38.3′S 118°18.3′E
5 fathoms 1 foot 5°37.0′S 118°20.9′E
9 fathoms 2 feet 5°16.5′S 117°32.8′E
9 fathoms 4 feet 5°19.3′S 117°30.0′E
13 fathoms 5°20.7′S 117°32.5′E
9 fathoms 5 feet 5°23.3′S 117°35.4′E
8 fathoms 2 feet 5°25.6′S 117°38.8′E
7 fathoms 2 feet 5°23.9′S 117°44.7′E
5 fathoms 4 feet 5°29.0′S 117°49.0′E
5 fathoms 5 feet 5°27.5′S 117°53.2′E
19 fathoms 5°44.1′S 117°47.8′E
8 fathoms 3 feet 5°32.3′S 117°38.8′E
7 fathoms 2 feet 5°33.4′S 117°44.5′E
11 fathoms 5°50.2′S 117°03.7′E
5 fathoms 5°47.9′S 117°06.8′E
13 fathoms 5°43.3′S 117°28.1′E
15 fathoms 5°31.7′S 117°32.7′E
18 fathoms 5°42.1′S 117°32.1′E
18 fathoms 5°41.6′S 117°35.8′E
11 fathoms 5°35.1′S 117°31.3′E
17 fathoms 5°33.2′S 117°34.1′E
5 fathoms 5°53.9′S 117°18.7′E
(MCNM7897/87)

E7502 1Ed. 8/26/78 LAST NM N9/87 N33/89
Add R Bn at lights 3°34.1′ 118°56.0′E
5°24.2′S 118°26.1′E
(23(191, 192)89 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N33/89 N4/91
Add Light symbols 5°42.3′S 119°46.5′E
5°24.8′S 117°56.8′E
(36(236, 237)90 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N4/91 N15/91
Change Visibility (range) of light to 20M 5°33.0′S 114°26.0′E
(52(454)90 Jakarta)

E7502 1Ed. 8/26/78 LAST NM N15/91 N48/94
Change Visibility (range) of light to 7M 7°05′S 114°16′E
(39(3286)94 Taunton)

E7502 1Ed. 8/26/78 LAST NM N48/94 N27/95
Substitute Dangerous submerged rock for light 7°21.7′S 113°10.1′E
(Indo CH 82)

E7502 1Ed. 8/26/78 LAST NM N27/95 N12/96
Add Danger circle "Obstn" 6°21′S 113°01′E
(45(3710)95 Taunton)

E7502 1Ed. 8/26/78 LAST NM N12/96 N22/96
Add Light Fl 18M 8°22.8′S 113°28.1′E
(14(1226)96 Taunton)

E7502 1Ed. 8/26/78 LAST NM N22/96 N28/96
Add "SUBMARINE EXERCISE AREA" bound by
purple dashed line joining 7°14.2′S 114°20.5′E
7°14.2′S 114°41.0′E
7°23.7′S 114°41.0′E
7°23.7′S 114°20.5′E
Dotted-line circle "Well" 7°16.6′S 114°15.2′E
(BA CH 945)

E7502 1Ed. 8/26/78 LAST NM N28/96 N40/96
Add Wreck 5°45′S 110°57′E
(BA CH 3731)

E7502 1Ed. 8/26/78 LAST NM N40/96 N4/97
Add Light Fl 18M 8°12.7′S 116°22.1′E
(47(3900)96 Taunton)

E7502 1Ed. 8/26/78 LAST NM N4/97 N5/97
Change Light to Fl 19M 5°24.2′S 119°11.4′E
(BA LL)

★**E7503** 1Ed. 7/29/78 NEW CHART N38/78
(DMAHTC)

E7503 1Ed. 7/29/78 LAST NM N38/78 N21/91
Delete Danger circle "Obstr (rep 1978)" 13°29′S 115°46′E
(7(113)91 Sydney)

★**E7504** 1Ed. 8/10/85 NEW CHART N48/85
(DMAHTC)

E7504 1Ed. 8/10/85 LAST NM N48/85 N52/93
Add Platform 19°39.2′S 115°55.7′E
(39(464)93 Sydney)

E7504 1Ed. 8/10/85 LAST NM N52/93 N24/94
Add Superbuoy SBM with light flare symbol
21°13.4′S 114°38.7′E
(14(192)94 Sydney)

★**E7505** 1Ed. 7/30/88 NEW CHART N44/88
(DMAHTC)

E7505 1Ed. 7/30/88 LAST NM N44/88 N46/94
Delete R Bn (AERO) 28°47′S 114°39′E
(35(441)94 Sydney)

★**E7602** 1Ed. 9/23/78 NEW CHART N1/79
(DMAHTC)

E7602 1Ed. 9/23/78 LAST NM N1/79 N5/81
Add "Explosives Dumping Area" bound by purple dashed line joining 8°07′S 109°00′E
8°07′S 109°05′E
8°10′S 109°05′E
8°10′S 109°00′E
(43(464)80 Jakarta)

E7602 1Ed. 9/23/78 LAST NM N5/81 N14/84
Add Depth 232 fathoms 8°23.8′S 109°42.2′E
(6(367)84 Taunton)

E7602 1Ed. 9/23/78 LAST NM N14/84 N35/84
Add Light Fl(3) 15M 5°55.8′S 104°43.0′E
(18(159)84 Jakarta; 37(2395)83 Taunton)

E7602 1Ed. 9/23/78 LAST NM N35/84 N14/89
Add Light Fl(4) 20M 5°21.0′S 102°17.4′E
(4(38)89 Jakarta)

E7602 1Ed. 9/23/78 LAST NM N14/89 N43/93
Delete Light 5°55′S 104°43′E

Change Light to
Fl(2) 41M 5°56′S 104°32′E
Fl(3) 24M 6°44′S 105°13′E
Fl(4) 32M 5°58′S 106°50′E

Add Light Fl 14M R Bn 5°41.5′S 105°42.5′E
(BA CH 1653A; BA LL)

E7602 1Ed. 9/23/78 LAST NM N43/93 N34/96
Add Wreck 5°50′S 109°01′E
(35(236)95 Jakarta)

E7602 1Ed. 9/23/78 LAST NM N34/96 N35/96
Add Dangerous wreck 6°07.9′S 108°26.0′E
Dangerous wreck (PA) 3°50.0′S 107°19.0′E
(5(395), 6(500)96 Taunton)

E7602 1Ed. 9/23/78 LAST NM N35/96 N39/96
Add Dangerous wreck 4°49′S 107°06′E
(18(1542)96 Taunton)

E7602 1Ed. 9/23/78 LAST NM N39/96 N3/97
Add Depth
5 fathoms 3°35′S 107°19′E
5 fathoms 4 feet 3°47′S 107°10′E
(43(3557)96 Taunton)

E7602 1Ed. 9/23/78 LAST NM N3/97 N9/98
Add Danger circle "Obstn" with light symbol 4°40′S 106°36′E
(38(263)97 Jakarta)

E7602 1Ed. 9/23/78 LAST NM N9/98 N50/98
Add Position circle "Pipe rep (1997)" (PA) 4°07.0′S 108°04.5′E
(38(3415)97 Taunton)

★E7603 1Ed. 8/5/78 NEW CHART N39/78
(DMAHTC)

E7603 1Ed. 8/5/78 LAST NM N39/78 N17/85
Add R Bn (AERO) (PA) 10°25.9′S 105°44.1′E
(FLIP)

E7603 1Ed. 8/5/78 LAST NM N17/85 N11/87
Delete Light 10°33′S 105°41′E
(2(38)87 Sydney)

E7603 1Ed. 8/5/78 LAST NM N11/87 N27/89
Delete Latitude designation "30″" 16°25′S 107°04′E

Add Latitude designation "30″" 16°30′S 107°04′E
(DMAHTC)

★E7702 1Ed. 8/26/78 NEW CHART N42/78
(DMAHTC)

★E7703 1Ed. 8/5/78 NEW CHART N38/78
(DMAHTC)

E7703 1Ed. 8/5/78 LAST NM N38/78 N11/85
Delete Depth 8.5 Obstr "Rep (1973)" 13°14.0′S 96°04.8′E

Add Depth 10 fathoms and legend "Muirfield Seamount" 13°09.0′S 96°10.2′E
(47(787)84 Sydney)

★E7704 1Ed. 9/29/84 NEW CHART N48/84
Add Danger circle "Discol water rep (1981)" 17°19′S 97°04′E
(DMAHTC; 28(412)81 Sydney)

★E7802 1Ed. 1/16/82 NEW CHART N13/82
(DMAHTC)

★E7803 1Ed. 9/8/84 NEW CHART N3/88
(DMAHTC)

★E7804 1Ed. 8/4/84 NEW CHART N41/84
Delete Depth 70 fathoms "Rep (1981)" (PA) 18°12′S 88°04′E
(DMAHTC; NVS7273/84)

★E7902 1Ed. 2/13/82 NEW CHART N15/82
(DMAHTC)

E7902 1Ed. 2/13/82 LAST NM N15/82 N28/82
Add Depth 99 fathoms "Rep (1982)" (PA) 7°20.1′S 72°00.0′E

Change Legend "CATALOG 1-N-S" to "CATALOG 1-N-A" in upper right margin of chart
(NVS6692/82)

★E7902 1Ed. 2/13/82 LAST NM N28/82 N40/83
Add Depths
50 fathoms 7°05.5′S 72°03.2′E
140 fathoms "Rep (1983)" (PA) 6°51.2′S 72°03.5′E
123 fathoms 6°51.4′S 72°12.0′E
167 fathoms "Rep (1982)" 6°47.4′S 71°09.2′E
102 fathoms "Rep (1982)" 7°38.4′S 71°24.0′E
145 fathoms "Rep (1982)" 7°45.3′S 70°53.0′E
(NVS7028, 7030, 7035/83)

★E7902 1Ed. 2/13/82 LAST NM N40/83 N22/85
Add Depths
48 fathoms "Rep (1983)" (PA) 7°14.2′S 72°21.7′E
125 fathoms "Rep (1983)" (PA) 7°51.1′S 71°24.8′E
189 fathoms "Rep (1983)" (PA) 7°53.0′S 71°29.3′E
192 fathoms "Rep (1984)" (PA) 7°56.1′S 71°28.1′E
260 fathoms "Rep (1983)" (PA) 7°57.5′S 71°05.1′E
190 fathoms "Rep (1983)" (PA) 8°00.7′S 70°55.2′E
(NVS7458/85)

E7902 1Ed. 2/13/82 LAST NM N22/85 N24/97
Delete Stranded wreck 5°13.0′S 72°26.5′E

Add Dangerous wreck 5°12.4′S 72°27.2′E
(13(1158)97 Taunton)

E7902 1Ed. 2/13/82 LAST NM N24/97 N40/97
Add Depth 173 fathoms 8°46.5′S 70°17.0′E
(27(2361)97 Taunton)

E7902 1Ed. 2/13/82 LAST NM N40/97 N44/97
Add Depth 319 fathoms 8°20.0′S 71°22.0′E
(29(2572)97 Taunton)

★E7903 1Ed. 3/10/84 NEW CHART N39/84
(DMAHTC)

★**E8002** 1Ed. 2/13/82 NEW CHART N15/82
(DMAHTC)

★**E8003** 1Ed. 3/31/84 NEW CHART N37/84
(DMAHTC)

★**E8004** 1Ed. 3/31/84 NEW CHART N37/84
(DMAHTC)

E8004 1Ed. 3/31/84 LAST NM N37/84 N37/85
Add Depth 22 fathoms "Rep (1985)" 19°42.0′S 64°21.6′E
(30(1983)85 Taunton)

E8004 1Ed. 3/31/84 LAST NM N37/85 N34/95
Delete R Bn (AERO) 19°43′S 63°23′E
(BA RA)

★**E8102** 1Ed. 5/22/82 NEW CHART N29/82
Change Legend "CATALOG 1-N-S" to "CATALOG 1-N-A" in upper right corner of chart
(DMAHTC)

E8102 1Ed. 5/22/82 LAST NM N29/82 N22/85
Add Depth 10 fathoms 5 feet "Rep (1985)" 6°27.0′S 58°10.0′E
(11(766)85 Taunton)

E8102 1Ed. 5/22/82 LAST NM N22/85 N38/85
Add Depths
20 fathoms 6°29′S 57°10′E
12 fathoms "Rep (1985)" 6°26′S 58°31′E
(30(1984)85 Taunton)

E8102 1Ed. 5/22/82 LAST NM N38/85 N27/86
Add Depth 293 fathoms "Rep (1977)" (PA) 8°07.3′S 59°52.0′E
(MCNM7777/86)

E8102 1Ed. 5/22/82 LAST NM N27/86 N37/88
Add Depth 26 fathoms 6°42.9′S 56°31.5′E
(28(2125)88 Taunton)

E8102 1Ed. 5/22/82 LAST NM N37/88 N34/90
Add Depth 107 fathoms 8°39′S 51°36′E
(9(38)90 Brest)

E8102 1Ed. 5/22/82 LAST NM N34/90 N11/92
Add R Bn (AERO) 7°08.5′S 56°16.2′E
(50(3553)91 Taunton)

E8102 1Ed. 5/22/82 LAST NM N11/92 N40/95
Add Depth 355 fathoms 9°15′S 53°00′E
(24(23)95 Brest)

★**E8103** 1Ed. 5/5/84 NEW CHART N37/84
Delete Light 14°15.1′S 50°09.2′E

Relocate Light close NW to 14°52.6′S 50°15.3′E
and change visibility (range) to 13M
Note: Aero R Bn remains

Change Lights to
FG 5M 13°21.0′S 50°00.9′E
(AERO) Fl(2) 17M 15°15.8′S 50°27.5′E

Visibility (range) of light to 18M 15°58.5′S 50°14.0′E

Add Legend "Fl 11M" to light 15°50.1′S 54°32.0′E
Depth 6 fathoms (PA) 10°08.0′S 51°00.0′E
(DMAHTC; BA LL; BA CH 758)

E8103 1Ed. 5/5/84 LAST NM N37/84 N30/95
Delete R Bn (AERO) 14°58′S 50°18′E
(22(1745)95 Taunton)

★**E8104** 1Ed. 5/5/84 NEW CHART N37/84
Delete Lights 21°13.1′S 48°21.3′E
22°08.0′S 48°01.8′E
22°49.9′S 47°50.0′E

Change Characteristic of light to Fl R 20°09.1′S 57°28.8′E
(DMAHTC; BA LL)

E8104 1Ed. 5/5/84 LAST NM N37/84 N4/89
Add R Bn (AERO) 20°16.8′S 57°20.8′E
(46(3437)88 Taunton)

E8104 1Ed. 5/5/84 LAST NM N4/89 N11/89
Change Light to Iso R 10M 20°09.1′S 57°28.8′E
(BA LL)

E8104 1Ed. 5/5/84 LAST NM N11/89 N17/95
Change Visibility (range) of light to
21M 20°54′S 55°16′E
23M 20°53′S 55°36′E
(42(37)94 Brest)

E8104 1Ed. 5/5/84 LAST NM N17/95 N35/95
Change Light to Fl(4) 26M 22°07′S 48°02′E
(BA LL; BA RA)

E8104 1Ed. 5/5/84 LAST NM N35/95 N38/96
Delete R Bn (AERO) 20°26′S 57°41′E
(BA RA)

E8104 1Ed. 5/5/84 LAST NM N38/96 N43/97
Add Legend "CAUTION NO 3" 21°02′S 55°30′E

Caution No. 3 to CAUTIONS note in upper right margin of chart
"3. Fish Aggregating Devices (FADs) are present in deep water around Ile de la Reunion. The floats are fitted with multiple orange, red or yellow ball topmarks and a radar reflector. Caution is advised, as the watch circle may have a radius of up to one mile. Users are advised to consult larger scale chart coverage and Sailing Directions for details on FADs."
(NIMA; Fr CH 7183, 7222)

★**E8202** 1Ed. 1/23/82 NEW CHART N15/82
(DMAHTC)

E8202 1Ed. 1/23/82 LAST NM N15/82 N42/90
Add Depth 65 fathoms "Rep (l990)" 3°26.7′S 40°07.1′E
(MCNM 1021/90)

★**E8203** 1Ed. 1/30/82 NEW CHART N15/82
(DMAHTC)

E8203 1Ed. 1/30/82 LAST NM N15/82 N32/86
Delete Depth 9 fathoms "Rep (1943)" 12°41.0′S 41°36.3′E
(MCNM7792/86)

E8203 1Ed. 1/30/82 LAST NM N32/86 N3/88
Add Depth 22 fathoms 12°14.7′S 47°43.8′E
(38(43)87 Brest)

E8203 1Ed. 1/30/82 LAST NM N3/88 N47/91
Delete Depths
16 fathoms 12°17.0′S 47°04.8′E
21 fathoms 12°18.5′S 46°58.0′E
23 fathoms 12°20.5′S 47°00.9′E

Dangerous submerged rocks and legends
"Breakers (1958)" (ED) 12°13.2′S 46°12.3′E
"Breakers (1958)" (PA) 11°52.0′S 46°27.7′E
"Reef Rep (1974)" 11°42.2′S 46°18.1′E

Dangerous submerged rock (ED) 11°59.2′S 46°26.7′E
(26(28)91 Brest)

E8203 1Ed. 1/30/82 LAST NM N47/91 N38/96
Delete R Bn (AERO) 15°40′S 46°20′E
(BA RA)

E8203 1Ed. 1/30/82 LAST NM N38/96 N4/97
Add Depth
36 fathoms (PD) 12°43.2′S 48°05.7′E
8 fathoms 4 feet (ED) 12°02.0′S 44°23.0′E
(47(3879, 3880)96 Taunton)

★E8204 1Ed. 2/13/82 NEW CHART N15/82
Delete Chart number 8304 from chart index in right margin of chart
(DMAHTC)

E8204 1Ed. 2/13/82 LAST NM N15/82 N34/85
Add Depth 70 fathoms 21°48.1′S 35°37.9′E
(26(1725)85 Taunton)

E8204 1Ed. 2/13/82 LAST NM N34/85 N17/86
Relocate Latitude designations
"30" 10 miles S to 22°30′S 34°57′E
"30′" 10 miles N 19°30′S 34°57′E

Add Depth 55 fathoms 22°19.6′S 35°43.0′E
(9(82)85 Cape Town; DMAHTC)

E8204 1Ed. 2/13/82 LAST NM N17/86 N17/96
Change Visibility (range) of light to 24M 21°31.1′S 35°28.9′E
(BA LL)

★E8205 1Ed. 2/13/82 NEW CHART N15/82
(DMAHTC)

E8205 1Ed. 2/13/82 LAST NM N15/82 N20/82
Add Depth 257 fathoms 24°46′S 42°53′E
(1(83)81 Cape Town)

E8205 1Ed. 2/13/82 LAST NM N20/82 N41/83
Add Depth 326 fathoms "Rep (1983)" 26°53.7′N 46°01.2′E
(33(2146)83 Taunton)

E8205 1Ed. 2/13/82 LAST NM N41/83 N43/83
Add Depth 326 fathoms "Rep (1983)" 26°53.7′S 46°01.2′E
(Cancels N41/83-E8205)
(33(2146)83 Taunton)

E8205 1Ed. 2/13/82 LAST NM N43/83 N43/84
Add Depth 66 fathoms (PA) 25°30.0′S 47°22.5′E
(36(2363)84 Taunton)

E8205 1Ed. 2/13/82 LAST NM N43/84 N38/96
Delete R Bn (AERO) 23°24′S 43°44′E
(BA RA)

★E8305 1Ed. 2/20/82 NEW CHART N15/82
Add Note
"NOTE
"OMEGA" Australia Station G, is under construction and is scheduled to become operational in 1982. Users will be notified by Notice to Mariners and the normal OMEGA information sources when the station begins operation." in right margin of chart
(DMAHTC)

E8305 1Ed. 2/20/82 LAST NM N15/82 N5/83
Change Light to Fl(2) 15M 26°51.3′S 32°53.3′E
(45(2745)82 Taunton)

E8305 1Ed. 2/20/82 LAST NM N5/83 N42/84
Add Depth 105 fathoms (PA) 28°40′S 32°40′E
(36(2358)84 Taunton)

E8305 1Ed. 2/20/82 LAST NM N42/84 N43/84
Add Depth 191 fathoms (PA) 26°25.0′S 34°19.5′E
(36(2359)84 Taunton)

E8305 1Ed. 2/20/82 LAST NM N43/84 N38/85
Add Light Fl 25M R Bn 28°08.9′S 32°33.1′E
(7(59)85 Cape Town)

E8305 1Ed. 2/20/82 LAST NM N38/85 N24/86
Add Depth 110 fathoms 28°46.0′S 32°34.5′E
(BA CH 2088)

E8305 1Ed. 2/20/82 LAST NM N24/86 N35/86
Add Light Fl(4) 25M R Bn 27°33.9′S 32°42.5′E
(6(57)86 Cape Town)

E8305 1Ed. 2/20/82 LAST NM N35/86 N34/95
Delete R Bn (AERO) 25°52′S 32°36′E
(BA RA)

★E8306 1Ed. 4/20/85 NEW CHART N26/85
Add "EXPLOSIVES DUMPING AREA" bound by purple dashed-line circle, radius five miles, centered 30°28′S 31°21′E
(DMAHTC; 4(40)85 Cape Town)

E8306 1Ed. 4/20/85 LAST NM N26/85 N5/90
Add "Unexploded Ordnance" area bound by purple dashed-line circle, radius 5 miles, centered 30°40′S 32°00′E
(11(64)89 Cape Town)

E8306 1Ed. 4/20/85 LAST NM N5/90 N12/96
Add Wreck 30°02′S 31°06′E
(10(100)95 Cape Town)

★E8406 1Ed. 8/3/85 NEW CHART N47/85
(DMAHTC)

E8406 1Ed. 8/3/85 LAST NM N47/85 N5/90
Add "Unexploded Ordnance" area bound by purple dashed-line circle, radius 5 miles, centered 33°30′S 29°00′E

Purple dashed-line arc of a circle, radius 5 miles
centered 35°00′S 26°10′E
arc joining 35°00′S 26°04′E
34°55′S 26°10′E
35°00′S 26°16′E

Legend "Unexploded Ordnance" 34°57′S 26°10′E
(11(64)89 Cape Town)

E8406 1Ed. 8/3/85 LAST NM N5/90 N46/96
Delete R Bn (AERO) 34°00′S 22°31′E
(BA RA)

E8406 1Ed. 8/3/85 LAST NM N46/96 N33/97
Add Wreck (PA) 31°39.3′S 29°40.4′E
(6(75)97 Cape Town)

★E8407 1Ed. 5/11/85 NEW CHART N35/85
(DMAHTC)

E8407 1Ed. 5/11/85 LAST NM N35/85 N5/90
Add "Unexploded Ordnance" area bound by purple dashed-line circle, radius 5 miles, centered 36°10′S 24°10′E

Purple dashed-line arc of a circle radius 5 miles, centered 35°00′S 26°10′E
arc joining 35°00′S 26°04′E
35°05′S 26°10′E
35°00′S 26°16′E

Legend "Unexploded Ordnance" 35°03′S 26°10′E
(11(64)89 Cape Town)

E8407 1Ed. 5/11/85 LAST NM N5/90 N49/96
Add Depth 131 fathoms 35°38.3′S 22°34.0′E
(8(86)96 Cape Town)

E8407 1Ed. 5/11/85 LAST NM N49/96 N50/97
Add Wreck (PA) 35°11′S 21°00′E
(9(104)97 Cape Town)

E8407 1Ed. 5/11/85 LAST NM N50/97 N32/98
Add Platform with light flare symbol 35°14.0′S 21°29.9′E
Legend "Oribi Oilfield" 35°13.2′S 21°27.6′E
(6(68)98 Cape Town)

★E8502 1Ed. 7/19/80 NEW CHART N40/80
Delete R Bn (AERO) 6°00′S 12°24′E
(DMAHTC; BA RA)

E8502 1Ed. 7/19/80 LAST NM N40/80 N18/95
Add Platform 7°12.2′S 12°23.5′E
(6(33)95 Brest)

E8502 1Ed. 7/19/80 LAST NM N18/95 N28/95
Add "OIL FIELD" area bound by
purple dashed line joining 5°11′S 11°32′E
5°16′S 11°38′E
5°18′S 11°32′E
(14(1197)95 Taunton)

E8502 1Ed. 7/19/80 LAST NM N28/95 N40/96
Add Platform with light flare symbol 5°23′S 11°40′E
(26(2154)96 Taunton)

★E8503 1Ed. 7/19/80 NEW CHART N42/80
Add Depth 10 fathoms Rep (1974) 11°23.5′S 13°29.5′E
(DMAHTC)

E8503 1Ed. 7/19/80 LAST NM N42/80 N28/87
Add Depth 83 fathoms 14°23.23′S 12°06.65′E
(20(1506)87 Taunton)

E8503 1Ed. 7/19/80 LAST NM N28/87 N11/88
Delete Depth 83 fathoms 14°23.23′S 12°06.65′E
(Supersedes N28/87-E8503)
(51(3862)87 Taunton)

E8503 1Ed. 7/19/80 LAST NM N11/88 N44/92
Delete R Bn (AERO) 12°22′S 13°32′E
R Bn (AERO) at light 12°36′S 13°23′E
(BA RA)

E8503 1Ed. 7/19/80 LAST NM N44/92 N47/97
Delete Light 10°45.2′S 13°43.1′E
(BA LL)

★E8504 1Ed. 7/26/80 NEW CHART N43/80
(DMAHTC)

E8504 1Ed. 7/26/80 LAST NM N43/80 N43/90
Delete R Bn 22°10′S 14°17′E
(8(44)90 Cape Town)

E8504 1Ed. 7/26/80 LAST NM N43/90 N4/92
Add Depth 315 fathoms 19°25.7′S 10°06.9′E
(34(2452)91 Taunton)

E8504 1Ed. 7/26/80 LAST NM N4/92 N2/95
Delete R Bn 22°40.5′S 14°31.5′E
(11(89)94 Cape Town)

E8504 1Ed. 7/26/80 LAST NM N2/95 N6/98
Add Wreck (PA) 22°03.0′S 12°48.0′E
(10(111)97 Cape Town)

★E8505 1Ed. 8/16/80 NEW CHART N45/80
(DMAHTC)

E8505 1Ed. 8/16/80 LAST NM N45/80 N44/92
Delete R Bn (AERO) 28°37′S 13°30′E
(BA RA)

E8505 1Ed. 8/16/80 LAST NM N44/92 N32/98
Add Buoy Y, conical, Fl(5) 15s 28°37.7′S 14°35.2′E
(3(40)98 Cape Town)

★E8506 1Ed. 7/5/80 NEW CHART N34/80
(DMAHTC)

E8506 1Ed. 7/5/80 LAST NM N34/80 N36/80
Change Visibility (range) of lights to
34M 34°21.0′S 18°30.0′E
25M 34°23.0′S 18°50.5′E
33M 34°09.0′S 18°19.5′E
(SAN CH 4)

E8506 1Ed. 7/5/80 LAST NM N36/80 N53/83
Change Visibility (range) of light to
23M 33°03.1′S 17°55.0′E
29M 33°25.8′S 18°05.4′E
24/12M 33°48.8′S 18°22.0′E

Add Legend "(Correct through NM 27/80)"
in lower left margin of chart
(DMAHTC; SAN LL)

E8506 1Ed. 7/5/80 LAST NM N53/83 N50/91
Add Depths
110 fathoms 34°25.5′S 18°02.5′E
212 fathoms 34°35.3′S 17°51.5′E
189 fathoms 34°48.2′S 18°05.5′E
(27(1951)91 Taunton)

E8506 1Ed. 7/5/80 LAST NM N50/91 N4/92
Delete Depths
110 fathoms 34°25.5′S 18°02.5′E
212 fathoms 34°35.3′S 17°51.5′E
189 fathoms 34°48.2′S 18°05.5′E
(Supersedes N50/91-E8506)

Add Depths
321 fathoms 34°34.3′S 17°50.0′E
260 fathoms 34°47.2′S 18°03.7′E
197 fathoms 34°28.0′S 17°55.0′E
(34(2453)91 Taunton)

E8506 1Ed. 7/5/80 LAST NM N4/92 N52/92
Add Submarine cable joining 33°50.7′S 17°53.0′E
33°51.2′S 17°51.8′E
33°51.6′S 17°50.0′E
33°56.7′S 17°26.2′E
33°56.9′S 17°22.8′E
33°57.0′S 17°20.0′E
(9(60)92 Cape Town)

E8506 1Ed. 7/5/80 LAST NM N52/92 N7/98
Delete Depth 40 fathoms "Rep (1937)" 30°55.0′S 15°05.6′E
(39(3484)97 Taunton)

E8506 1Ed. 7/5/80 LAST NM N7/98 N32/98
Add Wreck (PA) 34°42.6′S 18°08.6′E
(4(50)98 Cape Town)

E8506 1Ed. 7/5/80 LAST NM N32/98 N40/98
Delete Legend "PD" from depth 52 fathoms 33°12.5′S 16°36.8′E
(6(66)98 Cape Town)

★E8507 1Ed. 7/6/85 NEW CHART N43/85
(DMAHTC)

E8507 1Ed. 7/6/85 LAST NM N43/85 N45/86
Add Depth 929 fathoms 37°41′S 16°03′E
(9(85)86 Cape Town)

★E8602 1Ed. 9/20/80 NEW CHART N48/80
(DMAHTC)

E8602 1Ed. 9/20/80 LAST NM N48/80 N18/91
Add Depth 383 fathoms 6°28.0′S 1°12.0′E
(7(499)91 Taunton)

★E8603 1Ed. 8/16/80 NEW CHART N45/80
(DMAHTC)

★E8604 1Ed. 8/23/80 NEW CHART N45/80
(DMAHTC)

★E8605 1Ed. 9/13/80 NEW CHART N48/80
(DMAHTC)

E8605 1Ed. 9/13/80 LAST NM N48/80 N34/89
Add Depths
127 fathoms 26°11.3′S 6°20.3′E
129 fathoms 26°12.8′S 6°17.7′E
127 fathoms 26°13.7′S 6°16.1′E
(MCNM7551/85)

★E8606 1Ed. 7/20/85 NEW CHART N7/86
(DMAHTC)

E8606 1Ed. 7/20/85 LAST NM N7/86 N33/88
Add Depth 27 fathoms 31°37.3′S 8°19.0′E
(MCNM7551/85)

E8606 1Ed. 7/20/85 LAST NM N33/88 N44/98
Add Depth 3¾ fathoms 31°41.0′S 8°22.0′E
(6(462)98 Taunton)

★E8607 1Ed. 5/4/85 NEW CHART N30/85
(DMAHTC)

★800072 2Ed. 5/7/05 NEW EDITION N29/05
(NGA)

★800113 6Ed. 1/24/09 NEW EDITION N26/09
(NGA)

★800273 2Ed. 12/29/90 NEW EDITION N19/91
(DMAHTC)

★800323 1Ed. 10/26/96 NEW CHART N48/96
Add Note in upper right margin of chart
"BUOYAGE
IALA Buoyage System, Region A, is in effect in the area covered by this chart. See Chart No. 1."
(NIMA)

800323 1Ed. 10/26/96 LAST NM N48/96 N49/97
Add Depth 3.3 meters 22°17′44″S 150°20′11″E
(19(516)97 Wollongong)

800323 1Ed. 10/26/96 LAST NM N49/97 N21/98
Add Depth 5.2 meters 22°11′18″S 150°22′29″E
(5(138)98 Wollongong)

800323 1Ed. 10/26/96 LAST NM N21/98 N17/99
Add Chartlet, depicting changes in hydrography, from Subsection I-2 22°20′00″S 150°32′00″E
(Aus CH 260)

800323 1Ed. 10/26/96 LAST NM N17/99 N32/99
Add Note from Subsection I-2 in right upper margin of chart
(6(176)99 Wollongong)

★800564 2Ed. 5/7/94 NEW EDITION N25/94
(DMAHTC)

★800669 9Ed. 1/17/09 NEW EDITION N26/09
(NGA)

★800742 1Ed. 8/4/90 NEW CHART N40/90
Change Note in upper left margin of chart to
"BUOYAGE
IALA Buoyage System (Region B) is in effect in the area covered by this chart. See Chart No. 1"
(DMAHTC; MCNM1000/90)

★800744 1Ed. 9/24/88 NEW CHART N49/88
(DMAHTC)

800744 1Ed. 9/24/88 LAST NM N49/88 N10/93
Substitute Buoy "6" R, Fl R 2.5s for light "6" 21°17′57″N 157°53′45″W
(5/93 CG14)

800744 1Ed. 9/24/88 LAST NM N10/93 N5/95
Delete Anchorage area and legend "NAVAL...BERTHS" centered 21°16′25″N 157°51′10″W
21°17′17″N 157°55′00″W

Change Buoys, each to R, pillar, Fl R 4s
"2" 21°17′15″N 157°51′43″W
"12A" 21°27′21″N 157°48′42″W

Add Anchorage areas, each bound by dashed-line circle
"A" radius 350 yards, centered 21°16′57″N 157°53′12″W
"C" radius 450 yards 21°17′09″N 157°54′55″W
"D" radius 450 yards 21°17′21″N 157°55′20″W

Anchorage area "B" bound by dashed line joining 21°17′06″N 157°54′40″W
21°17′22″N 157°54′40″W
21°17′22″N 157°54′19″W
21°17′06″N 157°54′19″W
(41, 46/94 CG14)

800744 1Ed. 9/24/88 LAST NM N5/95 N18/95
Change Range light,
front to FR,
QR 14m 15M 21°19′36″N 157°58′15″W
rear to FG,
Iso G 6s 28m 17M 21°19′57″N 157°58′25″W
Note: Range bearing remains unchanged
(10/95 CG14)

800744 1Ed. 9/24/88 LAST NM N18/95 N39/97
Change Light "13" to "W" Fl(2+1) G 6s 21°20′32″N 157°58′18″W
(35/97 CG14)

800744 1Ed. 9/24/88 LAST NM N39/97 N9/98
Change Characteristic of range light,
front to FR 21°17′16″N 157°50′36″W
rear to QR 21°17′19″N 157°50′36″W
(4/98 CG14)

800744 1Ed. 9/24/88 LAST NM N9/98 N15/98
Change Light "21" to "F" Fl(2+1) G 6s 21°21′16″N 157°57′58″W
(10/98 CG14)

800744 1Ed. 9/24/88 LAST NM N15/98 N45/98
Change Height of range light, rear to 17m 21°29′33″N 157°50′11″W
(40/98 CG14)

800744 1Ed. 9/24/88 LAST NM N45/98 N48/98
Change Designation of beacon "7" to "7A" 21°29′32″N 157°49′46″W
(42/98 CG14)

800744 1Ed. 9/24/88 LAST NM N48/98 N9/00
Delete Depth 22 meters 21°16′52″N 157°51′30″W

Add Obstruction "(Fish haven) (auth min 12.3m)" [K46.2] bound by dotted line joining 21°16′56″N 157°51′37″W
21°16′52″N 157°51′34″W
21°16′52″N 157°51′30″W
21°16′53″N 157°51′32″W
(NOS)

800744 1Ed. 9/24/88 LAST NM N9/00 N28/00
Add Danger circle "Subm platform rep (2000)" (PA)
[K40] 21°17′N 157°59′W
(NTM0013/2000)

800744 1Ed. 9/24/88 LAST NM N28/00 N33/00
Change Buoy "26" to "9" G, can 21°22′26″N 157°56′43″W
Buoy "27" to "8" R, Fl R 2½s 21°22′20″N 157°56′57″W
Buoy "29" to "6" R, Fl R 6s 21°22′24″N 157°57′20″W
Buoy "36" to "1" G, Fl G 4s 21°21′30″N 157°58′19″W
Light "33" to "4" Fl R 4s 21°21′40″N 157°58′12″W
Light "35" to "2" Fl R 2½s 21°21′32″N 157°58′10″W
(23/00 CG14)

800744 1Ed. 9/24/88 LAST NM N33/00 N21/01
Substitute Buoy "4" R, nun for beacon "4" 21°27′44″N 157°47′00″W
(15/01 CG14)

800744 1Ed. 9/24/88 LAST NM N21/01 N22/02
Add Buoy (mooring) [Q40] 21°17′26″N 157°53′00″W
(17/02 CG14)

800744 1Ed. 9/24/88 LAST NM N22/02 N49/02
Add Depth 30 meters with legend "Obstn" enclosed
by dashed-line circle 21°17′32″N 157°56′24″W
(35/02 CG14)

800744 1Ed. 9/24/88 LAST NM N49/02 N5/03
Add Buoy Y, Fl Y 20s (Priv) 21°25′00″N 157°40′39″W
(37/02 CG14)

800744 1Ed. 9/24/88 LAST NM N5/03 N12/03
Delete Buoy "10" 21°26′55″N 157°47′40″W

Add Buoy "S" GR, can 21°26′54″N 157°47′41″W
(7/03 CG14)

800744 1Ed. 9/24/88 LAST NM N12/03 N13/03
Relocate Buoy from 21°25′00″N 157°40′39″W to
21°25′00″N 157°40′00″W
and add designation "098"
(See N5/03-800744)
(6/03 CG14)

800744 1Ed. 9/24/88 LAST NM N13/03 N16/03
Delete Beacon "10" 21°28′22″N 157°49′44″W

Change Designation of beacon "7A" to "9"
21°29′32″N 157°49′49″W
Designation of beacon "9" to "11"
21°29′18″N 157°49′48″W
Designation of beacon "8" to "12"
21°29′16″N 157°49′56″W
Designation of beacon "11" to "15"
21°28′13″N 157°49′34″W
Designation of buoy "11A" to "17"
21°27′46″N 157°49′24″W
Designation of buoy "12A" to "20"
21°27′22″N 157°48′43″W

Designation of light "12" to "18" 21°27′40″N 157°49′19″W
Designation of light "13" to "21" 21°27′13″N 157°48′13″W
Designation of light "16" to "22" 21°26′43″N 157°47′38″W
Designation of light "19" to "25" 21°26′37″N 157°47′20″W
Designation of buoy "20" to "26" 21°26′14″N 157°47′12″W

Add Light "14" Fl R 4s 15ft 4M 21°28′23″N 157°49′44″W
(8/03 CG14)

800744 1Ed. 9/24/88 LAST NM N16/03 N36/03
Change Buoy to "H" RW, ball topmark, Mo(A) Racon
(– – –) 21°16′50″N 157°52′47″W
(29/03 CG14)

800744 1Ed. 9/24/88 LAST NM N36/03 N47/03
Add Light "F" Fl Y 4s 27ft (Priv) 21°27′54″N 157°45′03″W
(37/03 CG14)

800744 1Ed. 9/24/88 LAST NM N47/03 N50/03
Add Buoy (mooring) [Q40] "CG" 21°22′07″N 157°58′51″W
(42/03 CG14)

800744 1Ed. 9/24/88 LAST NM N50/03 N10/04
Add Position circle "Pipe" [L23] 21°17′40″N 157°57′04″W
(2/04 CG14)

800744 1Ed. 9/24/88 LAST NM N10/04 N30/04
Change Visibility (range) of light "7" to 3M
21°18′03″N 157°52′09″W
(25/04 CG14)

800744 1Ed. 9/24/88 LAST NM N30/04 N47/04
Add Position circle "Pile" [F22] (PA) 21°16′47″N 157°50′44″W
(41/04 CG14)

800744 1Ed. 9/24/88 LAST NM N47/04 N12/05
Add Position circle "Pile" [F22] (PA) 21°16′48″N 157°50′46″W
(45/04 CG14)

800744 1Ed. 9/24/88 LAST NM N12/05 N33/06
Add Depth 10.6 meters "Rep (2003)" 21°20′31″N 157°58′06″W
(NTM0018/2006)

800744 1Ed. 9/24/88 LAST NM N33/06 N49/06
Add Depth 14.6 meters Obstn [K41] 21°14′58″N 157°46′10″W
(NOS)

800744 1Ed. 9/24/88 LAST NM N49/06 N21/07
Change Visibility (range) of light to 13M 21°27′44″N 157°45′49″W
(18/07 CG14)

800744 1Ed. 9/24/88 LAST NM N21/07 N24/07
Delete Position circle "Pipe" 21°17′40″N 157°57′04″W
(NOS)

800744 1Ed. 9/24/88 LAST NM N24/07 N42/07
Add Buoy "T" Y, pillar, Fl Y 4s (Priv) with legend
"(FAD)" 21°28′48″N 157°28′48″W
(29/07 CG14)

800744 1Ed. 9/24/88 LAST NM N42/07 N14/08
Change Range light, front to QR 15m 21°19′36″N 157°58′15″W
Range light, rear to Oc R 4s 29m 21°19′57″N 157°58′25″W
(9/08 CG14)

800744 1Ed. 9/24/88 LAST NM N14/08 N15/08
Delete Light "F" 21°27′54″N 157°45′03″W
(11/08 CG14)

800744 1Ed. 9/24/88 LAST NM N15/08 N22/08
Add Buoy "AW" Y, pillar, Fl Y 4s (Priv)
21°16′47″N 157°50′54″W
Buoy "KN" Y, pillar, Fl Y 4s (Priv)
21°17′19″N 157°51′54″W
(18/08 CG14)

800744 1Ed. 9/24/88 LAST NM N22/08 N27/08
Add Buoy "F" Y, pillar, Fl Y 4s 21°27′57″N 157°45′02″W
(23/08 CG14)

800744 1Ed. 9/24/88 LAST NM N27/08 N29/08
Add Buoy "CRIMP", pillar, Fl Y 4s (Priv)
21°27′23″N 157°47′46″W
(25/08 CG14)

800744 1Ed. 9/24/88 LAST NM N29/08 N51/08
Change Designation of buoy "F" to "G" 21°27′57″N 157°45′02″W
(See N27/08-800744)
(48/08 CG14)

800744 1Ed. 9/24/88 LAST NM N51/08 N3/09
Add Buoy (mooring) [Q41] "HST" Fl 2s
21°13′37″N 157°51′58″W
(51/08 CG14)

800744 1Ed. 9/24/88 LAST NM N3/09 N26/09
Change Buoy to "6" R, pillar, Fl R 2.5s 21°17′29″N 157°51′33″W

(continued on next page)

800744 (Continued) 26/09
Buoy to "4" R, pillar, Fl R 2.5s 21°17′24″N 157°51′34″W

Add Buoy "3" G, pillar, Fl G 4s 21°17′23″N 157°51′41″W
(22/09 CG14)

★800778 2Ed. 7/22/95 NEW EDITION N39/95
Add Legend "LIMITED DISTRIBUTION" in upper left and lower right margins of chart

Note in lower right margin of chart "LIMITED DISTRIBUTION: Distribution authorized to DoD, IAW 10 U.S.C. subsec. 130 & 2796. Release authorized to U.S. DoD contractors IAW 48 C.F.R. sec. 252.245-7000. Refer other requests to Headquarters, DMA, ATTN: Release Officer, Stop A-10. Destroy as "For Official Use Only." Removal of this caveat is prohibited."
(DMA)

800778 2Ed. 7/22/95 LAST NM N39/95 N34/97
Add Depth
42 meters 30°59′53″N 29°01′12″E
40 meters 31°00′03″N 29°01′59″E
43 meters 30°59′46″N 29°04′03″E
(GIMM043/97)

★800778 2Ed. 7/22/95 LAST NM N34/97 N33/98
Add Wreck 30°59′49″N 28°51′13″E

Depth
3.7 meters 30°53′53″N 28°55′46″E
5 meters 30°55′00″N 28°52′36″E
1.2 meters 30°54′46″N 28°51′31″E
3.8 meters 30°56′19″N 28°51′01″E
39.5 meters 31°01′38″N 28°48′50″E
(GIMM043/98)

800778 2Ed. 7/22/95 LAST NM N33/98 N48/01
Delete Depth 13.7 meters 30°54′30″N 29°11′43″E
Depth 13.7 meters 30°53′45″N 29°13′21″E
Depth 13.7 meters 30°56′44″N 29°13′17″E

Add Depth 26.8 meters 30°54′40″N 29°11′38″E
Depth 9.5 meters 30°54′05″N 29°13′01″E
Depth 38 meters 30°56′36″N 29°13′16″E
Depth 5.2 meters 30°54′17″N 29°14′23″E
Depth 7.1 meters 30°52′55″N 29°14′57″E
(NTM0052/2001)

800778 2Ed. 7/22/95 LAST NM N48/01 N27/05
Delete Dangerous wreck 31°00′06″N 28°51′05″E

Substitute Depth 24.6 meters Wk [K26] for wreck
30°59′49″N 28°51′13″E
(GIMM043/98)

★801217 1Ed. 2/7/98 NEW CHART N26/98
Delete Submarine cable in vicinity 26°20.9′N 127°55.2′E

Relocate Buoy "3" close SW to 26°24′25″N 127°55′55″E

Change Caution No. 3 of CAUTIONS note in upper right margin of chart to
"3. Attention is called to the fact that in many cases pipelines are not buried, and charted depths may be decreased by up to two meters. In addition, gas pipelines contain flammable natural gas under high pressure. Any vessel damaging such a line could face an immediate fire hazard, or loss of buoyancy. Vessels are requested not to anchor or trawl in the vicinity of pipelines."
(NIMA; 44(2112)96, 44(1928)97 Tokyo)

801217 1Ed. 2/7/98 LAST NM N26/98 N19/99
Substitute Disused submarine cable for submarine cable joining 26°23′02″N 127°59′29″E
26°23′05″N 127°59′20″E
26°22′47″N 127°59′00″E
26°22′35″N 127°58′07″E
(6(255)98 Tokyo)

801217 1Ed. 2/7/98 LAST NM N19/99 N20/99
Add Light Mo(B) G 8s 3M to beacon 26°08′30″N 127°52′40″E
(7(305)98 Tokyo; Jpn LL)

801217 1Ed. 2/7/98 LAST NM N20/99 N22/99
Add Depth
14 meters 26°24′56″N 127°53′37″E
5 meters 26°24′05″N 127°54′30″E
20.5 meters 26°24′17″N 127°54′54″E
23.5 meters 26°24′42″N 127°55′37″E
7.8 meters 26°24′18″N 127°55′52″E
18 meters 26°23′58″N 127°56′00″E
20.2 meters 26°24′24″N 127°56′39″E
(13(576)99 Tokyo)

801217 1Ed. 2/7/98 LAST NM N22/99 N42/99
Substitute Disused submarine cable [L32] for submarine cable between 26°10′04″N 127°50′06″E
26°06′33″N 127°56′17″E
(15(655)98 Tokyo)

801217 1Ed. 2/7/98 LAST NM N42/99 N7/01
Delete Solid line (breakwater) between 26°14′23″N 127°56′24″E
26°14′27″N 127°56′18″E

Depth 1.3 meters 26°14′27″N 127°56′07″E
Depth 2.2 meters 26°14′23″N 127°56′14″E
Buoy 26°17′57″N 127°52′36″E

Add Land tint to area bound by shore and solid line joining 26°19′59″N 127°51′06″E
26°20′16″N 127°51′27″E
26°20′24″N 127°51′49″E
26°19′55″N 127°52′13″E
26°19′34″N 127°52′19″E
26°19′26″N 127°52′07″E
26°19′46″N 127°51′47″E
26°19′44″N 127°51′46″E
26°19′52″N 127°51′38″E
26°19′41″N 127°51′23″E

Buoy G, conical, (G Lt) 26°19′11″N 127°50′48″E
Light Fl R 3s 10m 6M 26°18′15″N 127°52′27″E

Solid line (breakwater extension) joining
26°14′23″N 127°56′24″E
26°14′18″N 127°56′12″E
26°14′22″N 127°56′08″E
(27(1150), 42(1737)98, 20(857)99 Tokyo)

801217 1Ed. 2/7/98 LAST NM N7/01 N36/01
Add Visibility (range) 7M to superbuoy
26°13′54″N 127°50′00″E
and delete legend "Priv"
(Jpn LL)

801217 1Ed. 2/7/98 LAST NM N36/01 N42/01
Add Light Mo(U) 12s 34m 14M 26°22′25″N 127°58′01″E
(11(455)99 Tokyo)

801217 1Ed. 2/7/98 LAST NM N42/01 N43/01
Delete Buoy 26°24′57″N 127°56′00″E

Change Characteristic of light to FG 26°17′41″N 127°54′47″E

Characteristic of buoy "2" to Fl(2) R 6s
26°13′36″N 127°56′00″E

Add Buoy "2" R, pillar, cone topmark, Fl R 4s
26°25′02″N 127°55′55″E
Buoy "4" R, pillar, cone topmark, Fl R 3s
26°24′57″N 127°56′18″E
Beacon R, cone topmark, Fl(2) R 6s 3M
26°18′43″N 127°45′07″E

Double solid line with land tint (bridge) [D22] and legend "(13)" between 26°20′10″N 127°57′23″E
26°19′26″N 127°57′32″E
(45(1619), 49(1765)00, 1(16), 23(838), 30(1153)01 Tokyo)

801217 1Ed. 2/7/98 LAST NM N43/01 N5/02
Delete Light 26°32′39″N 128°03′14″E
Buoy 26°30′36″N 128°04′18″E
Buoy 26°30′48″N 128°04′30″E
(50(1885)01 Tokyo)

801217 1Ed. 2/7/98 LAST NM N5/02 N6/02
Change Characteristic of buoy to Fl(2)R 6s
26°25′02″N 127°50′44″E
(51(1928)01 Tokyo)

801217 1Ed. 2/7/98 LAST NM N6/02 N7/02
Delete Jetty 26°15′52″N 127°48′15″E
Buoy "6" 26°15′39″N 127°49′13″E
Buoy "4" 26°15′27″N 127°49′24″E
Buoy "5" 26°15′20″N 127°49′03″E
Buoy "1" 26°15′04″N 127°49′30″E

Relocate Beacon "3" from 26°18′24″N 127°55′31″E to
26°18′24″N 127°55′38″E
Beacon "5" from 26°18′35″N 127°55′28″E to
26°18′29″N 127°55′35″E
Beacon "7" from 26°18′39″N 127°55′21″E to
26°18′43″N 127°55′24″E
(50(1882, 1883)01 Tokyo)

801217 1Ed. 2/7/98 LAST NM N7/02 N21/02
Delete Light 26°16′33″N 127°43′48″E

Add Light Fl G 3s 10m 3M 26°16′28″N 127°43′38″E
(15(539)02 Tokyo)

801217 1Ed. 2/7/98 LAST NM N21/02 N6/03
Delete Submarine cables (2) in vicinity 26°19′40″N 127°57′10″E
(48(1668)02 Tokyo)

801217 1Ed. 2/7/98 LAST NM N6/03 N8/03
Delete Buoy "2" 26°10′58″N 127°47′10″E
Buoy "3" 26°10′36″N 127°47′00″E

Change Characteristic of buoy "1" to Fl(2) G 6s
26°11′12″N 127°47′36″E

Add Buoy "4" R, pillar, cone topmark, Fl R 3s
26°10′56″N 127°47′08″E
Buoy "5" G, pillar, can topmark, Fl G 3s
26°10′34″N 127°47′01″E
(51(1796)02 Tokyo)

801217 1Ed. 2/7/98 LAST NM N8/03 N19/03
Change Light to Fl G 3s 9m 3M 26°11′18″N 127°48′43″E
(12(422)03 Tokyo)

801217 1Ed. 2/7/98 LAST NM N19/03 N20/03
Substitute Depth 1 meter for 3.9 meters 26°10′04″N 127°54′18″E
Depth 4.7 meters for 6.4 meters 26°09′55″N 127°53′47″E

Add Depth 9 meters 26°10′00″N 127°53′53″E
Depth 8.5 meters 26°09′38″N 127°53′11″E
Depth 18.6 meters 26°08′23″N 127°52′58″E
(13(478)03 Tokyo)

801217 1Ed. 2/7/98 LAST NM N20/03 N22/03
Change Visibility (range) of light to 5M 26°18′10″N 127°52′17″E
Visibility (range) of light to 4M 26°18′15″N 127°52′27″E
(13(472)03 Tokyo)

801217 1Ed. 2/7/98 LAST NM N22/03 N33/03
Add Depth 2 meters 26°24′12″N 127°50′58″E
Superbuoy [Q26] 26°14′06″N 127°48′48″E
(22(845), 24(921)03 Tokyo)

801217 1Ed. 2/7/98 LAST NM N33/03 N37/03
Delete Depth 8.2 meters 26°16′33″N 127°58′28″E

Depth 5.9 meters and
bottom characteristic "rky" 26°16′39″N 127°58′14″E

Depth 7 meters 26°16′38″N 127°57′35″E

Add Depth 7.5 meters 26°16′35″N 127°58′28″E
Depth 5.4 meters 26°16′42″N 127°58′14″E
Depth 5.4 meters 26°16′40″N 127°57′34″E
(31(1201)03 Tokyo)

801217 1Ed. 2/7/98 LAST NM N37/03 N6/04
Delete Superbuoy 26°14′06″N 127°48′48″E
(See N33/03-801217)
(34(1336)03 Tokyo)

801217 1Ed. 2/7/98 LAST NM N6/04 N12/04
Substitute Solid line for dashed line in vicinity
26°18′33″N 127°52′49″E
(46(1716)03 Tokyo)

801217 1Ed. 2/7/98 LAST NM N12/04 N26/04
Delete Submarine cable in vicinity 26°17′12″N 127°44′00″E
(10(274)04 Tokyo)

801217 1Ed. 2/7/98 LAST NM N26/04 N44/04
Delete Buoy "2" 26°15′14″N 127°49′39″E
Buoy "3" 26°15′23″N 127°49′19″E
(28(738)04 Tokyo)

801217 1Ed. 2/7/98 LAST NM N44/04 N6/05
Delete Light 26°15′47″N 127°49′03″E
(48(1236)04 Tokyo)

801217 1Ed. 2/7/98 LAST NM N6/05 N26/05
Delete Submarine pipeline in vicinity 26°15′30″N 127°49′21″E
(20(581)05 Tokyo)

801217 1Ed. 2/7/98 LAST NM N4/06 N24/06
Change Visibility (range) of light to 13M 26°09′06″N 127°53′11″E
(8(241)06 Tokyo)

801217 1Ed. 2/7/98 LAST NM N24/06 N6/09
Delete Light 26°24′31″N 127°50′12″E

Change Visibility (range) of light to 10M 26°25′09″N 127°51′16″E
Visibility (range) of beacon to 7M 26°21′29″N 127°56′24″E
Visibility (range) of light to 4M 26°23′09″N 127°58′35″E
Visibility (range) of light to 9M 26°22′25″N 127°58′01″E
Light to Fl(2) WR 6s 41m 12M 26°23′43″N 127°59′55″E
Visibility (range) of beacon to 3M 26°22′11″N 128°00′06″E
Visibility (range) of light to 9M 26°22′39″N 127°53′27″E
Visibility (range) of beacon to 1M 26°25′14″N 127°50′24″E
(Jpn CH 228A; Jpn LL)

801217 1Ed. 2/7/98 LAST NM N6/09 N12/09
Delete Buoy "A" 26°23′25″N 127°59′18″E
Buoy "B" 26°22′41″N 127°58′45″E

Change Light to Fl(2) 6s 25m 12M 26°09′06″N 127°53′11″E
Visibility (range) of light to 8M 26°11′06″N 127°49′26″E
Visibility (range) of light to 12M 26°12′53″N 127°47′43″E
Visibility (range) of light to 8M 26°15′32″N 127°53′11″E
Visibility (range) of light to 12M 26°14′44″N 127°56′21″E
Light to Fl G 3s 11m 4M 26°14′28″N 127°56′11″E
Characteristic of buoy "1" to Fl(2) G 6s
26°12′07″N 127°57′18″E
Visibility (range) of light to 10M 26°17′34″N 127°55′02″E
Visibility (range) of light to 4M 26°18′17″N 127°55′34″E
Visibility (range) of beacon to 3M 26°19′45″N 127°59′55″E
Light to Fl G 3s 11m 5M 26°16′28″N 127°43′38″E

Add Beacon G, can topmark, Fl G 3s 5m 3M
26°09′12″N 127°53′03″E
Beacon "No 3" G, can topmark, Fl G 3s 1M
26°21′27″N 127°44′21″E
Beacon "No 4" R, cone topmark, Fl R 3s 1M
26°21′25″N 127°44′26″E
Beacon "No 2" R, cone topmark, Fl(2) R 6s 3M
26°21′20″N 127°44′21″E
(5(185)09 Tokyo; Jpn CH 222A; Jpn LL)

801217 1Ed. 2/7/98 LAST NM N12/09 N16/09
Change Light to Fl(2) 6s 25m 5M 26°31′59″N 128°05′24″E
(45(1592)08 Tokyo)

★801885 4Ed. 2/3/07 NEW EDITION N34/07
(NGA)

★**801887** 2Ed. 9/25/93 NEW EDITION N43/93
(DMAHTC)

★**801889** 2Ed. 9/25/93 NEW EDITION N43/93
(DMAHTC)

801889 2Ed. 9/25/93 LAST NM N43/93 N40/97
Add Stranded wreck 19°01′29″N 57°49′40″E
(28(2240)95 Taunton)

801889 2Ed. 9/25/93 LAST NM N40/97 N37/99
Change Legend "Tomb" to "Rock (conspic)"
18°58′12″N 57°48′06″E
(27(2358)98 Taunton)

★**801902** 9Ed. 8/29/98 NEW EDITION N48/98
Change Latitude limit in upper right margin of chart to 18°18′17.4″N
(NIMA; GIMM001/98)

801902 9Ed. 8/29/98 LAST NM N48/98 N25/03
Delete Light 18°05′46.0″N 65°25′27.8″W
(17/03 CG7)

801902 9Ed. 8/29/98 LAST NM N25/03 N31/03
Delete Light 18°06′31.2″N 65°22′33.8″W
(24/03 CG7)

801902 9Ed. 8/29/98 LAST NM N31/03 N14/04
Relocate Buoy "14" from 18°17′58.2″N 65°16′52.5″W
to 18°18′00.7″N 65°16′51.1″W
(2/04 CG7)

801902 9Ed. 8/29/98 LAST NM N14/04 N29/04
Relocate Buoy "6" from 18°17′10.2″N 65°15′50.0″W to
18°17′08.2″N 65°15′47.4″W
(23/04 CG7)

801902 9Ed. 8/29/98 LAST NM N29/04 N12/05
Delete Light 18°18′04.1″N 65°18′38.4″W
(6/05 CG7)

801902 9Ed. 8/29/98 LAST NM N12/05 N38/05
Add Fishing stakes [K44.1] between
18°16′40.2″N 65°20′00.0″W
18°16′24.0″N 65°19′43.2″W
(22/05 CG7)

★**801925** 1Ed. 3/25/89 NEW CHART N24/89
Change Characteristic of range lights,
front to Iso 4s 12°42′42″N 61°19′37″W
rear to Fl 5s 12°42′44″N 61°19′34″W

front to F 12°42′05″N 61°19′52″W
rear to F 12°41′51″N 61°19′46″W

Legend to "JACK A DAN ISLAND"
12°29′45″N 61°27′50″W

Line 2 of TIDES note in lower right margin of chart to "very much influenced by local causes. It is high water at full and change of the moon at" and line 4 to "stream setting to the westward is aided and accelerated by the westerly equatorial"
(DMAHTC; BA LL)

801925 1Ed. 3/25/89 LAST NM N24/89 N45/90
Add Light QR (PA) 12°29′08″N 61°28′52″W
(35(2501)90 Taunton)

801925 1Ed. 3/25/89 LAST NM N45/90 N8/93
Delete Buoy 12°39′24″N 61°23′33″W

Substitute Beacon YBY, double cone topmark points together, VQ(9) 10s for buoy
12°34′57″N 61°24′42″W

Add Buoys
R, pillar, cone topmark, Fl R 4s 12°42′20″N 61°20′14″W
G, pillar, can topmark, Fl G 4s 12°42′33″N 61°20′13″W
BYB, pillar, double cone topmark bases together, VQ(3) 5s 12°39′34″N 61°23′38″W
YBY, pillar, double cone topmark points together, VQ(9) 10s 12°38′13″N 61°24′13″W
(32(2392)92 Taunton)

801925 1Ed. 3/25/89 LAST NM N8/93 N23/94
Delete Depth 16.8 meters 12°25′51″N 61°30′00″W

Add Rock awash 12°25′57″N 61°30′02″W
12°25′48″N 61°30′02″W
(7(624)94 Taunton; MCC1349/94)

801925 1Ed. 3/25/89 LAST NM N23/94 N16/95
Substitute Beacon
BYB, double cone topmark bases together, VQ(3) 5s for buoy 12°39′34″N 61°23′38″W
YBY, double cone topmark points together, VQ(9) 10s for buoy 12°38′13″N 61°24′13″W

Change Characteristic of light to Fl G 12°29′42″N 61°27′58″W
(1(76)95 Taunton; BA LL)

801925 1Ed. 3/25/89 LAST NM N16/95 N25/95
Delete Buoy 12°42′20″N 61°20′14″W
12°42′33″N 61°20′13″W

Add Beacon
R, cone topmark, Fl R 4s 12°42′23″N 61°20′06″W
G, can topmark, Fl G 4s 12°42′37″N 61°19′58″W
(5(411)95 Taunton)

801925 1Ed. 3/25/89 LAST NM N25/95 N41/98
Add Dangerous wreck "Rep (1998)" (PA) 12°31.8′N 61°23.3′W
(36(3262)98 Taunton)

801925 1Ed. 3/25/89 LAST NM N41/98 N25/00
Add Beacon YBY, VQ(9) 10s [Q82] 12°28′37″N 61°30′35″W
(16(1461)99 Taunton)

801925 1Ed. 3/25/89 LAST NM N25/00 N29/06
Add Depth 5.1 meters, blue tint and enclosing depth contour (10-meter) "Rep (2006)"
12°44′29″N 61°20′39″W
(23(2660)06 Taunton)

801925 1Ed. 3/25/89 LAST NM N29/06 N3/07
Substitute Depth 5.8 meters, blue tint and enclosing depth contour (10-meter) "Rep (2005)" for 11.3 meters 12°44′24″N 61°20′37″W
(7(890)05 Taunton)

★**801926** 1Ed. 8/4/90 NEW CHART N40/90
Add Note in right margin of chart
"BUOYAGE
IALA Buoyage System (Region B) is in effect in the area covered by this chart. See Chart No. 1"
(DMAHTC; MCNM1000/90)

801926 1Ed. 8/4/90 LAST NM N40/90 N44/04
Add Superbuoy ODAS [Q58] "46071" Y, Fl(4) Y 20s 51°19′05.4″N 179°06′02.5″E
(NTM0002/2004)

801926 1Ed. 8/4/90 LAST NM N44/04 N27/05
Delete Superbuoy ODAS "46071" 51°19′05.4″N 179°06′02.5″E
(See N44/04-801926)
(20/05 CG17)

★**801953** 1Ed. 2/25/78 NEW EDITION N14/78
(DMAHC)

801953 1Ed. 2/25/78 LAST NM N14/78 N22/78
Add Depths
6.7 meters in 17°55′24″N 66°12′03″W
2.1 meters 17°56′52″N 66°13′27″W
9.7 meters 17°54′32″N 66°15′45″W
7.6 meters 17°55′31″N 66°16′04″W
2.1 meters 17°56′58″N 66°17′29″W
(H9485)

801953 1Ed. 2/25/78 LAST NM N22/78 N6/79
Delete Light 17°57′43″N 66°17′43″W
(1/79 CG7)

801953 1Ed. 2/25/78 LAST NM N6/79 N48/83
Delete Light "5" 17°55′53″N 66°09′37″W
(43/83 CG7)

801953 1Ed. 2/25/78 LAST NM N48/83 N8/88
Add Dangerous wreck (PA) 17°53′48″N 66°10′53″W
(3/88 CG7)

801953 1Ed. 2/25/78 LAST NM N8/88 N14/88
Delete Buoy "2" 17°54′14″N 60°04′36″W
(51/85 CG7)

801953 1Ed. 2/25/78 LAST NM N14/88 N19/88
Delete Buoy "2" 17°54′14″N 66°04′36″W
(Cancels N14/88-801953)
(51/85 CG7)

801953 1Ed. 2/25/78 LAST NM N19/88 N25/88
Delete Dangerous wreck (PA) 17°53′48″N 66°10′53″W
(Supersedes N8/88-801953)

Add Dangerous wreck (PA) 17°53′46″N 66°11′01″W
(19/88 CG7)

801953 1Ed. 2/25/78 LAST NM N25/88 N39/03
Delete Depth 4.7 meters and enclosing depth contour
17°56′38″N 66°17′43″W

Dangerous wreck (PA) "rep" 17°55′57″N 66°15′38″W

Add Buoy "A" Y, can (Priv) 17°55′18″N 66°33′55″W

Depth 3 meters with legend "Co Hd"
17°56′38″N 66°17′44″W
Depth 1.8 meters with legend "Co Hd"
17°56′14″N 66°17′21″W

Depth 4.9 meters Rk [K14.2] 17°55′52″N 66°15′43″W
Depth 5.5 meters Rk [K14.2] 17°55′46″N 66°15′38″W
Depth 16.5 meters Rk [K14.2] 17°54′37″N 66°15′57″W
(NOS; 29/03 CG7)

801953 1Ed. 2/25/78 LAST NM N39/03 N52/03
Change Visibility (range) of light to 10M 17°53′34″N 66°31′16″W
(35/03 CG7)

★**801959** 2Ed. 6/9/79 NEW EDITION N30/79
(DMAHTC)

801959 2Ed. 6/9/79 LAST NM N30/79 N35/89
Add Rock awash (PA) 60°07.0′N 148°00.1′W
(30/89 CG17)

801959 2Ed. 6/9/79 LAST NM N35/89 N45/97
Add Dangerous submerged rock "Rep (1997)"
60°04′42″N 147°55′54″W
(39/97 CG17)

801959 2Ed. 6/9/79 LAST NM N45/97 N34/00
Add Depth 14 meters 60°13′30″N 147°42′01″W
(NTM0008/2000)

801959 2Ed. 6/9/79 LAST NM N34/00 N36/00
Add Depth 5.1 meters 60°13′45″N 147°20′36″W
Depth 5.1 meters 60°13′47″N 147°19′07″W
Depth 5.5 meters 60°13′56″N 147°20′26″W
Depth 4.5 meters 60°14′03″N 147°21′06″W
Depth 3.9 meters 60°14′13″N 147°23′49″W
(NTM0008/2000)

801959 2Ed. 6/9/79 LAST NM N36/00 N37/00
Add Depth 7 meters 60°14′15″N 147°20′53″W
(NTM0008/2000)

801959 2Ed. 6/9/79 LAST NM N37/00 N39/00
Add Depth 0.5 meter [I10] 60°13′30″N 147°16′29″W
(NTM0008/2000)

801959 2Ed. 6/9/79 LAST NM N39/00 N40/00
Add Depth 13.5 meters [I10] 60°14′03″N 147°18′46″W
Depth 16 meters [I10] 60°14′12″N 147°17′23″W
(NTM0008/2000)

801959 2Ed. 6/9/79 LAST NM N40/00 N19/01
Add Rock which does not cover [K10] 60°13′17″N 147°29′16″W
Rock which does not cover [K10] 60°13′29″N 147°29′34″W
Rock which does not cover [K10] 60°13′54″N 147°30′25″W

Rock awash [K12] 60°14′07″N 147°30′36″W
Depth 17.5 meters 60°12′59″N 147°29′19″W
Depth 7 meters 60°13′03″N 147°29′43″W
Depth 14 meters 60°13′08″N 147°28′59″W
Depth 10 meters 60°13′40″N 147°31′07″W
Depth 8.5 meters 60°13′55″N 147°30′49″W
(NTM0006/2001)

801959 2Ed. 6/9/79 LAST NM N19/01 N46/01
Add Depth 17.5 meters 60°10′38″N 147°33′28″W
Depth 10 meters 60°11′37″N 147°31′28″W
Depth 15.5 meters 60°11′53″N 147°30′07″W
Depth 19.5 meters 60°11′54″N 147°32′39″W
Depth 4 meters 60°11′55″N 147°31′36″W
Depth 8.5 meters 60°12′26″N 147°30′58″W
Depth 10.5 meters 60°12′38″N 147°30′37″W
Depth 17 meters 60°12′58″N 147°29′29″W
Depth 7.5 meters 60°13′01″N 147°29′47″W
(NTM0006/2001)

801959 2Ed. 6/9/79 LAST NM N46/01 N10/02
Add Depth 6 meters 60°11′44″N 147°43′50″W
Depth 4.5 meters 60°11′36″N 147°44′26″W
(NOS)

801959 2Ed. 6/9/79 LAST NM N10/02 N7/07
Add Dashed-line circle "Subm buoy (cov 22m)"
59°57′48″N 147°53′42″W
Danger circle [K40] "Subm buoy (cov 15m)"
59°56′00″N 147°50′06″W
(2/07 CG17)

801959 2Ed. 6/9/79 LAST NM N7/07 N21/09
Add Light symbol [P1] 60°03′49″N 148°00′29″W
Light symbol [P1] 60°03′48″N 148°00′32″W
Legend "2 Fl R 6s 23ft (Priv)" 60°03′43″N 148°00′06″W
(12/09 CG17)

★**802184** 4Ed. 8/2/75 NEW EDITION N40/75
(DMAHC)

802184 4Ed. 8/2/75 LAST NM N40/75 N40/81
Add Purple dashed line "Sewer (under construction)" joining 36°46′30.3″N 75°57′15.9″W
36°46′48.0″N 75°55′54.3″W
36°47′10.5″N 75°55′38.3″W
(CL970/81)

T 802184 4Ed. 8/2/75 LAST NM N40/81 N42/81
Add Buoy "B", orange and white bands,
Fl 4sec (PA) 36°50′05″N 75°54′19″W
(37/81 CG5)

802184 4Ed. 8/2/75 LAST NM N42/81 N12/82
Delete Buoy "B" 36°50′05″N 75°54′19″W
(Supersedes N42/81T-802184)
(7/82 CG5)

T 802184 4Ed. 8/2/75 LAST NM N12/82 N32/82
Add Buoys, each orange and white,
"A" Fl 2.5sec WHIS 36°49′48.6″N 75°54′13.1″W
"B", can 36°49′34.8″N 75°54′11.2″W
"C" Fl 4sec WHIS 36°49′25.0″N 75°54′09.8″W
(27/82 CG5)

802184 4Ed. 8/2/75 LAST NM N32/82 N52/82
Delete Buoys
"A" 36°49′48.6″N 75°54′13.1″W
"B" 36°49′34.8″N 75°54′11.2″W
"C" 36°49′25.0″N 75°54′09.8″W
(Supersedes N32/82T-802184)
(47/82 CG5)

802184 4Ed. 8/2/75 LAST NM N52/82 N31/85
Relocate Lights
"1" close E to 36°49′45.8″N 75°57′58.8″W
and change to Fl G 4s 21ft 4M
"2" close NE 36°49′49.8″N 75°58′01.5″W
and change to Fl R 2.5s 22ft 3M
(26/85 CG5)

802184 4Ed. 8/2/75 LAST NM N31/85 N25/87
Change Note in lower left margin of chart to

"Users should refer corrections, additions, and comments for improving this product to: DIRECTOR, DEFENSE MAPPING AGENCY HYDROGRAPHIC/ TOPOGRAPHIC CENTER, ATTN: PR, Washington, D.C. 20315-0030."

Add Buoy "RI", red and white stripes, Mo(A) 36°50′02″N 75°56′48″W
(MCNM7880/87)

802184 4Ed. 8/2/75 LAST NM N25/87 N38/87
Add Buoy "A", yellow, Fl Y 2.5s 36°49′33″N 75°51′03″W
(28/87 CG5)

802184 4Ed. 8/2/75 LAST NM N38/87 N30/88
Add Restricted area bound by chart borders and purple dashed lines
between 36°50′12″N 75°54′30″W
36°45′12″N 75°52′37″W

joining 36°45′12″N 75°58′12″W
36°47′00″N 75°58′45″W
36°47′18″N 75°56′54″W
36°50′12″N 75°54′57″W

Legends
"R6606" 36°46′30″N 75°54′50″W
"W-50" 36°48′20″N 75°52′10″W
(MCNM8112/88)

802184 4Ed. 8/2/75 LAST NM N30/88 N50/90
Add Buoys
"A" Y, Fl Y 2.5s 36°50′00.0″N 75°53′23.7″W
"B" Y, Fl Y 4s 36°49′30.4″N 75°53′24.7″W
"C" Y, Fl Y 6s 36°49′04.7″N 75°53′25.6″W
(45/90 CG5)

802184 4Ed. 8/2/75 LAST NM N50/90 N34/93
Change Legend to "RESTRICTED AREA"
36°48′27″N 75°57′47″W
(FED REG 7/12/93)

802184 4Ed. 8/2/75 LAST NM N34/93 N35/97
Substitute Beacon "1" G for light 36°49′45.8″N 75°57′58.8″W

Add Buoy "RI" RW, Mo(A) WHIS 36°49′59.7″N 75°57′01.2″W
(27, 29/97 CG5)

802184 4Ed. 8/2/75 LAST NM N35/97 N18/00
Relocate Buoy "RI" from 36°50′00″N 75°57′01″W
to 36°49′47.3″N 75°57′03.7″W
(3/00 CG5)

802184 4Ed. 8/2/75 LAST NM N18/00 N19/00
Delete Buoy "RI" 36°50′02″N 75°56′48″W
(NTM0013/2000)

802184 4Ed. 8/2/75 LAST NM N19/00 N38/01
Relocate Buoy "RI" from 36°49′47.3″N 75°57′03.7″W
to 36°49′47.2″N 75°56′57.0″W
(8/01 CG5)

802184 4Ed. 8/2/75 LAST NM N38/01 N52/08
Delete Beacon "1" 36°49′45.8″N 75°57′58.8″W
Light "2" 36°49′49.8″N 75°58′01.5″W

Add Light "4" Iso R 6s 23ft 6M 36°49′49.4″N 75°57′59.4″W
(44/08 CG5; US CH 12205)

★802202 8Ed. 4/15/78 NEW EDITION N22/78
(DMAHC)

802202 8Ed. 4/15/78 LAST NM N22/78 N29/79
Delete Light 38°09′39″N 76°06′35″W
(24/79 CG5)

802202 8Ed. 4/15/78 LAST NM N29/79 N7/80
Change Visibility (range) of light to 9M 38°07′40″N 76°17′27″W
(3/80 CG5)

802202 8Ed. 4/15/78 LAST NM N7/80 N25/80
Add Danger circle "Obstr (rep 1980)" (PA) 38°06.5′N 76°07.5′W
(20/80 CG5)

802202 8Ed. 4/15/78 LAST NM N25/80 N31/80
Delete Legends
"(Sept 15 to June 1)" 38°04′05″N 76°05′45″W
"(Sept 15 to June 1)" 38°12′06″N 75°58′56″W
"(Sept 15 to June 1)" 38°13′38″N 76°04′16″W
(26/80 CG 5)

802202 8Ed. 4/15/78 LAST NM N31/80 N24/85
Delete Purple dashed line between 38°08′15″N 76°09′12″W
38°09′48″N 76°10′00″W

Change Light to Q 85ft 8M 38°11′43″N 76°05′37″W

Add Purple dashed line
(restricted area limit) joining 38°08′15″N 76°09′12″W
38°08′15″N 76°10′02″W
38°09′50″N 76°10′02″W
(NVS7464/85)

802202 8Ed. 4/15/78 LAST NM N24/85 N27/85
Delete Bn "4" 38°10′10″N 75°57′00″W

Buoys
"1" 38°10′12″N 75°57′25″W
"2" 38°10′09″N 75°57′22″W

Lights 38°10′12″N 75°56′56″W
38°10′13″N 75°56′47″W

Add Lights
"1" Fl G 2.5s 15ft 3M (PA) 38°10′13.0″N 75°57′22.0″W
"4" Fl R 6s 19ft 4M (PA) 38°10′12.3″N 75°57′00.0″W
(23/85 CG5)

802202 8Ed. 4/15/78 LAST NM N27/85 N31/85
Delete Buoy "2" 38°10′09″N 75°57′21″W
(See N27/85-802202)
(USCG LL)

802202 8Ed. 4/15/78 LAST NM N31/85 N39/86
Add Dangerous wreck marked by buoy, black, IQ (PA) 38°06′48″N 76°17′54″W
(34/86 CG5)

802202 8Ed. 4/15/78 LAST NM N39/86 N15/87
Add Buoy "T", red and white stripes nun
38°10′05″N 75°58′43″W
(9/87 CG5)

802202 8Ed. 4/15/78 LAST NM N15/87 N25/87
Change Lights to
Fl 2.5s 37ft 7M 38°04′08″N 76°05′47″W
Fl Y 4s 85ft 5M 38°11′42″N 76°05′39″W

Characteristic of buoy "54" to Fl R 4s
38°06′09″N 76°12′42″W

Buoy to green and red bands,
can (topmost band green) 38°12′28″N 75°56′45″W

Note in lower left margin of chart to

"Users should refer corrections, additions, and comments for improving this product to: DIRECTOR, DEFENSE MAPPING AGENCY HYDROGRAPHIC/ TOPOGRAPHIC CENTER, ATTN: PR, Washington, D.C. 20315-0030."
(MCNM7880/87)

802202 8Ed. 4/15/78 LAST NM N25/87 N40/88
Change Color of buoy "HS" to
red and white stripes 38°12′18″N 76°14′33″W
and add ball topmark
(33/88 CG5)

802202 8Ed. 4/15/78 LAST NM N40/88 N17/89
Change Buoy "1" to green, Fl G 4s BELL 38°12′16″N 76°09′20″W
(13/89 CG5)

802202 8Ed. 4/15/78 LAST NM N17/89 N21/89
Add Buoy "4A", red nun 38°12′57″N 76°03′03″W
(17/89 CG5)

802202 8Ed. 4/15/78 LAST NM N21/89 N17/91
Delete Buoys
"52" 38°04′36″N 76°12′05″W
"54" 38°06′12″N 76°12′39″W
"WR" 38°06′49″N 76°17′53″W
(undesignated) 38°11′23″N 76°09′10″W
(undesignated) 38°11′13″N 76°08′23″W

Relocate Buoys
"5" close E to 38°12′09″N 76°01′36″W
and change color to G
"6" close SW 38°12′15″N 76°01′04″W

Substitute Dangerous wreck for stranded wreck
38°12′51″N 76°03′16″W

Change Fog signal of buoy "HS" to WHIS 38°12′18″N 76°14′33″W

Buoy "1" to G, Fl G 4s BELL 38°12′16″N 76°09′20″W

Light to "1" Fl G 4s 16ft 4M 38°13′56″N 76°06′41″W

Light "1" to Fl G 2.5s 20ft 4M 38°13′05″N 75°56′35″W

Add Buoys
"HP" Y, can 38°10′18″N 75°57′54″W
"72" R, Fl R 2.5s BELL 38°06′54″N 76°12′55″W
(MCNM1065/90)

802202 8Ed. 4/15/78 LAST NM N17/91 N32/91
Add Obstruction "(Fish haven) (auth min depth 15ft)" bound by chart border
and dashed line joining 38°06′21″N 76°17′54″W
38°06′21″N 76°17′49″W
38°06′36″N 76°17′49″W
38°06′36″N 76°17′54″W
(CL381/91)

802202 8Ed. 4/15/78 LAST NM N32/91 N39/97
Relocate Light close SW to 38°10′19.2″N 75°57′53.7″W
(35/97 CG5)

802202 8Ed. 4/15/78 LAST NM N39/97 N14/02
Change Light to Fl Y 6s 25ft 5M 38°11′43″N 76°05′37″W
(9/02 CG5)

802202 8Ed. 4/15/78 LAST NM N14/02 N23/02
Change Designation of buoy "5" to "7" 38°12′09″N 76°01′36″W
(19/02 CG5)

802202 8Ed. 4/15/78 LAST NM N23/02 N31/02
Relocate Light from 38°04′08″N 76°05′47″W to
38°04′06.3″N 76°05′42.0″W
(26/02 CG5)

802202 8Ed. 4/15/78 LAST NM N31/02 N35/02
Relocate Light from 38°04′06.3″N 76°05′42.0″W to
38°04′07.1″N 76°05′46.1″W
(Supersedes N31/02-802202)
(30/02 CG5)

802202 8Ed. 4/15/78 LAST NM N35/02 N1/03
Delete HORN from light 38°07′40″N 76°17′27″W
(46/02 CG5)

802202 8Ed. 4/15/78 LAST NM N1/03 N7/03
Add Dangerous wreck [K28] marked by buoy
"WR1" G, QG 38°12′44.3″N 75°57′24.9″W
(51, 52/02 CG5)

802202 8Ed. 4/15/78 LAST NM N7/03 N40/04
Change Designation of light "1" to "1N" 38°13′05″N 75°56′35″W
(34/04 CG5)

802202 8Ed. 4/15/78 LAST NM N40/04 N13/08
Relocate Buoy "12" from 38°06′19.3″N 75°58′21.5″W
to 38°06′19.1″N 75°58′20.9″W
(44/07 CG5)

★802260 6Ed. 1/17/09 NEW EDITION N26/09
(NGA)

★802266 1Ed. 2/24/01 NEW CHART N47/01
(NIMA)

★802659 1Ed. 9/27/88 NEW CHART N51/88
Change Legend to
"(Correct through NM 36/88)"
in lower left margin of chart

Legend to "CATALOG: P2V10"
in upper right margin of chart
(DMAHTC)

802659 1Ed. 9/27/88 LAST NM N51/88 N40/97
Add Anchor berth
"S5" 38°59′22″N 8°32′16″E
"S6" 38°58′28″N 8°28′04″E
"S3' 38°59′40″N 8°28′34″E
"S4" 38°59′40″N 8°30′04″E
(8(6)97 Genova)

★802765 2Ed. 4/6/91 NEW EDITION N25/91
(DMAHTC)

★802827 3Ed. 11/13/76 NEW EDITION N2/77
(DMAHC)

★802985 3Ed. 4/13/91 NEW EDITION N25/91
(DMAHTC)

★803220 1Ed. 8/4/90 NEW CHART N43/90
Change Note in upper left margin of chart to
"BUOYAGE
IALA Buoyage System (Region B) is in effect in the area covered by this chart. See Chart No. 1."
(DMAHTC; MCNM1000/90)

★ 803222 1Ed. 8/30/08 NEW CHART N31/09
(NGA)

★803316 2Ed. 12/5/92 NEW EDITION N10/93
Delete Depth 20 meters and random mark
in vicinity 2°01′08″N 45°30′55″E
(DMAHTC)

803316 2Ed. 12/5/92 LAST NM N10/93 N40/97
Delete Stranded wreck 2°04′40″N 45°25′48″E

Change Legend to "SEE CAUTIONS 1 & 2" 2°01′45″N 45°22′20″E

Caution note in upper right margin to
"CAUTIONS
1. Extreme caution must be used when approaching the breakwater due to obstructions, which lie to the east and south.
2. Navigational aids are reported to be unreliable and subject to change. Mariners are advised to proceed with caution."
(SMEA005/96; 41(3384)96 Taunton)

★803321 1Ed. 12/13/86 NEW CHART N37/87
Substitute Bn, red for light 51°51′11″N 176°38′56″W

Change Period of light "7" to 4s 51°51′23″N 176°37′32″W

Add Buoy "4A", red nun 51°51′57″N 176°36′27″W
(DMAHTC; USCG LL; 23/87 CG17)

803321 1Ed. 12/13/86 LAST NM N37/87 N33/89
Relocate Buoy "3" close W to 51°51′48″N 176°34′02″W
(29/89 CG17)

803321 1Ed. 12/13/86 LAST NM N33/89 N45/01
Delete R Bn (AERO) 51°55′05″N 176°33′44″W
(NOS)

803321 1Ed. 12/13/86 LAST NM N45/01 N48/05
Change Light to "6" Fl R 6s 12m 5M 51°51′41″N 176°37′33″W
(18/05 CG17)

★803333 1Ed. 12/28/96 NEW CHART N8/97
(NIMA)

803333 1Ed. 12/28/96 LAST NM N8/97 N17/99
Add Chartlet, depicting changes in hydrography, from Subsection I-2 22°19′00″S 150°34′00″E
(Aus CH 260)

803333 1Ed. 12/28/96 LAST NM N17/99 N32/99
Add Note from Subsection I-2 in lower right margin of chart
(6(176)99 Wollongong)

★803404 2Ed. 11/5/83 NEW EDITION N50/83
(DMAHTC)

803404 2Ed. 11/5/83 LAST NM N50/83 N21/84
Change Buoys to
Starboard buoy: R, conical, QR 12°02′48″N 61°45′47″W
Port buoy: G, can, QG 12°02′45″N 61°45′33″W
Port buoy: G, can, QG 12°02′48″N 61°45′15″W
Starboard buoy: R, pillar 12°02′45″N 61°45′07″W

Add Starboard buoy: R, pillar, QR 12°02′42″N 61°45′10″W

Note in upper left margin of chart
"CHANGES IN BUOYAGE
Certain buoys, lights and beacons within the area of this chart will be affected by the implementation of the conversion to IALA Maritime Buoyage System in Region B. For further explanation, see annual NM 1(6) and Chart No. 1."
(13(853)84 Taunton)

803404 2Ed. 11/5/83 LAST NM N21/84 N51/84
Delete Light 12°00′20″N 61°47′55″W
(45(2969)84 Taunton)

803404 2Ed. 11/5/83 LAST NM N51/84 N7/85
Add R Bn (AERO) 12°00′29″N 61°46′45″W
(51(3425)84 Taunton)

803404 2Ed. 11/5/83 LAST NM N7/85 N39/86
Add Lights
Q(6) + L Fl 15s 7M 11°59′05″N 61°47′16″W
Q(9) 15s 7M 12°00′06″N 61°48′09″W
Fl(2+1) 20s 18M 12°00′53″N 61°46′33″W

Position circle with legend
"2 Masts (300) R Lts" (PA) 12°01′18″N 61°46′26″W
(7(545), 17(1279), 24(1741)86 Taunton)

803404 2Ed. 11/5/83 LAST NM N39/86 N51/89
Delete Buoy 12°01′15″N 61°48′09″W
(34(2589)89 Taunton)

803404 2Ed. 11/5/83 LAST NM N51/89 N37/96
Add Position circle "R Mast" (PA) 12°05′45.7″N 61°45′09.3″W
(28(2357)96 Taunton)

803404 2Ed. 11/5/83 LAST NM N37/96 N26/02
Change Caution note to
"CAUTIONS
1. Reports indicate that shoal patches with less water than charted, may be encountered on the bank south of Grenada. Mariners are advised to exercise caution. Deep draft vessels, particularly those drawing more than 40 feet should keep outside the 100 fathom curve where possible.
2. Volcanic activity has been reported in this area (1986). Vessels shall avoid entering the submarine volcano exclusion zone."
12°12′30″N 61°54′00″W

Legend to "CAUTION No. 1" 11°54′27″N 61°40′36″W

Add "SUBMARINE VOLCANO EXCLUSION ZONE CAUTION No. 2" bound by purple composite-line circle, radius 0.81 mile, centered 12°17′57″N 61°38′14″W
(18(1875)02 Taunton)

803404 2Ed. 11/5/83 LAST NM N26/02 N8/04
Add Light FR (occas) (PA) 11°59′13″N 61°45′39″W
(2(140)04 Taunton)

★803484 1Ed. 8/4/90 NEW CHART N39/90
Change Note to
"BUOYAGE
IALA Buoyage Systems (Region B) is in effect in the area covered by this chart. See Chart No. 1." 53°43′30″N 178°47′00″E
(DMAHTC)

★803733 1Ed. 8/26/78 NEW CHART N49/78
(DMAHTC)

★804037 1Ed. 5/7/77 NEW CHART N26/77
(DMAHC)

804037 1Ed. 5/7/77 LAST NM N26/77 N51/77
Add Note from back of Section I in lower margin of chart
(DMAHC)

804037 1Ed. 5/7/77 LAST NM N51/77 N52/77
Add Position circle "RA DOME (conspic)"
42°57′51″N 9°22′52″E
(41(37)77 Brest)

804037 1Ed. 5/7/77 LAST NM N52/77 N12/78
Add Depths
60 meters in 43°03′53″N 9°24′37″E
95 meters 43°03′57″N 9°20′31″E
117 meters 43°03′15″N 9°16′44″E
(6(309)78 Taunton)

804037 1Ed. 5/7/77 LAST NM N12/78 N24/78
Add "Anchorage, Dredging and Trawling Prohibited (Cable)" area bound by shore and purple dashed line joining 42°43′57″N 9°20′40″E
42°51′13″N 9°12′21″E
42°51′14″N 9°08′59″E
42°42′55″N 9°19′28″E
(15(41)78 Brest)

804037 1Ed. 5/7/77 LAST NM N24/78 N11/79
Add Depth 8.8 meters 43°01′09″N 9°24′39″E
(52(30)78 Brest)

804037 1Ed. 5/7/77 LAST NM N11/79 N17/79
Add Depths
24 meters in 42°59′37″N 9°16′54″E
15.2 meters 42°59′19″N 9°17′35″E
54 meters 42°45′21″N 9°19′11″E
46 meters Obstr 42°46′14″N 9°12′12″E
46 meters 42°45′54″N 9°06′33″E
(6(43)79 Brest)

804037 1Ed. 5/7/77 LAST NM N17/79 N14/80
Add Note from back of Section I in lower right margin of chart
(NVS6053/80)

804037 1Ed. 5/7/77 LAST NM N14/80 N18/80
Delete Breakwater 42°40′47″N 9°18′00″E

Relocate Light close SE to 42°40′55″N 9°17′40″E

Change Visibility (range) of light to 9M 42°43′02″N 9°15′25″E

Add Lights
Gp Occ WR 9, 6M in 42°40′48″N 9°17′54″E
Fl G 42°40′46″N 9°17′56″E

Solid line (breakwater) joining 42°40′46″N 9°17′56″E
42°40′43″N 9°17′57″E
42°40′42″N 9°18′00″E
(9(43)80 Brest; Fr LL)

804037 1Ed. 5/7/77 LAST NM N18/80 N48/80
Delete Light 42°42′42″N 9°19′27″E

Change Lights to
Occ G 4sec 43m 6M 42°43′01″N 9°15′25″E
Gp Fl G(2) 6sec 5M 42°41′17″N 9°16′50″E
(See N18/80-804037)

Add Light Gp Fl WR(3) 12sec 35m 10M 42°43′00″N 9°19′30″E

"Regulated Area" bound by shore and purple dashed line joining 42°43′55″N 9°20′36″E
42°43′55″N 9°17′30″E
42°47′06″N 9°17′30″E
42°47′06″N 9°20′27″E
(41(42), 42(49)80 Brest; Fr CH 4887)

804037 1Ed. 5/7/77 LAST NM N48/80 N16/81
Delete Depth 60 meters 43°03′53″N 9°24′37″E
(2(44)81 Brest)

804037 1Ed. 5/7/77 LAST NM N16/81 N29/84
Change Visibility (range) of lights to
9M 42°43′02″N 9°15′25″E
7M 42°41′16″N 9°16′50″E
(22(63)84 Brest)

804037 1Ed. 5/7/77 LAST NM N29/84 N43/86
Add Depths
4.8 meters 42°41′34″N 9°18′33″E
4.4 meters 42°41′27″N 9°18′26″E
4.9 meters 42°40′52″N 9°17′42″E
(35(42)86 Brest)

804037 1Ed. 5/7/77 LAST NM N43/86 N10/94
Delete R Bn at light 43°01.5′N 9°24.4′E
(50(30)93 Brest)

804037 1Ed. 5/7/77 LAST NM N10/94 N28/02
Add Depth 15 meters Wk [K26] 42°43′56″N 9°14′53″E
(28(30)01 Brest)

804037 1Ed. 5/7/77 LAST NM N28/02 N33/06
Add Light Fl G 4s 7m 6M, Fl R 4s 2m 2M 42°58′05″N 9°21′01″E
(21(20)06 Brest)

★**804059** 2Ed. 3/6/93 NEW EDITION N18/93
(DMAHTC)

804059 2Ed. 3/6/93 LAST NM N18/93 N18/00
Add Depth 0.6 meter [I3.2] "Shoal Rep (2000)" 14°47′47″N 120°12′28″E
(NTM0001/2000)

804059 2Ed. 3/6/93 LAST NM N18/00 N20/02
Delete Depth 8.5 meters 14°50′12″N 120°13′52″E
Visibility (range) from light 14°45′56″N 120°15′09″E

Add Light Fl 5s to position circle "Tr" 14°50′02″N 120°14′00″E
Buoy, spar, IQG 14°48′26″N 120°14′13″E
Dangerous submerged rock [K13] 14°50′13″N 120°13′53″E
Depth 6.4 meters 14°50′50″N 120°14′38″E

Depth 0.4 meter enclosed by danger circle 14°51′02″N 120°13′43″E
(1(27)02 Taunton; BA LL)

804059 2Ed. 3/6/93 LAST NM N20/02 N43/03
Add Fish trap symbol [K44.2] 14°43′01″N 120°14′13″E
(3(58)02 Manila)

★ **804233** 1Ed. 8/30/08 NEW CHART N31/09
(NGA)

★ **804344** 1Ed. 8/30/08 NEW CHART N31/09
(NGA)

★**804567** 4Ed. 7/7/90 NEW EDITION N36/90
Change Characteristic of light to Fl(2+1) G 10s 19°59′10″N 75°07′47″W

Height of lights to
9m 19°55′08″N 75°09′45″W
13m 19°55′05″N 75°09′17″W
(DMAHTC; 3(34)90 Habana; USCG LL)

804567 4Ed. 7/7/90 LAST NM N36/90 N41/91
Relocate Buoy "14" close SW to 19°57′47″N 75°08′49″W

Substitute Light Fl 2.5s 27m 5M with obscured sector 270°-110° for position circle 19°53′32″N 75°09′50″W
(38/91 CG7)

804567 4Ed. 7/7/90 LAST NM N41/91 N43/91
Delete Bn 19°56′47″N 75°07′30″W

Buoy 19°55′04″N 75°09′32″W

Relocate Light "6" close SW to 19°54′42″N 75°11′56″W

Change Note in upper right margin of chart to "BUOYAGE
IALA Buoyage System (Region B) is in effect in the area covered by this chart. See Chart No. 1."
(MCNM1130/91)

804567 4Ed. 7/7/90 LAST NM N43/91 N6/92
Change Buoy "5" to G, pillar, can topmark, Fl G 3s 19°59′09″N 75°08′01″W
(6(123)91 Habana)

804567 4Ed. 7/7/90 LAST NM N6/92 N16/93
Delete Buoy
"2" 19°54′47″N 75°11′08″W
"2A" 19°54′43″N 75°10′10″W

Relocate Buoy
"1" close NNW to 19°54′47″N 75°11′52″W
"2" (19°55′05″N 75°09′10″W) 19°54′37″N 75°10′16″W
"3" close NE 19°55′16″N 75°10′46″W
"5" close S 19°55′47″N 75°10′00″W
"7" close ENE 19°56′03″N 75°09′09″W
"9" (19°56′31″N 75°08′55″W) 19°56′23″N 75°08′35″W

Change Light
"A" to "4" Fl R 4s 3m 3M 19°57′06″N 75°08′44″W
"B" to "2" QR 4m 3M (PA) 19°56′33″N 75°08′49″W
"2" to "CT" Fl(2+1) R 6s 4m 3M
19°57′57″N 75°07′55″W

Designation of light
"13" to "5" 19°57′48″N 75°08′54″W
"8" to "2" 19°56′47″N 75°07′33″W
"3" to "1" 19°55′54″N 75°08′03″W

Designation of buoy
"14" to "'6" 19°57′47″N 75°08′49″W
"3" to "1" 19°57′17″N 75°08′12″W

Add Buoys, each R, pillar, Fl R
"10" 19°56′08″N 75°08′11″W
"6" 19°55′16″N 75°09′45″W
"4" 19°55′07″N 75°10′10″W

Buoy
"CR" Y, pillar, Fl Y 19°56′07″N 75°08′27″W
"1" G, pillar, QG 19°56′27″N 75°08′58″W
(4, 6/93 CG7)

804567 4Ed. 7/7/90 LAST NM N16/93 N11/96
Substitute Position circle "TR" for light 19°53′32″N 75°09′49″W

Change Visibility (range) of light to 9M 19°53′37″N 75°09′38″W
(SMEA006/96)

804567 4Ed. 7/7/90 LAST NM N11/96 N20/97
Relocate Buoy
"1" (19°54′47″N 75°11′52″W) to
19°54′48″N 75°10′52″W
"7" (19°56′03″N 75°09′09″W) 19°56′03″N 75°09′11″W
"9" (19°56′23″N 75°08′35″W) 19°56′25″N 75°08′34″W
"1" (19°56′27″N 75°08′58″W) 19°56′26″N 75°08′59″W
"1" (19°57′17″N 75°08′12″W) 19°57′15″N 75°08′10″W

Substitute Light "2" Fl R 4s 3m 4M for beacon
19°55′51″N 75°08′09″W
(11/97 CG7)

804567 4Ed. 7/7/90 LAST NM N20/97 N27/00
Add R Bn (AERO) [S16] 20°04′45″N 75°09′30″W
(12(182)99 Habana)

804567 4Ed. 7/7/90 LAST NM N27/00 N17/02
Relocate Buoy "7" from 19°56′03″N 75°09′11″W to
19°56′04″N 75°09′10″W
(5/02 CG7)

804567 4Ed. 7/7/90 LAST NM N17/02 N31/03
Change Period of light to 6s 19°53′37″N 75°09′38″W
(24/03 CG7)

804567 4Ed. 7/7/90 LAST NM N31/03 N9/04
Add Buoy Y, conical, "X" topmark, Fl Y 3s
[Q130.6] 20°00′06″N 75°07′59″W
(11(57)03 Habana)

804567 4Ed. 7/7/90 LAST NM N9/04 N32/04
Substitute Light "1" Fl G 2.5s 3M for buoy "1"
19°54′48″N 75°10′52″W
Light "2" Fl R 2.5s 3M for buoy "2"
19°54′37″N 75°10′18″W
(17/04 CG7)

★805118 3Ed. 1/23/99 NEW EDITION N17/99
Change Legend to "Lights in line 087°54′"
15°13′41″N 145°41′46″E
(NIMA; USCG LL)

805118 3Ed. 1/23/99 LAST NM N17/99 N1/00
Relocate Buoy "2" from 15°13′43″N 145°42′06″E to
15°13′43″N 145°42′09″E
and change designation to "2A"

Add Buoy "2" R, QR [Q3] 15°13′32″N 145°41′44″E
(43-45/99 CG14)

805118 3Ed. 1/23/99 LAST NM N1/00 N12/03
Delete Light 15°14′25″N 145°42′40″E

Add Light Fl 6s 23m 6M with sectors green
030°-040°, white-047°, red-057° 15°14′27″N 145°42′45″E
(2A/03 CG14)

805118 3Ed. 1/23/99 LAST NM N12/03 N36/03
Relocate Range light, front from
15°13′45″N 145°44′22″E to 15°13′46″N 145°44′26″E
Range light, rear from
15°13′46″N 145°44′51″E to 15°13′46″N 145°44′59″E

Change Legend to "Lights in line 088°24′"
15°13′42″N 145°41′44″E
(29, 31/03 CG14)

805118 3Ed. 1/23/99 LAST NM N36/03 N12/04
Relocate Buoy "2" from 15°13′32″N 145°41′44″E to
15°13′13″N 145°41′25″E
(4/04 CG14)

805118 3Ed. 1/23/99 LAST NM N12/04 N24/04
Delete Danger circle "Obstn" 14°58′13″N 145°36′00″E

Add Danger circle "Foul" [K31] 14°58′52″N 145°35′38″E
Danger circle "Subm buoy" 14°58′12″N 145°35′53″E
(NOS)

805118 3Ed. 1/23/99 LAST NM N24/04 N20/05
Delete R Bn (AERO) 15°07′42″N 145°41′32″E
(NOS)

805118 3Ed. 1/23/99 LAST NM N20/05 N32/05
Delete Beacon "A" 15°09′20″N 145°46′10″E
Beacon "B" 15°09′41″N 145°45′31″E
Beacon "C" 15°09′12″N 145°44′52″E
Beacon "D" 15°08′22″N 145°44′25″E

Buoys (mooring) (3) and legend "Tanker
Moorings" in vicinity 15°09′27″N 145°45′38″E

Range beacons (2), range line and legend "Bns
in line" between 15°09′23″N 145°46′16″E
15°09′24″N 145°45′38″E

Range beacons (2) and range line between
15°09′52″N 145°45′38″E
15°09′24″N 145°45′38″E

Add Buoy "9" Y, Fl Y 4s (Priv) with legend
"(FAD)" 15°05′04″N 145°45′08″E
(5, 6/05 CG14)

805118 3Ed. 1/23/99 LAST NM N32/05 N23/07
Add Position circle "R TR" [E29] "(Strobe Lt)"
(PA) 15°03′09″N 145°36′36″E
Position circle "R TR" [E29] "(Strobe Lt)"
(PA) 15°02′44″N 145°36′17″E
(NOS)

805118 3Ed. 1/23/99 LAST NM N23/07 N37/08
Add Submarine cable [L30.1] joining 14°58′42″N 145°34′09″E
14°58′17″N 145°34′15″E
14°57′54″N 145°35′07″E
14°57′54″N 145°35′21″E
14°58′25″N 145°36′24″E
14°58′28″N 145°36′45″E

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805118 (Continued) 37/08
Submarine cable [L30.1] joining 14°58′28″N 145°36′45″E
14°58′27″N 145°36′31″E
14°57′40″N 145°35′26″E
14°56′57″N 145°34′09″E
(NOS)

805118 3Ed. 1/23/99 LAST NM N37/08 N52/08
Add Submarine cable [L30.1] joining 15°06′50″N 145°42′07″E
15°05′41″N 145°40′53″E
15°05′44″N 145°40′06″E
15°06′32″N 145°39′21″E
15°06′47″N 145°38′46″E
15°06′42″N 145°38′06″E
15°06′19″N 145°36′54″E
15°04′33″N 145°35′31″E
15°03′16″N 145°34′44″E
15°00′37″N 145°34′01″E
14°59′13″N 145°34′01″E
14°58′42″N 145°34′09″E

Submarine cable [L30.1] joining 14°56′57″N 145°34′09″E
14°56′19″N 145°33′01″E
14°55′05″N 145°31′12″E
(See N37/08-805118)
(NOS)

★805124 1Ed. 6/22/85 NEW CHART N7/86
(DMAHTC)

805124 1Ed. 6/22/85 LAST NM N7/86 N8/86
Change Note in upper right margin of chart
to
"BUOYAGE
IALA Buoyage System (Region A) is in effect in the area covered by this chart. See Chart No. 1."
(DMAHTC)

805124 1Ed. 6/22/85 LAST NM N8/86 N36/88
Substitute R Bn (AERO) for position circle "Tr"
31°01′36″S 115°20′18″E
(Aus CH 333)

805124 1Ed. 6/22/85 LAST NM N36/88 N30/94
Delete Depth
2.5 meters 30°48.7′S 115°09.7′E
8.4 meters 30°50.3′S 115°10.6′E
6.2 meters 30°50.4′S 115°11.8′E
1.4 meters 30°50.8′S 115°12.8′E

Add Depth
2.3 meters 30°49′44″S 115°12′07″E
8.1 meters 30°50′22″S 115°10′46″E
4.5 meters 30°50′20″S 115°11′51″E

Dangerous submerged rock 30°48′45″S 115°09′44″E
30°50′51″S 115°12′51″E
(20(256)94 Sydney)

805124 1Ed. 6/22/85 LAST NM N30/94 N2/01
Delete Depth 2.1 meters 31°00′18″S 115°19′12″E
Depth 1.3 meters 31°00′46″S 115°19′30″E

Add Beacon G, cone topmark 31°00′21″S 115°19′17″E
Beacon BRB, double ball topmark 31°00′48″S 115°19′35″E
(2(71)00 Wollongong)

805124 1Ed. 6/22/85 LAST NM N2/01 N32/05
Delete Dashed line joining 31°00′54″S 115°15′00″E
30°55′00″S 115°24′00″E
30°47′10″S 115°18′38″E

Dashed line between 30°47′10″S 115°13′17″E
30°49′21″S 115°07′42″E

Change Line 1 of Caution No. 1 in center right margin of chart to
"1. Anchorage is prohibited within the Military Exercise Area during exercises except for the"

Add Green dashed line (military exercise area)
joining 31°00′54″S 115°15′00″E
30°56′15″S 115°17′09″E
30°54′40″S 115°21′53″E
30°52′52″S 115°21′53″E
30°48′49″S 115°19′20″E
30°48′23″S 115°18′40″E
30°48′23″S 115°15′17″E
30°48′58″S 115°14′15″E
30°50′06″S 115°13′50″E
30°50′24″S 115°13′19″E
30°49′21″S 115°07′42″E
(24(798)03 Wollongong)

★805170 2Ed. 12/26/92 NEW EDITION N10/93
(DMAHTC)

★805195 2Ed. 8/20/94 NEW EDITION N30/96
Delete Dotted line
joining 36°14′19″N 129°24′07″E
36°14′13″N 129°24′11″E
36°14′19″N 129°24′16″E

between 36°14′17″N 129°24′57″E
36°13′39″N 129°24′57″E

Change Note in right margin of chart to
"CAUTION
Numerous fish traps and fish havens may exist up to 3 miles offshore."

Add Fish haven area with blue tint bound by existing fish haven and dotted line (limiting danger line)
joining 36°14′19″N 129°23′43″E
36°14′19″N 129°24′16″E
36°12′59″N 129°24′16″E
36°12′59″N 129°24′00″E
36°13′11″N 129°24′00″E
36°13′11″N 129°23′43″E

joining 36°14′17″N 129°24′57″E
36°14′22″N 129°25′02″E
36°14′22″N 129°25′20″E
36°12′39″N 129°25′16″E
36°12′40″N 129°24′27″E
36°12′52″N 129°24′28″E
36°12′52″N 129°24′43″E
36°13′03″N 129°24′43″E
36°13′03″N 129°25′02″E
36°13′39″N 129°24′57″E

"Fish haven" area with blue tint bound by dotted line (limiting danger line)
joining 36°15′36″N 129°23′15″E
36°15′36″N 129°24′19″E
36°15′24″N 129°24′19″E
36°15′24″N 129°23′15″E

joining 36°15′15″N 129°23′09″E
36°15′21″N 129°23′21″E
36°14′45″N 129°23′43″E
36°14′39″N 129°23′31″E

joining 36°16′16″N 129°24′20″E
36°16′16″N 129°24′36″E
36°15′52″N 129°24′36″E
36°15′52″N 129°24′20″E

joining 36°18′11″N 129°23′27″E
36°17′46″N 129°23′27″E
36°17′46″N 129°23′41″E
36°17′32″N 129°23′41″E
36°17′32″N 129°23′09″E
36°18′11″N 129°23′09″E
(DMA; 36(398)94, 35(537)95 Inchon)

805195 2Ed. 8/20/94 LAST NM N30/96 N15/97
Add "Fish haven" area with blue tint bound by dotted line (limiting danger line)
joining 36°12′40″N 129°26′05″E
36°12′02″N 129°26′48″E
36°11′45″N 129°26′26″E
36°12′23″N 129°25′49″E

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805195 (Continued) 15/97
joining 36°11′19″N 129°24′53″E
36°11′11″N 129°24′53″E
36°11′11″N 129°26′00″E
36°10′59″N 129°26′00″E
36°10′59″N 129°24′53″E
36°10′51″N 129°24′53″E
36°10′51″N 129°24′23″E
36°11′19″N 129°24′23″E
(1(4)97 Inchon)

805195 2Ed. 8/20/94 LAST NM N15/97 N31/97
Add "Marine farm" area bound by dashed line joining 36°09′19″N 129°24′23″E
36°09′20″N 129°24′27″E
36°09′12″N 129°24′29″E
36°09′11″N 129°24′25″E
(GIMM020/97)

805195 2Ed. 8/20/94 LAST NM N31/97 N42/97
Add Dashed-line circle "Marine farm" 36°15′07″N 129°23′13″E
(GIMM020/97)

805195 2Ed. 8/20/94 LAST NM N42/97 N23/98
Add Rock which does not cover 36°11′29″N 129°22′42″E
(12(211)98 Inchon)

805195 2Ed. 8/20/94 LAST NM N23/98 N44/98
Change Period of light to 7s 36°10′53″N 129°23′33″E

Add "Fish trap" area bound by dashed line joining 36°11′10″N 129°24′02″E
36°11′12″N 129°24′05″E
36°11′09″N 129°24′08″E
36°11′07″N 129°24′05″E
(26(345)98 Inchon; ROK LL)

805195 2Ed. 8/20/94 LAST NM N44/98 N15/99
Add "Fish haven" area with blue tint bound by dotted line (limiting danger line) joining 36°11′15″N 129°25′59″E
36°11′41″N 129°26′30″E
36°10′43″N 129°27′57″E
36°10′26″N 129°27′35″E
36°10′34″N 129°27′23″E
36°10′25″N 129°27′11″E
(6(57)99 Inchon)

★ **805576** 1Ed. 8/30/08 NEW CHART N31/09
(NGA)

★**805647** 2Ed. 8/4/90 NEW EDITION N39/90
(DMAHTC)

805647 2Ed. 8/4/90 LAST NM N39/90 N21/91
Add Buoy "CO" Y, Fl Y 4s (Priv maintd) with legend "FAD" 21°33.1′N 158°26.9′W
(MCNM1012/90)

805647 2Ed. 8/4/90 LAST NM N21/91 N51/95
Delete Depth 243 meters, enclosing dotted-line circle and legend "Obstr Subm buoy" 21°20′17″N 158°11′18″W
(MCC060/95)

805647 2Ed. 8/4/90 LAST NM N51/95 N31/96
Change Range light,
front to QR 21°26′55″N 158°11′46″W
rear to Iso R 6s 21°26′57″N 158°11′46″W
(27/96 CG14)

805647 2Ed. 8/4/90 LAST NM N31/96 N4/98
Add Depth 2.7 meters 21°19′01″N 158°07′35″W
(NOS)

805647 2Ed. 8/4/90 LAST NM N4/98 N1/00
Change Characteristic of range light, rear to Iso G 6s 21°19′47″N 158°06′51″W
(44/99 CG14)

805647 2Ed. 8/4/90 LAST NM N1/00 N48/00
Delete R Bn at light 21°17′47″N 158°06′24″W
(39/00 CG14)

805647 2Ed. 8/4/90 LAST NM N48/00 N19/01
Add Dangerous wreck [K28] with legend "Rep (2000)" (PA) 21°25′11″N 158°11′41″W
Dangerous wreck [K28] with legend "Rep (2000)" (PA) 21°25′11″N 158°11′34″W
(NTM0006/2001)

805647 2Ed. 8/4/90 LAST NM N19/01 N37/02
Change Light to "6" QR 4M 21°19′19″N 158°07′16″W
(31/02 CG14)

805647 2Ed. 8/4/90 LAST NM N37/02 N51/02
Delete Buoy 21°22′13″N 158°08′36″W

Add Buoy "3" G, Fl G 4s 21°19′00″N 158°07′45″W

Buoy W Or, Fl Y 6s (Navy maintd) 21°22′04″N 158°08′55″W
(41, 44/02 CG14)

805647 2Ed. 8/4/90 LAST NM N51/02 N30/03
Delete Light "2" 21°26′37″N 158°11′28″W
(24/03 CG14)

★**805647** 2Ed. 8/4/90 LAST NM N30/03 N8/04
Relocate Buoy (FAD) "CO" from 21°33′06″N 158°26′54″W to 21°33′42″N 158°26′48″W
(51/03 CG14)

805647 2Ed. 8/4/90 LAST NM N8/04 N13/04
Add Buoy (mooring) [Q40] 21°16′26″N 158°06′02″W
Buoy (mooring) [Q40] 21°15′32″N 158°05′34″W

"SECURITY ZONE" bound by purple dashed line joining 21°16′39″N 158°05′30″W
21°16′26″N 158°06′02″W
21°15′32″N 158°05′34″W
21°15′34″N 158°05′30″W
Note: Area extends beyond chart border

Legend "Obstn" 21°16′14″N 158°04′46″W
(5/04 CG14)

805647 2Ed. 8/4/90 LAST NM N13/04 N22/06
Change Height of range light, front to 12m 21°19′45″N 158°06′54″W
(17/06 CG14)

805647 2Ed. 8/4/90 LAST NM N22/06 N11/07
Add Research platform (lighted) F [L13] (osmosis research barge) 21°20′00″N 158°12′00″W
(8/07 CG14)

805647 2Ed. 8/4/90 LAST NM N11/07 N12/07
Substitute Light "7" QG 8m 4M for beacon "7" 21°19′24″N 158°07′20″W
(7/07 CG14)

805647 2Ed. 8/4/90 LAST NM N12/07 N13/08
Delete Buoy 21°22′04″N 158°08′55″W
(10/08 CG14)

805647 2Ed. 8/4/90 LAST NM N13/08 N32/09
Add Buoy "Makaha" Y, pillar, Fl(2) 6s (Priv) 21°30′06″N 158°14′30″W
(27/09 CG14)

★**805980** 4Ed. 9/15/90 NEW EDITION N44/90
Change Light to Fl WR 6s 28m 6/4M 20°43′57″N 156°57′52″W
(DMAHTC; MCNM1000/90)

805980 4Ed. 9/15/90 LAST NM N44/90 N5/95
Change Visibility (range) of light to 10M 20°46′39″N 156°31′23″W
(1/95 CG14)

805980 4Ed. 9/15/90 LAST NM N5/95 N34/95
Add Buoy Y, pillar, QY 20°44′42″N 156°37′10″W
(28/95 CG14)

805980 4Ed. 9/15/90 LAST NM N34/95 N51/95
Add Racon to buoy 20°44′42″N 156°37′10″W
(Supersedes N34/95-805980)
(43/95 CG14)

805980 4Ed. 9/15/90 LAST NM N51/95 N5/96
Add Obscured sector 082°-221° to light
20°46′39″N 156°31′23″W
(49/95 CG14)

805980 4Ed. 9/15/90 LAST NM N5/96 N49/97
Add Submarine cable joining 20°41′36″N 156°26′38″W
20°41′22″N 156°27′23″W
20°38′24″N 156°27′54″W
20°36′00″N 156°27′54″W
20°32′33″N 156°26′22″W
20°28′57″N 156°23′00″W
(GIMM060/97)

805980 4Ed. 9/15/90 LAST NM N49/97 N17/99
Delete Buoy 20°44′42″N 156°37′10″W
(GIMM001/99)

★**805980** 4Ed. 9/15/90 LAST NM N17/99 N14/00
Delete Dashed-line area in vicinity 20°41′50″N 156°27′15″W

Add Obstruction "(Fish haven) (auth min 12.3m)"
[K46.2] bound by dotted line joining
20°41′37″N 156°27′08″W
20°41′37″N 156°27′02″W
20°42′07″N 156°27′20″W
20°42′07″N 156°27′26″W
(NOS)

805980 4Ed. 9/15/90 LAST NM N14/00 N23/04
Add Wreck [K29] 20°37′47″N 156°50′14″W
(4/04 CG14)

805980 4Ed. 9/15/90 LAST NM N23/04 N34/08
Add Buoy "SO" Y, pillar, Fl(5) Y 20s (Priv) with
legend "(FAD)" 20°31′24″N 156°52′18″W
(31/08 CG14)

805980 4Ed. 9/15/90 LAST NM N34/08 N24/09
Delete Buoy "I" 20°29′48″N 156°29′12″W
(20/09 CG14)

★ **806413** 1Ed. 8/30/08 NEW CHART N31/09
(NGA)

★ **806464** 1Ed. 8/30/08 NEW CHART N31/09
(NGA)

★ **806675** 1Ed. 8/30/08 NEW CHART N31/09
(NGA)

★**806927** 8Ed. 9/12/98 NEW EDITION N47/98
(NIMA)

806927 8Ed. 9/12/98 LAST NM N47/98 N25/03
Delete Light 18°05′46″N 65°25′26″W
(17/03 CG7)

806927 8Ed. 9/12/98 LAST NM N25/03 N30/03
Delete Buoy "10" 18°10′04″N 65°33′08″W
Buoy "2" 18°13′05″N 65°28′43″W
Buoy "1" 18°13′27″N 65°28′08″W
(22/03 CG7)

806927 8Ed. 9/12/98 LAST NM N30/03 N39/03
Add Light Q (Priv) 18°10′19.4″N 65°28′02.8″W
(31/03 CG7)

806927 8Ed. 9/12/98 LAST NM N39/03 N29/04
Relocate Buoy "3" from 18°10′54″N 65°28′11″W to
18°11′00″N 65°28′12″W
(23/04 CG7)

806927 8Ed. 9/12/98 LAST NM N29/04 N12/05
Delete Range lights (2) and range line between
18°13′31″N 65°35′33″W
18°12′13″N 65°36′13″W
(7/05 CG7)

★**807370** 5Ed. 7/18/98 NEW EDITION N41/98
(NIMA)

807370 5Ed. 7/18/98 LAST NM N41/98 N23/99
Add Dangerous wreck (Mast) marked by
buoy (mooring) 18°13′10″N 65°37′49″W
(NOS)

807370 5Ed. 7/18/98 LAST NM N23/99 N17/03
Add Buoy W Or, can (Navy Maintd) 18°12′57″N 65°37′02″W
Buoy W Or, can (Navy Maintd) 18°12′44″N 65°37′26″W
(NTM0002/2003)

807370 5Ed. 7/18/98 LAST NM N17/03 N25/03
Delete Light 18°05′46″N 65°25′26″W
(17/03 CG7)

807370 5Ed. 7/18/98 LAST NM N25/03 N30/03
Delete Buoy "2" 18°09′04″N 65°37′43″W
Buoy "6" 18°10′39″N 65°36′55″W
Buoy "10" 18°10′03″N 65°33′09″W
Buoy "2" 18°13′06″N 65°28′43″W
Buoy "1" 18°13′27″N 65°28′08″W

Change Designation of buoy "3" to "1" 18°09′44″N 65°37′33″W
Buoy "4" to "2" R, Fl R 2.5s 18°09′41″N 65°37′26″W
(21, 22/03 CG7)

807370 5Ed. 7/18/98 LAST NM N30/03 N31/03
Delete Light 18°06′31″N 65°22′34″W
(24/03 CG7)

807370 5Ed. 7/18/98 LAST NM N31/03 N39/03
Add Light Q (Priv) 18°10′19″N 65°28′03″W
(31/03 CG7)

807370 5Ed. 7/18/98 LAST NM N39/03 N14/04
Relocate Buoy "14" from 18°17′58″N 65°16′53″W to
18°18′01″N 65°16′51″W
(2/04 CG7)

807370 5Ed. 7/18/98 LAST NM N14/04 N29/04
Relocate Buoy "6" from 18°17′10″N 65°15′50″W to
18°17′08″N 65°15′47″W
(23/04 CG7)

807370 5Ed. 7/18/98 LAST NM N29/04 N12/05
Delete Light 18°18′07″N 65°18′37″W

Range lights (2) and range line between
18°13′32″N 65°35′38″W
18°09′40″N 65°37′28″W
(6, 7/05 CG7)

807370 5Ed. 7/18/98 LAST NM N12/05 N38/05
Add Fishing stakes [K44.1] between 18°16′40″N 65°20′00″W
18°16′24″N 65°19′43″W
(22/05 CG7)

★**807448** 2Ed. 1/12/91 NEW EDITION N17/91
(DMAHTC)

807448 2Ed. 1/12/91 LAST NM N17/91 N49/97
Add Submarine cable joining 20°32′10″N 156°26′00″W
20°32′33″N 156°26′22″W
20°36′00″N 156°27′54″W
20°38′24″N 156°27′54″W
20°40′00″N 156°27′36″W
(GIMM060/97)

807448 2Ed. 1/12/91 LAST NM N49/97 N24/09
Delete Buoy "I" 20°29′48″N 156°29′12″W
(20/09 CG14)

★**807861** 2Ed. 4/17/76 NEW EDITION N32/76
(DMAHC)

807861 2Ed. 4/17/76 LAST NM N32/76 N42/77
Relocate Buoy (41°32′46″N 9°23′52″E) to 41°32′48″N 9°24′00″E
and change to red over white, topmark
2 cones bases together, Fl R Ra Ref
(37(33)77 Brest)

807861 2Ed. 4/17/76 LAST NM N42/77 N43/77
Add Wreck 41°43′00″N 9°27′00″E
(38(20)77 Brest)

807861 2Ed. 4/17/76 LAST NM N43/77 N52/77
Add Position circle "TV TR" 41°44′17″N 9°23′15″E
(41(38)77 Brest)

807861 2Ed. 4/17/76 LAST NM N52/77 N5/78
Delete Buoys
"4" 41°25′48″N 9°14′57″E
"6" 41°25′20″N 9°14′06″E
(49(34)77 Brest)

807861 2Ed. 4/17/76 LAST NM N5/78 N20/78
Change Light to Gp Fl (3) 12sec 39ft 9M 41°36′53″N 9°22′15″E

Buoy to black, cone topmark point up,
Occ G 41°36′35″N 9°19′08″E
(11(31, 32)78 Brest)

807861 2Ed. 4/17/76 LAST NM N20/78 N24/78
Delete Buoy 41°30′33″N 9°23′07″E

Add Buoy, red with white band, double
cone topmark points downward,
Gp Occ (2) 6sec R Ref 41°30′29″N 9°23′34″E
(18(21, Sec. 2.4)78 Brest)

807861 2Ed. 4/17/76 LAST NM N24/78 N35/78
Add Note from back of Section I
under title block

Legend "SEE NOTE" 41°38′00″N 9°31′00″E
Position circle "Tower" 41°36′07″N 9°22′15″E

Purple dashed lines (channel limit)
between 41°36′53″N 9°22′15″E
41°39′13″N 9°32′30″E

between 41°36′07″N 9°22′15″E
41°37′17″N 9°22′15″E
(25(43)78 Brest)

807861 2Ed. 4/17/76 LAST NM N35/78 N13/79
Add Stranded wreck 41°37′04″N 9°22′15″E
(4(39)79 Brest)

807861 2Ed. 4/17/76 LAST NM N13/79 N17/79
Add Buoy, black and white bands, Fl 41°22′26″N 9°15′09″E
(10(27)79 Brest)

807861 2Ed. 4/17/76 LAST NM N17/79 N19/79
Delete Legend "Tower" 41°36′56″N 9°22′25″E
Note: Position circle remains

Relocate Light close S to 41°36′51″N 9°22′16″E

Add Depths
4 fathoms 1 foot in 41°37′49″N 9°22′19″E
8 fathoms 1 foot 41°36′36″N 9°22′11″E
1 fathom 4 feet 41°36′12″N 9°18′21″E
1 fathom 5 feet 41°36′12″N 9°18′04″E
1 fathom 4 feet 41°36′00″N 9°17′59″E
(12(34)79 Brest; Fr CH 4126)

807861 2Ed. 4/17/76 LAST NM N19/79 N24/79
Add Depth 11 fathoms 41°20′17″N 9°18′19″E

Buoy, black and white bands, Gp Fl
Ra Ref 41°22′24″N 9°17′52″E
(15(50), 16(41)79 Brest)

807861 2Ed. 4/17/76 LAST NM N24/79 N35/79
Substitute Depth 10 fathoms 4 feet for 11 fathoms
41°20′17″N 9°18′19″E
(See N24/79-807861)

Add Depths
10 fathoms 3 feet in 41°20′29″N 9°18′09″E
16 fathoms 2 feet 41°20′20″N 9°18′31″E
(27(33)79 Brest)

807861 2Ed. 4/17/76 LAST NM N35/79 N14/80
Add Note from back of Section I in
right center margin of chart
(NVS6053/80)

807861 2Ed. 4/17/76 LAST NM N14/80 N18/80
Add Legend "Destr" to tower 41°36′03″N 9°22′16″E
(8(40)80 Brest)

807861 2Ed. 4/17/76 LAST NM N18/80 N38/80
Substitute Starboard buoy: pillar, G, cone topmark,
Occ G 4s, for buoy 41°36′33″N 9°19′10″E
(26(52)80 Brest)

807861 2Ed. 4/17/76 LAST NM N38/80 N39/80
Change Light to Gp Fl G(3) 12sec 39ft 9M 41°36′51″N 9°22′16″E
(31(32)80 Brest)

807861 2Ed. 4/17/76 LAST NM N39/80 N46/80
Substitute W. Cardinal buoy: pillar, YBY,
double cone topmark points together,
V Qk Fl(9) 10s 41°22′26″N 9°15′09″E

Add Submarine cable joining 41°20′00″N 9°20′13″E
41°20′25″N 9°21′09″E
41°20′41″N 9°23′38″E
41°21′37″N 9°26′07″E
41°23′32″N 9°32′30″E
(40(55)80 Brest; Fr CH 3937)

807861 2Ed. 4/17/76 LAST NM N46/80 N21/81
Substitute W. Cardinal buoy: pillar, YBY,
double cone topmark points together,
Q(9) 15s, for buoy 41°22′24″N 9°17′52″E

Add Light Q(3) 10s 59ft 11M, Racon 41°21′58″N 9°18′57″E
(Fr LL)

807861 2Ed. 4/17/76 LAST NM N21/81 N30/81
Substitute Note from back of Section I for
note in right upper margin of chart
under title information
(22(26)81 Brest)

807861 2Ed. 4/17/76 LAST NM N30/81 N32/81
Delete Legend "Destr" from tower 41°36′03″N 9°22′16″E

Change Bn to isolated danger beacon: BRB 41°21′53″N 9°12′48″E
(25(31)81 Brest)

807861 2Ed. 4/17/76 LAST NM N32/81 N40/81
Delete Tower 41°36′03″N 9°22′16″E
Bn 41°21′53″N 9°12′48″E
(See N32/81-807861)
(30(31)81 Brest)

807861 2Ed. 4/17/76 LAST NM N40/81 N48/84
Delete Buoy 41°22′26″N 9°15′09″E
(35(41)84 Brest)

807861 2Ed. 4/17/76 LAST NM N48/84 N1/87
Change Characteristic of buoy to VQ(9) 10s 41°22′24″N 9°17′52″E
(45(21)86 Brest)

807861 2Ed. 4/17/76 LAST NM N1/87 N5/87
Change Light to Oc(2) WRG 6s 92ft
15 11M R Bn 41°20.1′N 9°15.6′E
(48(36)86 Brest)

807861 2Ed. 4/17/76 LAST NM N5/87 N10/87
Change Characteristic of buoy to Fl(4) G 41°36.6′N 9°19.2′E
(52(21)86 Brest)

807861 2Ed. 4/17/76 LAST NM N10/87 N30/88
Relocate Buoy close SSE to 41°32′42″N 9°24′03″E
and change to BYB, pillar,
double cone topmark bases together,
Q(3) 10s
(Fr CH 6929; 21(16)88 Brest)

807861 2Ed. 4/17/76 LAST NM N30/88 N40/97
Delete R Bn at light 41°35′45″N 9°21′58″E
41°20′10″N 9°15′36″E

Add Depth 46 fathoms 41°29′14″N 9°29′21″E
Stranded wreck 41°20′04″N 9°15′05″E
(Ital CH 912; 7(17)97 Brest; BA RA)

807861 2Ed. 4/17/76 LAST NM N40/97 N43/97
Delete Stranded wreck 41°20′04″N 9°15′05″E
(See N40/97-807861)
(26(19)97 Brest)

807861 2Ed. 4/17/76 LAST NM N43/97 N1/00
Delete Racon at light 41°21′58″N 9°18′57″E
(28(15)99 Brest)

807861 2Ed. 4/17/76 LAST NM N1/00 N16/01
Add Wreck [K29] 41°42′02″N 9°30′35″E
Depth 208 fathoms Wk [K30] 41°43′08″N 9°29′25″E
(50(29)00 Brest)

807861 2Ed. 4/17/76 LAST NM N16/01 N27/02
Change Light to Oc(2) WR 6s 89ft 17/14M 41°20′04″N 9°15′32″E
(45(26)99 Brest; Fr LL)

807861 2Ed. 4/17/76 LAST NM N27/02 N22/03
Add Dangerous wreck [K28] 41°28′16″N 9°17′23″E
(34(22)00 Brest)

★**808236** 4Ed. 6/6/92 NEW EDITION N32/92
(DMAHTC)

★**808365** 2Ed. 11/18/75 NEW EDITION N4/76
(DMAHC)

808365 2Ed. 11/18/75 LAST NM N4/76 N45/78
Add Dashed line (breakwater) with legend
"Under construction" joining 36°58′08″N 1°53′57″W
36°58′06″N 1°53′41″W
36°57′58″N 1°53′39″W

Buoy (wavemeter) 36°58′24″N 1°53′36″W
(NVS3831/78; 13(417)78 Cadiz)

808365 2Ed. 11/18/75 LAST NM N45/78 N9/79
Add Note from back of Section I in
upper right margin of chart
(NVS3896/79)

808365 2Ed. 11/18/75 LAST NM N9/79 N12/80
Substitute Solid line (breakwater) for dashed line
joining 36°58′08″N 1°53′57″W
36°58′06″N 1°53′41″W
36°57′58″N 1°53′39″W
(45(1402)79 Cadiz)

808365 2Ed. 11/18/75 LAST NM N12/80 N37/84
Delete Solid line (breakwater) in vicinity 36°58.1′N 1°53.7′W

Change Buoy to special buoy: Y, spherical,
Fl(5) Y 20s 36°58′24″N 1°53′36″W

Light to Mo(NS) 30s 222m 31M 36°56′34″N 1°54′16″W

Add Double solid lines with land tint
(breakwater)
joining 36°58′50″N 1°54′00″W
36°58′49″N 1°53′43″W
36°58′36″N 1°53′32″W
36°58′30″N 1°53′32″W

joining 36°58′09″N 1°53′57″W
36°58′08″N 1°53′41″W
36°57′53″N 1°53′36″W

Lights
Fl G 10s 6M 36°58′30″N 1°53′32″W
Fl(3) 16s 3M 36°58′08″N 1°53′41″W
Fl(2) G 10s 6M 36°57′53″N 1°53′36″W

Legend "P. de Carbonera" 36°58′15″N 1°53′08″W
(48(1961)83, 17(669)84 Cadiz; BA LL)

808365 2Ed. 11/18/75 LAST NM N37/84 N34/86
Change Light to Fl(4) + L Fl 30s 222m 18M 36°56.5′N 1°54.3′W
(Spn LL)

808365 2Ed. 11/18/75 LAST NM N34/86 N15/87
Change Light to Fl(4) 20s 222m 23M 36°56.5′N 1°54.3′W
(Supersedes N34/86-808365)
(Spn LL)

808365 2Ed. 11/18/75 LAST NM N15/87 N40/97
Add Light
Fl(3) 14s 280m 14M 36°50′36″N 1°59′53″W
Fl R 4s 4M, Fl G 6s 6M 36°59′23″N 1°53′54″W
(16(622)91 Cadiz; Spn CH 4621)

808365 2Ed. 11/18/75 LAST NM N40/97 N9/00
Change Light to Fl(3) G 12s 10m 5M 36°59′24″N 1°53′48″W
Light to Fl(3) R 12s 3M 36°59′24″N 1°53′54″W
Light to Q(3) 10s 14m 3M 36°58′05″N 1°53′40″W
(43(678), 45(722)98 Cadiz)

808365 2Ed. 11/18/75 LAST NM N9/00 N19/00
Change Visibility (range) of light to 5M 36°58′30″N 1°53′33″W
(5(48)99 Cadiz)

808365 2Ed. 11/18/75 LAST NM N19/00 N14/03
Add Submarine pipeline (sewer) [L41.1] between
36°59′50″N 1°53′19″W
36°59′35″N 1°52′47″W
(46(798)02 Cadiz)

★**808528** 1Ed. 7/21/90 NEW CHART N36/90
(DMAHTC)

808528 1Ed. 7/21/90 LAST NM N36/90 N4/93
Add "Safety Zone" area bound by shore
and green dashed line joining 22°01.2′N 159°47.3′W
22°01.2′N 159°50.7′W
22°06.3′N 159°50.7′W
22°06.3′N 159°44.8′W
(FED REG 11/19/92)

808528 1Ed. 7/21/90 LAST NM N4/93 N52/95
Delete Buoy "2" 21°53′45″N 159°35′28″W
(44/95 CG14)

808528 1Ed. 7/21/90 LAST NM N52/95 N14/96
Change Light to QR 10m 5M 21°53′49″N 159°35′27″W
(USCG LL)

808528 1Ed. 7/21/90 LAST NM N14/96 N32/97
Add Buoy (mooring) GONG (Navy maintd)
22°00′28″N 159°47′37″W
(28/97 CG14)

808528 1Ed. 7/21/90 LAST NM N32/97 N25/02
Relocate Buoy (FAD) "AA" from
21°50′00″N 159°36′48″W to 21°49′18″N 159°36′36″W

Buoy "1" from 21°53′40″N 159°35′35″W to
21°53′46″N 159°35′37″W
(18/02 CG14; NTM0026/2002)

808528 1Ed. 7/21/90 LAST NM N25/02 N12/05
Substitute Position circle "RADOME" [E30.4] Iso 4s Lt
(Navy maintd) 467m for light 22°08′04″N 159°43′41″W
(45/04 CG14)

808528 1Ed. 7/21/90 LAST NM N12/05 N32/05
Add Depth 478 meters 21°53′36″N 159°55′42″W
(MCNM8066/88)

808528 1Ed. 7/21/90 LAST NM N32/05 N29/08
Add Buoy "1", pillar, STROBE 22°07′35″N 159°48′32″W
Buoy "2", pillar, STROBE 22°08′07″N 159°48′28″W
Buoy "3", pillar, STROBE 22°08′20″N 159°48′13″W
Buoy "4", pillar, STROBE 22°08′36″N 159°48′10″W
Buoy "5", pillar, STROBE 22°08′51″N 159°48′04″W
Buoy "6", pillar, STROBE 22°09′05″N 159°47′54″W
Buoy "7", pillar, STROBE 22°10′43″N 159°46′23″W
(24/08 CG14)

808528 1Ed. 7/21/90 LAST NM N29/08 N30/08
Delete Buoy "1" 22°07′35″N 159°48′32″W
Buoy "2" 22°08′07″N 159°48′28″W
Buoy "3" 22°08′20″N 159°48′13″W
Buoy "4" 22°08′36″N 159°48′10″W
Buoy "5" 22°08′51″N 159°48′04″W
Buoy "6" 22°09′05″N 159°47′54″W
Buoy "7" 22°10′43″N 159°46′23″W
(27/08 CG14)

★808568 1Ed. 8/27/77 NEW CHART N48/77
(DMAHC)

808568 1Ed. 8/27/77 LAST NM N48/77 N9/78
Change Visibility (range) of light (Gp Fl) to
34M 40°39′25″N 17°58′08″E
(1(10)78 Genova)

808568 1Ed. 8/27/77 LAST NM N9/78 N6/79
Add Wreck (PA) 40°41.0′N 17°58.3′E
(50(2)78 Genova)

808568 1Ed. 8/27/77 LAST NM N6/79 N7/82
Change Buoy to black yellow black bands, nun,
Fl 3sec 40°39.8′N 18°02.4′E
(25(20)81 Genova)

808568 1Ed. 8/27/77 LAST NM N7/82 N22/82
Change Buoy to BRB, Fl R 5s 40°39′05″N 17°58′39″E

Add Note in right upper margin of chart
"CHANGES IN BUOYAGE
Certain buoys, lights and beacons within the area of this chart will be affected by the implementation of the conversion to IALA Maritime Buoyage System in Region A. For further explanation, see annual NM 1(6) and Chart No. 1."

"Work in progress" area bound by
shore and dashed line joining 40°38′45″N 17°58′05″E
40°38′58″N 17°58′00″E
40°38′59″N 17°57′55″E
40°38′48″N 17°57′54″E
(1(26), 3(2)82 Genova; NVS6577/82)

808568 1Ed. 8/27/77 LAST NM N22/82 N36/82
Change Visibility (range) of light to 17M 40°39′25″N 17°58′08″E
(11(23)82 Genova)

808568 1Ed. 8/27/77 LAST NM N36/82 N28/83
Delete Light 40°39′25″N 17°58′09″E

Change Light to Fl(2) WG 6s 13m 12/10M 40°39′44″N 17°58′15″E
(3(9)83 Genova)

808568 1Ed. 8/27/77 LAST NM N28/83 N15/84
Change Buoy to isolated danger buoy: BRB,
double ball topmark, Fl(2) 5s 40°39.1′N 17°58.6′E

Add Legend "(Correct through NM 35/77)"
in lower left margin of chart
(22(41)83 Genova; DMAHTC)

808568 1Ed. 8/27/77 LAST NM N15/84 N17/85
Change Light to Fl(2) G 6s 13m 7M 40°39′44″N 17°58′15″E
(22(6)84 Genova)

808568 1Ed. 8/27/77 LAST NM N17/85 N25/85
Add Light FR, Fl(4) 20s 96m 17M
at monument 40°38′46″N 17°56′51″E
(19(15), 25(6)84 Genova)

808568 1Ed. 8/27/77 LAST NM N25/85 N34/85
Add Legend "Work in progress (1985)" 40°39′47″N 17°58′40″E
(13(3)85 Genova)

808568 1Ed. 8/27/77 LAST NM N34/85 N17/86
Delete Light 40°39′44″N 17°58′15″E
(4(21)86 Genova)

808568 1Ed. 8/27/77 LAST NM N17/86 N25/86
Substitute Light (articulated) Q(3) 10s 5M
for buoy 40°39.8′N 18°02.4′E
(7(8, 36)86 Genova)

808568 1Ed. 8/27/77 LAST NM N25/86 N28/86
Add Buoys
BY, pillar, double cone topmark
points upward, Q 40°39′57″N 17°58′54″E
G, conical, cone topmark,
Fl(2) G 10s 40°39′51″N 17°59′21″E
(8(5)86 Genova)

808568 1Ed. 8/27/77 LAST NM N28/86 N16/87
Relocate Buoy close E to 40°39′51″N 17°59′52″E
(See N28/86-808568)

Change Legend to "Work in progress (1987)"
40°39′47″N 17°58′40″E

Add Buoy BY, pillar,
double cone topmark points upward, Q
40°39′58″N 17°59′24″E
(4(6(87 Genova)

808568 1Ed. 8/27/77 LAST NM N16/87 N30/88
Substitute Beacon BRB, double ball topmark,
Fl(2) 6s 5M Ra Ref for buoy 40°39.1′N 17°58.6′E
(10(4)88 Genova)

808568 1Ed. 8/27/77 LAST NM N30/88 N40/97
Delete R Bn (AERO) 40°36′18″N 18°00′45″E
(BA RA)

808568 1Ed. 8/27/77 LAST NM N40/97 N11/98
Add Light (AERO) Al Fl WG 17s 18m 24/18M
40°39′04″N 17°56′36″E
(Ital LL)

808568 1Ed. 8/27/77 LAST NM N11/98 N10/07
Delete Submarine cable between 40°39′55″N 17°57′18″E
40°49′00″N 18°21′00″E
(6(6)07 Genova)

808568 1Ed. 8/27/77 LAST NM N10/07 N16/07
Substitute Depth 10.4 meters for 11.9 meters 40°40′08″N 17°59′50″E
(7(13)06 Genova)

808568 1Ed. 8/27/77 LAST NM N16/07 N45/07
Add "Restricted Area" [N2.1] bound by purple
composite line joining 40°38′36″N 18°02′48″E
40°38′36″N 18°04′36″E
40°36′36″N 18°06′12″E
40°36′36″N 18°04′30″E
(14(7)07 Genova)

★808916 4Ed. 10/25/08 NEW EDITION N6/09
(NGA)

★809055 7Ed. 10/22/83 NEW EDITION N11/84
Change Characteristic of buoy "2" to
Fl R 2½s 33°12.1′N 117°24.5′W
(Previously published 46/83)

Color of buoys to
white and orange bands 33°12′32″N 117°24′45″W
33°12′46″N 117°24′52″W
33°21′44″N 117°33′50″W
33°21′50″N 117°33′47″W
33°20′18″N 117°37′01″W
33°22′29″N 117°36′03″W
33°23′00″N 117°36′22″W
33°23′30″N 117°36′38″W
33°25′42″N 117°37′46″W
33°26′05″N 117°41′35″W
33°26′08″N 117°41′55″W

Color of buoys to orange 33°12′36″N 117°24′46″W
33°12′44″N 117°24′48″W

Add Light "4" Fl R 4s 9M HORN 33°12′20″N 117°23′57″W
WHIS to buoy"2" 33°27′17″N 117°43′15″W
Legend "(Priv maintd)" to buoy "2C"
33°08′02″N 117°21′20″W
Light symbol 33°23′18″N 117°35′42″W

Double solid line (breakwater) between
33°12′20″N 117°23′57″W
33°12′25″N 117°23′55″W
(DMAHTC; 48/83 CG11; NVS7186/84; USCG LL)

809055 7Ed. 10/22/83 LAST NM N11/84 N23/84
Delete HORN from light 33°12′24″N 117°23′54″W
(3/84 CG11)

809055 7Ed. 10/22/83 LAST NM N23/84 N11/85
Change Visibility (range) of light to 9M 33°27′16″N 117°41′26″W
(7/85 CG11)

809055 7Ed. 10/22/83 LAST NM N11/85 N16/85
Change Characteristic of buoy
"SO" to Fl R 4s
and designation to "2SO" 33°20′55″N 117°34′13″W
(14/85 CG11)

809055 7Ed. 10/22/83 LAST NM N16/85 N28/85
Add Period of buoy "2C" to 4s 33°07.9′N 117°21.4′W
(25/85 CG11)

809055 7Ed. 10/22/83 LAST NM N28/85 N6/86
Change Color of buoy to yellow 33°20.3′N 117°37.1′W
(3/86 CG11)

809055 7Ed. 10/22/83 LAST NM N6/86 N37/88
Change Characteristic of light "4" to Fl R 5s
and visibility (range) to 14M 33°12′20″N 117°23′57″W
(USCG LL)

809055 7Ed. 10/22/83 LAST NM N37/88 N42/89
Delete Buoy "2SO" 33°20′54″N 117°34′13″W

Change Latitude designation 30°20′ to
33°20′ in right center margin
of chart
(MCNM1085/89; 38/89 CG11)

809055 7Ed. 10/22/83 LAST NM N42/89 N15/94
Delete Buoy 33°21′43″N 117°33′48″W
33°21′50″N 117°33′47″W
33°26′08″N 117°41′05″W
33°26′50″N 117°41′36″W
33°23′30″N 117°36′38″W
33°23′00″N 117°36′22″W
33°22′28″N 117°36′05″W

Legend
"Qk Fl HORN" 33°21′30″N 117°34′00″W
"Platform (lighted)" 33°21′37″N 117°34′30″W

Platform, solid line and
legend "Trestle" between 33°21′34″N 117°33′43″W
33°22′02″N 117°33′20″W

Change Light to Fl 10s 18m 16M 33°23′18″N 117°35′42″W

Period of light to 6s 33°18′38″N 117°28′54″W

Buoy "2C" to "C" Y, Fl 4s BELL
(Priv maintd) 33°08′03″N 117°21′19″W

Add Buoys, each orange and white bands
(Priv maintd)
"A" 33°26′29″N 117°42′33″W
"B" 33°24′48″N 117°41′25″W
"C" 33°26′36″N 117°40′20″W
"D" 33°24′47″N 117°38′59″W

Buoy (4) with legend "(Priv maintd)"
33°21′37″N 117°33′50″W
(US CH 18774; USCG LL)

809055 7Ed. 10/22/83 LAST NM N15/94 N33/94
Relocate Light close S to 33°12′20″N 117°24′07″W
(21/94 CG11)

809055 7Ed. 10/22/83 LAST NM N33/94 N5/95
Change Buoy "2" to "OC" RW, pillar, Mo(A)
WHIS 33°12′06″N 117°24′28″W
(48/94 CG11)

809055 7Ed. 10/22/83 LAST NM N5/95 N19/95
Change Light "4" to Fl R 6s 26ft 7M HORN
33°12′20″N 117°23′57″W
(14/95 CG11)

809055 7Ed. 10/22/83 LAST NM N19/95 N23/95
Delete R Bn at light 33°12′24″N 117°23′55″W
(16/95 CG11)

809055 7Ed. 10/22/83 LAST NM N23/95 N44/95
Delete R Bn at light 33°27′15″N 117°41′29″W
(37/95 CG11)

809055 7Ed. 10/22/83 LAST NM N44/95 N18/96
Change Light to Fl 4s 19m 10M (PA) 33°23′18″N 117°35′45″W
(14/96 CG11)

809055 7Ed. 10/22/83 LAST NM N18/96 N20/97
Add Danger circle "Obstn (Fish haven)
(auth min depth 13.1m)" 33°19′28″N 117°31′38″W
(NOS)

809055 7Ed. 10/22/83 LAST NM N20/97 N48/98
Change Light to
"1" Fl G 2.5s 5M 33°12′20″N 117°24′07″W
"2" Fl R 2.5s 7M HORN 33°12′20″N 117°23′57″W
(USCG LL)

809055 7Ed. 10/22/83 LAST NM N48/98 N18/00
Add Obstruction "(Fish haven) (auth min 11.9m)"
[K46.2] bound by dotted line joining
33°25′02″N 117°37′42″W
33°24′47″N 117°38′12″W
33°22′57″N 117°36′42″W
33°23′15″N 117°36′17″W
and delete depths and depth contours within
above area
(NOS)

809055 7Ed. 10/22/83 LAST NM N18/00 N24/01
Change Legend to "Obstn (Fish haven) (auth min 11m)" at fish haven 33°24.0′N 117°37.3′W
(NOS)

809055 7Ed. 10/22/83 LAST NM N24/01 N33/01
Change Buoy "4" to "2" R, Fl R 2½s 33°27′13″N 117°41′15″W
(26/01 CG11)

809055 7Ed. 10/22/83 LAST NM N33/01 N16/03
Add Buoy Fl Y 4s (PA) with legend "Wave buoy" 33°13′18″N 117°26′00″W
(9/03 CG11)

809055 7Ed. 10/22/83 LAST NM N16/03 N25/04
Add Buoy "96" Y, spherical, Fl(5) Y 20s (Priv) 33°27′30″N 117°45′57″W
(10/04 CG11)

809055 7Ed. 10/22/83 LAST NM N25/04 N26/04
Add Buoy "45" Y, spherical, Fl(5) Y 20s (Priv) 33°10′46″N 117°28′17″W
(10/04 CG11)

809055 7Ed. 10/22/83 LAST NM N26/04 N31/04
Add Position circle "RADOME" 33°14′55″N 117°25′20″W
(NOS)

809055 7Ed. 10/22/83 LAST NM N31/04 N3/06
Add Buoy Y, pillar, Fl(4) Y 20s (Priv) 33°12′18″N 117°26′32″W
(46/05 CG11)

809055 7Ed. 10/22/83 LAST NM N3/06 N35/06
Relocate Buoy from 33°12′18″N 117°26′32″W to 33°12′00″N 117°26′24″W
(See N3/06-809055)
(26/06 CG11)

809055 7Ed. 10/22/83 LAST NM N35/06 N47/06
Add Depth 1.8 meters 33°12′26″N 117°23′54″W
(NOS)

809055 7Ed. 10/22/83 LAST NM N47/06 N9/07
Change Characteristic of buoy to Fl(5) 20s 33°12′00″N 117°26′24″W
Light to "3" Fl G 4s 9m 6M HORN 33°27′17″N 117°41′28″W
(See N35/06-809055)
(49, 51/06 CG11)

809055 7Ed. 10/22/83 LAST NM N9/07 N41/08
Add Buoy Y, pillar, Fl(5) Y 20s (Priv) 33°13′12″N 117°26′23″W
(34/08 CG11)

★**809310** 9Ed. 6/13/98 NEW EDITION N41/98
(NIMA)

809310 9Ed. 6/13/98 LAST NM N41/98 N7/00
Change Period of buoy "D" to 6s 34°25′32″N 77°05′38″W
(46/99 CG5)

809310 9Ed. 6/13/98 LAST NM N7/00 N13/02
Relocate Buoy "E" from 34°22′45″N 77°11′00″W to 34°22′34″N 77°11′00″W
(8/02 CG5)

809310 9Ed. 6/13/98 LAST NM N13/02 N18/02
Relocate Buoy "A" from 34°36′19″N 77°05′47″W to 34°36′19″N 77°05′34″W
(13/02 CG5)

809310 9Ed. 6/13/98 LAST NM N18/02 N39/02
Relocate Buoy "NR" from 34°31′04″N 77°19′19″W to 34°31′08″N 77°19′21″W
(33/02 CG5)

809310 9Ed. 6/13/98 LAST NM N39/02 N49/04
Relocate Buoy "NR" from 34°31′09″N 77°19′21″W to 34°31′02″N 77°19′33″W
(41/04 CG5)

809310 9Ed. 6/13/98 LAST NM N49/04 N16/08
Add Superbuoy ODAS [Q58] "41035" Y, Fl(4) Y 20s 34°28′34″N 77°16′47″W
(44/05 CG5)

809310 9Ed. 6/13/98 LAST NM N16/08 N12/09
Delete Tower symbol and legend "Radio Tower" 34°32′47″N 77°18′22″W
(NTM0014/2009)

809310 9Ed. 6/13/98 LAST NM N12/09 N21/09
Add Danger circle "Obstn" [K40] (PA) 34°32′00″N 77°15′00″W
(NTM0014/2009)

★ **809381** 1Ed. 8/30/08 NEW CHART N31/09
(NGA)

★**809559** 2Ed. 10/17/87 NEW EDITION N5/88
(DMAHTC)

★**809679** 2Ed. 2/22/86 NEW EDITION N19/86
Delete Light "1" 32°45′30″N 117°15′33″W

Change Characteristic
of light "B" to Fl 4s 32°41′11″N 117°13′55″W
buoy "6" to Fl R 4s 32°39′10″N 117°13′25″W
(DMAHTC; 15/86 CG11; USCG LL)

809679 2Ed. 2/22/86 LAST NM N19/86 N21/86
Relocate Buoy "10" close E to 32°40′25.5″N 117°13′36.2″W
(18/86 CG11)

809679 2Ed. 2/22/86 LAST NM N21/86 N22/86
Add Buoy "1", G, Fl G 4s BELL 32°45′28″N 117°15′45″W
(19/86 CG11)

809679 2Ed. 2/22/86 LAST NM N22/86 N18/87
Add R Bn 317 kHz – – – • • • 32°45′31″N 117°15′22″W
(11, 12/87 CG11)

809679 2Ed. 2/22/86 LAST NM N18/87 N28/88
Delete Light (Navy maintd) 32°46′20″N 117°16′03″W

Add Obstruction (covered 9.1 meters) 32°46′21″N 117°16′04″W
(22/88 CG11)

809679 2Ed. 2/22/86 LAST NM N28/88 N32/88
Add Stranded wreck marked by buoy, white and orange bands, Q 32°41′11.5″N 117°13′35.2″W
(26/88 CG11)

809679 2Ed. 2/22/86 LAST NM N32/88 N41/88
Relocate Buoy (32°44.8′N 117°22.2′W) to 32°44.0′N 117°20.7′W
(36/88 CG11)

809679 2Ed. 2/22/86 LAST NM N41/88 N42/88
Change Color of buoy "5" to green 32°39′08″N 117°13′40″W
(38/88 CG11)

809679 2Ed. 2/22/86 LAST NM N42/88 N44/88
Change Color of buoy "3" to green 32°38′13″N 117°14′10″W
(37/88 CG11)

809679 2Ed. 2/22/86 LAST NM N44/88 N1/89
Delete Wreck and buoy 32°41′12″N 117°13′35″W
(Supersedes N32/88-809679)
(50/88 CG11)

809679 2Ed. 2/22/86 LAST NM N1/89 N51/89
Add Buoy (mooring) "TG-1" 32°38′58″N 117°10′44″W
(47/89 CG11)

809679 2Ed. 2/22/86 LAST NM N51/89 N14/90
Add Danger circles
"Subm buoy (covered 4fms)" 32°41′10.4″N 117°16′10.3″W
32°41′09.2″N 117°16′49.9″W
32°40′44.0″N 117°17′33.7″W
32°40′36.2″N 117°18′33.7″W
32°40′18.2″N 117°19′29.5″W
32°41′54.8″N 117°17′04.3″W
32°41′27.8″N 117°18′43.9″W
(7/90 CG11)

809679 2Ed. 2/22/86 LAST NM N14/90 N16/91
Add Buoys, each R
"8A" 32°39′56″N 117°13′26″W
"10A" 32°40′26″N 117°13′32″W
"12A" 32°40′57″N 117°13′38″W
(12/91 CG11)

809679 2Ed. 2/22/86 LAST NM N16/91 N36/91
Delete Buoy (mooring) "CG1" 32°40.4′N 117°14.0′W

Add Buoy (waverider) Y, Fl(5) Y 20s
(Priv maintd) 32°44′52″N 117°22′09″W

Dashed-line circle with legend
"Subm buoy (37m rep)" (PA) 32°38′30″N 117°21′24″W
(32/91 CG11)

809679 2Ed. 2/22/86 LAST NM N36/91 N7/92
Delete Danger circles
"Subm buoy (covered 4fms)" 32°41′10″N 117°16′10″W
32°41′09″N 117°16′50″W
32°40′44″N 117°17′34″W
32°40′36″N 117°18′34″W
32°40′18″N 117°19′30″W
32°41′55″N 117°17′04″W
32°41′28″N 117°18′44″W
(3/92 CG11)

809679 2Ed. 2/22/86 LAST NM N7/92 N8/93
Delete Buoys
"8A" 32°39′56″N 117°13′26″W
"10A" 32°40′26″N 117°13′32″W
"12A" 32°40′57″N 117°13′38″W
(undesignated) 32°41′12″N 117°13′41″W
(undesignated) 32°39′30″N 117°11′45″W

Legend "Fl 2.5s" 32°37′20″N 117°14′42″W

Change Characteristic of lights, each to Fl 4s
"V" 32°40′55″N 117°13′22″W
"W" 32°40′42″N 117°13′22″W
"X" 32°40′30″N 117°13′21″W
"Y" 32°40′16″N 117°13′21″W

Characteristic of light "Z" to Fl 2 1/2s
32°40′01″N 117°13′21″W

Add Danger circle "Subm buoy (cov 9.1m)"
32°45′26.2″N 117°17′12.2″W
32°45′49.8″N 117°16′06.9″W
32°45′49.8″N 117°15′36.9″W

Danger circle "Obstn Rep (1992)" (PA)
32°37′06.0″N 117°11′03.0″W
Buoy "A" Y, Fl Y 4s (Priv maintd)
32°46′24.0″N 117°21′21.0″W

Buoys, orange and white (Priv maintd)
32°40′41.2″N 117°15′19.1″W
32°40′41.2″N 117°15′34.5″W

Legend "(see note)" 32°40′36.0″N 117°15′26.0″W

Note in upper right margin of chart
"NOTE
The Point Loma Outfall Pipeline Buoys
mark dangerous shoaling along the
pipeline which may present a danger to
vessels transiting the area."
(MCC1223/93)

809679 2Ed. 2/22/86 LAST NM N8/93 N13/93
Add Light F 18ft (Navy maintd) (PA)
32°40′18.0″N 117°14′04.7″W
(8/93 CG11)

809679 2Ed. 2/22/86 LAST NM N13/93 N17/93
Add Danger circle "Obstr (cov 3fms)"
32°39′31.1″N 117°13′42.7″W

Submarine cable between 32°39′31.1″N 117°13′42.7″W
32°41′10.8″N 117°13′58.0″W
(13/93 CG11)

809679 2Ed. 2/22/86 LAST NM N17/93 N44/93
Change Light to Fl 5s 18ft 20M (Navy maintd)
32°40′18.0″N 117°14′04.7″W
(See N13/93-809679)
(36/93 CG11)

809679 2Ed. 2/22/86 LAST NM N44/93 N50/93
Delete R Bn 32°45′31″N 117°15′22″W
(46/93 CG11)

809679 2Ed. 2/22/86 LAST NM N50/93 N23/94
Add Purple dashed line (sewer)
joining 32°40′19″N 117°16′59″W
32°39′55″N 117°19′22″W
32°40′19″N 117°19′30″W

between 32°39′55″N 117°19′22″W
32°39′31″N 117°19′27″W
(16, 17/94 CG11)

809679 2Ed. 2/22/86 LAST NM N23/94 N40/94
Add Buoys, each R, nun
"8A" 32°39′56.0″N 117°13′25.5″W
"10A" 32°40′26.1″N 117°13′31.4″W
"12A" 32°40′56.8″N 117°13′37.8″W
(32/94 CG11)

809679 2Ed. 2/22/86 LAST NM N40/94 N11/95
Delete Buoy
"8A" 32°39′56″N 117°13′26″W
"10A" 32°40′26″N 117°13′31″W
"12A" 32°40′57″N 117°13′38″W
(Supersedes 40/94-809679)
(4/95 CG11)

809679 2Ed. 2/22/86 LAST NM N11/95 N26/95
Delete R Bn 32°39′58″N 117°14′34″W
(20/95 CG11)

809679 2Ed. 2/22/86 LAST NM N26/95 N38/95
Delete Visibility (range) from light 32°40′18″N 117°14′05″W
(32/95 CG11)

809679 2Ed. 2/22/86 LAST NM N38/95 N6/96
Delete Dashed-line circle and legend
"Subm buoy (37m rep)" (PA) 32°38′30″N 117°21′24″W
(SMEA012/96)

809679 2Ed. 2/22/86 LAST NM N6/96 N11/96
Delete Buoy "1" 32°45′28″N 117°15′45″W

Add Light "1" Fl G 6s 22ft 7M HORN
32°45′28″N 117°15′52″W
(7/96 CG11; USCG LL)

809679 2Ed. 2/22/86 LAST NM N11/96 N49/96
Add Racon to buoy "SD" 32°37′20″N 117°14′42″W
(44/96 CG11)

809679 2Ed. 2/22/86 LAST NM N49/96 N33/97
Delete Light 32°40′18″N 117°14′05″W
(29/97 CG11)

809679 2Ed. 2/22/86 LAST NM N33/97 N5/99
Delete BELL from buoy "5" 32°39′08″N 117°13′35″W

Add Buoy "4" R, QR BELL 32°38′02″N 117°13′16″W
(50/98 CG11)

809679 2Ed. 2/22/86 LAST NM N5/99 N25/02
Delete Light "2" 32°45′22″N 117°15′28″W

Relocate Light "1" from 32°45′28″N 117°15′52″W to
32°45′30″N 117°15′36″W

Add Buoy "2" R, Fl R 2.5s 32°45′21″N 117°15′45″W
(20/02 CG11)

809679 2Ed. 2/22/86 LAST NM N25/02 N50/02
Delete Depth 28 meters Wk 32°37′37″N 117°15′03″W

Danger circle and legend "Wreckage"
32°37′33″N 117°14′14″W

Dangerous wreck 32°39′07″N 117°12′00″W
Danger circle "Obstn" 32°39′31″N 117°13′43″W

Submarine cable between 32°39′31″N 117°13′43″W
32°41′11″N 117°13′58″W

Dangerous wreck (PA) 32°40′00″N 117°13′56″W
Rock which covers and uncovers 32°41′12″N 117°13′38″W

Platform 32°41′13″N 117°13′39″W
Note: Platform close northeast remains

Rock awash and legend "Rep...PA"
32°41′16″N 117°13′38″W
(NOS)

809679 2Ed. 2/22/86 LAST NM N50/02 N12/03
Add "DANGER AREA FIRING RANGE" bound
by shore and purple dashed line joining
32°36′36.4″N 117°08′03.1″W
32°36′31.6″N 117°10′21.2″W
32°35′32.6″N 117°10′18.6″W
32°35′37.7″N 117°07′54.4″W
(NOS)

809679 2Ed. 2/22/86 LAST NM N12/03 N27/03
Delete Purple dashed-line area and legend "DANGER
AREA FIRING RANGE" in vicinity
32°36′04″N 117°09′10″W
(Supersedes N12/03-809679)
(NOS)

809679 2Ed. 2/22/86 LAST NM N27/03 N36/04
Delete Buoy (Navy maintd) 32°35′15″N 117°08′12″W
Note: Danger circle "Subm Obstr" remains
(29/04 CG11)

809679 2Ed. 2/22/86 LAST NM N36/04 N17/05
Add Dangerous wreck [K28] 32°41′02.7″N 117°13′32.9″W
(11/05 CG11)

809679 2Ed. 2/22/86 LAST NM N17/05 N26/05
Delete Buoy (undesignated) 32°44′00″N 117°20′42″W
Buoy (undesignated) 32°44′52″N 117°22′09″W
Buoy "A" 32°46′24″N 117°21′21″W
(US CH 18765)

809679 2Ed. 2/22/86 LAST NM N26/05 N9/06
Add Legend "See Chart 18773" 32°41′51″N 117°13′49″W
(NTM0010/2006)

809679 2Ed. 2/22/86 LAST NM N9/06 N11/06
Add Buoy "93" Y, spherical, Fl(5) Y 20s (Priv)
32°44′47.8″N 117°22′08.9″W
(3/06 CG11)

809679 2Ed. 2/22/86 LAST NM N11/06 N4/07
Add Danger circle [K41] "Subm buoy (cov 6m)"
32°39′09.6″N 117°19′33.4″W
Danger circle [K41] "Subm buoy (cov 6m)"
32°40′02.0″N 117°19′29.9″W
Danger circle [K41] "Subm buoy (cov 6m)"
32°40′11.3″N 117°16′51.7″W
Danger circle [K41] "Subm buoy (cov 6m)"
32°40′14.9″N 117°16′52.0″W
(36/06 CG11)

809679 2Ed. 2/22/86 LAST NM N4/07 N7/07
Add Buoy "155" Y, spherical, Fl(5) Y 20s (Priv)
32°34′09.9″N 117°10′05.5″W
(1/07 CG11)

809679 2Ed. 2/22/86 LAST NM N7/07 N9/07
Delete Buoy 32°41′12.0″N 117°13′39.0″W

Add Position circle "Tower" [E20] 32°42′05.3″N 117°12′25.0″W
(49/06 CG11; NTM0008/2007)

809679 2Ed. 2/22/86 LAST NM N9/07 N34/07
Delete Position circle and legend "STACK"
32°41′41.8″N 117°08′40.0″W
(NTM0008/2007)

809679 2Ed. 2/22/86 LAST NM N34/07 N21/08
Add Legend "Shoaling rep (2008)" (PA)
32°38′59.8″N 117°12′56.9″W
(18/08 CG11)

809679 2Ed. 2/22/86 LAST NM N21/08 N30/09
Add Buoy Y, pillar, Fl Y 4s (Priv) 32°41′38.0″N 117°16′42.0″W
(26/09 CG11)

★**809780** 1Ed. 7/23/77 NEW CHART N37/77
(DMAHC)

809780 1Ed. 7/23/77 LAST NM N37/77 N14/80
Add Note from back of Section I in
lower left margin of chart
(NVS6053/80)

809780 1Ed. 7/23/77 LAST NM N14/80 N13/09
Delete Dangerous wreck (PA) 38°53′16.8″N 8°39′40.8″E

Add Depth 13.9 meters Wk [K26] 38°53′12.7″N 8°39′37.1″E
(2(7)09 Genova)

★**809789** 2Ed. 7/22/95 NEW EDITION N39/95
Add Legend "LIMITED DISTRIBUTION"
in upper left and lower right
margins of chart

Note in lower right margin of chart
"LIMITED DISTRIBUTION: Distribution
authorized to DoD, IAW 10 U.S.C.
subsec. 130 & 2796. Release authorized
to U.S. DoD contractors IAW 48 C.F.R.
sec. 252.245-7000. Refer other requests
to Headquarters, DMA, ATTN: Release
Officer, Stop A-10. Destroy as "For
Official Use Only." Removal of this
caveat is prohibited."
(DMA)

809789 2Ed. 7/22/95 LAST NM N39/95 N40/97
Delete Buoy (mooring) and legend "(2 buoys)"
30°59′26″N 29°16′28″E

Add "PROHIB AREA" bound by shore and
green composite-line lesser arc of a
circle, radius 5 miles, centered
3180 meters E
of position 30°53′56″N 29°29′58″E
arc between 30°55′13″N 29°26′23″E
30°58′36″N 29°29′58″E
(8/95 Alexandria; SMEA025/96)

809789 2Ed. 7/22/95 LAST NM N40/97 N48/01
Delete Depth 13.7 meters 30°54′30″N 29°11′43″E
Depth 13.7 meters 30°53′45″N 29°13′21″E
Depth 13.7 meters 30°56′44″N 29°13′17″E
Depth 11.9 meters 30°53′54″N 29°15′17″E
Depth 11.9 meters 30°52′19″N 29°15′33″E
Depth 8.2 meters 30°53′07″N 29°17′28″E
Depth 7.3 meters 30°56′20″N 29°15′27″E
Depth 5.5 meters 30°56′45″N 29°16′12″E
Depth 3.7 meters 30°56′19″N 29°16′21″E
Depth 7.3 meters 30°55′34″N 29°16′30″E
Depth 7.3 meters 30°56′03″N 29°17′17″E

(continued on next page)

809789 (Continued) 48/01

	Depth 3.7 meters	30°56′40″N	29°17′10″E
	Depth 12.8 meters	30°56′43″N	29°18′15″E
	Depth 5.5 meters	30°57′12″N	29°18′45″E
	Depth 5.5 meters	30°55′13″N	29°19′05″E
	Rocks (3), danger circle and legend “Sha’b... Reef)” in vicinity	30°56′05″N	29°16′43″E
Add	Depth 26.8 meters	30°54′40″N	29°11′38″E
	Depth 9.5 meters	30°54′05″N	29°13′01″E
	Depth 38 meters	30°56′36″N	29°13′16″E
	Depth 5.2 meters	30°54′17″N	29°14′23″E
	Depth 7.1 meters	30°52′55″N	29°14′57″E
	Depth 3.9 meters	30°54′23″N	29°15′03″E
	Depth 25.9 meters	30°55′18″N	29°15′03″E
	Depth 3.5 meters	30°54′37″N	29°15′29″E
	Depth 3.6 meters	30°54′34″N	29°15′38″E
	Depth 5.7 meters	30°54′50″N	29°15′52″E
	Depth 6.8 meters	30°53′33″N	29°15′54″E
	Depth 32 meters	30°56′46″N	29°16′33″E
	Depth 7.5 meters	30°55′06″N	29°16′41″E
	Depth 12.3 meters	30°54′00″N	29°16′57″E
	Depth 8.2 meters	30°55′14″N	29°17′19″E
	Depth 5.7 meters	30°53′08″N	29°17′23″E
	Depth 7.9 meters	30°55′12″N	29°17′27″E
	Depth 3.6 meters	30°52′33″N	29°17′42″E
	Depth 5 meters	30°53′07″N	29°18′16″E
	Depth 6.1 meters	30°55′50″N	29°18′46″E
	Depth 30.3 meters	30°57′01″N	29°18′55″E
	Depth 14.4 meters	30°55′21″N	29°19′00″E
	Depth 7.9 meters	30°56′03″N	29°19′41″E
	Depth 1.5 meters	30°56′20″N	29°20′40″E
	Depth 4 meters	30°56′39″N	29°20′59″E
	Legend “Sha’b Medîna (Medîna Reef)	30°54′20″N	29°16′00″E

(NTM0052/2001)

Chart 51 NM 7/84

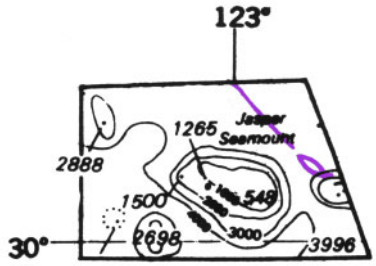
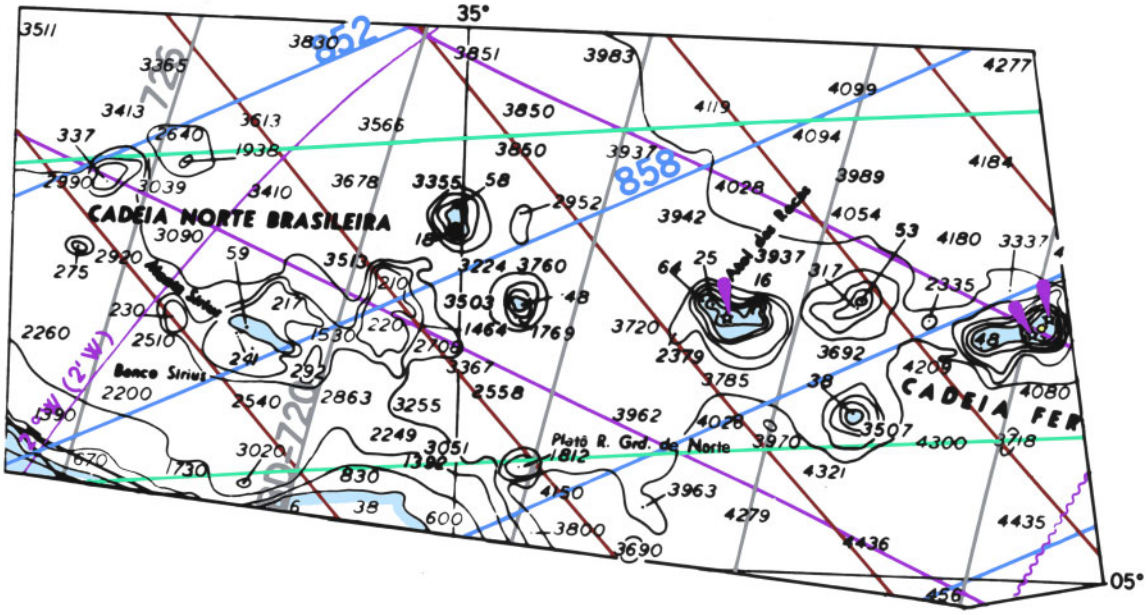


Chart 62 NM 16/07

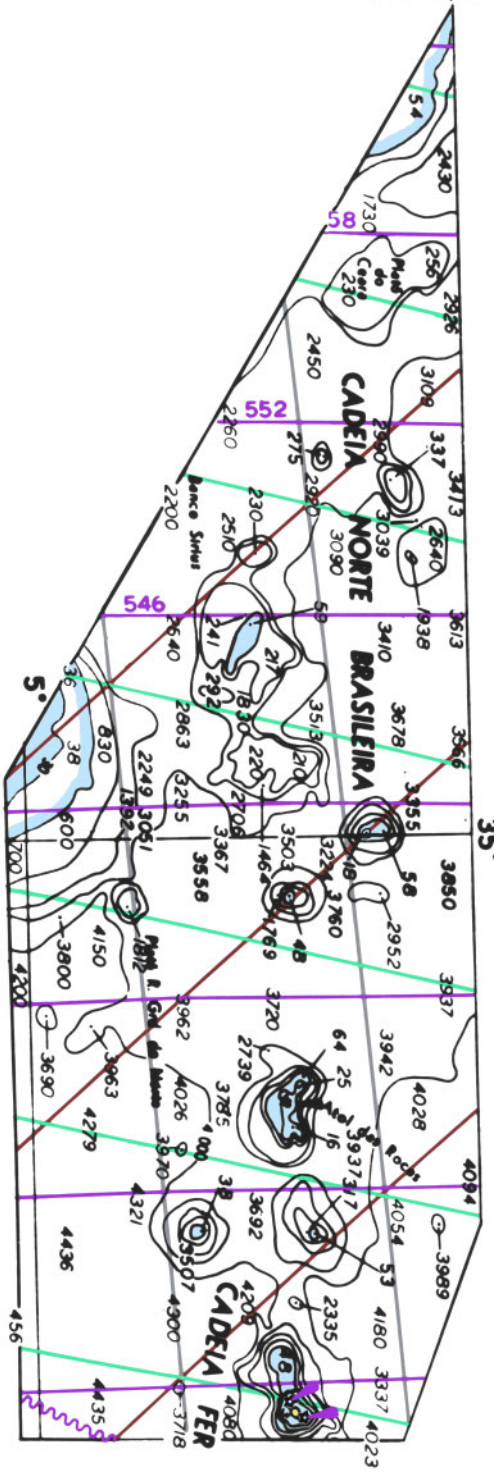
RED DOT POINTS AND AREAS

Areas enclosed by purple dashed line have been identified as potential hazards to navigation. They are designated as "Red Dot Area/Point #" areas with an associated predicted depth (+/- 250 meters). This predicted depth is derived from remote-sensed gravity data and could fall anywhere within the caution area. Mariners are advised to navigate with extreme caution within these areas.

Chart 106 NM 44/85



BRASILEIRA
TERRAÇO DO CEARÁ
MONTES DO CEARÁ
Platô do Ceará
Banco Sirius
Pta. Mulhaú
Pta. Mocoto
Pta. Cajuais
Areia Branca
Macau
Pta. de S. Alberto
CABO CA
PORTALEZA
1043
AERO R Bn
R Bn
R Bn
AD-918
924
40°
5°


CADEIA NORTE BRASILEIRA
CADEIA FER
Banco Sirius
Pico do Cabo
Pico R. Gal. do Nunes
58
552
546
35
5°

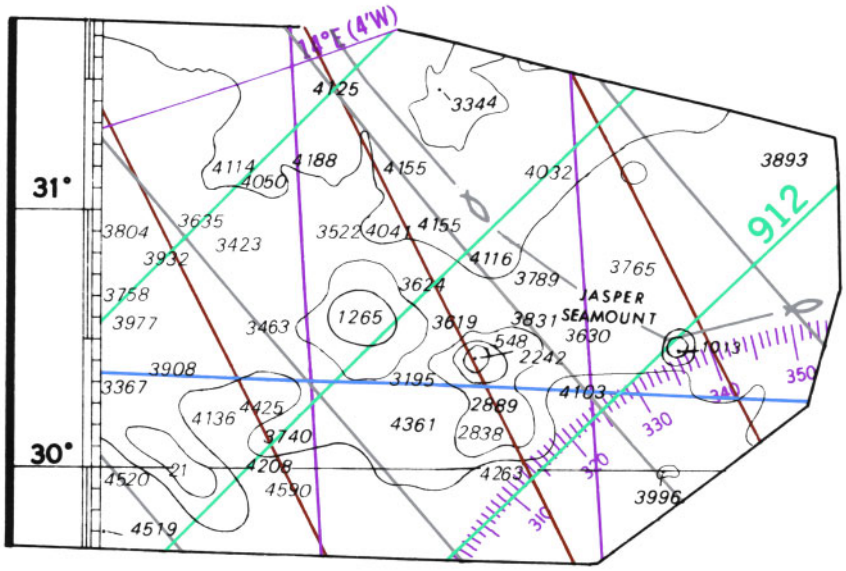
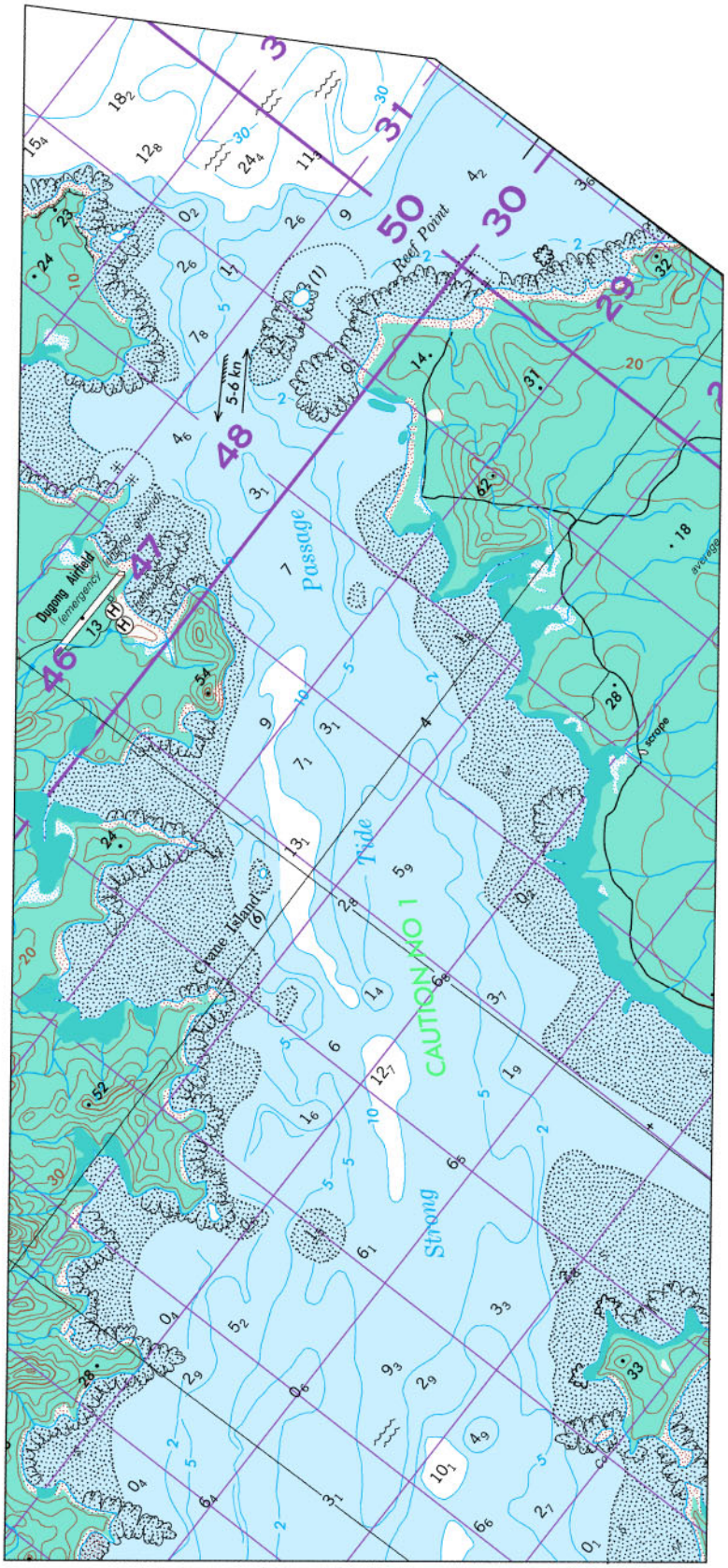


Chart 625 NM 16/07

RED DOT POINTS AND AREAS

Areas enclosed by purple dashed line have been identified as potential hazards to navigation. They are designated as "Red Dot Area/Point #" areas with an associated predicted depth (+/- 250 meters). This predicted depth is derived from remote-sensed gravity data and could fall anywhere within the caution area. Mariners are advised to navigate with extreme caution within these areas.


Reef Point
Passage
Tide
Strong
CAUTION NO 1
Crane Island
Dugong Airfield
emergency
5.6 km
average
scrape

SHOALWATER BAY MILITARY EXERCISE AREA

1. The waters within the area are closed to public access during the conduct of military exercises; closure will be advised by Notice to Mariners. However, all creeks within the area are permanently closed to public access. Shelter from storm or tempest may still be sought at Freshwater Bay, Port Clinton and Pearl Bay.
2. Shoalwater Bay and its approaches are within the limits of a firing danger area.

Chart 803333 NM 17/99

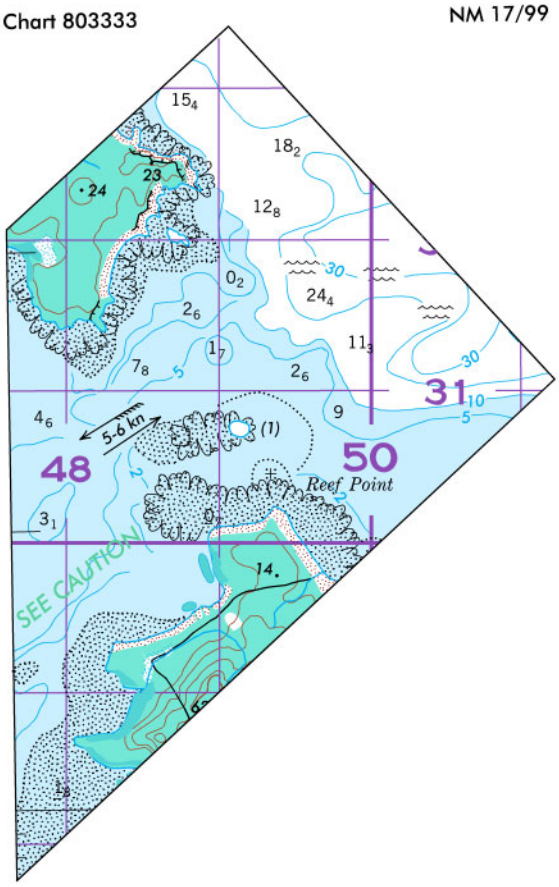


CHART 803333 NM N32/99

SHOALWATER BAY MILITARY EXERCISE AREA

1. The waters within the area are closed to public access during the conduct of military exercises; closure will be advised by Notice to Mariners. However, all creeks within the area are permanently closed to public access. Shelter from storm or tempest may still be sought at Freshwater Bay, Port Clinton and Pearl Bay.
2. Shoalwater Bay and its approaches are within the limits of a firing danger area.

NOTE

Submerged submarines operating with or without escorting vessels may be encountered within the area of this chart.
Chart 804037 NM N51/77

CHANGES IN BUOYAGE

After April 1980 certain buoys, lights and beacons within the limits of this chart will be affected by the implementation of Stage 4 of the conversion to IALA Maritime Buoyage System "A"—The Combined Cardinal and Lateral System (red to port)—in Europe and Mediterranean Africa. For further explanation, see Annual NM 1(6) 1980 and NM 10/80 Section III.
Chart 804037 NM N14/80

CHANGES IN BUOYAGE

After April 1980 certain buoys, lights and beacons within the limits of this chart will be affected by the implementation of Stage 4 of the conversion to IALA Maritime Buoyage System "A"—The Combined Cardinal and Lateral System (red to port)—in Europe and Mediterranean Africa. For further explanation, see Annual NM 1(6) 1980 and NM 10/80 Section III.
Chart 807861 NM N14/80

NOTE

Channel is obligatory for tankers transporting hydrocarbons and vessels carrying dangerous cargoes.
Chart 807861 NM N30/81

CHANGES IN BUOYAGE

After 1 April 1979 certain buoys, lights and beacons within the area of this chart will be affected by the implementation of Stage 3 of the conversion to IALA Maritime Buoyage System "A"–The Combined Cardinal and Lateral System (red to port)– in Europe and Mediterranean Africa. For further explanation, see NM 8S/1979 and Annual NM 1(6)1979.
Chart 808365 NM N9/79

CHANGES IN BUOYAGE

After April 1980 certain buoys, lights and beacons within the limits of this chart will be affected by the implementation of Stage 4 of the conversion to IALA Maritime Buoyage System "A"—The Combined Cardinal and Lateral System (red to port)—in Europe and Mediterranean Africa. For further explanation, see Annual NM 1(6) 1980 and NM 10/80 Section III.
Chart 809780 NM N14/80

COAST PILOT 1 39 Ed 2009 NEW EDITION
(NOS) 18/09

COAST PILOT 1 39 Ed 2009 Change No. 1
LAST NM 18/09

Page 409—Paragraph 116; read:

Maraspin Creek Lighted Buoy 1, about 0.2 mile northward of Blish Point, marks the entrance to the channel; this private aid is maintained from May to November. From the lighted buoy to **Blish Point**, the channel is marked by private daybeacons.
(06/09 CG1; 08/09 CG1) 19/09

Page 420—Paragraph 103; read:

New England District Office: 696 Virginia Road, Concord, MA 01742-2751; http://www.nae.usace.army.mil/navigation/index.htm. The New England District covers all the coastal and tributary waters described in this Coast Pilot.
(CL 1200/02; CE/09) 19/09

COAST PILOT 1 39 Ed 2009 Change No. 2
LAST NM 19/09

Page 54—Paragraph 212, line 1; read:

§70.05–10 Revocation of merchant mariner credential officer endorsement or license.

Every master, pilot, and engineer, or person or persons …
(CL 438/09; FR 3/16/09) 24/09

Page 54—Paragraph 212, line 7; read:

punished as provided in §70.05–5 and shall also have his merchant mariner credential officer endorsement or …
(CL 438/09; FR 3/16/09) 24/09

Page 83—Paragraph 924, lines 1 to 2; read:

(4) While underway, does not have at least one deck officer on the navigation bridge who is capable …
(CL 438/09; FR 3/16/09) 24/09

Page 99—Paragraph 1226, line 7; read:

at least an engineer with an appropriately endorsed license or merchant mariner credential.
(CL 438/09; FR 3/16/09) 24/09

Page 99—Paragraph 1227, lines 1 to 2; read:

(c) Each tanker must navigate with at least two deck officers with an appropriately endorsed license or merchant mariner credential on watch on the bridge, one of …
(CL 438/09; FR 3/16/09) 24/09

Page 100—Paragraph 1227, lines 4 to 5; read:

required, the second officer, must be an individual holding an appropriately endorsed license or merchant mariner credential and assigned to the vessel as master, mate, or officer …
(CL 438/09; FR 3/16/09) 24/09

Page 105—Paragraph 1399, line 8; read:

Lambert Lock.

Merchant mariner credential or MMC means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.
(CL 438/09; FR 3/16/09) 24/09

Page 111—Paragraph 1536; read:

(d) List specific areas and their boundaries.

§165.3 Definitions.

The following definitions apply to this part:

Credential means any or all of the following:

(1) Merchant mariner's document.
(2) Merchant mariner's license.
(3) STCW endorsement.
(4) Certificate of registry.
(5) Merchant mariner credential.

Merchant mariner credential or MMC means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.
(CL 438/09; FR 3/16/09) 24/09

Page 119—Paragraph 1745, lines 2 to 3; read:

be under the direction and control of an individual holding a valid merchant mariner's license or merchant mariner credential endorsed as pilot. This does not relieve the person in charge …
(CL 438/09; FR 3/16/09) 24/09

Page 137—Paragraph 2120, lines 2 to 4; read:

commerce are required to use a pilot holding a valid MMC or license with appropriate endorsement as a first-class pilot when operating in the navigable …
(CL 438/09; FR 3/16/09) 24/09

Page 393—Paragraph 214; strike out.
(CL 631/09) 24/09

Page 148—Paragraph 48; insert after:

Area to be avoided

In order to significantly reduce the risk of ship strikes to the North Atlantic right whale, an area to be avoided was established in the Great South Channel, east of the Boston Harbor traffic lanes. Ships of 300 gross tons and above should avoid the area bounded by lines connecting the following geographical positions:

41º44'08"N., 69º34'50"W.;
42º10'00"N., 68º31'00"W.;
41º24'53"N., 68º31'00"W.; and
40º50'28"N., 68º58'40"W. between the period of April 1 through July 31.

(CL 212/09; FR 10/10/08) 26/09

Page 379—Paragraph 7, lines 9 to 13; read:
miles centered in 40º35'01"N., 69º59'58"W. and intersected by the Traffic Separation Schemes at points in 40º23'45"N., 69º13'57"W. and 40º50'28"N., 68º58'40"W., and is bounded on the west by a line connecting the schemes at points in 40º36'46"N., 69º15'08"W. and 40º48'02"N., 69º02'57"W.

(CL 212/09) 26/09

Page 379—Paragraphs 11 to 14; read:

(ii) 42º18'17"N., 70º01'08"W., and
(iii) 40º49'15"N., 69º00'49"W.

Inbound traffic lane is a 1.5-mile-wide lane with a length of about 129 miles. Entering the traffic lane at a point in about 40º50'00"N., 68º59'30"W., a course of **333º** for about 100 miles, thence a course of **275º** for about 29 miles follows the centerline of the traffic lane to the junction with the precautionary area.

Outbound traffic lane is a 1.5-mile-wide lane with a length of about 127 miles. Entering the traffic lane at a point in about 42º19'30"N., 70º39'50"W., a course of **95º** for about 28 miles, thence a course of **153º** for about 99 miles follows the centerline of the traffic lane to the junction with the precautionary area; thence steer usual courses to destination.

(CL 212/09) 26/09

Page 379—Paragraph 15; insert after:

North Atlantic right whales feed and nurse in the area around the Traffic Separation Scheme (Boston). All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in three seasonal management areas. The first, near Great South Channel, is defined as the waters bounded by:

42º30'N., 69º45'W.;
42º30'N., 67º27'W.;
42º09'N., 67º08'24"W.;
41º00'N., 69º05'W.;
41º40'N., 69º45'W.; thence back to starting point and the restrictions apply between April 1 and July 31. The second area, off Race Point, is defined as the waters bounded by:
42º04'56.5"N., 70º12'W.;
42º12'N., 70º12'W.;
42º12'N., 70º30'W.;
42º30'N., 70º30'W.;
42º30'N., 69º45'W.;
41º41'N., 69º45'W.; thence due west to the shore and the restrictions apply between March 1 and April 30. The final area is defined as all waters of Cape Cod Bay with a northern boundary of 42º41'56.5"N., 70º12'W., to 42º12'N., 70º12'W., thence due west back to shore and the restrictions apply between January 1 and May 15. (See 50 CFR 224.105 in chapter 2 for regulations, limitations, and exceptions.)

Area to be avoided

In order to significantly reduce the risk of ship strikes to the North Atlantic right whale, an area to be avoided was established in the Great South Channel, east of the Boston Harbor traffic lanes. Ships of 300 gross tons and above should avoid the area bounded by lines connecting the following geographical positions:

41º44'08"N., 69º34'50"W.;
42º10'00"N., 68º31'00"W.;
41º24'53"N., 68º31'00"W.; and
40º50'28"N., 68º58'40"W. between the period of April 1 through July 31.

(CL 212/09; FR 10/10/08) 26/09

Page 381—Paragraph 43, line 1; read:

Boston Light (42º19'41"N., 70º53'24"W.), 102 feet …
(50/08 CG1) 26/09

Page 153—Paragraph 141; insert after:

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Great South Channel Seasonal Management Area between April 1 and July 31. The area is defined as the waters bounded by:

42°30'N., 69°45'W.;
42°30'N., 67°27'W.;
42°09'N., 67°08.4'W.;
41°00'N., 69°05'W.;

41°40'N., 69°45'W.; thence back to starting point. (See **50 CFR 224.105**, chapter 2, for regulations, limitations, and exceptions.)
(FR 10/10/08) 28/09

Page 339—Paragraph 272, lines 14 to 17; read:

September 2007, the controlling depth in the channel was 9.5 feet to the marina; the anchorage area south of the channel had controlling depths of 7.5 feet in the eastern half and 4.4 feet in the western half. A limited anchorage …
(CL 618/09; DD 14142) 28/09

Page 371—Paragraph 140, lines 5 to 7; read:

head. In January 2008, the controlling depth in the channel and boat basin was 5.9 feet.
(CL 410/09; BPs 193043-046) 28/09

Page 371—Paragraph 141, lines 6 to 8; read:

bridge, the head of navigation. In February 2008, the controlling depth was 5.6 feet in the river and in 1984, the basin had a reported midchannel controlling depth of 4 feet.
(CL 410/09; BPs 193047-053) 28/09

Page 409—Paragraph 106; insert after:

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Cape Cod Bay Seasonal Management Area between January 1 and May 15.The area is defined as all waters of Cape Cod Bay with a northern boundary of 42°41'56.5"N., 70°12'W. to 42°12'N., 70°12'W. Thence due west back to shore. (See **50 CFR 224.105**, chapter 2, for regulations, limitations, and exceptions.)
(FR 10/10/08) 28/09

COAST PILOT 1 39 Ed 2009 Change No. 5
LAST NM 28/09

Page 58—Paragraph 320 to Page 60—Paragraph 357; read:

§110.25 Salem Sound, Mass.

(a) *Beverly Harbor, north of Salem Neck, Salem, MA.* A line extending from the northerly end of the Salem Willows Yacht Club House 360 yards bearing 281° true to 42°32'14.3"N., 70°52'24.17"W.; thence north 275 yards to Monument Bar Beacon thence 540 yards bearing 080° to 42°32'25.3"N., 70°52'2.1"W.; thence 365 yards bearing 175° to 42°32'14.3"N., 70°52'1.1"W.; thence 237° to the shore. [NAD83]

(b) *Bass River*. All of the area upstream of the highway bridge (Popes Bridge) outside of the dredged channel.

(c) *South Channel*. Bounded by a line commencing at the northern most point of Peach's Point at 42°31'08.6"N., 70°50'32.8"W.; thence westerly to a point, at 42°31'21.9"N., 70°51'15.1"W. off Fluen Point; thence westerly to a point at 42°31'19.3"N., 70°51'47.4"W. off Naugus Head; thence southwesterly to a point at 42°31'00.3"N., 70°51'16.6"W. east of Folger Point; thence to a point at 42°30' 38.3"N.,70°52'34.6"W.; thence easterly to a point on Long Point at 42°30'52.6"N., 70°53'05"W. The areas will be principally for use by yachts and other recreational craft. Temporary floats or buoys for marking anchors will be allowed in the areas but fixed piles or stakes may not be placed. The anchoring of vessels, the placing of moorings, and the maintenance of fairways will be under the jurisdiction of the local Harbor Master.

(d) *Beverly and Mackerel Coves, north side of Beverly Harbor*. The water area enclosed by a line commencing at the southernmost point of Curtis Point in Beverly; thence bearing 238°, 1,400 yards to 42°32'29.7"N., 70°51'32.1"W.; thence 284°, 1,475 yards to the western shoreline of Mackerel Cove; thence north northeasterly to the point of beginning.

(e) *Collins Cove, Salem, MA*. The water area enclosed by a line beginning at Monument Bar Beacon; thence 242°, 580 yards to 42°32'14.5"N., 70°52'46.3"W.; thence 284°, 220 yards to 42°32'16"N., 70°52'55"W.; thence 231°, 525 yards to a point on the shoreline; thence following the shoreline and the western boundary of the special anchorage area as described in 33 CFR 110.25(a) to the point of beginning.

(f) *Marblehead Harbor, Marblehead, MA*. The area comprises that portion of the harbor lying between the extreme low water line and southwestward of a line bearing 336° from Marblehead Neck Light to a point on Peach Point at 42°31'03"N., 70°50'30"W.

Note: The area is principally for use by yachts and other recreational craft. Temporary floats or buoys for marking anchors are allowed. Fixed mooring piles or stakes are prohibited. All moorings must be so that no vessel, when anchored, will at any time extend beyond the limits of the area. The anchoring of vessels and the placing of temporary moorings are under the jurisdiction and at the direction of the local harbormaster.

§110.27 Lynn Harbor in Broad Sound, Mass.

North of a line bearing 244° from the tower of the Metropolitan District Building, extending from the shore to a point 100 feet from the east limit of the channel; east of a line bearing 358°, extending thence to a point 100 feet east of the northeast corner of the turning basin; south of a line bearing 88°, extending thence to the shore; and south and west of the shoreline to its intersection with the south boundary.

§110.29 Boston Inner Harbor, Mass.

(a) *Vicinity of Pleasant Park Yacht Club, Winthrop.* Southerly of a line bearing 276° from a point on the west side of Pleasant Street, Winthrop, 360 feet from the southwest corner of its intersection with Main Street; westerly of a line bearing 186° from a point on the south side of Main Street 140 feet from the southwest corner of its intersection with Pleasant Street; northerly of a line bearing 256° from a point on the west side of Pleasant Street 550 feet from the southwest corner of its intersection with Main Street and easterly of a line bearing 182° from a point on the south side of Main Street 640 feet from the southwest corner of its intersection with Pleasant Street.

(b) *Mystic River, east side of Tobin Bridge*. Beginning at a line running from a point on the Tobin Bridge at 42°23'08.5"N., 071°02'48.2"W; to a point at 42°23'06.4"N., 071°02'43.7"W.; thence northwest to a point at 42° 23'09.1"N., 071°02'43.2"W. along the shoreline to the western side of Tobin Bridge; thence to the point of origin.

(c) *Mystic River, west side of Tobin Bridge.* Beginning at a line running from a point on the Tobin Bridge at 42°23'08.8"N., 071°02'48.6"W. to a point at 42°23'10.5"N., 071°05'52"W.; thence northwest to the southeasterly corner of the pier at 42°23'13.4"N. 071°02'57.1"W. along the pier to the shoreline to the eastern side of Tobin Bridge; thence to the point of origin.

(d) *Boston Inner Harbor A.* (1) The waters of the western side of Boston Inner Harbor north of the entrance to the Fort Point Channel bound by the following points beginning at

42°21'32"N., 071°02'50"W; thence to

42°21'33"N., 071°02'44"W.; thence to

42°21'26"N., 071°02'36"W.; thence to

42°21'26"., 071°02'53"W.; thence to point of origin. [NAD83].

(2) The area is principally for use by yachts and other recreational craft. Temporary floats or buoys for marking anchors will be allowed. Fixed mooring piles or stakes are prohibited. The anchoring of vessels and placing of temporary moorings will be under the jurisdiction, and at the discretion of the Harbormaster, City of Boston. All moorings must be so placed that no vessel, when moored, will at any time extend beyond the limits of the area.

Note to paragraph (d): Administration of Special Anchorage Area is exercised by the Harbormaster, City of Boston, pursuant to local ordinances. The City of Boston will install and maintain suitable navigational aids to mark the limits of Special Anchorage areas.

§110.30 Boston Harbor, Mass.

(a) *Vicinity of South Boston Yacht Club, South Boston.* Northerly of a line bearing 96° from the stack of the heating plant of the Boston Housing Authority in South Boston; easterly of a line bearing 5° from the west shaft of the tunnel of the Boston Main Drainage Pumping Station; southerly of the shoreline; and westerly of a line bearing 158° from the northeast corner of the iron fence marking the east boundary of the South Boston Yacht Club property.

(b) *Dorchester Bay, in vicinity of Savin Hill Yacht Club.* Northerly of a line bearing 64° from the stack of the old power plant of the Boston Elevated Railway on Freeport Street in Dorchester; westerly of a line bearing 163° from the stack of the Boston Main Drainage Pumping Station on the Cow Pasture in Dorchester; and southerly and easterly of the shoreline.

(c) *Dorchester Bay, in vicinity of Dorchester Yacht Club.* Eastward of a line bearing 21° from the stack located a short distance northwestward of the Dorchester Yacht Club; southward of a line bearing 294° from the southerly channel pier of the highway bridge; westward of the highway bridge and the shoreline; and northward of the shoreline.

(d) *Quincy Bay, in vicinity of Wollaston and Squantum Yacht Clubs*. Northwesterly of a line bearing 36°30' from a point on the shore 2,600 feet easterly of the east side of the Wollaston Yacht Club landing; southwesterly of a line bearing 129°15' from the water tank in Squantum; and southeasterly and northeasterly of the shoreline.

(e) *Quincy Bay, in vicinity of Merrymount Yacht Club*. South of a line starting from a point bearing 246°, 3,510 yards, from the stack of the pumping station on Nut Island, and extending thence 306° to the shore; west of a line bearing 190° from the aforesaid point to the shore; and north and east of the shoreline.

(f) *Weymouth Fore River, in vicinity of Quincy Yacht Club*. A line from

42°16'46.9"N., 70°57'12.5"W. to

42°16'48.8"N., 70°57'5.5"W.; thence to

42°16'31"N., 70°56'23.1"W. to the northerly end of Raccoon Island to

42°15'48"N., 70°56'43.4"W.; thence along the western shoreline of Raccoon Island to

42°15'46.4"N., 70°56'55.4"W.; thence to

42°15'43"N. 70°57'5.8"W.; thence along the shoreline to the point of origin. [NAD83]

(g) *Weymouth Fore River, in vicinity of Wessagussett Yacht Club*. Southwesterly of a line bearing 117° from channel light ‘‘4;’’ southeasterly of a line 150 feet from and parallel to the meandering easterly limit of the dredged channel; easterly of a line bearing 188° from the eastern extremity of Rock Island Head; and northwesterly of the shoreline.

(h) *Weymouth Fore River, in the vicinity of Gull Point (PT)*. All of the waters bound by the following points beginning at

42°15'05"N., 70°57'26"W.; thence to
42°15'00"N., 70°57'26"W.; thence to
42°15'15"N., 70°56'50"W.; thence to
42°15'18"N., 70°56'50"W.; thence to the point of the beginning. [NAD83]

Note to paragraph (h): The area is principally for use by recreational craft. All anchoring in the area will be under the supervision of the local harbor master or such other authority as may be designated by the authorities of the Town of Weymouth, Massachusetts. All moorings are to be so placed that no moored vessel will extend beyond the limit of the anchorage area.

(i) *Weymouth Back River, in vicinity of Eastern Neck.* The cove on the north side of the river lying northerly of a line bearing 264°30' from the southwesterly corner of the American Agricultural Chemical Company's wharf (Bradley's Wharf) to the shore of Eastern Neck, about 2,200 feet distant.

(j) *Area No. 1 in Allerton Harbor*. That area north of Spinnaker Island beginning at
42°18'15.3"N., 70°53'44.1"W.; thence due east to
42°18'15.3"N., 70°53'27.6"W.; thence due south to
42°18'07.8"N., 70°53'27.6"W.; thence due west to
42°18'07.8"N., 70°53'44.1"W.; thence due north to the point of beginning. [NAD83]

(k) *Area No. 2 in Hull Bay*. That area south of Hog Island beginning at
42°17'50.8"N., 70°54'05.1"W.; thence due east to
42°17'50.8"N., 70°53'27.6"W.; thence due south to
42°17'30.3"N., 70°53'27.6"W.; thence due west to
42°17'30.3"N., 70°54'5.1"W.; thence due north to the point of beginning. [NAD83]

(l) *Area No. 3 in Hull Bay*. That area north of Bumkin Island beginning at
42°17'22.3"N., 70°54'5.1"W.; thence due east to
42°17'22.3"N., 70°53'15.6"W.; thence due south to
42°17'01.3"N., 70°53'15.6"W.; thence due west to
42°17'01.3"N., 70°54'5.17"W.; thence due north to the point of beginning. [NAD83].

Note to paragraphs (j), (k), and (l): The areas will be principally for use by yachts and other recreational craft. Temporary floats or buoys for marking anchors will be allowed. Fixed mooring piles or stakes are prohibited. The anchoring of vessels and the placing of temporary moorings is under the jurisdiction, and at the discretion, of the local Harbor Master, Hull, Mass.

(m) *Hingham Harbor Area 1*. Beginning at
42°15'39.3"N., 70°53'22.1"W.; thence to
42°15'53.8"N. 70°53'30.1"W.; thence to
42°15'56.3"N.70°53'21.1"W.; thence to
42°15'42.3"N. 70°53'13.1"W.; thence to point of beginning. [NAD83]

(n) *Hingham Harbor Area 2*. Beginning at
42°15'30.6"N., 70°53'0.5"W.; thence to
42°15'30.3"N., 70°53'11.6"W.; thence to
42°15'27.8"N., 70°53'16.1"W.; thence to
42°15'28.8"N., 70°53'29.1"W.; thence to
42°15'35.3"N., 70°53'32.1"W.; thence to
42°15'36.3"N., 70°53'34.6"W.; thence to
42°15'41.3"N., 70°53'32.6.5"W.; thence to
42°15'31.3"N., 70°53'26.1"W.; thence to
42°15'31.8"N., 70°53'01.1"W.; thence to point of beginning. [NAD83]

(o) *Hingham Harbor Area 3*. Beginning at
42°15'33.3"N., 70°52'59.6"W.; thence to
42°15'33.8"N., 70°53'17.1"W.; thence to
42°15'35.8"N., 70°53'00.1"W.; thence to point of beginning. [NAD83]

(p) *Hingham Harbor Area 4*. Beginning at
42°14'47.3"N., 70°53'07.6"W.; thence
42°14'48.8" N., 70°53'9.6"W.; thence to
42°14'54.3"N., 70°53'6.1"W.; thence to
42°14'56.9"N., 70°52'56.6"W.; thence to point of beginning. [NAD83]

(q) *Hingham Harbor Area 5*. Beginning at
42°14'48.3"N., 70°52'55.1"W.; thence to
42°14'48.8"N., 70°53'0.1" W.; thence to
42°14'58.3"N., 70°52'49.1"W.; thence to
42°14'53.8"N., 70°52'48.1"W.; thence to point of beginning. [NAD83]

Note to paragraphs (m), (n), (o), (p), and (q): The areas will be principally for use by yachts and other recreational craft. Temporary floats or buoys for marking anchors will be allowed in the areas but fixed piles or stakes may not be placed. The anchoring of vessels and the placing of moorings will be under the jurisdiction of the local Harbor Master.

(FR 6/10/09) 29/09

COAST PILOT 1 39 Ed 2009 Change No. 6
LAST NM 29/09

Page 346—Paragraph 371, line 5; read:
covered 6 feet is off the southeast shore.
(CL 887/09) 32/09

Page 424—Paragraph 266, line 2 to Paragraph 269; read:

Quincy, MA 02169-7495.

Federal Communications Commission Office

District Field Office:

Boston, MA: 1 Batterymarch Park, Quincy, MA 02169-7495.

Telephone toll-free: 1-888-225-5322; (1-888-CALL-FCC) to report radio communications interference issues.

(Internet/09) 32/09

COAST PILOT 2 38 Ed 2009 NEW EDITION

(NOS) 47/08

COAST PILOT 2 38 Ed 2009 Change No. 1

LAST NM 47/08

Page 235—Paragraph 308, lines 2 to 6; read:

of Clarks Point, is marked by a prominent round hill.

(CL 850/08; NOS 13230) 48/08

Page 244—Paragraph 68, lines 6 to 7; read:

the remainder of the center span. A racon is at the bridge.

(43/08 CG1; NOS 13223) 48/08

Page 258—Paragraph 289, lines 6 to 8; read:

engine repairs are available. The largest lift, on the east side of the cove about 0.3 mile above the mouth, can handle craft up to 70 tons.

(CL 988/08) 48/08

Page 270—Paragraph 114, line 8; read:

of Montauk. The yacht club can be contacted at 631-668-5052.

(DB 17217) 48/08

Page 277—Paragraph 226, line 4; read:

reported controlling depth of 6 feet in 2008. The entrance …

(DB 17175) 48/08

Page 278—Paragraph 231, lines 9 to 13; read:

Creek. Berths, electricity, gasoline, diesel fuel, water, ice, marine supplies, launching ramp, a 6-ton forklift, 55-ton mobile hoist, storage facilities, and hull and engine repairs are available. In July 2008, a reported depth of 8 feet was available alongside. The marina monitors VHF-FM channel 69.

(DB 17171) 48/08

Page 307—Paragraph 273; read:

West River, marked by buoys, is located on the west side of the main channel about 3 miles above Southwest Ledge Light. A Federal project provides for a depth of 12 feet to a point about 100 feet south of the first highway bridge (Kimberly Avenue Bridge), thence 8 feet to about 0.1 mile above the bridge; an anchorage area on the south side of the channel about 0.9 mile above the entrance has a project depth of 6 feet. (See Notice to Mariners and latest editions of charts for controlling depths.) Principal waterfront facilities are at **City Point**,

(CEM-New England/88;

CL 999/08; BPs 192669-71) 48/08

Page 335—Paragraph 226 to Paragraph 227, line 1; read:

Davids Island, southward of Davenport Neck, is owned by the city of New Rochelle. Reefs, partly bare at low water and marked by a lighted buoy, extend about 0.2 mile northward of the island. Davids Island is surrounded on its east and south …

(CL 1091/08) 48/08

Page 389—Paragraph 270, lines 7 to 12; read:

westerly side of the harbor to the head. In June 2008, the controlling depths were 5.9 feet to a point abeam the southern tip of Crookes Point, thence shoaling to bare across the channel at Buoy 6, thence 3.9 feet at midchannel to the mouth of the harbor with shoaling to 0.5 foot along the easterly side, thence 8.8 feet in the harbor channel to …

(CL 842/08; BPs 192572-76) 48/08

COAST PILOT 2 38 Ed 2009 Change No. 2

LAST NM 48/08

Page 243—Paragraph 64; read:

There are small-craft facilities at Tiverton and on the west side of Sakonnet River at Cedar Island Pond approximately 1.1 miles north of **Almy Point**. The facilities provide berths, electricity, gasoline, diesel fuel, water, ice, a pump-out station, a launching ramp, a lift to 35 tons, storage, and full repairs. The facility north of Almy Point has an approach depth of 12 feet and an alongside depth of 8 feet.

(DB 15700) 49/08

Page 290—Paragraph 48, line 9; read:

New London Ledge Light; it has a least depth of 10 feet.

(H 11441; DD 11467) 49/08

COAST PILOT 2 38 Ed 2009 Change No. 3

Page 191—Paragraphs 26 to 29; read:

Nauset Beach, on the barrier island east of **North Chatham**, is continually changing due to the effects of erosion and shifting sands. Waves wash across the beach into the sound in several places during periods of high water. There is a break in the beach centered in approximately 41º42'16"N., 69º55'47"W. The break is unmarked, extremely dangerous, and should be avoided by those without local knowledge.

Charts 13248, 13246

Chatham, about 11.5 miles southward of Nauset Beach Light, is on fairly high ground on the west side of **Chatham Harbor**. Several spires and a tall stack at Chatham are prominent. A conspicuous standpipe with a red and white checkered band around the top is at 41º41'38"N., 69º58'30"W. **Chatham Light** (41º40'17"N., 69º57'00"W.), 80 feet above the water, is shown from a white conical tower on the west side of the harbor. **Chatham Coast Guard Station** is near Chatham Light.

Chatham Harbor can be entered east of Chatham Light. Shoals are constantly shifting in the entrance and extreme caution is advised. Currents are extremely strong and dangerous; surf can build up quickly on the outer bar during an ebb tide. Ocean waves carry into the harbor and reportedly break as far north as Tern Island. Anchoring and even mooring in much of Chatham Harbor is not recommended. Mariners unfamiliar with the area are advised to stay east of **Chatham Beach Lighted Whistle Buoy C** (41º39'12"N., 69º55'30"W.).

Chatham Inlet Bar Guide Light (41º40'17"N., 69º57'00"W.), 62 feet above the water, is shown from a white skeleton tower near Chatham Light. A white (with orange border) and diamond-shaped dayboard worded **ROUGH BAR** is on the light. The light will be activated when the seas exceed 2 feet in height and are considered hazardous for small boats. Small-boat operators are cautioned, however, that if the light is not flashing it is no guarantee that sea conditions are favorable.

(CL 860/08; LL/07; NOS/08; NOS 13248) 49/08

COAST PILOT 2 38 Ed 2009 Change No. 4
LAST NM 49/08

Page 166—Paragraph 3321; insert after:

§224.105 Speed restrictions to protect North Atlantic Right Whales.

(a) The following restrictions apply to: All vessels greater than or equal to 65 ft (19.8 m) in overall length and subject to the jurisdiction of the United States, and all other vessels greater than or equal to 65 ft (19.8 m) in overall length entering or departing a port or place subject to the jurisdiction of the United States. These restrictions shall not apply to U.S. vessels owned or operated by, or under contract to, the Federal Government. This exemption extends to foreign sovereign vessels when they are engaging in joint exercises with the U.S. Department of the Navy. In addition, these restrictions do not apply to law enforcement vessels of a State, or political subdivision thereof, when engaged in law enforcement or search and rescue duties.

(1) *Southeast U.S.*(south of St. Augustine, FL to north of Brunswick, GA): Vessels shall travel at a speed of 10 knots or less over ground during the period of November 15 to April 15 each year in the area bounded by the following: Beginning at 31°27'00.0"N., 80°51'36.0"W.; thence west to charted mean high water line then south along charted mean high water line and inshore limits of COLREGS limit to a latitude of 29°45'00.0"N., thence east to 29°45'00.0"N., 80°51'36.0"W.; thence back to starting point. (Fig. 1).

(2) *Mid-Atlantic U.S.* (from north of Brunswick, Georgia to Rhode Island): Vessels shall travel 10 knots or less over ground in the period November 1 to April 30 each year:

(i) In the area bounded by the following: 33°56' 42.0"N., 77°31'30.0"W.; thence along a NW bearing of **313.26°** True to charted mean high water line then south along mean high water line and inshore limits of COLREGS limit to a latitude of 31°27'00.0"N.; thence east to

31°27'00.0"N., 80°51'36.0"W.; thence to
31°50'00.0"N., 80°33'12.0"W.; thence to
32°59'06.0"N., 78°50'18.0"W.; thence to
33°28'24.0"N., 78°32'30.0"W.; thence to
33°36'30.0"N., 77°47'06.0"W.; thence back to starting point.;

(ii) Within a 20-nm (37 km) radius (as measured seaward from COLRGES delineated coast lines and the center point of the port entrance) (Fig. 2) at the

(A) Ports of New York/New Jersey: 40°29'42.2"N., 73°55'57.6"W.;

(B) Delaware Bay (Ports of Philadelphia and Wilmington): 38°52'27.4"N., 75°01'32.1"W.;

(C) Entrance to the Chesapeake Bay (Ports of Hampton Roads and Baltimore): 37°00'36.9"N., 75° 57'50.5"W.; and

(D) Ports of Morehead City and Beaufort, NC: 34°41'32.0"N., 76°40'08.3"W.; and

(iii) In Block Island Sound, in the area bounded by the following coordinates: Beginning at

40°51'53.7"N., 70°36'44.9"W.; thence to
41°20'14.1"N., 70°49'44.1"W.; thence to
41°04'16.7"N., 71°51'21.0"W.; thence to
40°35'56.5"N., 71°38'25.1"W.; thence back to starting point. (Fig. 2).

(3) *Northeast U.S.* (north of Rhode Island):

(i) *In Cape Cod Bay, MA*: Vessels shall travel at a speed of 10 knots or less over ground during the period of January 1 to May 15 in Cape Cod Bay, in an area beginning at 42°04'56.5"N., 70°12'00.0"W.; thence north to 42°12'00.0"N., 70°12'00.0"W.; thence due west to charted mean high water line; thence along charted

mean high water within Cape Cod Bay back to beginning point. (Fig. 3).

(ii) *Off Race Point:* Vessels shall travel at a speed of 10 knots or less over ground during the period of March 1 to April 30 each year in waters bounded by straight lines connecting the following points in the order stated (Fig. 3):

42°30'00.0"N., 69°45'00.0"W.; thence to
42°30'00.0"N., 70°30'00.0"W.; thence to
42°12'00.0"N., 70°30'00.0"W.; thence to
42°12'00.0"N., 70°12'00.0"W.; thence to
42°04'56.5"N., 70°12'00.0"W.; thence along charted mean high water line and inshore limits of COLREGS limit to a latitude of 41°40'00.0"N., thence due east to 41°41'00.0"N., 69°45'00.0"W.; thence back to starting point.

(iii) *Great South Channel:* Vessels shall travel at a speed of 10 knots or less over ground during the period of April 1 to July 31 each year in all waters bounded by straight lines connecting the following points in the order stated (Fig. 3):

42°30'00.0"N., 69°45'00.0"W.
41°40'00.0"N., 69°45'00.0"W.
41°00'00.0"N., 69°05'00.0"W.
42°09'00.0"N., 67°08'24.0"W.
42°30'00.0"N., 67°27'00.0"W.
42°30'00.0"N., 69°45'00.0"W.

(b) Except as noted in paragraph (c) of this section, it is unlawful under this section:

(1) For any vessel subject to the jurisdiction of the United States to violate any speed restriction established in paragraph (a) of this section; or

(2) For any vessel entering or departing a port or place under the jurisdiction of the United States to violate any speed restriction established in paragraph (a) of this section.

(c) A vessel may operate at a speed necessary to maintain safe maneuvering speed instead of the required ten knots only if justified because the vessel is in an area where oceanographic, hydrographic and/or meteorological conditions severely restrict the maneuverability of the vessel and the need to operate at such speed is confirmed by the pilot on board or, when a vessel is not carrying a pilot, the master of the vessel. If a deviation from the ten-knot speed limit is necessary, the reasons for the deviation, the speed at which the vessel is operated, the latitude and longitude of the area, and the time and duration of such deviation shall be entered into the logbook of the vessel. The master of the vessel shall attest to the accuracy of the logbook entry by signing and dating it.

(d) This final rule expires on December 9, 2013.
(FR 10/10/08) 1/09

COAST PILOT 2 38 Ed 2009 Change No. 5

Page 369—Paragraph 4, line 7; read:

York Harbor, Ambrose Channel Lighted Whistle Buoy A will be seen; it marks the ...
(38/08 CG1; 44/08 CG1) 1/09

Page 372—Paragraph 30, lines 4 to 6; read:

(peak season: November through April). (See ...
(DD 12623) 1/09

Page 372—Paragraph 36, lines 1 to 3; read:

The pilot boat maintains station in the pie-shaped cruising area west of and centered on the traffic lanes and east of the Ambrose Channel Lighted Whistle Buoy A. See Pilotage, New York Harbor and Approaches ...
(DD 12623; CL 1022/08; 45/08 CG1; 44/08 CG1) 1/09

Page 374—Paragraph 90, line 3; read:

northward to The Narrows.

Recommended Vessel Tracks, Ambrose Channel

Recommended vessel tracks for coastwise tug and barge vessels approaching from or leaving toward the south and transiting to New York Harbor via Ambrose Channel, while not mandatory, are recommended by the Sandy Hook Pilot's Association as follows:

Tugs Inbound:
40º25'20.5"N., 73º52'57.0"W.;
40º25'48.6"N., 73º52'48.7"W.;
40º26'31.2"N., 73º52'40.2"W.;
40º27'09.2"N., 73º52'38.9"W.;
40º28'05.2"N., 73º52'54.9"W.;

Tugs Outbound:
40º28'26.4"N., 73º53'54.2"W.;
40º27'52.4"N., 73º53'42.4"W.;
40º27'32.7"N., 73º53'37.8"W.;
40º27'05.5"N., 73º53'36.0"W.;
40º25'41.2"N., 73º53'34.4"W.;
40º25'22.6"N., 73º53'35.7"W.

Area To Be Avoided

To avoid the risk of pollution and damage to the environment, all vessels carrying petroleum, dangerous or toxic cargoes, or any other vessel exceeding 1,000 gross tons, should avoid the area enclosed by the following points:

40º25'44.1"N., 73º52'40.6"W.;
40º25'51.2"N., 73º50'51.9"W.;
40º25'28.4"N., 73º50'51.9"W.;
40º24'43.0"N., 73º51'48.2"W.;

40º25'13.9"N., 73º52'40.6"W.
(CL 1022/08; CL 1109/08) 1/09

Page 376—Paragraph 127, line 1; read:

State and Federal pilotage service for vessels entering the Port of ...
(DD 12623) 1/09

Page 376—Paragraph 128; read:

The Sandy Hook pilot vessel maintains station in the pie-shaped cruising area west of and centered on the traffic lanes and east of the Ambrose Channel Lighted Whistle Buoy A. All traffic passes through a precautionary area transiting to the pilot station. Most vessels choose to approach the pilot station directly since Ambrose Light was disestablished. Traffic within the precautionary area may consist of vessels making the transition between operating in Ambrose or Sandy Hook Channel and one of the traffic lanes. Mariners are advised to exercise extreme care in navigating within this area. The pilot vessels have a black hull and white superstructure, with the name PILOT NO. 1 or PILOT NO. 2 in yellow on each side and are equipped with AIS and transmit either "PILOT NO. 1" or "PILOT NO. 2". A pilot vessel is always on station; boarding is made from smaller boats which are also AIS equipped and broadcast "P/B (name)". The pilot vessel monitors VHF-FM channels 16, 13, and 73, and works on 73.
(DD 12623; CL 1022/08; 45/08 CG1; 44/08 CG1) 1/09

Page 376—Paragraph 131; read:

Vessels are generally boarded in the charted, designated pilot area, outlined by a pie-shaped magenta bank west of and centered on the traffic lanes and Ambrose Channel. Arrangements for pilot services are made in advance through ship's agents or directly to Interport Pilots Agency, Inc.
(CL 1236/08; CL 1022/08; 45/08 CG1) 1/09

COAST PILOT 2 38 Ed 2009 Change No. 6

Page 177—Paragraph 179, line 15; read:

knots.
(38/08 CG1) 1/09

Page 215—Paragraph 53, line 6; read:

light. Several rocks exist between Gay Head and the lighted gong buoy.
(CL 1230/08; DD 12615) 1/09

Page 258—Paragraph 292, line 1; read:

Chepiwanoxet Point, on the western side of the ...
(CL 1242/08) 1/09

Page 344—Paragraph 369, lines 3 to 7; read:

the head. In July 2008, the midchannel controlling depth was 6.8 feet with shoaling to 3.3 feet in the last 50 feet. An overhead power cable near the head has a ...
(CL 931/08; BPs 192598-600) 1/09

Page 369—Paragraph 10; strike out.
(39/08 CG1; 44/08 CG1; 45/08 CG1; LL/07) 1/09

Page 389—Paragraph 279, lines 6 to 8; read:

the harbor to the mouth of Matawan Creek. In June 2008, the dredged channel had a controlling depth of 3.0 feet (5.9 feet at midchannel).
(CL 1119/08; BPs 192703-05) 1/09

Page 390—Paragraph 280, lines 2 to 3; read:

Harbor, is used mostly by local craft. In June 2008, the controlling depth was 3.8 feet to the first highway ...
(CL 1119/08; BPs 192703-05) 1/09

COAST PILOT 2 38 Ed 2009 Change No. 7
LAST NM 01/09

Page 169—Paragraphs 39 to 104; read:

North Atlantic Right Whales

The North Atlantic right whale is one of the world's most endangered large whale species. North Atlantic right whales are found primarily in continental shelf waters between Florida and Nova Scotia. They migrate annually along the east coast between the feeding grounds off New England and Canada and the calving grounds off Florida, Georgia and South Carolina. Because right whales mate, rest, feed and nurse their young at the surface, and often do not move out of the way of oncoming ships, they are highly vulnerable to being struck. Pregnant females and females with nursing calves appear to be particularly vulnerable to collisions with ships. Ship strikes and fishing gear entanglements are the two known sources of human-related mortality. Intentionally approaching within 500 yards of right whales is prohibited and is a violation of federal law. (See **50 CFR 224.103**, chapter 2 for limits, regulations and exceptions.)

Description of North Atlantic right whale: Right whales are large baleen whales. Adults are generally 45 to 55 feet in length and can weigh up to 70 tons. The body is mostly black, but irregularly shaped white patches may be present on the ventral surface. The best field identification marks are a broad back with no dorsal fin, irregular bumpy white patches (callosities) on the head, and a distinctive two-column V-shaped blow when viewed from directly behind or in front of the whale. The whales have broad, paddle-shaped flippers and a broad, deeply notched tail. (See following diagrams and photographs.) Right whales are slow moving and seldom travel faster than 5 or 6 knots. They can stay

submerged for 10 to 20 minutes and may appear suddenly when surfacing to breathe. They are often seen alone or in small groups. At times, right whales form large courtship groups of 20 to 30 animals.

Seasonal occurrence of North Atlantic right whales: During seasons and in areas where right whales may occur, vessel operators should maintain a sharp lookout for whales and reduce speeds when consistent with safe navigation. In any given year oceanographic variability may affect the seasonal distribution of right whales. In 1986, right whales were frequently sighted within the Stellwagen Bank National Marine Sanctuary throughout the summer, and in the early spring of 1998 a large number of right whales were documented near the Narragansett/Buzzards Bay Traffic Separation Scheme. Three areas in U.S. waters have been designated as critical habitats for North Atlantic right whales. The northern critical habitats, the Great South Channel (east of Cape Cod) and Cape Cod Bay extending into Massachusetts Bay, are feeding and nursery grounds. The southern critical habitat, off coastal Florida and Georgia (Sebastian Inlet, Florida to the Altamaha River, Georgia), is a calving area. (See **50 CFR 226.203**, chapter 2 for limits, regulations and exceptions).

Seasonal occurrence of North Atlantic right whales		
Location	Season	Comments
Central Gulf of Maine (Jordan Basin, Cashes Ledge)	December-March	
Cape Cod Bay	December-May	
Great South Channel, Northern Edge of Georges Bank	March - July	
Bay of Fundy, Scotian Shelf (Browns Bank, Roseway Basin)	July - October	Most of the population can be found in this area during this time
Jeffreys Ledge	October-December	Whales are frequently sighted in this area
Stellwagen Bank National Marine Sanctuary	Year-round	Peak sightings occur in the early spring with infrequent sightings in the summer
New York to North Carolina	November-April	The migration corridor between right whale habitats is within 30 miles of the Atlantic coast
South Carolina, Georgia and Florida Calving Area	November-April	Calving right whales have been sighted as far north as Cape Fear, NC and as far south as Miami, FL with rare sightings in the Gulf of Mexico

Mandatory Speed Restrictions: Vessels 65 feet or greater in length overall (L.O.A.) are subject to mandatory speed restrictions of 10 knots or less in seasonal management areas (SMA) along the U.S. East Coast during times when right whales are likely to be present (See following maps for locations of SMAs). The Northeastern SMA speed restrictions are in place from January 1 through May 15 in Cape Cod Bay, from March 1 through April 30 off Race Point, and from April 1 through July 31 in the Great South Channel. Speed restrictions in the Mid-Atlantic U.S. SMAs are in place from November 1 to April 30 and include Block Island Sound, entry into the Ports of New York/New Jersey, Delaware Bay, Entrance to Chesapeake Bay, and the Ports of Morehead City and Beaufort, NC, and within a continuous boundary approximately 20 nautical miles from shore around the major ports of Wilmington, NC, Charleston, SC and Savannah, GA. Speed restrictions are in place in the Southeastern U.S. SMA from November 15 to April 15; this area extends from shore approximately 30 nautical miles eastward and contains the major ports of Brunswick, GA, Fernandina Beach, FL and Jacksonville, FL. (See **50 CFR 224.105**, chapter 2 for regulations, limitations, and exceptions and complete description of the SMAs.) NOAA Fisheries may also establish voluntary Dynamic Management Areas (DMAs) when right whales are present in areas and times not covered by the SMAs. Information about established DMAs will be announced over NOAA's customary maritime communication media. Mariners are encouraged to avoid or reduce speeds to 10 knots or less while transiting through DMAs.

Early Warning and Sighting Advisory Systems: As weather and conditions permit, dedicated seasonal programs of aerial and vessel surveys are conducted in the Northeast and Southeast U.S. to provide whale sighting information to mariners. Surveys typically occur in the following locations at the specified times: a) Cape Cod Bay, the Gulf of Maine, the Great South Channel, and Rhode Island, Block Island, and Long Island Sounds from January through July; b) South

Carolina/North Carolina border south to Crescent Beach, FL from December through March. Survey planes occasionally use VHF-FM channel 16 to contact ships directly if whales have been spotted in close proximity to that vessel. However, many right whales go undetected by surveys. Seasonal right whale advisories and sighting reports are broadcast periodically for these and surrounding areas by Coast Guard Broadcast Notice to Mariners, NAVTEX, NOAA Weather Radio, Cape Cod Canal Vessel Traffic Con-trol, the Bay of Fundy Vessel Traffic Control, and are in-cluded in the return message from the Right Whale Man-datory Ship Reporting (MSR) systems. General sighting in-formation may be obtained by sending an e-mail to ne.rw.sightings @noaa.gov (Northeast) or se.rw.sightings@noaa.gov (Southeast).

Precautions when transiting right whale habitat and areas of recently reported right whale sightings:

NOAA recommends the following precautionary measures be taken to avoid adverse interactions with North Atlantic right whales:

Before entering right whale habitat (See "Seasonal Occurrence" table), check Coast Guard Broadcast Notices to Mariners, NAVTEX, NOAA Weather Radio, Mandatory Ship Reporting (MSR) system, Cape Cod Canal Vessel Traffic Control, the Bay of Fundy Vessel Traffic Control, as well as other sources for recent right whale sighting reports. Local ship pilots also have information on whale sightings and safe local operating procedures.

Review right whale identification materials and maintain a sharp watch with lookouts familiar with spotting whales. Although right whales are large, their dark color and lack of a dorsal fin can make them difficult to spot.

Avoid transiting through the right whale habitats and areas where right whales have recently been sighted. If transiting between ports within critical habitats, minimize transit distance. Route around observed or recently reported right whales and anticipate delays due to prudent seamanship in response to whale sightings. Avoid transits at night or during periods of low visibility.

If a right whale is sighted from the ship or reported along the intended track of the ship, mariners should exercise caution, post a lookout and reduce speed to 10 knots when consistent with safe navigation. If a right whale is sighted, a vessel must steer a course away from the right whale and immediately leave the area at slow safe speed. Do not assume right whales will move out of the way of an approaching vessel. Mariners should keep in mind that it is illegal to approach a right whale closer than 500 yards. (See **50 CFR 224.103**, chapter 2 for limits, regulations and exceptions.)

Any whale accidentally struck, dead whale carcass, and sighting of an injured or entangled whale should be reported immediately to the Coast Guard or NOAA National Marine Fisheries Service noting the precise location, date, and time of the accident or sighting. Call 978-281-9351 for reports to NOAA for the area from Virginia to Maine, or 877-433-8299 for the area from North Carolina to Florida. In the event of a strike or sighting of a dead, injured or entangled whale, the following information should be provided:

location, date, and time of the accident or sighting of a carcass or an entangled whale,
speed and course of the vessel,
vessel specifications such as size and propulsion,
water depth,
environmental conditions such as visibility, wind speed and direction,
description of the impact,
fate of the animal, and
species and size, if known.

Recommended Two-Way Routes to Avoid Whales: To reduce the possibility of vessel strikes with right whales, Two-Way Routes were developed for vessels entering and transiting through Cape Cod Bay and arriving and departing the ports of Brunswick, GA, Fernandina Beach, FL and Jacksonville, FL. The routes were developed from an analysis of historical right whale sightings and are designed to reduce the likelihood of adverse interactions between large vessels and right whales. The routes are found on the latest NOAA Nautical Charts. In July 2007, the northern leg of the Boston Traffic Separation Scheme (TSS) was shifted to direct ship traffic away from an area of high whale density. Use of the modified TSS is expected to considerably reduce the risk of striking a whale.

Mandatory Ship Reporting Systems (MSR) WHALESNORTH and WHALESSOUTH

Mandatory Ship Reporting (MSR) systems require all vessels, 300 gross tons or greater, to report to the U.S. Coast Guard upon entering two designated reporting areas off the east coast of the United States. (See **33 CFR 169**, chapter 2, for limits and regulations.) Sovereign immune vessels are exempt from the requirement to report, but are encouraged to participate.

The two reporting systems will operate independently of each other. The system in the northeastern United States will operate year round and the system in the southeastern United States will operate each year from November 15 through April 15. Reporting ships are only required to make reports when entering a reporting area during a single voyage (that is, a voyage in which a ship is in the area). Ships are not required to report when leaving a port in the reporting area

nor when exiting the system.

Mariners should check all MSR messages carefully before transmittal to ensure the message includes the correct address and format. Additional greeting or comments in the message will preclude message receipt by the MSR system. Failure to receive a timely return message from the MSR system that provides locations of recent right whale sightings and precautionary guidance should be reported to the local Marine Safety Office of the U.S. Coast Guard.

Northeastern reporting system/Southeastern reporting system (See **33 CFR 169.105** and **169.115**, chapter 2, for limits.)

Vessels shall make reports in accordance with the format in IMO Resolution A.858 (20) in accordance with the International Convention for the Safety of Life at Sea 1974 (SOLAS 74). (See **33 CFR 169.135 and 169.140**, chapter 2, for additional information.) Vessels should report via INMARSAT C or via alternate satellite communications to one of the following addresses:

Email: RightWhale.MSR@noaa.gov or Telex: 48156090.

Vessels not equipped with INMARSAT C or Telex should submit reports to the U.S. Coast Guard's Communication Area Master Station Atlantic (CAMSLANT) via HF voice frequencies on 2182 kHz, 4125 kHz, 6215 kHz, 8291 kHz, 12290 kHz, and 16420 kHz or by calling 1-800-742-8519x0. Vessels equipped only with VHF-FM voice communications should submit reports to the nearest U.S. Coast Guard activity or group.

Example Reports:

WHALESNORTH

WHALESNORTH//
M/487654321//
A/CALYPSO/NRUS//
B/031401Z APR//
E/345//
F/15.5//
H/031410Z APR/4104N/06918W//
I/BOSTON/032345Z APR//
L/WP/4104N/06918W/15.5.//
L/WP/4210N/06952W/15.5//
L/WP/4230N/07006W/15.5//

WHALESSOUTH

WHALESSOUTH//
M/412345678//
A/BEAGLE/NVES//
B/270810Z MAR//
E/250//
F/17.0//
H/270810Z MAR/3030N/08052W//
I/MAYPORT/271215Z MAR//
L/RL/17.0//

(DD 12622) 5/09

Page 174—Paragraph 130, lines 3 to 6; read:

March through July). (See North Atlantic Right Whales, indexed as such, in this chapter for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Great South Channel Seasonal Management Area between April 1 and July 31. The area is defined as the waters bounded by:

42º30'N., 69º45'W.;
42º30'N., 67º27'W.;
42º09'N., 67º08.4'W.;
41º00'N., 69º05'W.;
41º40'N., 69º45'W.; thence back to starting point. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 5/09

Page 175—Paragraph 148, line 10 to Paragraph 152; read:

spring and summer (peak season: March through July, although right whales have been seen in the area year round).

North Atlantic Right Whales

Great South Channel lies within the federally designated critical habitat for North Atlantic right whales (see **50 CFR 226.203(a),** chapter 2). In some years, more than a third of the remaining population of North Atlantic right whales can be found in the Great South Channel at any one time. It is illegal to approach closer than 500 yards of any right whale. (See **50 CFR 224.103(c),** chapter 2, for limit and regulation.) It is recommended that all large vessels (over 100 gross tons) avoid operating in the critical habitat during the peak period of right whale occurrence (March through July). When the area cannot be avoided, precautionary measures should be taken to reduce the risk of ship strikes. (See North Right whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions with whales.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Great South Channel Seasonal Management Area between April 1 and July 31. The area is defined as the waters bounded by:

42º30'N., 69º45'W.
42º30'N., 67º27'W.
42º09'N., 67º08.4'W.
41º00'N., 69º05'W.
41º40'N., 69º45'W.; thence back to starting point. (See

50 CFR 224.105 in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 5/09

Page 189—Paragraph 5, lines 4 to 12; read:

habitat boundary). It is illegal to approach closer than 500 yards of any right whale. (See **50 CFR 224.103(c),** chapter 2, for limits and regulation.) **Recommended Two-Way Whale Avoidance Routes** and a **Recommended Two-Way Whale Avoidance Track** have been charted within Cape Cod Bay to reduce interactions between vessels and right whales. When right whales are present in Cape Cod Bay (peak season: December through May), NOAA recommends that mariners use these routes and take the precautionary measures recommended in chapter 3 to reduce the risk of ship strikes. (See North Atlantic Right Whales, indexed ...
(FR 10/10/08) 5/09

Page 189—Paragraph 5, line 18; read:

may exist.

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Cape Cod Bay Seasonal Management Area between January 1 and May 15. The area is defined as all waters of Cape Cod Bay with a northern boundary of 42º41'56.5"N., 70º12'W., to 42º12'N., 70º12'W., thence due west back to shore. The restriction applies to a Seasonal Management Area off Race Point between March 1 and April 30. The area is defined as the waters bounded by:

42º04'56.5"N., 70º12'W.
42º12'N., 70º12'W.
42º12'N., 70º30'W.
42º30'N., 70º30'W.
42º30'N., 69º45'W.
41º41'N., 69º45'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 5/09

Page 204—Paragraph 188, lines 6 to 8; read:

North Atlantic Right Whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Block Island Sound Seasonal Management Area between November 1 and April 30. The area is defined as the waters bounded by:

40º51'53.7"N., 70º36'44.9"W.;
41º20'14.1"N., 70º49'44.1"W.;
41º04'16.7"N., 71º51'21.0"W.;
40º35'56.5"N., 71º38'25.1"W.; thence back to starting point. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 5/09

Page 227—Paragraph 193, lines 9 to 15; read:

(peak season: December through May), vessels transiting Cape Cod Bay are urged to use Recommended Two-Way Whale Avoidance Routes to reduce the likelihood of collisions with right whales. (See North Atlantic Right Whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions with whales.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Cape Cod Bay Seasonal Management Area between January 1 and May 15. The area is defined as all waters of Cape Cod Bay with a northern boundary of 42º41'56.5"N., 70º12'W., to 42º12'N., 70º12'W., thence due west back to shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 5/09

Page 241—Paragraph 30, lines 7 to 9; read:

such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Block Island Sound Seasonal Management Area between November 1 and April 30. The area is defined as the waters bounded by:

40º51'53.7"N., 70º36'44.9"W.;
41º20'14.1"N., 70º49'44.1"W.;
41º04'16.7"N., 71º51'21.0"W.;
40º35'56.5"N., 71º38'25.1"W.; thence back to starting point. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 5/09

Page 263—Paragraph 26, lines 4 to 11; read:

They may also occur 30 miles south of Block Island Sound (peak season: November through April). The Northeast Marine Pilots distribute educational material to mariners in an effort to reduce right whale ship strikes. (See North Atlantic Right Whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Block Island

Sound Seasonal Management Area between November 1 and April 30. The area is defined as the waters bounded by:

40º51'53.7"N., 70º36'44.9"W.;
41º20'14.1"N., 70º49'44.1"W.;
41º04'16.7"N., 71º51'21.0"W.;
40º35'56.5"N., 71º38'25.1"W.; thence back to starting point. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 5/09

Page 355—Paragraph 6; read:

North Atlantic Right Whales

Endangered North Atlantic right whales may occur within 30 miles of the south coast of Long Island, including the approaches to New York Harbor (peak season: November through April). (See North Atlantic Right Whales, indexed as such in chapter 3, for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a Seasonal Management Area existing around the Ports of New York/New Jersey between November 1 and April 30. The area is defined as the waters within a 20-nm radius of 40º29'42.2"N., 73º55'57.6"W. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 5/09

Page 372—Paragraph 30; read:

North Atlantic Right Whales

Endangered North Atlantic right whales may occur within 30 miles of the New York and New Jersey coasts in the approaches to New York Harbor (peak season: November through April). (See North Atlantic Right Whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a Seasonal Management Area existing around the Ports of New York/New Jersey between November 1 and April 30. The area is defined as the waters within a 20-nm radius of 40º29'42.2"N., 73º55'57.6"W. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 5/09

COAST PILOT 2 38 Ed 2009 Change No. 8

Page 174—Paragraphs 132 to 133; strike out.
(48/08 CG1) 5/09

Page 195—Paragraph 92, lines 4 to 5; read:

subject to shoaling. In August 2008, the controlling depth in the entrance channel was 2.3 feet (8.8 feet at midchannel).
(CL 1205/08; BPs 192732-34) 5/09

COAST PILOT 2 38 Ed 2009 Change No. 9
LAST NM 05/09

Page 221—Paragraph 124, line 2; read:

71°02'01"W.), 67 feet above the water, is shown from a …
(50/08 CG1) 9/09

Page 263—Paragraph 36, line 2; read:

71°33'04"W.), 67 feet above the water, is shown from a …
(50/08 CG1) 9/09

Page 269—Paragraph 100, lines 2 to 3; read:

168 feet above the water, is shown from a white conical tower with a red band midway of its …
(50/08 CG1) 9/09

COAST PILOT 2 38 Ed 2009 Change No. 10
LAST NM 09/09

Page 6—Paragraph 52, line 7; read:

website is http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html.
(NOS/09) 10/09

Page 298—Paragraph 142, line 7; read:

(860) 388-4167. Pilot boat TRUDEE II is 36 feet, with …
(DB 17526) 10/09

Page 416—Paragraph 38, lines 2 to 3; read:

on the internet only at http://www.nauticalcharts.noaa.gov/nsd/distances-ports/.)
(NOS/09) 10/09

COAST PILOT 2 38 Ed 2009 Change No. 11
LAST NM 10/09

Page 174—Paragraph 132 to Paragraph 133, line 1; read:

NOAA Data Lighted Buoy 44008 (40°30'09"N., 69°14'48"W.) is about 57 miles south-southeastward of Nantucket Island. This buoy is located inside the traffic separation …
(48/08 CG1) 13/09

Page 191—Paragraph 33, lines 2 to 3; read:

Tern Island and Chatham. In November 2008, the controlling depth of the channel was 3 feet, thence 4.6 to 8 feet in …
(CL 1369/08; BPs 192852-53) 13/09

Page 65—Paragraph 908 to Page 66—Paragraph 915; read:

(ii) *Romer Shoal*. All waters bound by the following points:

40°28'27.2"N., 073°56'45.8"W.; thence to
40°29'47.7"N., 073°56'46.2"W.; thence to
40°31'25.4"N., 074°00'53.5"W.; thence to
40°32'11.4"N., 074°01'39.5"W.; thence to
40°32'12.4"N., 074°02'05.5"W.; thence to
40°31'27.4"N., 074°02'05.5"W.; thence to
40°30'13.4"N., 074°00'05.5"W.; thence to the point of origin.

(FR 3/11/09) 15/09

Page 132—Paragraphs 2452 to 2458; read:

(a) *Naval Ammunition Depot Piers*. The navigable waters within the following boundaries are a security zone: A line beginning on the shore at

40°25'55.6"N., 074°04'31.4"W.; thence to
40°26'54.0"N., 074°03'53.0"W.; thence to
40°26'58.0"N., 074°04'03.0"W.; thence to
40°27'56.0"N., 074°03'24.0"W.; thence to
40°27'28.5"N., 074°02'10.4"W.; thence to
40°26'29.5"N., 074°02'51.2"W.; thence to
40°26'31.4"N., 074°02'55.4"W.; thence to
40°25'27.1"N., 074°03'39.7"W.; thence northwest along the shoreline to the beginning point.

(FR 2/13/09) 15/09

Page 136—Paragraphs 2552 to 2558; strike out.

(FR 2/13/09) 15/09

Page 137—Paragraphs 2572 to 2574; read:

(3) *Part 105 Facilities*. (i) *Definition.* For the purposes of this section, *Part 105 Facility* means any facility subject to the regulations contained in 33 CFR part 105, including those designated as "Public Access Facilities" as defined in 33 CFR 101.105. For public identification purposes, all of these facilities are required to have signs posted along the shoreline, facing the water, indicating that there is a 25 yard waterfront security zone surrounding the facilities.

(ii) *Location.* All waters within 25 yards of each Part 105 Facility. When a barge, ferry, or other commercial vessel is conducting transfer operations at a Part 105 Facility, the 25-yard zone is measured from the outboard side of the commercial vessel.

(iii) *Regulations.* (A) Vessels not actively engaged in passenger, cargo, provision, facility maintenance, or inspection, bunker transfer operations, or docking or undocking operations, authorized in advance by the Facility Security Plan, Facility Security Officer or designated representative, must not enter within any part of a zone described in paragraph (a)(3) of this section without the express permission of the Cost Guard Captain of the Port, a designated representative or designated on-scene patrol personnel.

(B) Persons seeking Captain of the Port permission to enter within a particular zone for official business other than authorized passenger, cargo, provision, facility maintenance or inspection, bunker transfer operations or authorized docking or undocking operations may request such authorization by contacting: Commander Coast Guard Sector New York, via the Sector Command Center (SCC), at: 212 Coast Guard Drive, Staten Island, NY 10305 or via fax to (718) 354-4125 or by contacting the Sector Command Center Duty Officer by phone at: (718) 354-4353.

(C) Vessels may transit through any portion of the zone that extends into the navigable channel for the sole purpose of direct and expeditious transit so long as they as they remain within the navigable channel, maintain the maximum safe distance from the Part 105 Facility, and do not stop or loiter within the zone.

(FR 2/13/09) 15/09

Page 137—Paragraphs 2577 to 2579; read:

(6) *New York City Passenger Ship Terminal, Hudson River, NY.* (i) *Location*. All navigable waters of the Hudson River bound by the following points: From the point 40°46'09"N., 073°59'48.7"W. on the seawall midway between Pier 92 and 94, thence northwest to approximate position 40°46'14"N., 074°00'00.9"W., approximately 125 yards northwest of Pier 92, thence southwest to approximate position 40°45'56.7"N., 074°00'15.3"W., approximately 150 yards west of Pier 86, thence east to the seawall between Pier 84 and Pier 86 at the approximate position 40°45'49.6"N., 073°59'58.1"W. (NAD 1983), thence northeast along the shoreline to the point of origin.

(ii) *Regulations.* Vessels not actively engaged in passenger, cargo, provision, facility maintenance or inspection, bunker transfer operations, or docking or undocking operations, authorized in advance by the Facility Security Plan, Facility Security Officer or designated representative, must not enter within any part of a zone described in paragraph (a)(6) of this section without express permission of the Coast Guard Captain of the Port, a designated representative or designated on-scene patrol personnel. Persons seeking Captain of the Port permission to enter within the zone described in paragraph (a)(6) of this section for official business other than authorized passenger, cargo, provision, facility maintenance or inspection, bunker transfer operations or authorized docking or undocking

operations may request such authorization by contacting: Commander Coast Guard Sector New York, via the Sector Command Center (SCC), at: 212 Coast Guard Drive, Staten Island, NY 10305, or via fax to (718) 354-4125 or by contacting the Sector Command Center Duty Officer by phone at (718) 354-4353.
(FR 2/13/09) 15/09

Page 139—Paragraphs 2704 to 2715; read:

(12) *Approaches to New York, Atlantic Ocean.* (i) *Location.* All waters of the Atlantic Ocean between Ambrose and Hudson Canyon Traffic Lane and the Barnegat to Ambrose Traffic lane bound by the following points:

40°21'29.9"N., 073°44'41.0"W., thence to
40°21'04.5"N., 073°45'31.4"W., thence to
40°15'28.3"N., 073°44'13.8"W., thence to
40°15'35.4"N., 073°43'29.8"W., thence to
40°19'21.2"N., 073°42'53.0"W., (NAD 1983) thence to point of origin.

(ii) *Enforcement Period.* Enforcement periods for the zone in paragraph (a)(12) of this section will be announced through marine information broadcast or other appropriate method of communication and the zone is activated whenever a vessel is anchored in the area described in paragraph (a)(12)(i) or a Coast Guard patrol vessel is on-scene.

(iii) *Regulations.* (A) The area described in paragraph (a)(12) of this section is not a Federal Anchorage Ground. Only vessels directed by the Captain of the Port or his or her designated representative to enter this zone are authorized to anchor here.

(B) Vessels do not need permission from the Captain of the Port to transit the area described in paragraph (a)(12) of this section during periods when that security zone is not being enforced.

(13) *Liquefied Hazardous Gas (LHG) Vessels.* (i) *Definitions.* For the purposes of this section, *LHG Vessel* means any vessel constructed to carry, in bulk, any of the flammable or toxic products listed in 33 CFR 127.005, Table 127.005.

(ii) *Location*. All waters within a 200-yard radius of any LHG Vessel that is underway and all waters within a 100-yard radius of any LHG vessel that is moored or at anchor.

(iii) *Enforcement period*. The zone described in paragraph (a)(13) of this section will be activated upon entry of a LHG Vessel into the navigable waters of the United States (see 33 CFR 2.36(a) to include the 12 NM territorial sea) in the New York Captain of the Port Zone (33 CFR 3.05-30). The LHG Vessel will be identifiable by the requirement to fly the Bravo flag (red international signal flag under Pub. 102, International Code of Signals) from the outermost halyard (above the pilot house) where it can most easily be seen. In addition to visual identification of the LHG Vessel, the Captain of the Port will notify the maritime community of periods during which this zone will be enforced by methods in accordance with 33 CFR 165.7.

(14) *Cruise ships.* (i) *Definition.* For the purposes of this section, *cruise ship* means a passenger vessel as defined in 46 U.S.C. 2101 (22) that is authorized to carry more than 400 passengers and is 200 or more feet in length. A cruise ship under this section will also include ferries as defined in 46 CFR 2.10-25 that are authorized to carry more than 400 passengers and are 200 feet or more in length.

(ii) *Location.* All waters within a 100-yard radius of any cruise ship whether underway, anchored, or at berth.

(iii) *Enforcement period.* The zone described in paragraph (a)(14) of this section will be activated upon entry of any cruise ship into the navigable waters of the United States (See 33 CFR 2.36(a) to include the 12 NM territorial sea) in the New York Captain of the Port Zone (33 CFR 3.05-30). This zone will remain activated at all times while the cruise ship is within the navigable waters of the United States in the New York Captain of the Port Zone.

(15) *Designated Vessels.* (i) *Definition.* For the purposes of this section, *Designated Vessels* are vessels carrying government officials, dignitaries, or other passengers requiring protection by the U.S. Secret Service, or other Federal, State or local law enforcement agency; barges or ships carrying petroleum products, chemicals, or other hazardous cargo; and passenger vessels (as defined in 46 U.S.C. 2101(22), that are authorized to carry more than 400 passengers and are less than 200 feet in length.

(ii) *Location*. All waters within a 100-yard radius of any Designated Vessel.

(iii) *Enforcement period*. The zone described in paragraph (a)(15) of this section will be activated upon entry of any Designated Vessel into the navigable waters of the United States (see 33 CFR 2.36(a) to include the 12 NM territorial sea) in the New York Captain of the Port Zone. (33 CFR 3.05-30). This zone will remain activated at all times while the Designated Vessel is within the navigable waters of the United States in the New York Captain of the Port Zone. The Designated Vessels, including ships and barges carrying petroleum products, chemicals, and other hazardous cargo will be recognized by the requirement to fly the Bravo flag (red international signal flag under Pub 102, International Code of Signals) from the outermost halyard (above the pilot house) where it can be most easily seen. Vessels that are constrained by draft from leaving the channel may transit through the zone for the sole purpose of direct and expeditious transit so long as they

remain within the navigable channel, maintain the maximum possible safe distance from the Designated Vessel, and do not stop or loiter within the zone. Designated Vessels carrying government officials, dignitaries, or other passengers requiring protection, and passenger vessels authorized to carry more than 400 passengers and are less than 200 feet in length will be recognizable by their being escorted by a federal, state or local law enforcement or security vessel. The law enforcement or security vessel will be identifiable by flashing light, siren, flags, markings and/or through other means that clearly identify the vessel as engaged in law enforcement or security operations.

(16) *134th Street Pipeline Metering and Regulating Station.* (i) *Location.* All waters of the Hudson River within 25 yards of the 134th Street Pipeline Metering and Regulating Station.

(ii) *Regulations*. (A) Vessels not actively engaged in facility maintenance or inspection operations authorized in advance by the Pipeline Security Officer or designated representative, or authorized docking or undocking operations, must not enter within any part of a zone described in paragraph (a)(16) of this section without the express permission of the Coast Guard Captain of the Port, a designated rep-resentative or designated on-scene patrol personnel.

(B) Persons seeking Captain of the Port permission to enter within a particular zone for official business other than authorized passenger, cargo, provision, facility maintenance or inspection, bunker transfer operations or authorized docking or undocking operations may request such authorization by contacting: Commander Coast Guard Sector New York, via the Sector Command Center (SCC), at: 212 Coast Guard Drive, Staten Island, NY 10305, or via fax to (718) 354-4125 or by contacting the Sector Command Center Duty Officer by phone at: (718) 354-4353.

(17) *Waterfront Heliports.* (i) *Location.* All waters on the East River within 25 yards of the East 34th Street and Wall Street Heliports, and all waters of the Hudson River within 25 yards of the West 30th Street Heliport and the Jersey City/ Newport Helistop, areas of land or water under and in immediate proximity to them; buildings on such structures or contiguous to them; and equipment and materials on such structures and in such buildings. When a barge, ferry, or other commercial vessel is conducting transfer operations at a waterfront heliport, the 25-yard zone is measured from the outboard side of the commercial vessel.

(ii) *Regulations.* (A) Vessels not actively engaged in passenger, cargo, provision, facility maintenance or inspection, bunker transfer operations, or docking and undocking operations, authorized in advance by the Facility Security Plan, Facility Security Officer or designated representative, must not enter within any part of a zone described in paragraph (a)(17) of this section without the express permission of the Coast Guard Captain of the Port, a designated representative, or designated on-scene patrol personnel.

(B) Persons seeking Captain of the Port permission to enter within a particular zone for official business other than authorized passenger, cargo, provision, facility maintenance or inspection, bunker transfer operations or authorized docking and undocking operations may request such authorization by contacting: Commander Coast Guard Sector New York, via the Sector Command Center (SCC), at: 212 Coast Guard Drive, Staten Island, NY 10305, or via fax to (718) 354-4125 or by contacting the Sector Command Center Duty Officer by phone at: (718) 354-4353.

(C) Vessels entering or departing the marina north of the Newport Helistop are authorized to transit through the safety/security zone around the Newport Helistop during their transit, provided that helicopters are not taking off or landing. No loitering or unnecessary delay is authorized during these transits.

(FR 2/13/09) 15/09

COAST PILOT 2 38 Ed 2009 Change No. 13

Page 174—Paragraph 131, line 7 to Paragraph 134; read:

Appendix C, for additional information.)

NOAA Data Lighted Buoy 44008 (40°30'09"N., 69°14'48"W.) is about 57 miles south-southeastward of Nantucket Island. This buoy is located inside the traffic separation zone of the traffic separation lanes of "Eastern Approach Off Ambrose" to the "Traffic Separation Scheme Off New York". (See charts 12300 and 13006.)

Nantucket Shoals is made up of the following parts:

(48/08 CG1) 15/09

Page 201—Paragraph 149, line 6; read:

1981, but is subject to shoaling . A private light marks the end of the jetty. **Centerville River**, …

(06/09 CG1) 15/09

Page 201—Paragraph 152, lines 5 to 9; read:

private light marks the end of the east jetty. A seasonal lighted bell buoy about 1 mile southeastward of the entrance marks the approach. Private seasonal buoys mark the channel …

(06/09 CG1; LL/09) 15/09

Page 299—Paragraph 156, lines 13 to 15; read:

Middle Cove, northward of **Thatchbed Island**. In November 2008, the small-boat channel had a reported midchannel

controlling depth of 4½ feet to the marina at the north end of the cove.
(DB 17529) 15/09

Page 314—Paragraph 362, line 2; read:

a least depth of 6 feet, are offshore in the vicinity of …
(CL 359/09) 15/09

Page 314—Paragraph 362; insert after:

Several rocks can be found out to 0.5 mile offshore between Rocky Point and Inlet Point, about 2 miles to the southwest. A wreck with a least depth of 29 feet is 0.4 mile north of Inlet Point.
(CL 359/09) 15/09

Page 314—Paragraph 367, lines 9 to 14; read:

danger. In December 2008, the midchannel controlling depth was 6.4 feet from the entrance to about 0.3 mile above the mouth of Mattituck Creek; thence in 2006-December 2008, 4.2 feet at midchannel for about 1.8 miles to the turning basin at Mattituck with 5.5 to 7 feet available in the basin in 2006. The …
(CL 47/09; BPs 192873-74) 15/09

Page 333—Paragraph 199, lines 4 to 7; read:

Mill Pond. In October 2008, the midchannel controlling depth was 0.7 foot to the boat basin, thence 1.3 feet at midchannel in the basin's north channel and 3.6 feet at midchannel in the basin's south channel; in …
(CL 109/09; BPs 192875-78) 15/09

Page 360—Paragraph 74, lines 4 to 10; read:

The jetties are marked by lights. In March 2008, the midchannel controlling depth was 3.7 feet to the first bend (at Browns River Road); thence in 2005-March 2008, 1.4 feet at midchannel to the upstream limit of the project. In 1976, a …
(CL 74/09; BPs 192869-72) 15/09

Page 372—Paragraph 36; read:

The pilot boat maintains station southeast of the Ambrose Channel Lighted Whistle Buoy A at 40°26'47"N., 73°48'27"W. See Pilotage, New York Harbor and Approaches (indexed as such), this chapter.
(CL 282/09) 15/09

Page 376—Paragraph 128; read:

The pilot boat maintains station southeast of Ambrose Channel Lighted Whistle Buoy A at 40°26'47"N., 73°48'27"W. Vessels making their approach to the pilot station are advised to use extreme caution, particularly in poor visibility. Traffic in this area may consist of vessels making the transition between operating in Ambrose or Sandy Hook Channel and one of the traffic lanes. The pilot boats have a black hull and white superstructure, with the name PILOT NO. 1 or PILOT NO. 2 in yellow on each side and are equipped with AIS and transmit either "PILOT NO. 1" or "PILOT NO. 2". A pilot boat is always on station; boarding is made from smaller boats which are also AIS equipped and broadcast "P/B (name)". The pilot boat monitors VHF-FM channels 16, 13, 73, and works on 73.
(CL 282/09) 15/09

Page 376—Paragraph 131; read:

Vessels are generally boarded in the charted, designated pilot boarding area, located southeast of the Ambrose Channel Lighted Whistle Buoy A at 40°26'47"N., 73°48'27"W. Arrangements for pilot services are made in advance through ship's agents or directly to Interport Pilots Agency, Inc.
(CL 282/09; CL 1236/08) 15/09

Page 390—Paragraph 285, lines 9 to 12; read:

above the jetties. In June 2008, the controlling depth was 1.4 feet. In 1987, the reported controlling …
(CL 35/09; BPs 192863-66) 15/09

COAST PILOT 2 38 Ed 2009 Change No. 14
LAST NM 15/09

Page 307—Paragraph 275, lines 4 to 8; read:

above the mouth. In 2000, the controlling depth was 15.7 feet at midchannel to the Ferry Street Bridge about 0.5 mile above the mouth, thence 8.4 feet at midchannel to the Grand Avenue Bridge.
(CL 48/09; DDs 12980-81) 16/09

Page 316—Paragraph 406; read:

Small-craft facilities in the harbor provide berths and moorings, electricity, gasoline, diesel fuel, water, ice, marine supplies, pumpout facilities, a lift to 10 tons, storage, and hull and motor repairs. The minimum approach and alongside depths to the facilities are 13 feet.
(DB 17540) 16/09

Page 326—Paragraph 105, line 3; read:

Greens Ledge Light. The least found depth is 25 feet. A …
(H 10354; NOS 12368) 16/09

Page 328—Paragraph 131, lines 7 to 8; read:

Great Island, is good for about 9 feet. A rock, covered 4 feet, lies almost in mid-entrance to this …
(H 10565; NOS 12368) 16/09

Page 328—Paragraph 132, lines 4 to 6; read:

mile off the point. Numerous obstructions exist up to 1.2 miles west-southwest of Long Neck Point.
(H 10565; NOS 12368) 16/09

Page 329—Paragraph 142, line 1; read:

A dredged anchorage area with depths of 10 to 18 feet …
(CL 485/03; NOS 12368) 16/09

Page 330—Paragraph 154, line 5; read:

the easterly end of the reefs is covered 2 feet. A buoy …
(NOS 12367) 16/09

Page 336—Paragraph 242; insert after:

City Island, on the northeast side of Eastchester Bay, is narrow and over 1 mile in length. It is thickly settled and has a commercialized appearance. The west side is residential and the east side is industrialized with several shipyards and other marine-related facilities.

Pilotage, City Island

A pilot boat of United New York New Jersey Sandy Hook Pilot Association moors at City Island. See Pilotage, New York Harbor from Long Island Sound (indexed as such), chapter 11.

High Island is 200 yards northeastward of the north end of City Island to which it is connected by a fixed footbridge with a clearance of 11 feet. The ground under the bridge is reported to bare about 1 foot at low water. A 528-foot-high radio tower, marked on top by red lights, is prominent on High Island.

Anchorages

The usual anchorage for deep-draft vessels is southeastward of City Island, southward of a line joining the south ends of Hart and City Islands. When anchoring, avoid **Deep Reef,** a small rocky patch covered 29 feet. Other **general** and **special anchorages** are in the vicinity. (See **110.1, 110.60, and 110.155**, chapter 2, for limits and regulations.)

A long pier in ruins and a wide stone pier, the top of which is used as a parking area, are at the south end of City Island at **Belden Point**. The western shore of Hart Island and the wharves on City Island should be given a berth of about 150 yards.
(DD 9613; NOS 12366) 16/09

Page 337—Paragraphs 246 to 251; strike out.
(H 10541; NOS 12366) 16/09

Page 337—Paragraph 260, lines 1 to 7; read:

In June-July 2008, the midchannel controlling depths were 4.4 feet from Eastchester Bay Channel Lighted Buoy 2 to the Hutchinson River Parkway Bridge, thence 1.2 feet at midchannel to the junction of the East Y and West Y at Pelham, thence 3.2 feet in the entrance to East Y with shoaling to bare in the northern half and shoaling to bare in West Y; mariners are cautioned …
(CL 141/09: BPs 192882-895) 16/09

Page 337—Paragraph 262, lines 1 to 4; read:

The dangers in Eastchester Bay include **Big Tom** on the east side near the entrance, covered 2 feet and marked by a buoy on the east end, and **Cuban Ledge**, covered at half tide and …
(H 10541) 16/09

Page 343—Paragraph 355; read:

A small-craft facility is close eastward of the entrance to the boat basin. Berths and mooring, electricity, gasoline, diesel fuel, water, ice, a pumpout facility, a 15-ton lift, storage, and full repairs are available.
(DB 17537) 16/09

Page 347—Paragraph 419; strike out.
(H 10625; NOS 12366) 16/09

Page 347—Paragraph 422; strike out.
(H 10625; NOS 12366) 16/09

Page 347—Paragraph 424; insert after:

Numerous obstructions exist in East River between Throgs Neck and the entrance to Westchester Creek. Mariners are advised to use the chart as a guide.
(H 10625; NOS 12366) 16/09

Page 363—Paragraph 127, line 4; read:

Island State Park System. A tower is prominent east of Cedar Beach.
(DB 17547) 16/09

Page 366—Paragraph 176, line 5; read:

controlling depth of 5 feet. Barnums Channel, heading west from Garrett Lead, leads to a small-craft facility providing berths, electricity, gasoline, diesel fuel, water, ice, marine supplies, a pumpout facility, a lift to 35 tons, storage, and full repairs. The facility has an approach depth of 17 feet and an alongside depth of 14 feet.
(DB 17516) 16/09

Page 367—Paragraph 185; strike out.
(DB 17516) 16/09

Page 407—Paragraph 137, line 1; read:

A **general anchorage** is just west of Hyde Park. (See ..
(CL 256/04; 33 CFR 110.155) 16/09

Page 409—Paragraph 171; strike out.
(FR 6/19/08; 33 CFR 110.60) 16/09

COAST PILOT 2 38 Ed 2009 Change No. 15
LAST NM 16/09

Page 406—Paragraph 107, line 6; read:

tendency to set toward the rock; caution is advised. The area 800 yards north of Con Hook and along the western shoreline is extremely shallow and dangerous and should be avoided due to a large shoal. When southbound on the Hudson River approaching Con Hook, mariners must take care not to confuse the lights on navigation aids with the lights from the railroad track on the west bank, the lights from bridge in the distance, and other background lighting in general to avoid vessel grounding.

(15/09 CG1) 20/09

COAST PILOT 2 38 Ed 2009 Change No. 16
LAST NM 20/09

Page 45—Paragraph 51, line 1; read:

§70.05-10 Revocation of merchant mariner credential officer endorsement or license.

Every master, pilot, and engineer, or person or persons …

(CL 438/09; FR 3/16/09) 23/09

Page 46—Paragraph 51, line 7; read:

provided in §70.05-5 and shall also have his merchant mariner credential officer endorsement or license revoked …

(CL 438/09; FR 3/16/09) 23/09

Page 97—Paragraph 1683, lines 1 to 2; read:

(4) While underway, does not have at least one deck officer on the navigation bridge who is capable …

(CL 438/09; FR 3/16/09) 23/09

Page 110—Paragraph 1907, line 10; read:

being used.

§162.5 Definitions.

The following definition applies to this part:

Merchant mariner credential or MMC means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.

(CL 438/09; FR 3/16/09) 23/09

Page 115—Paragraph 1985, line 7; read:

at least an engineer with an appropriately endorsed license or merchant mariner credential.

(CL 438/09; FR 3/16/09) 23/09

Page 115—Paragraph 1986, lines 1 to 2; read:

(c) Each tanker must navigate with at least two deck officers with an appropriately endorsed license or merchant mariner credential on watch on the bridge, one of …

(CL 438/09; FR 3/16/09) 23/09

Page 115—Paragraph 1986, lines 4 to 5; read:

required, the second officer, must be an individual holding an appropriately endorsed license or merchant mariner credential and assigned to the vessel as master, mate, or …

(CL 438/09; FR 3/16/09) 23/09

Page 121—Paragraph 2162, line 8; read:

Lambert Lock.

Merchant mariner credential or MMC means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.

(CL 438/09; FR 3/16/09) 23/09

Page 127—Paragraph 2299; read:

(d) List specific areas and their boundaries.

§165.3 Definitions.

The following definitions apply to this part:

Credential means any or all of the following:

(1) Merchant mariner's document.
(2) Merchant mariner's license.
(3) STCW endorsement.
(4) Certificate of registry.
(5) Merchant mariner credential.

Merchant mariner credential or MMC means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves the mariner's qualification document, certificate of identification, and certificate of service.

(CL 438/09; FR 3/16/09) 23/09

Page 164—Paragraph 3287, lines 2 to 4; read:

commerce are required to use a pilot holding a valid MMC or license with appropriate endorsement as a first-class pilot when operating in the navigable …

(CL 438/09; FR 3/16/09) 23/09

Page 175—Paragraph 145, lines 5 to 6; read:

found in the leg of the boot, a depth of ½ fathom …
(13/09 CG1) 23/09

Page 180—Paragraph 201, line 5; read:

available on the internet at https://www.nrlmry.navy.mil/pubs.htm.
(Internet/09) 23/09

Page 387—Paragraph 250, line 7; read:

project depth is 45 feet in the channel and turning basin except a federal project depth of 35 feet around piers 2 and 3.
(CL 536/09) 23/09

Page 403—Paragraph 53; strike out.
(CL 463/09) 23/09

COAST PILOT 2 38 Ed 2009 Change No. 17
LAST NM 23/09

Page 221—Paragraph 124, lines 1 to 2; read:

Buzzards Bay Entrance Light (41°23'49"N., 71°02'05"W.), 67 feet above the water, is shown from a …
(18/09 CG1; 50/08 CG1) 28/09

Page 279—Paragraph 253, lines 5 to 6; read:

across the bay into Pawcatuck River to Westerly. In April-May 2007, the controlling depth was 7.5 feet from the entrance …
(CL 605/09; DD 14126) 28/09

Page 279—Paragraph 253, line 14; read:

a controlling depth of 5.8 feet, thence 7.4 feet to the entrance …
(CL 605/09; DD 14126) 28/09

Page 279—Paragraph 256, lines 2 to 5; read:

Narragansett Bay, is used by small craft. In April–May 2007, the buoyed dredged channel leading to the cove had a controlling depth of 4.5 feet (5.8 feet at midchannel). Depths of 3.8 to 9.4 feet are inside the cove and at the …
(CL 605/09; DD 14126) 28/09

Page 408—Paragraph 144, lines 6 to 9; read:

daybeacons. In September 2008, the controlling depth was 13.9 feet from the entrance to the second highway bridge about 1.1 miles above the mouth, thence 6.6 feet to the southwest end of Gumaer Island, thence 4.8 feet …
(BPs 193146-50) 28/09

Page 408—Paragraph 152, lines 4 to 5; read:

mile above the entrance. In October 2008, the controlling depth was 4.9 feet to the steamboat wharf about 0.7 …
(BP 193151) 28/09

COAST PILOT 2 38 Ed 2009 Change No. 18
LAST NM 28/09

Page 169—Paragraph 39 to Page 172—Paragraph 104; read:

North Atlantic Right Whales

The North Atlantic right whale is one of the world's most endangered large whale species. North Atlantic right whales are found primarily in continental shelf waters between Florida and Nova Scotia. They migrate annually along the east coast between the feeding grounds off New England and Canada and the calving grounds off Florida, Georgia and South Carolina. Because right whales mate, rest, feed and nurse their young at the surface, and often do not move out of the way of oncoming ships, they are highly vulnerable to being struck. Pregnant females and females with nursing calves appear to be particularly vulnerable to collisions with ships. Ship strikes and fishing gear entanglements are the two known sources of human-related mortality. Intentionally approaching within 500 yards of right whales is prohibited and is a violation of federal law. (See **50 CFR 224.103**, chapter 2 for limits, regulations and exceptions.)

Description of North Atlantic right whale: Right whales are large baleen whales. Adults are generally 45 to 55 feet in length and can weigh up to 70 tons. The body is mostly black, but irregularly shaped white patches may be present on the ventral surface. The best field identification marks are a broad back with no dorsal fin, irregular bumpy white patches (callosities) on the head, and a distinctive two-column V-shaped blow when viewed from directly behind or in front of the whale. The whales have broad, paddle-shaped flippers and a broad, deeply notched tail. (See following diagrams and photographs.) Right whales are slow moving and seldom travel faster than 5 or 6 knots. They can stay submerged for 10 to 20 minutes and may appear suddenly when surfacing to breathe. They are often seen alone or in small groups. At times, right whales form large courtship groups of 20 to 30 animals.

Seasonal occurrence of North Atlantic right whales: During seasons and in areas where right whales may occur, vessel operators should maintain a sharp lookout for whales and reduce speeds when consistent with safe navigation. In any given year oceanographic variability may affect the seasonal distribution of right whales. In 1986, right whales were frequently sighted within the Stellwagen Bank National Marine Sanctuary throughout the summer, and in the early spring of 1998 a large number of right whales were documented near the Narragansett/Buzzards Bay Traffic Separation Scheme. Three areas in U.S. waters have been designated as critical habitats for North Atlantic right whales. The northern critical habitats, the Great South Channel (east of Cape Cod) and Cape Cod Bay extending into Massachusetts Bay, are feeding and nursery grounds. The southern critical

habitat, off coastal Florida and Georgia (Sebastian Inlet, Florida to the Altamaha River, Georgia), is a calving area. (See **50 CFR 226.203**, chapter 2 for limits, regulations and exceptions.)

Seasonal occurrence of North Atlantic right whales		
Location	Season	Comments
Central Gulf of Maine (Jordan Basin, Cashes Ledge)	April-June October-December	
Cape Cod Bay	December -May	
Great South Channel, Northern Edge of Georges Bank	March - July	
Bay of Fundy, Scotian Shelf (Browns Bank, Roseway Basin)	July - October	Most of the population can be found in this area during this time
Jeffreys Ledge	October-December	Whales are frequently sighted in this area
Stellwagen Bank National Marine Sanctuary	Year-round	Peak sightings occur in the early spring with infrequent sightings in the summer
New York to North Carolina	November -April	The migration corridor between right whale habitats is within 30 miles of the Atlantic coast
South Carolina, Georgia and Florida Calving Area	November -April	Calving right whales have been sighted as far north as Cape Fear, NC and as far south as Miami, FL with rare sightings in the Gulf of Mexico

Mandatory Speed Restrictions: Vessels 65 feet or greater in length overall (L.O.A.) are subject to mandatory speed restrictions of 10 knots or less in seasonal management areas (SMA) along the U.S. East Coast during times when right whales are likely to be present (See following maps for locations of SMAs). The Northeastern SMA speed restrictions are in place from January 1 through May 15 in Cape Cod Bay, from March 1 through April 30 off Race Point, and from April 1 through July 31 in the Great South Channel. Speed restrictions in the Mid-Atlantic U.S. SMAs are in place from November 1 to April 30 and include Block Island Sound, entry into the Ports of New York/New Jersey, Delaware Bay, Entrance to Chesapeake Bay, and the Ports of Morehead City and Beaufort, NC, and within a continuous boundary approximately 20 nautical miles from shore around the major ports of Wilmington, NC, Charleston, SC and Savannah, GA. Speed restrictions are in place in the Southeastern U.S. SMA from November 15 to April 15; this area extends from shore approximately 30 nautical miles eastward and contains the major ports of Brunswick, GA, Fernandina Beach, FL and Jacksonville, FL. (See **50 CFR 224.105**, chapter 2 for regulations, limitations, and exceptions and complete description of the SMAs.) NOAA Fisheries may also establish voluntary Dynamic Management Areas (DMAs) when right whales are present in areas and times not covered by the SMAs. Information about established DMAs will be announced over NOAA's customary maritime communication media. Mariners are encouraged to avoid or reduce speeds to 10 knots or less while transiting through DMAs.

Area to be avoided

In order to significantly reduce the risk of ship strikes to the North Atlantic right whale, an area to be avoided was established in the Great South Channel, east of the Boston Harbor traffic lanes. Ships of 300 gross tons and above should avoid the area bounded by lines connecting the following geographical positions:

41°44'08"N., 69°34'50"W.;
42°10'00"N., 68°31'00"W.;
41°24'53"N., 68°31'00"W.; and
40°50'28"N., 68°58'40"W. between the period of April 1 through July 31.

Early Warning and Sighting Advisory Systems: As weather and conditions permit, dedicated seasonal programs of aerial and vessel surveys are conducted in the Northeast and Southeast U.S. to provide whale sighting information to mariners. Surveys typically occur in the following locations at the specified times: a) Cape Cod Bay, the Gulf of Maine, the Great South Channel, and Rhode Island, Block Island, and Long Island Sounds from January through July; b) South Carolina/North Carolina border south to Crescent Beach, FL from December through March. Survey planes occasionally use VHF-FM channel 16 to contact ships directly if whales have been spotted in close proximity to that vessel. However, many right whales go undetected by surveys. Seasonal right whale advisories and sighting reports are broadcast periodically for these and surrounding areas by Coast Guard Broadcast Notice to Mariners, NAVTEX, NOAA Weather Radio, Cape Cod Canal Vessel Traffic Control, the Bay of Fundy Vessel Traffic Control, and are included in the return message from the Right Whale Mandatory Ship Reporting (MSR) systems. General sighting information may be ob-

tained by sending an e-mail to ne.rw.sightings@noaa.gov (Northeast) or se.rw.sightings@ noaa.gov (Southeast).

Precautions when transiting right whale habitat and areas of recently reported right whale sightings: NOAA recommends the following precautionary measures be taken to avoid adverse interactions with North Atlantic right whales:

Before entering right whale habitat (See "Seasonal Occurrence" table), check Coast Guard Broadcast Notices to Mariners, NAVTEX, NOAA Weather Radio, Mandatory Ship Reporting (MSR) system, Cape Cod Canal Vessel Traffic Control, the Bay of Fundy Vessel Traffic Control, as well as other sources for recent right whale sighting reports. Local ship pilots also have information on whale sightings and safe local operating procedures.

Review right whale identification materials and maintain a sharp watch with lookouts familiar with spotting whales. Although right whales are large, their dark color and lack of a dorsal fin can make them difficult to spot.

Avoid transiting through the right whale habitats and areas where right whales have recently been sighted. If transiting between ports within critical habitats, minimize transit distance. Route around observed or recently reported right whales and anticipate delays due to prudent seamanship in response to whale sightings. Avoid transits at night or during periods of low visibility.

If a right whale is sighted from the ship or reported along the intended track of the ship, mariners should exercise caution, post a lookout and reduce speed to 10 knots when consistent with safe navigation. If a right whale is sighted, a vessel must steer a course away from the right whale and immediately leave the area at slow safe speed. Do not assume right whales will move out of the way of an approaching vessel. Mariners should keep in mind that it is illegal to approach a right whale closer than 500 yards. (See **50 CFR 224.103**, chapter 2 for limits, regulations and exceptions.)

Any whale accidentally struck, dead whale carcass, and sighting of an injured or entangled whale should be reported immediately to the Coast Guard or NOAA National Marine Fisheries Service noting the precise location, date, and time of the accident or sighting. Call 978-281-9351 for reports to NOAA for the area from Virginia to Maine, or 877-433-8299 for the area from North Carolina to Florida. In the event of a strike or sighting of a dead, injured or entangled whale, the following information should be provided:

location, date, and time of the accident or sighting of a carcass or an entangled whale,

speed and course of the vessel,

vessel specifications such as size and propulsion,

water depth,

environmental conditions such as visibility, wind speed and direction,

description of the impact,

fate of the animal, and

species and size, if known.

Recommended Two-Way Routes to Avoid Whales: To reduce the possibility of vessel strikes with right whales, Two-Way Routes were developed for vessels entering and transiting through Cape Cod Bay and arriving and departing the ports of Brunswick, GA, Fernandina Beach, FL and Jacksonville, FL. The routes were developed from an analysis of historical right whale sightings and are designed to reduce the likelihood of adverse interactions between large vessels and right whales. The routes are found on the latest NOAA Nautical Charts. In July 2007, the northern leg of the Boston Traffic Separation Scheme (TSS) was shifted to direct ship traffic away from an area of high whale density. Use of the modified TSS is expected to considerably reduce the risk of striking a whale.

Mandatory Ship Reporting Systems (MSR) WHALESNORTH and WHALESSOUTH

Mandatory Ship Reporting (MSR) systems require all vessels, 300 gross tons or greater, to report to the U.S. Coast Guard upon entering two designated reporting areas off the east coast of the United States. (See **33 CFR 169**, chapter 2, for limits and regulations.) Sovereign immune vessels are exempt from the requirement to report, but are encouraged to participate.

The two reporting systems will operate independently of each other. The system in the northeastern United States will operate year round and the system in the southeastern United States will operate each year from November 15 through April 15. Reporting ships are only required to make reports when entering a reporting area during a single voyage (that is, a voyage in which a ship is in the area). Ships are not required to report when leaving a port in the reporting area nor when exiting the system.

Mariners should check all MSR messages carefully before transmittal to ensure the message includes the correct address and format. Additional greeting or comments in the message will preclude message receipt by the MSR system. Failure to receive a timely return message from the MSR system that provides locations of recent right whale sightings and precautionary guidance should be reported to the local Marine Safety Office of the U.S. Coast Guard.

Northeastern reporting system/Southeastern reporting system (See **33 CFR 169.105 and 169.115**, chapter 2, for limits.)

Vessels shall make reports in accordance with the format in IMO Resolution A.858 (20) in accordance with the International Convention for the Safety of Life at Sea 1974 (SOLAS 74). (See 33 CFR 169.135 and 169.140, chapter 2, for additional information.) Vessels should report via INMARSAT C or via alternate satellite communications to one of the following addresses:

Email: RightWhale.MSR@noaa.gov or Telex: 48156090.

Vessels not equipped with INMARSAT C or Telex should submit reports to the U.S. Coast Guard's Communication Area Master Station Atlantic (CAMSLANT) via HF voice frequencies on 2182 kHz, 4125 kHz, 6215 kHz, 8291 kHz, 12290 kHz, and 16420 kHz or by calling 1-800-742-8519x0. Vessels equipped only with VHF-FM voice communications should submit reports to the nearest U.S. Coast Guard activity or group.

Example Reports:

WHALESNORTH

WHALESNORTH//
M/487654321//
A/CALYPSO/NRUS//
B/031401Z APR//
E/345//
F/15.5//
H/031410Z APR/4104N/06918W//
I/BOSTON/032345Z APR//
L/WP/4104N/06918W/15.5.//
L/WP/4210N/06952W/15.5//
L/WP/4230N/07006W/15.5//

WHALESSOUTH

WHALESSOUTH//
M/412345678//
A/BEAGLE/NVES//
B/270810Z MAR//
E/250//
F/17.0//
H/270810Z MAR/3030N/08052W//
I/MAYPORT/271215Z MAR//
L/RL/17.0//

(CL 212/09; DD 12622) 29/09

COAST PILOT 2 38 Ed 2009 Change No. 19

Page 189—Paragraph 5, line 18; read:

may exist.

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Cape Cod Bay Seasonal Management Area between January 1 and May 15. The area is defined as all waters of Cape Cod Bay with a northern boundary of 42°41'56.5"N., 70°12’W., to 42°12’N., 70°12'W., thence due west back to shore. The restriction applies to a Seasonal Management Area off Race Point between March 1 and April 30. The area is defined as the waters bounded by:

42°04'56.5"N., 70°12'W.;
42°12'N., 70°12'W.;
42°12'N., 70°30'W.;
42°30'N., 70°30'W.;
42°30"N., 69°45'W.;
41°41'N., 69°45'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

Area to be avoided

In order to significantly reduce the risk of ship strikes to the North Atlantic right whale, an area to be avoided was established in the Great South Channel, east of the Boston Harbor traffic lanes. Ships of 300 gross tons and above should avoid the area bounded by lines connecting the following geographical positions:

41°44'08"N., 69°34'50"W.;
42°10'00"N., 68°31'00"W.;
41°24'53"N., 68°31'00"W.; and
40°50'28"N., 68°58'40"W. between the period of April 1 through July 31.

(CL 212/09; FR 10/10/08) 29/09

Page 365—Paragraph 158, lines 1 to 2; read:

In March 2009, the controlling depth was 11.1 feet in the channel from Point Lookout (40°35.6'N., …

(CL 684/09; BP 193265) 29/09

Page 382—Paragraph 203, lines 13 to 14; read:

bridge. The creek is crossed by three fixed bridges having a least clearance of 3 feet. The ruins of a fourth bridge exist about 0.17 mile above the third bridge in about 40°34'49"N., 73°58'42"W. A boatyard about 0.8 mile …

(DD 9583) 29/09

Page 387—Paragraph 247, line 4; read:

an anchorage basin. In August 2008, depths of 4.4 to 8 feet …

(CL 707/09; BP 193284) 29/09

Page 402—Paragraph 42, lines 5 to 7; read:

supplies and minor engine repairs.

(NOS 12341; H 10938) 29/09

COAST PILOT 2 38 Ed 2009 Change No. 20
LAST NM 29/09

Page 347—Paragraph 425, lines 6 to 9; read:

2.3 miles above the channel entrance. In June 2008, the controlling depths were 2.8 feet at midchannel from the en-

trance to the Bruckner Expressway bascule bridge; thence in September 2007, 6.0 feet (6.5 feet at …
(L 581/09; BPs 193211-17) 32/09

Page 374—Paragraph 92, line 6; read:

has a project depth of 30 feet; numerous obstructions with lesser depths are in the channel. The entrance to Sandy …
(H 11601; DD 13064) 32/09

Page 374—Paragraph 93, lines 1 to 6; read:

Swash Channel is a natural buoyed passage between Ambrose Channel and Sandy Hook Channel. Numerous rocks and obstructions are in the entrance to and within the channel; mariners are advised to use the chart as a guide. A lighted range, the rear …
(H 11709; DD 13167) 32/09

Page 374—Paragraph 94; read:

False Hook Channel, along and close to the eastern shore of Sandy Hook, joins Sandy Hook Channel eastward of the north end of Sandy Hook. Strangers should not use the channel.
(H 11709; DD 13167) 32/09

Page 374—Paragraph 95, line 3; read:

about 16 feet and is unmarked. A shoal area with a least depth of 6 feet is north of the channel in 40°31'55"N., 73°59'00"W.
(H 11601; DD 13064) 32/09

Page 374—Paragraph 104; read:

There are five shoal areas in the entrance to New York Harbor which are subject to change in depths and should be avoided by strangers. **False Hook** is off the northeastern side of Sandy Hook. **Flynns Knoll** is between Swash, Sandy Hook, and Chapel Hill Channels. **Romer Shoal**, between Ambrose and Swash Channels, is marked by Romer Shoal Light; a fog signal is sounded from the light station. **East Bank** is northward and eastward of Ambrose Channel. **West Bank** is westward of Ambrose Channel between West Bank (Range Front) Light and Fort Wadsworth. Numerous rocks and obstructions lie between West Bank and the western limit of Ambrose Channel. The chart is the best guide.
(H 11061; DD 13064) 32/09

Page 378—Paragraph 154, line 4; read:

The inlet is obstructed by a shifting sandbar located about 0.6 mile southeast of the light. A jetty, …
(H 11601; DD 13604) 32/09

Page 378—Paragraph 154, lines 8 to 18; read:

unlighted buoys. The channel has depths of about 18 feet or more at midchannel. The area around Buoy 5 has a least depth of 13 feet. A shoal with depths of less than 1 foot and marked by breakers is west of the entrance channel. Numerous obstructions lie from southeast to southwest of the jetty light. The chart is the best guide.
(H 11601; DD 13064) 32/09

Page 379—Paragraph 155, lines 2 to 5; read:

inlet; the first, in 40°33'03"N., 73°56'42"W., about 0.5 mile north-northwest of Rockaway Point, has a depth of 25 feet. The second is in …
(H 11601; DD 13064) 32/09

Page 380—Paragraph 167, lines 5 to 11; read:

inlet. The channel is marked by buoys. Mariners are advised to follow the buoys through the inlet closely. Two shoal areas are near Plumb Beach Channel Buoy 7. The first is north-northeast of the buoy with a least depth of 2 feet; it extends to midchannel where the least depth is 4 feet. The other is about 0.1 mile southeast of the buoy with a least depth of 2 feet.
(H 11601; DD 13064) 32/09

Page 380—Paragraph 170, line 4; read:

has berths and moorings. Numerous wrecks and obstructions are in the entrance to the bay and in the southwest corner of the marina. The chart is the best guide.
(H 11601; DD 13064) 32/09

Page 382—Paragraph 201, lines 3 to 5; read:

water in Lower Bay to Rockaway Inlet. It is used principally by vessels going to Jamaica Bay and Coney Island. In July 2002, the controlling depth was 11.7 feet. A shoal area with a least depth of 6 feet is about 0.1 mile west of Buoy 3.
(H 11601; DD 13064) 32/09

Page 382—Paragraph 203, lines 8 to 13; read:

the creek; mariners are advised to seek local knowledge before entering. The creek is crossed by three fixed bridges having …
(H 11400; DD 13369) 32/09

COAST PILOT 2 38 Ed 2009 Change No. 21

Page 63—Paragraphs 764 to 784; read:

(d) *Upper Bay*–(1) *Anchorage No. 20–A.* (i) All waters bound by the following points:

40°42'06.9"N., 074°02'18.0"W.; thence to
40°42'05.4"N., 074°01'56.9"W.; thence to
40°41'54.9"N., 074°01'57.7"W.; thence to
40°41'54.0"N., 074°02'12.0"W.; thence to

40°41'54.4"N., 074°02'11.7"W.; thence to
40°41'57.5"N., 074°02'07.5"W.; thence to
40°42'06.1"N., 074°02'19.1"W.; thence to the point of origin (NAD 83).

(ii) See 33 CFR 110.155(d)(6), (d)(16), and (1).

(2) *Anchorage No. 20–B.* (i) All waters bound by the following points:

40°41'46.2"N., 074°02'23.0"W.; thence to
40°41'42.4"N., 074°02'00.5"W.; thence to
40°41'35.7"N., 074°02'02.7"W.; thence to
40°41'30.3"N., 074°02'06.3"W.; thence to
40°41'41.9"N., 074°02'29.2"W.; thence to the point of origin (NAD 83).

(ii) See 33 CFR 110.155(d)(6), (d)(16), and (1).

(3) *Anchorage No. 20–C.* (i) All waters bound by the following points:

40°41'42.4"N., 074°02'41.5"W.; thence to
40°41'25.8"N., 074°02'09.2"W.; thence to
40°41'02.1"N., 074°02'24.7"W.; thence to
40°41'09.4"N., 074°02'40.0"W.; thence to
40°41'13.3"N., 074°02'41.5"W.; thence to
40°41'15.8"N., 074°02'32.6"W.; thence to
40°41'25.3"N., 074°02'29.1"W.; thence to
40°41'33.0"N., 074°02'44.5"W.; thence to
40°41'32.5"N., 074°02'48.0"W.; thence to the point of origin (NAD 83).

(ii) See 33 CFR 110.155(d)(6), (d)(16), and (1).

(FR 6/10/09) 32/09

Page 383—Paragraph 208, line 9; read:

a least depth of 5 feet. Channels have been dredged …
(NOS 12334) 32/09

COAST PILOT 2 38 Ed 2009 Change No. 22

Page 372—Paragraph 36; read:

The pilot boat maintains station approximately 1.5 miles southeast of the Ambrose Channel Lighted Whistle Buoy A. See Pilotage, New York Harbor and Approaches (indexed as such), this chapter.
(CL 882/09) 32/09

Page 374—Paragraph 90, line 3; read:

northward to The Narrows.

Recommended Vessel Tracks, Ambrose Channel

Recommended vessel tracks for coastwise tug and barge vessels approaching from or leaving toward the south and transiting to New York Harbor via Ambrose Channel, while not mandatory, are recommended by the Harbor Safety, Navigation and Operations Committee of the Port of New York as follows:

Tugs Inbound:
40°25'20.5"N., 73°52'57.0"W.;
40°25'48.6"N., 73°52'48.7"W.;
40°26'31.2"N., 73°52'40.2"W.;
40°27'09.2"N., 73°52'38.9"W.;
40°28'05.2"N., 73°52'54.9"W.

Tugs Outbound:
40°28'26.4"N., 73°53'54.2"W.;
40°27'52.4"N., 73°53'42.4"W.;
40°27'32.7"N., 73°53'37.8"W.;
40°27'05.5"N., 73°53'36.0"W.;
40°25'41.2"N., 73°53'34.4"W.;
40°25'22.6"N., 73°53'35.7"W.

Area to be avoided

To avoid the risk of pollution and damage to the environment, all vessels carrying petroleum, dangerous or toxic cargoes, or any other vessel exceeding 1,000 gross tons, should avoid the area enclosed by the following points:

40°25'44.1"N., 73°52'40.6"W.;
40°25'51.2"N., 73°50'51.9"W.;
40°25'28.4"N., 73°50'51.9"W.;
40°24'43.0"N., 73°51'48.2"W.;
40°25'13.9"N., 73°52'40.6"W.
(CL 1022/08; CL 1109/08; CL 882/09) 32/09

Page 376—Paragraph 128; read:

The Sandy Hook pilot vessel maintains station approximately 1.5 miles southeast of the Ambrose Channel Lighted Whistle Buoy A. All traffic passes through a precautionary area transiting to the pilot station. Most vessels choose to approach the pilot station directly since Ambrose Light was disestablished. Traffic within the precautionary area may consist of vessels making the transition between operating in Ambrose or Sandy Hook Channel and one of the traffic lanes. Mariners are advised to exercise extreme care in navigating within this area. The pilot vessels have a black hull and white superstructure, with the name PILOT NO. 1 or PILOT NO. 2 in yellow on each side and are equipped with AIS and transmit either “PILOT NO.1” or “PILOT NO.2” A pilot vessel is always on station; boarding is made from smaller boats which are also AIS equipped and broadcast “P/B (name).” The pilot vessel monitors VHF-FM channels 16, 13, and 73, and works on 73.
(CL 882/09) 32/09

Page 409—Paragraph 158, lines 3 to 4; read:

the mouth. In August 2008, the centerline controlling depth was 6.4 feet to about 100 yards below the highway …
(BPs 193067-68) 32/09

COAST PILOT 2 38 Ed 2009 Change No. 23

Page 373—Paragraph 84, line 6; read:

be contacted via telephone (866) 217-6787 or the …
(CL 922/09) 32/09

Page 382—Paragraph 199; insert after:

Safety and security zones are in the vicinity of John F. Kennedy International Airport, Bergen Basin, and Thurston Basin. (See **165.1 through 165.7, 165.20 through 165.33, and 165.169**, chapter 2, for limits and regulations.)
(33 CFR 165.169) 32/09

Page 423—Paragraph 303, line 304; read:

Boston MA: 1 Batterymarch Park, Quincy, MA 02169-7495.

New York, NY: 201 Varick St., Suite 1151, New York, NY 10014-4870.

Telephone toll-free: 1-888-225-5322; (1-888-CALL-FCC) to report radio communications interference issues.
(Internet/09) 32/09

COAST PILOT 2 38 Ed 2009 Change No. 24
LAST NM 32/09

Page 64—Paragraphs 798 to 803; read:

(7) *Anchorage No. 20-F.* All waters bound by the following points:

40°40'12.2"N., 074°03'39.9"W.; thence to
40°39'53.9"N., 074°03'09.6"W.; thence to
40°39'38.9"N., 074°03'19.5"W.; thence to
40°39'53.5"N., 074°03'53.7"W.; thence to the point of origin (NAD 83).

(i) See 33 CFR 110.155 (d)(9), (d)(16), and (1).
(ii) [Reserved]
(FR 7/1/09) 33/09

Page 263—Paragraph 39, lines 4 to 8; read:

Island Southeast Light. In July 2008, the controlling depths were 13.0 feet at midchannel in the entrance channel, thence 11.5 feet in the basin except shoaling to 2.9 feet within 20 feet of the eastern limit. The inner harbor anchorage area had a controlling depth of 13.6 feet except shoaling to 4.4 feet within 30 feet of the limits. The …
(CL 606/09; DD 14127) 33/09

Page 302—Paragraph 208, lines 9 to 12; read:

December 2008, the controlling depth was 3.3 feet (6.0 feet at midchannel) to the head of the project about 60 yards below the first fixed highway bridge, except shoaling to bare in the eastern half of the channel near Buoy 6. The anchorage basin had a controlling depth of 5.0 feet.
(DD 14133; CL 613/09) 33/09

Page 395—Paragraph 346, line 3; read:

Bay, is 45 feet. (See Notice to Mariners and latest editions …
(CL 633/09; NOS 12333) 33/09

COAST PILOT 3 42 Ed 2009 NEW EDITION
(NOS) 08/09

COAST PILOT 3 42 Ed 2009 Change No. 1
LAST NM 08/09

Page 67—Paragraph 671; read:

(d) The drawspan must always open on signal for public vessels of the United States.
(33 CFR 117.571) 10/09

Page 67—Paragraph 675; read:

(c) Public vessels of the United States must be passed as soon as possible.
(33 CFR 117.573) 10/09

Page 67—Paragraph 683; read:

(a) The drawspans for the State Street Drawbridge, mile 0.3 and the Conrail Drawbridge at North River Avenue, mile 0.9, must open on signal if at least four hours notice is given.
(33 CFR 117.571) 10/09

Page 69—Paragraph 714; read:

(c) The drawspan must open as soon as possible for public vessels of the United States during the periods when four hours notice is required.
(33 CFR 117.571) 10/09

Page 69—Paragraph 724; read:

From December 1 through March 31, the draw need only open if at least four hours notice is given.
(FR 12/30/08) 10/09

Page 71—Paragraph 778; read:

(1) Public vessels of the United States must be passed through the drawspan of each drawbridge as soon as possible without delay at anytime. The opening signal from these vessels is four or more short blasts of a whistle or horn, or a radio request.
(33 CFR 117.571) 10/09

Page 71—Paragraph 781; read:

(b) The drawspans for the SR#543 Drawbridge, mile 1.3 at Riverside and the SR#38 Drawbridge, mile 7.8 at Centerton, must operate as follows:
(33 CFR 117.571) 10/09

Page 76—Paragraph 897; read:

(b) Public vessels of the United States must pass at anytime.

(33 CFR 117.571) 10/09

Page 226—Paragraph 275, line 3; read:

71 feet long, 1,000 feet of berthing space; 13 to 35 feet alongside; …

(CL 1233/08) 10/09

Page 295—Paragraph 87, lines 5 to 7; read:

above the entrance. In July 2008, the controlling depth in the channel to the turning basin had shoaled to 0.7-foot, with 1.8 to 5.7 feet in the turning basin.

(CL 1249/08; BPs 192774-76) 10/09

Page 296—Paragraph 97, lines 4 to 8; read:

above the entrance. In July 2008, the controlling depths were 1.8 feet in the left half of the entrance channel and 0.2 foot in the right half of the entrance channel to Daybeacon H, thence 6 feet to the basin, thence 5.6 feet in the basin. The channel across the bar …

(CL 1246/08; BPs 192766-67; NOS 12235) 10/09

Page 324—Paragraph 58, lines 2 to 4; read:

6.3 miles northwest of Cove Point, had a reported depth of 4 feet in the entrance channel in December 2008; thence in 1998-2004, 7 feet in the small-boat basin. The 600-foot stone jetties on either side …

(50/08 CG5) 10/09

Page 339—Paragraph 56, line 1; read:

Tangier Sound Light (37°47'17"N., 75°58'24"W.), …

(49/08 CG5; LL/07) 10/09

Page 340—Paragraph 75, line 6; read:

76°04'32"W.), 41 feet above the water, is shown from a …

(02/09 CG5; LL/07) 10/09

COAST PILOT 3 42 Ed 2009 Change No. 2
LAST NM 10/09

Page 6—Paragraph 52, line 7; read:

website is http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html.

(NOS/09) 13/09

Page 349—Paragraph 202; read:

A dredged entrance channel leads from deep water in the Choptank River to a turning basin at the mouth of **Cambridge Creek**. Another dredged channel continues from the west corner of the turning basin through Cambridge Creek for about 0.7 mile to a turning basin at the head of the project. Anchorage basins are on each side of the channel about 0.2 mile inside the entrance. In 1991, the controlling depths were 23 feet in the entrance channel and 21 feet in the turning basin. In 1984, the channel through Cambridge Creek had a controlling depth of 11 feet to the turning basin at the head of the project with depths of 9 to 12 feet in the basin; both anchorage basins had depths of 8 to 10 feet.

(CEM-Baltimore/90; NOS 12266; BPs 123786-87) 13/09

Page 378—Paragraph 38, lines 2 to 3; read:

on the internet only at http://www.nauticalcharts.noaa.gov/nsd/distances-ports/.)

(NOS/09) 13/09

COAST PILOT 3 42 Ed 2009 Change No. 3
LAST NM 13/09

Page 186—Paragraph 41, lines 5 to 6; read:

charted. In November 2008, the controlling depth was 3.3 feet in the entrance channel between …

(BP 192914) 21/09

Page 274—Paragraph 197, lines 4 to 6; read:

daybeacons. In August 2008, the controlling depth was 4.9 feet (6.8 feet at midchannel) to Daybeacon 5, thence 2.6 feet (3.5 feet at midchannel) to the head of the project.

(CL 272/09; BPs 192982-84) 21/09

Page 309—Paragraph 64, lines 4 to 5; read:

0.4 mile inside. In August 2008, the controlling depth was 1.9 feet in the right half of the channel and shoals to bare in the left half of the channel with 4.6 to 5.1 feet in the basin. A …

(CL 371/09; DD 13175; DD 13515) 21/09

Page 328—Paragraph 103, line 6; read:

channel. In 1998, shoaling was reported on …

(NOS 12283) 21/09

Page 346—Paragraph 166, lines 7 to 11; read:

Madison, a village at the head of the bay. In May 2008, the controlling depths were 4.6 feet in the east half and 2.7 feet in the west half of the entrance channel, thence 4.8 feet in the turning basin, thence 5.8 feet in the anchorage, thence 1.9 feet in the channel south of the basins.

(CL 317/09; DDs 13473-74) 21/09

Page 347—Paragraph 178, lines 5 to 6; read:

May 2008, the controlling depth was 2.3 feet in the channel, with 5.5 feet in the basin except for shoaling to 3.6 feet …

(CL 310/09; DDs 13462-63) 21/09

COAST PILOT 3 42 Ed 2009 Change No. 4
LAST NM 21/09

Page 69—Paragraph 734, lines 3 to 6; read:

signal but only if at least four hours of notice is given; except from April 1 through October 31, from 7 a.m. to 11 p.m. the draw need only open on the hour.
(FR 4/14/09) 23/09

Page 177—Paragraph 165, line 21; read:

on the internet at https://www.nrlmry.navy.mil/pubs.htm. Additional ...
(Internet/09) 23/09

Page 186—Paragraph 34, lines 3 to 4; read:

Manasquan River. In December 2008, the controlling depth was 9.2 feet in the inlet through the …
(BP 193134) 23/09

Page 256—Paragraph 104, lines 8 to 11; read:

June 2008, the controlling depth was 1.9 feet in the dredged channel, thence 3.9 feet in the basin. A no-wake …
(BPs 192978-81; CL 271/09) 23/09

Page 285—Paragraph 95, lines 6 to 7; read:

ruins. In January 2009, severe shoaling was reported throughout the bend; extreme caution is advised.
(CL 88/09) 23/09

Page 285—Paragraph 99, line 5; read:

now little used; most of the landings are in ruins. In January 2009, severe shoaling was reported throughout the cutoff extreme caution is advised.
(CL 88/09) 23/09

Page 285—Paragraph 102, lines 5 to 7; read:

preferred passage is east of Hatcher Island. In January 2009, it was reported that the passage around Hatcher Island had significant shoaling: extreme caution and local knowledge are advised. A small marine railway at the …
(CL 88/09) 23/09

COAST PILOT 3 42 Ed 2009 Change No. 5
LAST NM 23/09

Page 69—Paragraph 724; read:

(1) From December 1 through March 31, the draw need only open if at least four hours notice is given.
(CL 131/09; FR 12/08/08) 25/09

Page 184—Paragraph 25, lines 3 to 4; read:

jetties. In January 2009, the controlling depth was 9.7 feet (13 feet at midchannel) in the jetty channel to the …
(CL 126/09; BP 192881) 25/09

Page 268—Paragraph 106, line 4; read:

2008, the controlling depth was 11.8 feet (12 feet at …
(CL 303/09; BPs 193009-11) 25/09

Page 284—Paragraph 86, lines 4 to 7; read:

10 miles above the mouth. In April-May 2008, the midchannel controlling depth was 5.9 feet to Daybeacon 14, thence 2 feet at midchannel to about …
(CL 377/09; BPs 193017-30) 25/09

Page 293—Paragraph 65, lines 2 to 5; read:

West Point has a fixed span with a clearance of 55 feet.
(CL 146/09) 25/09

Page 338—Paragraph 44, lines 8 to 10; read:

miles and depths are 8 feet or more all the way. In August 2008, the controlling depth was 2.7 feet to the turning basin, thence 4.3 …
(CL 278/09; BPs 192945-46; BP 192985) 25/09

Page 348—Paragraph 190, lines 3 to 4; read:

Peachblossom Creek, thence in May 2008, there was a midchannel controlling depth of 8.5 feet in the dredged channel to …
(CL 340/09; DDs 13524-28) 25/09

Page 352—Paragraph 246, lines 6 to 8; read:

May 2008, a controlling depth of 5.6 feet was in the channel leading southward from the head of the harbor to a basin with a depth of 4.2 feet at the end of the channel. The …
(CL 338/09; DD 13518) 25/09

Page 374—Paragraph 225, line 8; read:

September 2008, the controlling depth was 10.3 feet to the …
(CL 339/09; DDs 13519-23) 25/09

COAST PILOT 3 42 Ed 2009 Change No. 6
LAST NM 25/09

Page 190—Paragraph 79, lines 2 to 7; read:

miles west of Cape May Inlet. In December 2008, the controlling depth was 15.1 feet through Cape May Inlet to the inner end of the jetties, thence 11.3 feet (14.1 feet at midchannel) to the Coast Guard large wharf on the south side of the harbor; thence shoaling to less than one foot to Schellenger Landing at mouth of …
(BPs 193060-63) 27/09

Page 295—Paragraph 85, lines 4 to 5; read:

the upper part of the harbor. In July 2008, the controlling depth was 4.7 feet (5.2 feet at midchannel) in …
(CL 666/09; BPs 193255-57) 27/09

Page 339—Paragraph 64, lines 5 to 11; read:

Bay. In 1992-July 2008, the midchannel controlling depth was 3.4 feet from Tangier Sound to Tyler Ditch; thence in July 2008, a midchannel controlling depth of 4.7 feet to Ewell, thence a midchannel controlling depth of 6.8 feet from Ewell to Light 15, thence a midchannel controlling depth 1.8 …

(CL 331/09; CL 332/09; CL 333/09; CL 334/09; DDs 13509-13; NOS 12331) 27/09

Page 339—Paragraph 65, lines 3 to 4; read:

miles above the entrance. In April 2008, the controlling depth was 2.2 feet (3.9 at the midchannel) in the …

(CL 336/09; DD 13516) 27/09

Page 346—Paragraph 163, line 3; read:

depths of 3.7 feet over the bar, thence 6 feet to the …

(CL 330/09 DDs 13507-08) 27/09

Page 371—Paragraph 172, lines 6 to 8; read:

mouth. In June 2008, the controlling depth was 6.9 feet (8.5 feet at midchannel) to the anchorage basin, thence 7.6 feet in the basin with lesser depths along the sides.

(CL 318/09; DDs 13475-80) 27/09

COAST PILOT 3 42 Ed 2009 Change No. 7
LAST NM 27/09

Page 127—Paragraph 2125, line 6; read:

16.

§165.556 Regulated Navigation Area; Chesapeake and Delaware Canal, Chesapeake City Anchorage Basin, MD.

(a) *Location.* The following area is a regulated navigation area: All waters of the Chesapeake and Delaware (C&D) Canal within the anchorage basin at Chesapeake City, Maryland, bounded by a line drawn across the entrance to the basin from position 39°31'39.6"N., 075°48'36.5"W, to position 39°31'40.6"N., 075°48'43.3"W. All coordinates refer to NAD 1983.

(b) *Definitions.* For the purposes of this section:

District Commander means the Commander, Fifth Coast Guard District or any Coast Guard commissioned, warrant, or petty officer who has been authorized by the Commander, Fifth Coast Guard District, to act on his or her behalf, or his or her designated representative.

(c) *Regulations.* The general regulations governing regulated navigation areas, found in 33 CFR 165.13, apply to the regulated navigation area described in paragraph (a) of this section.

(1) All vessels and persons are prohibited from entering and accessing this regulated navigation area, except as authorized by the District Commander or his or her designated representative.

(2) Persons or vessels requiring entry into or passage within the regulated navigation area must request authorization from the District Commander or his or her designated representative, by telephone at (410) 576-2693 or by marine band radio on VHF-FM Channel 16 (156.8 MHz), from 12:01 a.m. until 11:59 p.m. on the last Saturday in June, annually. All Coast Guard vessels enforcing this regulated navigation area can be contacted on marine band radio VHF-FM Channel 16 (156.8 MHz).

(3) The operator of any vessel entering or located within this navigation area shall:

(i) Travel at no-wake speed,

(ii) Stop the vessel immediately upon being directed to do so by any commissioned, warrant or petty officer on board a vessel displaying a Coast Guard Ensign, and

(iii) Proceed as directed by any commissioned, warrant or petty officer on board a vessel displaying a Coast Guard Ensign.

(4) All vessels and persons within this regulated navigation area must comply with any additional instructions of the District Commander or the designated representative.

(d) *Enforcement.* The U.S. Coast Guard may be assisted in the patrol and enforcement of the regulated navigation area by any Federal, State, and local agencies.

(e) *Enforcement period.* This section will be enforced from 12:01 a.m. until 11:59 p.m. on the last Saturday in June, annually.

(FR 6/17/09) 30/09

Page 167—Paragraph 36; insert after:

Area to be avoided

In order to significantly reduce the risk of ship strikes to the North Atlantic right whale, an area to be avoided was established in the Great South Channel, east of the Boston Harbor traffic lanes. Ships of 300 gross tons and above should avoid the area bounded by lines connecting the following geographical positions:

41°44'08"N., 69°ý34'50"W.;

42°10'00"N., 68°31'00"W.;

41°24'53"N., 68°31'00"W.; and

40°50'28"N., 68°58'40"W. between the period of April 1 through July 31.

(CL 212/09) 30/09

Page 254—Paragraph 63, lines 4 to 6; read:

Harbor. In July 2007, the controlling depths were 10 feet in the south half and 7 feet in the north half of the approach to the harbor, thence a midchannel controlling depth of 7.5 feet to the …

(CL 503/09; DDs 13938-39) 30/09

Page 296—Paragraph 94, lines 3 to 7; read:

channel marked by a light and daybeaons. In December 2008, the controlling depth was 4.2 feet in the right half of the channel with shoaling to 1.2 feet in the left half to Daybeacon 7, thence 5.1 feet (9.0 feet at midchannel) to Daybeacon 10; inside Jackson Creek, …

(CL 665/09; BPs 193253-54) 30/09

Page 298—Paragraph 126, lines 5 to 6; read:

inside the creek. In December 2008, the controlling depth was 3.1 feet (5.9 feet at midchannel). There are several …

(CL 662/09; BPs 193251-52) 30/09

Page 315—Paragraph 159, lines 10 to 11; read:

controlling depth of 5.6 feet (7.0 feet midchannel) to the wharf and a depth at 5.0 feet shoaling to 2.8 feet at the wharf in August 2008.

(CL 325/09; DD 13499) 30/09

Page 328—Paragraph 104, line 2; read:

1.4 miles above the mouth, has depths of 12 feet in the …

(CL 308/09; DD 13460) 30/09

Page 339—Paragraph 64, lines 5 to 10; read:

Bay. 1992-July 2008, the midchannel controlling depth was 3.4 feet from Tangier Sound to Tyler Ditch; thence in July 2008, a midchannel controlling depth of 4.7 feet to Ewell, thence a midchannel controlling depth of 6.8 feet from Ewell to Light 15, thence a midchannel controlling depth of 1.8 …

(CL 331/09; CL 332/09; CL 333/09;
CL 334/09; DDs 13509-13; NOS 12331) 30/09

Page 341—Paragraph 95, lines 5 to 6; read:

northeast side of the creek. In July 2008, the controlling depth was 2 feet. Goose Creek has considerable …

(CL 313/09; DD 13466) 30/09

COAST PILOT 3 42 Ed 2009 Change No. 8
LAST NM 30/09

Page 76—Paragraphs 896 to 897; read:

§117.1023 Pamunkey River.

The draw of the Eltham Bridge (SR33/30) mile 1.0, located at West Point, Virginia shall open on signal if at least four hours notice is given at all times.

(FR 6/24/09) 32/09

Page 321—Paragraph 12, lines 5 to 6; read:

In December 2008, the controlling depths were 2.1 feet in the entrance channel and 5.5 feet in the basin, thence 5.5 feet in the …

(CL 337/09; DD 13517) 32/09

Page 325—Paragraph 67, lines 4 to 7; read:

just below the fixed highway bridge at **Deale**. In February 2009, the controlling depth was 4.8 feet (6.9 feet at midchannel) to the head of the project. In …

(CL 314/09; DD 13467) 32/09

Page 339—Paragraph 66, lines 2 to 3; read:

Rhodes Point, in April 2008, had a midchannel controlling depth of 1.2 feet. Local fishermen in shallow-draft boats …

(CL 326/09; DDs 13502-03) 32/09

Page 353—Paragraph 267, lines 2 to 4; read:

marked channel, leads from Chester River to Prospect Bay; the chart is the guide. In October 2008, the controlling depth was 5.2 feet (7 feet at midchannel). Very heavy traffic can be expected …

(CL 311/09; DD 13464; NOS 12272) 32/09

Page 355—Paragraph 290, lines 11 to 20; read:

paralleling the waterfront. In June 2008, the controlling depths were 4 feet in the entrance channel; thence 6.2 feet (8 feet at midchannel) in the anchorage basin at the west end of the harbor and channel paralleling the waterfront, thence 7.6 feet in the basin at the east end of the harbor; thence in 1990-June 2008, 8 feet (9 feet at midchannel) in the channel that runs northeast from the entrance to the waterfront. The approach to the harbor is marked by a buoy and …

(CL 328/09; DD 13504) 32/09

Page 385—Paragraphs 296 to 298; read:

Philadelphia, PA: One Oxford Valley Office Bldg., Room 404, 2300 East Lincoln Hwy., Langhorne, PA 19047-1859.

Columbia, MD: 9200 Farm House Lane, Columbia, MD 21046.

Atlanta, GA: 3575 Koger Blvd., Ste. 320, Duluth, GA 30096-4958.

Telephone toll-free: 1-888-225-5322; (1-888-CALL-FCC) to report radio communications interference issues.

(Internet/09) 32/09

COAST PILOT 3 42 Ed 2009 Change No. 9

Page 64—Paragraph 614; read:

(i) From Monday through Friday (except Federal holidays), 5 a.m. to 8 p.m.

(FR 6/30/09) 32/09

Page 285—Paragraph 99, line 5; read:

now little used; most of the landings are in ruins. In January 2009, extreme shoaling was reported throughout the river bend; extreme caution is advised.

(CL 88/09) 32/09

COAST PILOT 3 42 Ed 2009 Change No. 10
LAST NM 32/09

Page 68—Paragraph 696; strike out.

(FR 7/15/09) 33/09

Page 195—Paragraph 36, lines 3 to 4; read:

clearance of 15 feet. (See **117.1 through 117.59**, chapter 2, for drawbridge regulations.) In …

(FR 7/15/09) 33/09

Page 267—Paragraph 90, line 4; read:

the shoal. The …

(28/09 CG5; LL/09) 33/09

Page 347—Paragraph 172, line 3; read:

miles southward of an abandoned lighthouse (38°38'20"N., 76°22'34"W.); the controlling …

(28/09 CG5; LL/09) 33/09

COAST PILOT 4 40 Ed 2008 NEW EDITION

(NOS) 39/08

COAST PILOT 4 40 Ed 2008 Change No. 1
LAST NM 39/08

Page 13—Paragraph 134, line 19; read:

intended for use by the Department of Defense. Please report GPS problems or anomalies at http://www.navcen.uscg.gov/gps/ or contact the USCG Navigation Information Service at 703-313-5900.

(DD 12026) 42/08

Page 200—Paragraph 141; read:

Email: RightWhale.MSR@noaa.gov or
Telex: 48156090

(32/08 CG1) 42/08

COAST PILOT 4 40 Ed 2008 Change No. 2
LAST NM 42/08

Page 184—Paragraph 3200, line 4 to Paragraph 3204; read:

designate.

§334.515 Blount Island Command and Marine Corps Support Facility—Blount Island; Jacksonville, Florida restricted areas.

(a) *The areas*. (1) The restricted areas shall encompass all navigable waters of the United States, as defined at 33 CFR 329, contiguous to the area identified as Blount Island Command and Marine Corps Support Facility–Blount Island (MCSF–BI). The three areas are contiguous but each area is described separately below for clarification.

(2) *Area 1*. Commencing from the shoreline at the northwest portion of the facility, at 30°24'46.10"N., 81°32'19.01"W., thence proceed 200 yards in a northwesterly direction to 30°24'49.84"N., 81°32'23.12"W. From this point the line meanders irregularly, following the shoreline at a distance of 200 yards from the mean high water line to a point 30°23'36.75"N., 81°30'26.42"W., thence southwesterly to a point at 30°23'34.44"N., 81°30'28.80"W., thence west southwesterly to a point at 30°23'33.68"N., 81°30'32.61"W.

(3) *Area 2*. This includes all waters within the area generally identified as the U.S. Marine Corps Slipway but which is also known as the Back River area and the waters out to a distance of 100 yards from the entranceway. From the last point identified in paragraph (a)(2) of this section, 30°23'33.68"N., 81°30'32.61"W., proceed westsouthwesterly to a point at 30°23'30.93"N., 81°30'57.14"W.

(4) *Area 3*. From the last point identified in paragraph (a)(3) of this section, 30°23'30.93"N., 81°30'57.14"W., the line meanders irregularly in a westerly direction, following the shoreline at a distance of 100 yards from the mean high water line to a point at 30°23'26.34"N., 81°31'49.73"W., thence proceed north to terminate at a point on the shoreline at 30°23'29.34"N., 81°31'49.79"W.

(b) *The regulations*. (1) With the exception of local, State and federal law enforcement entities, all persons, vessels, and other craft are prohibited from entering, transiting, anchoring, or drifting within the areas described in paragraph (a) of this section for any reason without the permission of the Commanding Officer, Marine Corps Support Facility–Blount Island, Jacksonville, Florida, or his/her authorized representative.

(2) The restriction noted in paragraph (b)(1) of this section is in effect 24 hours a day, 7 days a week.

(3) Warning signs will be posted near the MCSF–BI shoreline advising boaters of the restrictions in this section.

(c) *Enforcement*. (1) The regulations in this section shall be enforced by the Commanding Officer, Marine Corps Support Facility–Blount Island, Jacksonville, Florida, and/or such persons or agencies as he/she may designate.

(2) Enforcement of the regulations in this section will be accomplished utilizing the Department of Defense Force Protection Condition (FPCON) System. From the lowest security level to the highest, Force Protection Conditions levels are titled Normal, Alpha, Bravo, Charlie and Delta. The regulations in this section will be enforced as

noted in paragraph (b) of this section, or at the discretion of the Commanding Officer.
(FR 09/18/08) 45/08

COAST PILOT 4 40 Ed 2008 Change No. 3
LAST NM 45/08

Page 154—Paragraph 2479; read:

§165.749 Security Zone: Escorted Vessels, Savannah, Georgia, Captain of the Port Zone.

(a) *Definitions.* The following definitions apply to this section:

COTP means Captain of the Port Savannah, GA.

Designated representatives means Coast Guard Patrol Commanders including Coast Guard coxswains, petty officers and other officers operating Coast Guard vessels, and Federal, State, and local officers designated by or assisting the COTP, in the enforcement of the security zone.

Escorted vessel means a vessel, other than a large U.S. naval vessel as defined in 33 CFR 165.2015, that is accompanied by one or more Coast Guard assets or other Federal, State, or local law enforcement agency assets clearly identifiable by lights, vessels markings, or with agency insignia as listed below:

(1) Coast Guard surface or air asset displaying the Coast Guard insignia.

(2) State and/or local law enforcement asset displaying the applicable agency markings and/or equip-ment associated with the agency.

(3) When escorted vessels are moored, dayboards or other visual indications such as lights or buoys may be used. In all cases, broadcast notice to mariners will be issued to advise mariners of these restrictions.

Minimum safe speed means the speed at which a vessel proceeds when it is fully off plane, completely settled in the water and not creating excessive wake. Due to the different speeds at which vessels of different sizes and configurations may travel while in compliance with this definition, no specific speed is assigned to minimum safe speed. In no instance should minimum safe speed be interpreted as a speed less than that required for a particular vessel to maintain steerageway. A vessel is not proceeding at minimum safe speed if it is:

(1) On a plane;

(2) In the process of coming up onto or coming off a plane; or

(3) Creating an excessive wake.

(b) *Regulated Area*. All navigable waters, as defined in 33 CFR 2.36, within the Captain of the Port Zone, Savannah, Georgia 33 CFR 3.35-15.

(c) *Security Zone*. A 300-yard security zone is established around each escorted vessel within the regulated area described in paragraph (b) of this section. This is a moving security zone when the escorted vessel is in transit and becomes a fixed zone when the escorted vessel anchored or moored. A security zone will not extend beyond the boundary of the regulated area in this section.

(d) *Regulations*. (1) The general regulations for security zones contained in §165.33 of this part apply to this section.

(2) A vessel may request the permission of the COTP Savannah or a designated representative to enter the security zone described in paragraph (c) of this section. If permitted to enter the security zone, a vessel must proceed at the minimum safe speed and must comply with the orders of the COTP or a designated representative. No vessel or person may enter the inner 50-yard portion of the security zone closest to the vessel.

(e) *Notice of Security Zone*. The COTP will inform the public of the existence or status of the security zone around escorted vessels in the regulated area by Broadcast Notice to Mariners. Coast Guard assets or other Federal, State or local law enforcement agency assets will be clearly identified by lights, vessels markings, or with agency insignia. When escorted vessels are moored, dayboards or other visual indications such as lights or buoys may be used.

(f) *Contact Information*. The COTP Savannah may be reached via phone at 912-652-4353. Any on scene Coast Guard or designated representative assets may be reached via VHF-FM channel 16.
(FR 09/23/08; FR 07/02/08) 46/08

COAST PILOT 4 40 Ed 2008 Change No. 4
LAST NM 46/08

Page 103—Paragraph 1363, line 2; read:

cannot reach the draw exactly on the hour, the …
(DD 12522; 33 CFR 117.997) 51/08

Page 358—Paragraph 265, line 7; read:

Buoy PE (26°05'30"N., 80°04'46"W.), day or night. The …
(43/08 CG7; LL/07) 51/08

COAST PILOT 4 40 Ed 2008 Change No. 5
LAST NM 51/08

Page 192—Paragraph 3388; insert after:

§224.105 Speed restrictions to protect North Atlantic Right Whales.

(a) The following restrictions apply to: All vessels greater than or equal to 65 ft (19.8 m) in overall length and subject to the jurisdiction of the United States, and all other vessels greater than or equal to 65 ft (19.8 m) in overall length entering or departing a port or place subject to the jurisdic-

tion of the United States. These restrictions shall not apply to U.S. vessels owned or operated by, or under contract to, the Federal Government. This exemption extends to foreign sovereign vessels when they are engaging in joint exercises with the U.S. Department of the Navy. In addition, these restrictions do not apply to law enforcement vessels of a State, or political subdivision thereof, when engaged in law enforcement or search and rescue duties.

(1) *Southeast U.S.*(south of St. Augustine, FL to north of Brunswick, GA): Vessels shall travel at a speed of 10 knots or less over ground during the period of November 15 to April 15 each year in the area bounded by the following: Beginning at 31°27'00.0"N., 80°51'36.0"W.; thence west to charted mean high water line then south along charted mean high water line and inshore limits of COLREGS limit to a latitude of 29°45'00.0"N., thence east to 29°45'00.0"N., 80°51'36.0"W.; thence back to starting point. (Fig. 1).

(2) *Mid-Atlantic U.S.* (from north of Brunswick, Georgia to Rhode Island): Vessels shall travel 10 knots or less over ground in the period November 1 to April 30 each year:

(i) In the area bounded by the following: 33°56' 42.0"N., 77°31'30.0"W.; thence along a NW bearing of **313.26°** True to charted mean high water line then south along mean high water line and inshore limits of COLREGS limit to a latitude of 31°27'00.0"N.; thence east to

31°27'00.0"N., 80°51'36.0"W.; thence to
31°50'00.0"N., 80°33'12.0"W.; thence to
32°59'06.0"N., 78°50'18.0"W.; thence to
33°28'24.0"N., 78°32'30.0"W.; thence to
33°36'30.0"N., 77°47'06.0"W.; thence back to starting point.;

(ii) Within a 20-nm (37 km) radius (as measured seaward from COLRGES delineated coast lines and the center point of the port entrance) (Fig. 2) at the

(A) Ports of New York/New Jersey: 40°29'42.2"N., 73°55'57.6"W.;

(B) Delaware Bay (Ports of Philadelphia and Wilmington): 38°52'27.4"N., 75°01'32.1"W.;

(C) Entrance to the Chesapeake Bay (Ports of Hampton Roads and Baltimore): 37°00'36.9"N., 75° 57'50.5"W.; and

(D) Ports of Morehead City and Beaufort, NC: 34°41'32.0"N., 76°40'08.3"W.; and

(iii) In Block Island Sound, in the area bounded by the following coordinates: Beginning at

40°51'53.7"N., 70°36'44.9"W.; thence to
41°20'14.1"N., 70°49'44.1"W.; thence to
41°04'16.7"N., 71°51'21.0"W.; thence to
40°35'56.5"N., 71°38'25.1"W.; thence back to starting point. (Fig. 2).

(3) *Northeast U.S.* (north of Rhode Island):

(i) *In Cape Cod Bay, MA*: Vessels shall travel at a speed of 10 knots or less over ground during the period of January 1 to May 15 in Cape Cod Bay, in an area beginning at 42°04'56.5"N., 70°12'00.0"W.; thence north to 42°12'00.0"N., 70°12'00.0"W.; thence due west to charted mean high water line; thence along charted mean high water within Cape Cod Bay back to beginning point. (Fig. 3).

(ii) *Off Race Point:* Vessels shall travel at a speed of 10 knots or less over ground during the period of March 1 to April 30 each year in waters bounded by straight lines connecting the following points in the order stated (Fig. 3):

42°30'00.0"N., 69°45'00.0"W.; thence to
42°30'00.0"N., 70°30'00.0"W.; thence to
42°12'00.0"N., 70°30'00.0"W.; thence to
42°12'00.0"N., 70°12'00.0"W.; thence to
42°04'56.5"N., 70°12'00.0"W.; thence along charted mean high water line and inshore limits of COLREGS limit to a latitude of 41°40'00.0"N., thence due east to 41°41'00.0"N., 69°45'00.0"W.; thence back to starting point.

(iii) *Great South Channel:* Vessels shall travel at a speed of 10 knots or less over ground during the period of April 1 to July 31 each year in all waters bounded by straight lines connecting the following points in the order stated (Fig. 3):

42°30'00.0"N., 69°45'00.0"W.
41°40'00.0"N., 69°45'00.0"W.
41°00'00.0"N., 69°05'00.0"W.
42°09'00.0"N., 67°08'24.0"W.
42°30'00.0"N., 67°27'00.0"W.
42°30'00.0"N., 69°45'00.0"W.

(b) Except as noted in paragraph (c) of this section, it is unlawful under this section:

(1) For any vessel subject to the jurisdiction of the United States to violate any speed restriction established in paragraph (a) of this section; or

(2) For any vessel entering or departing a port or place under the jurisdiction of the United States to violate any speed restriction established in paragraph (a) of this section.

(c) A vessel may operate at a speed necessary to maintain safe maneuvering speed instead of the required ten knots only if justified because the vessel is in an area where oceanographic, hydrographic and/or meteorological conditions severely restrict the maneuverability of the vessel and the need to operate at such speed is confirmed by the pilot on

board or, when a vessel is not carrying a pilot, the master of the vessel. If a deviation from the ten-knot speed limit is necessary, the reasons for the deviation, the speed at which the vessel is operated, the latitude and longitude of the area, and the time and duration of such deviation shall be entered into the logbook of the vessel. The master of the vessel shall attest to the accuracy of the logbook entry by signing and dating it.

(d) This final rule expires on December 9, 2013.
(FR 10/10/08) 1/09

COAST PILOT 4 40 Ed 2008 Change No. 6
LAST NM 01/09

Page 197—Paragraphs 107 to 165; read:

North Atlantic Right Whales

The North Atlantic right whale is one of the world's most endangered large whale species. North Atlantic right whales are found primarily in continental shelf waters between Florida and Nova Scotia. They migrate annually along the east coast between the feeding grounds off New England and Canada and the calving grounds off Florida, Georgia and South Carolina. Because right whales mate, rest, feed and nurse their young at the surface, and often do not move out of the way of oncoming ships, they are highly vulnerable to being struck. Pregnant females and females with nursing calves appear to be particularly vulnerable to collisions with ships. Ship strikes and fishing gear entanglements are the two known sources of human-related mortality. Intentionally approaching within 500 yards of right whales is prohibited and is a violation of federal law. (See **50 CFR 224.103,** chapter 2 for limits, regulations and exceptions.)

Description of North Atlantic right whale: Right whales are large baleen whales. Adults are generally 45 to 55 feet in length and can weigh up to 70 tons. The body is mostly black, but irregularly shaped white patches may be present on the ventral surface. The best field identification marks are a broad back with no dorsal fin, irregular bumpy white patches (callosities) on the head, and a distinctive two-column V-shaped blow when viewed from directly behind or in front of the whale. The whales have broad, paddle-shaped flippers and a broad, deeply notched tail. (See following diagrams and photographs.) Right whales are slow moving and seldom travel faster than 5 or 6 knots. They can stay submerged for 10 to 20 minutes and may appear suddenly when surfacing to breathe. They are often seen alone or in small groups. At times, right whales form large courtship groups of 20 to 30 animals.

Seasonal occurrence of North Atlantic right whales: During seasons and in areas where right whales may occur, vessel operators should maintain a sharp lookout for whales and reduce speeds when consistent with safe navigation. In any given year oceanographic variability may affect the seasonal distribution of right whales. In 1986, right whales were frequently sighted within the Stellwagen Bank National Marine Sanctuary throughout the summer, and in the early spring of 1998 a large number of right whales were documented near the Narragansett/Buzzards Bay Traffic Separation Scheme. Three areas in U.S. waters have been designated as critical habitats for North Atlantic right whales. The northern critical habitats, the Great South Channel (east of Cape Cod) and Cape Cod Bay extending into Massachusetts Bay, are feeding and nursery grounds. The southern critical habitat, off coastal Florida and Georgia (Sebastian Inlet, Florida to the Altamaha River, Georgia), is a calving area. (See **50 CFR 226.203**, chapter 2 for limits, regulations and exceptions).

Seasonal occurrence of North Atlantic right whales

Location	Season	Comments
Central Gulf of Maine (Jordan Basin, Cashes Ledge)	December-March	
Cape Cod Bay	December-May	
Great South Channel, Northern Edge of Georges Bank	March - July	
Bay of Fundy, Scotian Shelf (Browns Bank, Roseway Basin)	July - October	Most of the population can be found in this area during this time
Jeffreys Ledge	October-December	Whales are frequently sighted in this area
Stellwagen Bank National Marine Sanctuary	Year-round	Peak sightings occur in the early spring with infrequent sightings in the summer
New York to North Carolina	November-April	The migration corridor between right whale habitats is within 30 miles of the Atlantic coast
South Carolina, Georgia and Florida Calving Area	November-April	Calving right whales have been sighted as far north as Cape Fear, NC and as far south as Miami, FL with rare sightings in the Gulf of Mexico

Mandatory Speed Restrictions: Vessels 65 feet or greater in length overall (L.O.A.) are subject to mandatory speed restrictions of 10 knots or less in seasonal management areas (SMA) along the U.S. East Coast during times when right whales are likely to be present (See following maps for locations of SMAs). The Northeastern SMA speed restrictions are in place from January 1 through May 15 in

Cape Cod Bay, from March 1 through April 30 off Race Point, and from April 1 through July 31 in the Great South Channel. Speed restrictions in the Mid-Atlantic U.S. SMAs are in place from November 1 to April 30 and include Block Island Sound, entry into the Ports of New York/New Jersey, Delaware Bay, Entrance to Chesapeake Bay, and the Ports of Morehead City and Beaufort, NC, and within a continuous boundary approximately 20 nautical miles from shore around the major ports of Wilmington, NC, Charleston, SC and Savannah, GA. Speed restrictions are in place in the Southeastern U.S. SMA from November 15 to April 15; this area extends from shore approximately 30 nautical miles eastward and contains the major ports of Brunswick, GA, Fernandina Beach, FL and Jacksonville, FL. (See **50 CFR 224.105**, chapter 2 for regulations, limitations, and exceptions and complete description of the SMAs.) NOAA Fisheries may also establish voluntary Dynamic Management Areas (DMAs) when right whales are present in areas and times not covered by the SMAs. Information about established DMAs will be announced over NOAA's customary maritime communication media. Mariners are encouraged to avoid or reduce speeds to 10 knots or less while transiting through DMAs.

Early Warning and Sighting Advisory Systems: As weather and conditions permit, dedicated seasonal programs of aerial and vessel surveys are conducted in the Northeast and Southeast U.S. to provide whale sighting information to mariners. Surveys typically occur in the following locations at the specified times: a) Cape Cod Bay, the Gulf of Maine, the Great South Channel, and Rhode Island, Block Island, and Long Island Sounds from January through July; b) South Carolina/North Carolina border south to Crescent Beach, FL from December through March. Survey planes occasionally use VHF-FM channel 16 to contact ships directly if whales have been spotted in close proximity to that vessel. However, many right whales go undetected by surveys. Seasonal right whale advisories and sighting reports are broadcast periodically for these and surrounding areas by Coast Guard Broadcast Notice to Mariners, NAVTEX, NOAA Weather Radio, Cape Cod Canal Vessel Traffic Control, the Bay of Fundy Vessel Traffic Control, and are included in the return message from the Right Whale Mandatory Ship Reporting (MSR) systems. General sighting information may be obtained by sending an e-mail to ne.rw.sightings@noaa.gov (Northeast) or se.rw.sightings@noaa.gov (Southeast).

Precautions when transiting right whale habitat and areas of recently reported right whale sightings:

NOAA recommends the following precautionary measures be taken to avoid adverse interactions with North Atlantic right whales:

Before entering right whale habitat (See "Seasonal Occurrence" table), check Coast Guard Broadcast Notices to Mariners, NAVTEX, NOAA Weather Radio, Mandatory Ship Reporting (MSR) system, Cape Cod Canal Vessel Traffic Control, the Bay of Fundy Vessel Traffic Control, as well as other sources for recent right whale sighting reports. Local ship pilots also have information on whale sightings and safe local operating procedures.

Review right whale identification materials and maintain a sharp watch with lookouts familiar with spotting whales. Although right whales are large, their dark color and lack of a dorsal fin can make them difficult to spot.

Avoid transiting through the right whale habitats and areas where right whales have recently been sighted. If transiting between ports within critical habitats, minimize transit distance. Route around observed or recently reported right whales and anticipate delays due to prudent seamanship in response to whale sightings. Avoid transits at night or during periods of low visibility.

If a right whale is sighted from the ship or reported along the intended track of the ship, mariners should exercise caution, post a lookout and reduce speed to 10 knots when consistent with safe navigation. If a right whale is sighted, a vessel must steer a course away from the right whale and immediately leave the area at slow safe speed. Do not assume right whales will move out of the way of an approaching vessel. Mariners should keep in mind that it is illegal to approach a right whale closer than 500 yards. (See **50 CFR 224.103**, chapter 2 for limits, regulations and exceptions.)

Any whale accidentally struck, dead whale carcass, and sighting of an injured or entangled whale should be reported immediately to the Coast Guard or NOAA National Marine Fisheries Service noting the precise location, date, and time of the accident or sighting. Call 978-281-9351 for reports to NOAA for the area from Virginia to Maine, or 877-433-8299 for the area from North Carolina to Florida. In the event of a strike or sighting of a dead, injured or entangled whale, the following information should be provided:

location, date, and time of the accident or sighting of a carcass or an entangled whale,
speed and course of the vessel,
vessel specifications such as size and propulsion,
water depth,
environmental conditions such as visibility, wind speed and direction,
description of the impact,
fate of the animal, and
species and size, if known.

Recommended Two-Way Routes to Avoid Whales: To reduce the possibility of vessel strikes with right whales, Two-Way Routes were developed for vessels entering and

transiting through Cape Cod Bay and arriving and departing the ports of Brunswick, GA, Fernandina Beach, FL and Jacksonville, FL. The routes were developed from an analysis of historical right whale sightings and are designed to reduce the likelihood of adverse interactions between large vessels and right whales. The routes are found on the latest NOAA Nautical Charts. In July 2007, the northern leg of the Boston Traffic Separation Scheme (TSS) was shifted to direct ship traffic away from an area of high whale density. Use of the modified TSS is expected to considerably reduce the risk of striking a whale.

Mandatory Ship Reporting Systems (MSR) WHALESNORTH and WHALESSOUTH

Mandatory Ship Reporting (MSR) systems require all vessels, 300 gross tons or greater, to report to the U.S. Coast Guard upon entering two designated reporting areas off the east coast of the United States. (See **33 CFR 169**, chapter 2, for limits and regulations.) Sovereign immune vessels are exempt from the requirement to report, but are encouraged to participate.

The two reporting systems will operate independently of each other. The system in the northeastern United States will operate year round and the system in the southeastern United States will operate each year from November 15 through April 15. Reporting ships are only required to make reports when entering a reporting area during a single voyage (that is, a voyage in which a ship is in the area). Ships are not required to report when leaving a port in the reporting area nor when exiting the system.

Mariners should check all MSR messages carefully before transmittal to ensure the message includes the correct address and format. Additional greeting or comments in the message will preclude message receipt by the MSR system. Failure to receive a timely return message from the MSR system that provides locations of recent right whale sightings and precautionary guidance should be reported to the local Marine Safety Office of the U.S. Coast Guard.

Northeastern reporting system/Southeastern reporting system (See **33 CFR 169.105 and 169.115**, chapter 2, for limits.)

Vessels shall make reports in accordance with the format in IMO Resolution A.858 (20) in accordance with the International Convention for the Safety of Life at Sea 1974 (SOLAS 74). (See **33 CFR 169.135 and 169.140**, chapter 2, for additional information.) Vessels should report via INMARSAT C or via alternate satellite communications to one of the following addresses:

Email: RightWhale.MSR@noaa.gov or Telex: 48156090.

Vessels not equipped with INMARSAT C or Telex should submit reports to the U.S. Coast Guard's Communication Area Master Station Atlantic (CAMSLANT) via HF voice frequencies on 2182 kHz, 4125 kHz, 6215 kHz, 8291 kHz, 12290 kHz, and 16420 kHz or by calling 1-800-742-8519x0. Vessels equipped only with VHF-FM voice communications should submit reports to the nearest U.S. Coast Guard activity or group.

Example Reports:

WHALESNORTH

WHALESNORTH//
M/487654321//
A/CALYPSO/NRUS//
B/031401Z APR//
E/345//
F/15.5//
H/031410Z APR/4104N/06918W//
I/BOSTON/032345Z APR//
L/WP/4104N/06918W/15.5.//
L/WP/4210N/06952W/15.5//
L/WP/4230N/07006W/15.5//

WHALESSOUTH

WHALESSOUTH//
M/412345678//
A/BEAGLE/NVES//
B/270810Z MAR//
E/250//
F/17.0//
H/270810Z MAR/3030N/08052W//
I/MAYPORT/271215Z MAR//
L/RL/17.0//

(DD 12622) 2/09

Page 219—Paragraph 12, line 4; read:

Atlantic right whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in Seasonal Management Area existing around the entrance to the Chesapeake Bay and the Ports of Morehead City and Beaufort, North Carolina between November 1 and April 30. The areas are defined as the waters within a 20-nm radius of 37º00'36.9"N., 75º57'50.5"W. (Chesapeake Bay) and 34º41'32.0"N., 76º40'08.3"W. (Morehead City and Beaufort). (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 245—Paragraph 8, line 6; read:

indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in two Seasonal Management Area between November 1 and April 30. The first area, around the Ports of Morehead City and Beaufort, North Carolina, is defined as the waters within a 20-nm radius of 34º41'32.0"N., 76º40'08.3"W. The second is a continuous 20-nm management area running from Wilmington, North Carolina to beyond Savannah, Georgia. The area is defined as the waters contained by the following points:

A: 34º10.5'N., 77º49.2'W.;
B: 33º56.7'N., 77º31.5'W.;
C: 33º36.5'N., 77º47.1'W.;
D: 33º28.4'N., 78º32.5'W.;
E: 32º59.1'N., 78º50.3'W.;
F: 31º50.0'N., 80º33.2'W.;
G: 31º27.0'N., 80º51.6'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 261—Paragraph 10, line 4; read:

North Atlantic right whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a continuous 20-nm Seasonal Management Area between November 1 and April 30. The area is defined as the waters contained by the following points:

A: 34º10.5'N., 77º49.2'W.;
B: 33º56.7'N., 77º31.5'W.;
C: 33º36.5'N., 77º47.1'W.;
D: 33º28.4'N., 78º32.5'W.;
E: 32º59.1'N., 78º50.3'W.;
F: 31º50.0'N., 80º33.2'W.;
G: 31º27.0'N., 80º51.6'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 264—Paragraph 42, line 5; read:

in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a continuous 20-nm Seasonal Management Area between November 1 and April 30. The area is defined as the waters contained by the following points:

A: 34º10.5'N., 77º49.2'W.;
B: 33º56.7'N., 77º31.5'W.;
C: 33º36.5'N., 77º47.1'W.;
D: 33º28.4'N., 78º32.5'W.;
E: 32º59.1'N., 78º50.3'W.;
F: 31º50.0'N., 80º33.2'W.;
G: 31º27.0'N., 80º51.6'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 276—Paragraph 170, line 5; read:

indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a continuous 20-nm Seasonal Management Area between November 1 and April 30. The area is defined as the waters contained by the following points:

A: 34º10.5'N., 77º49.2'W.;
B: 33º56.7'N., 77º31.5'W.;
C: 33º36.5'N., 77º47.1'W.;
D: 33º28.4'N., 78º32.5'W.;
E: 32º59.1'N., 78º50.3'W.;
F: 31º50.0'N., 80º33.2'W.;
G: 31º27.0'N., 80º51.6'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 283—Paragraph 11, line 5; read:

Atlantic right whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a continuous 20-nm Seasonal Management Area between November 1 and April 30. The area is defined as the waters contained by the following points:

A: 34º10.5'N., 77º49.2'W.;
B: 33º56.7'N., 77º31.5'W.;
C: 33º36.5'N., 77º47.1'W.;
D: 33º28.4'N., 78º32.5'W.;
E: 32º59.1'N., 78º50.3'W.;
F: 31º50.0'N., 80º33.2'W.;
G: 31º27.0'N., 80º51.6'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 288—Paragraph 59, line 4; read:

indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a continuous 20-nm Seasonal Management Area between November 1 and April 30. The area is defined as the waters contained by the following points:

A: 34º10.5'N., 77º49.2'W.;
B: 33º56.7'N., 77º31.5'W.;
C: 33º36.5'N., 77º47.1'W.;
D: 33º28.4'N., 78º32.5'W.;
E: 32º59.1'N., 78º50.3'W.;
F: 31º50.0'N., 80º33.2'W.;
G: 31º27.0'N., 80º51.6'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 293—Paragraph 116, line 4; read:

as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in a continuous 20-nm Seasonal Management Area between November 1 and April 30. The area is defined as the waters contained by the following points:

A: 34º10.5'N., 77º49.2'W.;
B: 33º56.7'N., 77º31.5'W.;
C: 33º36.5'N., 77º47.1'W.;
D: 33º28.4'N., 78º32.5'W.;
E: 32º59.1'N., 78º50.3'W.;
F: 31º50.0'N., 80º33.2'W.;
G: 31º27.0'N., 80º51.6'W.; thence due west to the shore. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 299—Paragraph 10, lines 10 to 13; read:

Atlantic right whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.) It is illegal to approach closer than 500 yards of any right whale. (See **50 CFR 224.103(c)**, chapter 2, for limits, regulations, and exceptions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Southeastern United States Seasonal Management Area between November 15 and April 15. The area is defined as the waters bounded to the north by 31º27'N., to the south by 29º45'N., and to the east by 80º51.6'W. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 309—Paragraph 131, lines 2 to 3; read:

have been established in St. Simons Sound to reduce the likelihood of ship strikes of endangered North Atlantic ...

(FR 10/10/08) 2/09

Page 309—Paragraph 131, line 9; read:

whales, indexed as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Southeastern United States Seasonal Management Area between November 15 and April 15. The area is defined as the waters bounded to the north by 31º27'N., to the south by 29º45'N., and to the east by 80º51.6'W. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 314—Paragraph 198, lines 5 to 14; read:

November through April. It is illegal to approach right whales closer than 500 yards. (See **50 CFR 224.103(c)**, chapter 2, for limits, regulations, and exceptions.) **Recommended two-way Whale Avoidance Routes** have been established in Cumberland Sound to reduce the likelihood of ship strikes of endangered North Atlantic right whales. All vessels are encouraged to use recommended routes when traveling into or out of Fernandina Harbor. (See **North Atlantic right whales**, index as such, in chapter 3 for more information on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Southeastern United States Seasonal Management Area between November 15 and April 15. The area is defined as the waters bounded to the north by 31º27'N., to the south by 29º45'N., and to the east by 80º51.6'W. (See 50 **CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)

(FR 10/10/08) 2/09

Page 319—Paragraph 5, lines 10 to 14; read:

entrance to reduce the likelihood of ship strikes of endangered North Atlantic right whales. All vessels are encouraged to use recommended routes when traveling into or out of the port of Jacksonville. (See **North Atlantic right whales**, indexed as such, in chapter 3 for more information

on right whales and recommended measures to avoid collisions.)

All vessels 65 feet or greater in length overall (L.O.A.) and subject to the jurisdiction of the United States are restricted to speeds of 10 knots or less in the Southeastern United States Seasonal Management Area between November 15 and April 15. The area is defined as the waters bounded to the north by 31º27'N., to the south by 29º45'N., and to the east by 80º51.6'W. (See **50 CFR 224.105** in chapter 2 for regulations, limitations, and exceptions.)
(FR 10/10/08) 2/09

COAST PILOT 4 40 Ed 2008 Change No. 7
LAST NM 02/09

Page 225—Paragraph 78, lines 7 to 15; read:

which leads to Pamlico Sound. In August 2007, the midchannel controlling depth in the entrance channel to Silver Lake was 7.7 feet. Teaches Hole Channel is subject to frequent changes; buoys are frequently shifted in position. In October 2007, the controlling depth in Big Foot Slough Channel was 7.4 feet except for shoaling to 4.6 feet along the eastern edge; caution is advised. The channel …
(DD 9837; DD 9864) 8/09

Page 238—Paragraph 245, line 5; read:

the entrance to the creek. Grace Harbor is an artificial basin with an entrance channel that is located about 1.4 miles west of the entrance light on the south side of the creek. A full service marina is located there with transient berths, water, electricity, gasoline, diesel fuel and a launching ramp. In 2009, the approach and alongside depths were reported to be 8 feet. **Pamlico** is a village on the …
(DB 17108) 8/09

COAST PILOT 4 40 Ed 2008 Change No. 8
LAST NM 08/09

Page 6—Paragraph 52, line 7; read:

website is http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html.
(NOS/09) 10/09

Page 43—Paragraph 8, lines 2 to 3; read:

Oceanic and Atmospheric Administration: (50 CFR 222, 224 and 226).
(NOS/09) 10/09

Page 99—Paragraph 1292, lines 2 to 3; read:

Wilmington, need not open for the passage of vessels.
(FR 08/08/08; DD 11912) 10/09

Page 222—Paragraph 40, lines 7 to 8; read:

In August 2008, the controlling depth was 2.3 feet in the channel with 7 feet in the basin.
(DD 11951) 10/09

Page 225—Paragraph 78, lines 7 to 15; read:

which leads to Pamlico Sound. In August 2007, the midchannel controlling depth in the entrance channel to Silver Lake was 7.7 feet. Teaches Hole Channel is subject to frequent changes; buoys are frequently shifted in position. In May 2008, the controlling depth in Big Foot Slough Channel was 3.1 feet; caution is advised. The channel …
(DD 9837; DD 11948) 10/09

Page 249—Paragraph 63, lines 3 to 5; read:

Beaufort. In August 2008, the reported depth to the basin and in the basin was 12 feet.
(DB 17238) 10/09

Page 262—Paragraph 19, lines 9 to 10; read:

the best water, and therefore not charted. In 1998-October 2008, the reported controlling depth in the marked …
(DDs 12908-11) 10/09

Page 284—Paragraph 12, lines 10 to 12; read:

Island.
(DD 12785) 10/09

Page 340—Paragraph 11, lines 3 to 4; read:

Fort Pierce Inlet.
(NOS/09) 10/09

Page 343—Paragraph 47, lines 5 to 10; read:

awash. In May 2008, the controlling depth through the inlet was 5.8 feet (12 feet at midchannel). Safe navigation may be hampered by numerous recreational fishing …
(DDs 12446-50) 10/09

Page 391—Paragraph 86, line 9; read:

storage. In July 2008, the reported approach depth was 6 …
(DB 17124) 10/09

Page 432—Paragraph 39; read:

http://www.nauticalcharts.noaa.gov/nsd/distances-ports/.)
(NOS/09) 10/09

COAST PILOT 4 40 Ed 2008 Change No. 9
LAST NM 10/09

Page 224—Paragraph 69, line 5; read:

1999-September 2008, the controlling depth was 3.2 feet. (For …
(DDs 12552-53; NOS 11555) 11/09

Page 224—Paragraph 69, lines 8 to 11; read:

channel is marked by lights, buoys, and daybeacons. In September 2008, a side channel to the Coast Guard pier and the ferry landing had a controlling depth of 5.4 feet and is marked by …

(DB 12552) 11/09

Page 225—Paragraph 78, lines 7 to 15; read:

which leads to Pamlico Sound. In August 2007, the mid-channel controlling depth in the entrance channel to Silver Lake was 7.7 feet. Teaches Hole Channel is subject to frequent changes; buoys are frequently shifted in position. In October 2008, the controlling depth in Big Foot Slough Channel was 1.8 feet; caution is advised. The channel …

(DD 9837; DD 12550) 11/09

Page 232—Paragraph 173, lines 7 to 8; read:

the bay. In September 2008, the controlling depth was 3.7 feet to the basin, thence 5.7 feet in the basin. The …

(DD 12559) 11/09

Page 232—Paragraph 175, lines 7 to 8; read:

August 2008, there was a controlling depth of 4.9 feet in the channel and 5.4 feet in the basin. The channel approach …

(DD 12555) 11/09

Page 232—Paragraph 179, lines 5 to 6; read:

Inlet. In February 2008, the controlling depth was 5.5 feet in the channel; thence in March …

(DD 12556) 11/09

Page 232—Paragraph 181, lines 5 to 6; read:

Engelhard. In September 2008, the controlling depth was 3.8 feet to the basin, thence 9.4 feet in the basin. The …

(DD 12551) 11/09

Page 241—Paragraph 295, lines 6 to 11; read:

Little Port Brook. In April 2008, the controlling depth was 2.9 feet in the channel; thence in 2001, 5 feet was reported in the basin at Atlantic; thence in April 2008, there was shoaling to less than 1 foot in the channel to the basin and in the basin at Little Port Brook. The basin at Atlantic is used …

(DD 13160) 11/09

Page 250—Paragraph 77, lines 3 to 5; read:

U.S. Route 17 highway bride at Jacksonville. In April-May 2008, the controlling depth was 1.4 feet from the Intracoastal Waterway to Light …

(DD 13135; DD 11952) 11/09

Page 257—Paragraph 191, lines 6 to 11; read:

westward of the lookout tower. In April 2008, the controlling depth was 3.3 feet in the basin, except for depths of 2 feet near the pier at the head. The small-boat harbor, 0.45 mile westward of the lookout tower, has lifts to 75 tons for hull, engine, and electrical repairs. In April 2008, depths of 3 to 6 feet were in the …

(DD 12558) 11/09

Page 392—Paragraph 93, lines 11 to 12; read:

marked. In March 2008, the controlling depth was 2 feet in Causeway Channel, thence 4.7 feet in Money Island …

(DD 13145) 11/09

Page 395—Paragraph 132, line 10; read:

be made. In July 2008, the reported alongside …

(DB 17162) 11/09

Page 395—Paragraph 133, lines 5 to 10; read:

the south side of the waterway at **Mile 347.0**. In July 2008, a depth of 8 feet was reported alongside. Electricity, gasoline, diesel fuel, water, ice, pump-out station, wet storage, and marine supplies are available. A 35-ton mobile hoist is available; hull, engine, and electronic repairs can be made.

(DB 17162) 11/09

COAST PILOT 4 40 Ed 2008 Change No. 10
LAST NM 11/09

Page 232—Paragraph 176, line 6; read:

August 2004, the controlling depth was 1.4 feet, thence 3.5 …

(DD 12549) 12/09

Page 269—Paragraph 91, line 9; read:

prescribes necessary additional regulations.

The entrance to Charleston Harbor is between converging jetties. The north jetty is almost completely submerged at MHW. There are no lights on the jetties and smaller craft approaching from the north close to shore at MHW should exercise extreme caution not to confuse the south jetty for the north jetty. It is recommended all vessels align seaward of Lighted Buoy 18 before final approach to the jetty entrance.

(DD 13263; NOS 11523) 12/09

Page 273—Paragraph 140, lines 3 to 5; read:

submerged. The north jetty is almost completely submerged at MHW from offshore to about 32º44'28"N., 79º49'56"W., thence submerged to shore; caution is advised. Mariners should align seaward of Lighted Buoy 18 on their final approach. An opening in the south …

(DD 13263; NOS 11523) 12/09

Page 280—Paragraph 233, line 8 to Paragraph 234; read:

unlighted ranges.

(DD 13263; NOS 11524) 12/09

COAST PILOT 4 40 Ed 2008 Change No. 11
LAST NM 12/09

Page 222—Paragraph 40, lines 7 to 8; read:

In November 2008, the controlling depth was 2.4 feet in the channel with 5.9 feet in the basin.
(DD 13298) 16/09

Page 253—Paragraph 118, line 1; read:

An overhead power cable with a clearance of 149 …
(CL 356/09; 10/09 CG5) 16/09

Page 301—Paragraph 25, line 13; read:

close northwestward of the bridge. A marina on the W side of the river, close S of the bridge has berths, electricity, gasoline and diesel fuel, water, ice, and some boat repairs.
(DB 17607) 16/09

Page 395—Paragraph 133, lines 3 to 4; read:

water, ice, marine supplies, and wet storage. In January 2009, the reported alongside depth was 10.5 feet. A yacht basin is off …
(DB 17567) 16/09

Page 396—Paragraph 150, lines 3 to 6; read:

electricity, gasoline, water, ice, pumpout, marine supplies, wet storage, and a launching ramp are available. In October 2008, 15 feet was reported in the approach and alongside.
(DB 17345) 16/09

Page 398—Paragraph 180, line 6; read:

In January 2009, the reported alongside and approach depth was 16 feet. The town is described …
(DB 17586) 16/09

Page 399—Paragraph 197, line 4; read:

of the river where berthage with electricity, pump-out, gasoline, …
(DB 17595) 16/09

COAST PILOT 4 40 Ed 2008 Change No. 12
LAST NM 16/09

Page 224—Paragraph 69, line 5; read:

January 2009, the controlling depth was 7.7 feet. (For …
(DDs 13283-84) 18/09

Page 225—Paragraph 78, lines 7 to 15; read:

which leads to Pamlico Sound. In August 2007, the midchannel controlling depth in the entrance channel to Silver Lake was 7.7 feet. Teaches Hole Channel is subject to frequent changes; buoys are frequently shifted in position. In October 2008, the controlling depth in Big Foot Slough Channel was 2.8 feet; caution is advised. The channel …
(DD 9837; DD 13281) 18/09

Page 232—Paragraph 181, lines 5 to 6; read:

Engelhard. In September-November 2008, the midchannel controlling depth was 9.8 feet to the basin, thence 9.4 feet in the basin. The …
(DD 12551; DD 13282) 18/09

Page 278—Paragraph 207, lines 4 to 9; read:

miles above the Battery. In 2001-September 2008, the controlling depth was 14.9 feet to the U.S. Route 17 bascule highway bridges, thence 12.4 feet to the turning basin with 12.9 feet in the turning basin. About 1.0 mile above the U.S. Route 17 …
(DDs 13190-99) 18/09

Page 284—Paragraph 17, lines 7 to 11; read:

with Stono River at **Bird Key**. In June 2008, the controlling depth was 2.2 feet to Buoy 7, thence 3.1 feet to Buoy 19 at the end of the project. The dredged channel is subject to …
(DDs 13204-05) 18/09

Page 375—Paragraph 91, line 10; read:

at an opening at each end. Mariners are advised to navigate with extreme caution as falling and hanging debris exists in the area. The twin bridges northward …
(DD 13553) 18/09

COAST PILOT 4 40 Ed 2008 Change No. 13
LAST NM 18/09

Page 158—Paragraph 2561; read:

(3) Creating an excessive wake.

§165.777 Security Zone; West Basin, Port Canaveral Harbor, Cape Canaveral, Florida.

(a) *Regulated area*. The following area is a security zone: All waters of the West Basin of Port Canaveral Harbor northwest of an imaginary line between two points: 28°24'57.88"N., 80°37'25.69"W. to 28°24'37.48"N., 80°37'34.03"W.

(b) *Requirement.* (1) This security zone will be activated 4 hours prior to the scheduled arrival of a cruise ship at the West Basin of Port Canaveral Harbor during MARSEC Levels 2 and 3 or when the COTP determines there is a specified credible threat during MARSEC Level 1. This security zone will not be deactivated until the departure of all cruise ships from the West Basin. The zone is subject to enforcement when it is activated.

(2) Under general security zone regulations of 33 CFR 165.33, no vessel or person may enter or navigate within the regulated area unless specifically authorized by the COTP or the COTP's designated representative. Any person or vessel authorized to enter the security zone must operate in strict conformance with any direction given by the COTP or a des-

ignated representative and leave the security zone immediately if so ordered.

(3) The public will be notified when the security zone is activated by the display of a red ball on a 50-foot pole located at the east end of Cruise Ship terminal 10. This red ball will be lowered when the security zone is deactivated. To ensure boaters are given sufficient knowledge of the security zone, the Coast Guard will continuously broadcast the activations of the zone and law enforcement vessels will be on scene to inform boaters that the zone has been activated. Vessels encroaching on the security zone will be issued a Public Notice which clearly states the location of the security zone and the times it will be enforced. This will be the boater's first warning prior to enforcement action being taken.

(c) *Definitions.* The following definition applies to this section:

Designated representative means Coast Guard Patrol Commanders including Coast Guard coxswains, petty officers and other officers operating Coast Guard vessels, and federal, state, and local law enforcement officers designated by or assisting the COTP in the enforcement of the security zone.

(d) *Captain of the Port Contact Information*. If you have any questions about this regulation, please contact the Sector Command Center at (904) 564-7513.

(e) *Enforcement periods*. This section will only be subject to enforcement when the security zone described in paragraph (a) is activated as specified in paragraph (b) (1) of this section.

(FR 4/8/09) 20/09

Page 253—Paragraph 118, line 1; read:

An overhead power cable with a clearance of 165 …

(14/09 CG5) 20/09

COAST PILOT 4 40 Ed 2008 Change No. 14
LAST NM 20/09

Page 262—Paragraph 23, lines 11 to 18; read:

daybeaons. In October 2008, the controlling depth was 1.1 feet in the left half the entrance channel with shoaling to bare in the right half at Lighted Buoy 6, thence safe passage is marked by aids to navigation to 33°32'00"N., 79°02'05"W., thence 1.8 feet to the turning basin, thence 2.7 to 5.4 feet in the basin with shoaling to 1.5 feet on the E side of the basin.

(CL 280/09; DDs 13433-36; LL/09) 21/09

Page 278—Paragraph 214, lines 6 to 7; read:

bridge at **Mount Pleasant**. In February 2009, the reported controlling depth was 6.2 feet to the highway bridge.

(CL 348/09; DDs 13560-63) 21/09

Page 307—Paragraph 102; read:

(1) **Transiting the Sidney Lanier (U.S. Route 17) Bridge**: The advice and recommendations of the Brunswick Bar Pilots should be followed by mariners intending to transit the Sidney Lanier Bridge. Specifically:

(CL 691/05; FR 02/07/05) 21/09

Page 308—Paragraph 121; strike out.

(CL 691/05; FR 02/07/05) 21/09

Page 329—Paragraph 133, line 27; read:

clearance of 29 feet at the center. In February 2009, a replacement fixed highway bridge was under construction with a design clearance of 34 feet.

(CL 373/09) 21/09

Page 393—Paragraph 102, lines 2 to 6; read:

depth of 9 feet alongside in February 2009, extends from just north of to just south of the highway bridge at **Mile 260.7**. Gasoline, diesel fuel, water, ice, electricity, pump-out, and some marine supplies may be obtained. Electrical and engine repairs can be made.

(DB 17612) 21/09

Page 393—Paragraph 104, lines 3 to 4; read:

water, ice, and a pump-out station. In February 2009, 8 feet was reported alongside.

(DB 17612) 21/09

Page 395—Paragraph 131, line 5; read:

connect the waterway with Little River Inlet. In December 2008, the controlling depth was 2.9 feet to the …

(CL 243/09; DDs 13375-78) 21/09

Page 396—Paragraph 151, line 5; read:

October 2008, a depth of 10 feet was reported alongside …

(DB 17347) 21/09

Page 396—Paragraph 158, lines 7 to 8; read:

January 2009, the controlling depth was 3.4 feet (6.3 feet at midchannel); thence in 1975, there was 8 feet …

(CL 294/09; DD 13440) 21/09

COAST PILOT 4 40 Ed 2008 Change No. 15
LAST NM 21/09

Page 79—Paragraph 742, line 1; read:

§70.05–10 Revocation of merchant mariner credential officer endorsement or license.

Every master, pilot, and engineer, or person or persons …

(CL 438/09; FR 3/16/09) 24/09

Page 79—Paragraph 742, line 8; read:

merchant mariner credential officer endorsement or license revoked or suspended for a term to be fixed by …
(CL 438/09; FR 3/16/09) 24/09

Page 86—Paragraph 991, line 3; read:

licensed or credentialed deck officer proficient in English, monitoring …
(CL 438/09; FR 3/16/09) 24/09

Page 87—Paragraph 1008, line 3; read:

speaking licensed or credentialed deck officer monitoring VHF-FM …
(CL 438/09; FR 3/16/09) 24/09

Page 113—Paragraph 1631, line 2; read:

deck officer on the navigation bridge who is capable …
(CL 438/09; FR 3/16/09) 24/09

Page 132—Paragraph 1948; read:

(c) Each tanker must navigate with at least two deck officers with an appropriately endorsed license or merchant mariner credential on watch on the bridge, one of whom may be a pilot. In waters where a pilot is required, the second officer, must be an individual holding an appropriately endorsed license or merchant mariner credential and assigned to the vessel as master, mate, or officer in charge of a navigational watch, who is separate and distinct from the pilot.
(CL 438/09; FR 3/16/09) 24/09

Page 225—Paragraph 78, lines 7 to 15; read:

which leads to Pamlico Sound. In August 2007, the midchannel controlling depth in the entrance channel to Silver Lake was 7.7 feet. Teaches Hole Channel is subject to frequent changes; buoys are frequently shifted in position. In October 2008-April 2009, the controlling depth in Big Foot Slough Channel was 2.8 feet; caution is advised. The channel …
(DD 9837; DD 14065; DD 13281) 24/09

Page 232—Paragraph 173, lines 7 to 8; read:

the bay. In March 2009, the controlling depth was 4.7 feet to the basin, thence 5.2 to 8.8 in the basin. The …
(DD 14068) 24/09

Page 232—Paragraph 175, lines 7 to 8; read:

March 2009, there was a controlling depth of 1.7 feet in the channel and 3.2 in the basin. The channel approach …
(DD 14066) 24/09

Page 232—Paragraph 179, lines 5 to 11; read:

Inlet. In March 2009, the midchannel controlling depth was 5.2 feet in the channel, thence 5.7 feet in the basin; shoaling to 1 foot was reported in the northeast part of the basin in 1984. The channel is well marked by lights. The lights were reported to be difficult to distinguish from the background lights on shore; caution is advised, and …
(DD 14067) 24/09

Page 251—Paragraph 89, lines 4 to 5; read:

Intracoastal Waterway; in March 2009, the controlling depth was 4.2 feet with shoaling to 0.4-foot close to Buoy 22; aids mark best water. **Howards Channel** …
(DDs 14071-74) 24/09

Page 251—Paragraph 89, lines 7 to 8; read:

junction with the Intracoastal Waterway; in February 2009, the controlling depth was 2.3 feet. Both …
(DD 14041) 24/09

Page 343—Paragraph 47, lines 5 to 10; read:

awash. In February 2009, the controlling depth through the inlet was 8.1 feet (15 feet at midchannel). Safe navigation may be hampered by numerous recreational fishing …
(DDs 13731-35) 24/09

Page 343—Paragraph 49, lines 6 to 11; read:

marked by buoys. In February 2009, the controlling depth was 5.4 feet (6.6 feet at midchannel); thence in 1986, the midchannel controlling depth in Rockhouse Creek was 7 feet; thence in February 2009, the controlling depth was 5.8 feet to the Intracoastal Waterway by way of Indian …
(DD 13731; DDs 13735-42) 24/09

Page 395—Paragraph 131, lines 4 to 5; read:

connect the waterway with Little River Inlet. In December 2008, the controlling depth was 2.9 feet to the …
(CL 243/09; DDs 13375-78) 24/09

Page 405—Paragraph 299, line 4; read:

depth of 8 feet in March 2009. Marinas in the basin …
(DB 17695) 24/09

COAST PILOT 4 40 Ed 2008 Change No. 16

Page 206—Paragraph 226, lines 5 to 6; read:

and available on the internet at https://www.nrlmry.navy.mil/pubs.htm. The navigational information may be applied …
(Internet/09) 24/09

Page 241—Paragraph 295, lines 6 to 11; read:

Little Port Brook. In March 2009, the controlling depth was 6.3 feet in the channel; thence in 2001, 5 feet was reported in the basin at Atlantic; thence in March 2009, there was shoaling to 1.6 feet in the channel to the basin at Little Port Brook,

thence 4.2 feet was in the basin. The basin at Atlantic is used …
(DD 13814) 24/09

Page 413—Paragraph 410, lines 13 to 16; read:
Okeechobee is unmarked.
(DB 16847) 24/09

Page 414—Paragraph 417, lines 9 to 15; read:
water, ice, a launching ramp, dry storage, pump-out station, marine supplies and provisions can be obtained along both sides of the canal. Engine repairs can be made. Dock space is available along the bulkhead of the Clewiston Industrial Canal south of the levee. In February 2008, 3 feet was reported alongside. An overhead …
(DB 16847) 24/09

Page 414—Paragraph 421, line 3; read:
reported alongside depth of 9 feet in February 2008.
(DB 16847) 24/09

COAST PILOT 4 40 Ed 2008 Change No. 17
LAST NM 24/09

Page 197—Paragraph 107 to Page 200—Paragraph 165; read:

North Atlantic Right Whales

The North Atlantic right whale is one of the world's most endangered large whale species. North Atlantic right whales are found primarily in continental shelf waters between Florida and Nova Scotia. They migrate annually along the east coast between the feeding grounds off New England and Canada and the calving grounds off Florida, Georgia and South Carolina. Because right whales mate, rest, feed and nurse their young at the surface, and often do not move out of the way of oncoming ships, they are highly vulnerable to being struck. Pregnant females and females with nursing calves appear to be particularly vulnerable to collisions with ships. Ship strikes and fishing gear entanglements are the two known sources of human-related mortality. Intentionally approaching within 500 yards of right whales is prohibited and is a violation of federal law. (See **50 CFR 224.103**, chapter 2 for limits, regulations and exceptions.)

Description of North Atlantic right whale: Right whales are large baleen whales. Adults are generally 45 to 55 feet in length and can weigh up to 70 tons. The body is mostly black, but irregularly shaped white patches may be present on the ventral surface. The best field identification marks are a broad back with no dorsal fin, irregular bumpy white patches (callosities) on the head, and a distinctive two-column V-shaped blow when viewed from directly behind or in front of the whale. The whales have broad, paddle-shaped flippers and a broad, deeply notched tail. (See following diagrams and photographs.) Right whales are slow moving and seldom travel faster than 5 or 6 knots. They can stay submerged for 10 to 20 minutes and may appear suddenly when surfacing to breathe. They are often seen alone or in small groups. At times, right whales form large courtship groups of 20 to 30 animals.

Seasonal occurrence of North Atlantic right whales: During seasons and in areas where right whales may occur, vessel operators should maintain a sharp lookout for whales and reduce speeds when consistent with safe navigation. In any given year oceanographic variability may affect the seasonal distribution of right whales. In 1986, right whales were frequently sighted within the Stellwagen Bank National Marine Sanctuary throughout the summer, and in the early spring of 1998 a large number of right whales were documented near the Narragansett/Buzzards Bay Traffic Separation Scheme. Three areas in U.S. waters have been designated as critical habitats for North Atlantic right whales. The northern critical habitats, the Great South Channel (east of Cape Cod) and Cape Cod Bay extending into Massachusetts Bay, are feeding and nursery grounds. The southern critical habitat, off coastal Florida and Georgia (Sebastian Inlet, Florida to the Altamaha River, Georgia), is a calving area. (See **50 CFR 226.203**, chapter 2 for limits, regulations and exceptions.)

Seasonal occurrence of North Atlantic right whales

Location	Season	Comments
Central Gulf of Maine (Jordan Basin, Cashes Ledge)	April-June October-December	
Cape Cod Bay	December -May	
Great South Channel, Northern Edge of Georges Bank	March - July	
Bay of Fundy, Scotian Shelf (Browns Bank, Roseway Basin)	July - October	Most of the population can be found in this area during this time
Jeffreys Ledge	October-December	Whales are frequently sighted in this area
Stellwagen Bank National Marine Sanctuary	Year-round	Peak sightings occur in the early spring with infrequent sightings in the summer

New York to North Carolina	November -April	The migration corridor between right whale habitats is within 30 miles of the Atlantic coast
South Carolina, Georgia and Florida Calving Area	November -April	Calving right whales have been sighted as far north as Cape Fear, NC and as far south as Miami, FL with rare sightings in the Gulf of Mexico

Mandatory Speed Restrictions: Vessels 65 feet or greater in length overall (L.O.A.) are subject to mandatory speed restrictions of 10 knots or less in seasonal management areas (SMA) along the U.S. East Coast during times when right whales are likely to be present (See following maps for locations of SMAs). The Northeastern SMA speed restrictions are in place from January 1 through May 15 in Cape Cod Bay, from March 1 through April 30 off Race Point, and from April 1 through July 31 in the Great South Channel. Speed restrictions in the Mid-Atlantic U.S. SMAs are in place from November 1 to April 30 and include Block Island Sound, entry into the Ports of New York/New Jersey, Delaware Bay, Entrance to Chesapeake Bay, and the Ports of Morehead City and Beaufort, NC, and within a continuous boundary approximately 20 nautical miles from shore around the major ports of Wilmington, NC, Charles-ton, SC and Savannah, GA. Speed restrictions are in place in the Southeastern U.S. SMA from November 15 to April 15; this area extends from shore approximately 30 nautical miles eastward and contains the major ports of Brunswick, GA, Fernandina Beach, FL and Jacksonville, FL. (See **50 CFR 224.105**, chapter 2 for regulations, limitations, and exceptions and complete description of the SMAs.) NOAA Fisheries may also establish voluntary Dynamic Management Areas (DMAs) when right whales are present in areas and times not covered by the SMAs. Information about established DMAs will be announced over NOAA's customary maritime communication media. Mariners are encouraged to avoid or reduce speeds to 10 knots or less while transiting through DMAs.

Area to be avoided

In order to significantly reduce the risk of ship strikes to the North Atlantic right whale, an area to be avoided was established in the Great South Channel, east of the Boston Harbor traffic lanes. Ships of 300 gross tons and above should avoid the area bounded by lines connecting the following geographical positions:

41°44'08"N., 69°34'50"W.;
42°10'00"N., 68°31'00"W.;
41°24'53"N., 68°31'00"W.; and
40°50'28"N., 68°58'40"W. between the period of April 1 through July 31.

Early Warning and Sighting Advisory Systems: As weather and conditions permit, dedicated seasonal programs of aerial and vessel surveys are conducted in the Northeast and Southeast U.S. to provide whale sighting information to mariners. Surveys typically occur in the following locations at the specified times: a) Cape Cod Bay, the Gulf of Maine, the Great South Channel, and Rhode Island, Block Island, and Long Island Sounds from January through July; b) South Carolina/North Carolina border south to Crescent Beach, FL from December through March. Survey planes occasionally use VHF-FM channel 16 to contact ships directly if whales have been spotted in close proximity to that vessel. However, many right whales go undetected by surveys. Seasonal right whale advisories and sighting reports are broadcast periodically for these and surrounding areas by Coast Guard Broadcast Notice to Mariners, NAVTEX, NOAA Weather Radio, Cape Cod Canal Vessel Traffic Control, the Bay of Fundy Vessel Traffic Control, and are included in the return message from the Right Whale Mandatory Ship Reporting (MSR) systems. General sighting information may be obtained by sending an e-mail to ne.rw.sightings@noaa.gov (Northeast) or se.rw.sightings@ noaa.gov (Southeast).

Precautions when transiting right whale habitat and areas of recently reported right whale sightings: NOAA recommends the following precautionary measures be taken to avoid adverse interactions with North Atlantic right whales:

Before entering right whale habitat (See "Seasonal Occurrence" table), check Coast Guard Broadcast Notices to Mariners, NAVTEX, NOAA Weather Radio, Mandatory Ship Reporting (MSR) system, Cape Cod Canal Vessel Traffic Control, the Bay of Fundy Vessel Traffic Control, as well as other sources for recent right whale sighting reports. Local ship pilots also have information on whale sightings and safe local operating procedures.

Review right whale identification materials and maintain a sharp watch with lookouts familiar with spotting whales. Although right whales are large, their dark color and lack of a dorsal fin can make them difficult to spot.

Avoid transiting through the right whale habitats and areas where right whales have recently been sighted. If transiting between ports within critical habitats, minimize transit distance. Route around observed or recently reported right whales and anticipate delays due to prudent seamanship in response to whale sightings. Avoid transits at night or during periods of low visibility.

If a right whale is sighted from the ship or reported along the intended track of the ship, mariners should exercise caution, post a lookout and reduce speed to 10 knots when consistent with safe navigation. If a right whale is sighted, a vessel must steer a course away from the right whale and immediately leave the area at slow safe speed. Do not assume right whales will move out of the way of an approaching vessel. Mariners should keep in mind that it is illegal to approach a right whale closer than 500 yards. (See **50 CFR 224.103**, chapter 2 for limits, regulations and exceptions.)

Any whale accidentally struck, dead whale carcass, and sighting of an injured or entangled whale should be reported immediately to the Coast Guard or NOAA National Marine Fisheries Service noting the precise location, date, and time of the accident or sighting. Call 978-281-9351 for reports to NOAA for the area from Virginia to Maine, or 877-433-8299 for the area from North Carolina to Florida. In the event of a strike or sighting of a dead, injured or entangled whale, the following information should be provided:

location, date, and time of the accident or sighting of a carcass or an entangled whale,
speed and course of the vessel,
vessel specifications such as size and propulsion,
water depth,
environmental conditions such as visibility, wind speed and direction,
description of the impact,
fate of the animal, and
species and size, if known.

Recommended Two-Way Routes to Avoid Whales: To reduce the possibility of vessel strikes with right whales, Two-Way Routes were developed for vessels entering and transiting through Cape Cod Bay and arriving and departing the ports of Brunswick, GA, Fernandina Beach, FL and Jacksonville, FL. The routes were developed from an analysis of historical right whale sightings and are designed to reduce the likelihood of adverse interactions between large vessels and right whales. The routes are found on the latest NOAA Nautical Charts. In July 2007, the northern leg of the Boston Traffic Separation Scheme (TSS) was shifted to direct ship traffic away from an area of high whale density. Use of the modified TSS is expected to considerably reduce the risk of striking a whale.

Mandatory Ship Reporting Systems (MSR) WHALESNORTH and WHALESSOUTH

Mandatory Ship Reporting (MSR) systems require all vessels, 300 gross tons or greater, to report to the U.S. Coast Guard upon entering two designated reporting areas off the east coast of the United States. (See **33 CFR 169**, chapter 2, for limits and regulations.) Sovereign immune vessels are exempt from the requirement to report, but are encouraged to participate.

The two reporting systems will operate independently of each other. The system in the northeastern United States will operate year round and the system in the southeastern United States will operate each year from November 15 through April 15. Reporting ships are only required to make reports when entering a reporting area during a single voyage (that is, a voyage in which a ship is in the area). Ships are not required to report when leaving a port in the reporting area nor when exiting the system.

Mariners should check all MSR messages carefully before transmittal to ensure the message includes the correct address and format. Additional greeting or comments in the message will preclude message receipt by the MSR system. Failure to receive a timely return message from the MSR system that provides locations of recent right whale sightings and precautionary guidance should be reported to the local Marine Safety Office of the U.S. Coast Guard.

Northeastern reporting system/Southeastern reporting system (See **33 CFR 169.105 and 169.115**, chapter 2, for limits.)

Vessels shall make reports in accordance with the format in IMO Resolution A.858 (20) in accordance with the International Convention for the Safety of Life at Sea 1974 (SOLAS 74). (See 33 CFR 169.135 and 169.140, chapter 2, for additional information.) Vessels should report via INMARSAT C or via alternate satellite communications to one of the following addresses:

Email: RightWhale.MSR@noaa.gov or Telex: 48156090.

Vessels not equipped with INMARSAT C or Telex should submit reports to the U.S. Coast Guard's Communication Area Master Station Atlantic (CAMSLANT) via HF voice frequencies on 2182 kHz, 4125 kHz, 6215 kHz, 8291 kHz, 12290 kHz, and 16420 kHz or by calling 1-800-742-8519x0. Vessels equipped only with VHF-FM voice communications should submit reports to the nearest U.S. Coast Guard activity or group.

Example Reports:

WHALESNORTH

WHALESNORTH//
M/487654321//
A/CALYPSO/NRUS//
B/031401Z APR//
E/345//
F/15.5//
H/031410Z APR/4104N/06918W//
I/BOSTON/032345Z APR//
L/WP/4104N/06918W/15.5.//

L/WP/4210N/06952W/15.5//
L/WP/4230N/07006W/15.5//
WHALESSOUTH
WHALESSOUTH//
M/412345678//
A/BEAGLE/NVES//
B/270810Z MAR//
E/250//
F/17.0//
H/270810Z MAR/3030N/08052W//
I/MAYPORT/271215Z MAR//
L/RL/17.0//
(CL 212/09; DD 12622) 29/09

COAST PILOT 4 40 Ed 2008 Change No. 18

Page 279—Paragraph 229, line 4; read:
lighted buoys.
(CL 676/09; NOS 11524) 29/09

Page 410—Paragraph 366; strike out.
(CL 831/83; CL 344/88; NOS 11472) 29/09

Page 426—Paragraph 614, lines 4 to 10; read:
has a fixed span with a clearance of 67 feet. Overhead power cables ….
(CL 754/09) 29/09

COAST PILOT 4 40 Ed 2008 Change No. 19
LAST NM 29/09

Page 222—Paragraph 40, lines 7 to 8; read:
In May 2009, the controlling depth was 3.6 feet in the channel with 6.5 feet in the basin …
(DD 14702) 32/09

Page 252—Paragraph 103, line 5; read:
Waterway. A 452-foot tower is prominent at 34°05.0'N., 77°53.1'W. in the inlet approach. The inlet is subject to continual change and …
(CL 808/09) 32/09

Page 302—Paragraph 33; read:
A marina with a reported depth of 10 feet alongside is at **Fort McAllister**, about 11 miles above the river entrance; gasoline, ice, supplies, transient berths, pump-out, and a 16-ton lift are available.
(DB 17958) 32/09

Page 307—Paragraphs 103 to 105; strike out.
(CL 800/09; CL 691/05; FR 2/7/05) 32/09

Page 307—Paragraph 117, lines 1 to 5; read:
A Federal project provides for a channel 38 feet deep through the bar, thence 36 feet deep in Brunswick River and East River; …
(CL 800/09; CL 223/09) 32/09

Page 308—Paragraph 120, line 3; read:
Hammock Range in about 31°06'27"N., 81°25'53"W. In 2009, this obstruction was reported to be removed.
(CL 800/09) 32/09

Page 309—Paragraph 128, lines 2 to 5; read:
Association, at 8 Glynn Ave. Brunswick, Georgia 31527; telephone 912-280-9464 (24 hours), fax 912-280-9459, e-mail hwynn@brunswickpilots.com. The office monitors VHF-FM channels 12 and 16 between 8:00 a.m. and 5:00 p.m. The Brunswick Coast Guard Station on …
(CL 800/09) 32/09

Page 309—Paragraph 129, line 6; read:
word PILOT on the superstructure. Both boats display the standard …
(CL 800/09) 32/09

Page 309—Paragraph 129, lines 11 to 15; read:
Some delays may be incurred because of seasonal fog. Incoming vessels are requested to …
(CL 800/09) 32/09

Page 309—Paragraph 130, line 3; read:
required.
(CL 800/09) 32/09

Page 309—Paragraph 136; read:
Harbor regulations are under the control of the Georgia Ports Authority, who can be contacted through the port authority office or by telephone at 912-264-7295.
(CL 800/09) 32/09

Page 310—Paragraph 144, lines 5 to 9; read:
can make limited above-the-waterline repairs.
(CL 800/09) 32/09

Page 310—Paragraph 146, lines 1 to 4; read:
The port is served by the CSX, Norfolk, and Southern Railway, several bus and truck lines, and by U.S. Highway Routes 17, 25, and 84. Commercial flights operate out of the Brunswick Golden Isles Airport in Brunswick …
(CL 800/09) 32/09

COAST PILOT 4 (Continued)

Page 361—Paragraph 309, lines 8 to 10; read:

cut opposite the basin. In September 2008, the controlling depth was 10.9 feet through the inlet to the highway bridge, thence 10 feet in the basin and 8 feet in the channels …
(DDs 14576-78) 32/09

Page 407—Paragraph 322, line 7; read:

fixed bridge has a clearance of 36 …
(CL 757/09) 32/09

Page 438—Paragraphs 293 to 295; read:

Atlanta, GA: 3575 Koger Blvd., Ste. 320, Duluth, GA 30096-4958.

Tampa, FL: 2203 N. Lois Ave., Room 1215, Tampa, FL 33607-2356.

Telephone toll-free: 1-888-225-5322; (1-888-CALL-FCC) to report radio communications interference issues.
(Internet/09) 32/09

COAST PILOT 4 40 Ed 2008 Change No. 20
LAST NM 32/09

Page 93—Paragraph 1145; read:

(p) [Reserved]
(FR 7/15/09) 33/09

Page 225—Paragraph 78, lines 7 to 15; read:

which leads to Pamlico Sound. In April 2009, the mid-channel controlling depth in the entrance channel to Silver Lake was 6.1 feet. Teaches Hole Channel is subject to frequent changes; buoys are frequently shifted in position. In May 2009, the controlling depth in Big Foot Slough Channel was 9.9 feet. The channel …
(DDs 14729-30) 33/09

Page 394—Paragraph 116, lines 6 to 7; read:

11.5 miles above Snows Cut. In February 2009, the controlling depth was 3.4 feet (4.6 feet at midchannel) in …
(DD 14424) 33/09

Page 416—Paragraph 463, lines 4 to 6; read:

electricity, pump-out station, ice, marine supplies, and some engine repairs are available. In May 2009, 6 feet was reported alongside. A smaller marina about 0.5 …
(DB 17844) 33/09

COAST PILOT 5 37 Ed 2009 NEW EDITION
(NOS) 25/09

COAST PILOT 5 37 Ed 2009 Change No. 1
LAST NM 25/09

Page 272—Paragraph 278, line 5; read:

Waterway with a clearance of 21 feet. The bridgetender …
(CL 477/09) 26/09

Page 299—Paragraph 241, lines 1 to 2; read:

In Pensacola, the large water tank, a church …
(CL 603/09) 26/09

Page 311—Paragraph 54, lines 4 to 5; read:

daybeacons. In February 2009, the controlling depth was 4.2 feet (4.9 feet at midchannel) from the entrance in Mobile Bay to the …
(CL 453/09) 26/09

Page 311—Paragraph 61, lines 6 to 7; read:

Island Channel to the mouth of Dog River. In March 2009, the controlling depth was 6.7 feet to the highway …
(CL 530/09) 26/09

Page 318—Paragraph 158, lines 11 to 14; read:

the anchorage basin to Dauphin Island Bay. In January 2009, the controlling depth was 4.3 feet (5.8 feet at midchannel) in the entrance channel to the basin, thence 5.7 to 6.5 feet in the basin, thence 3.8 feet (4.5 …
(CL 451/09) 26/09

Page 418—Paragraph 58, line 6; read:

2, for drawbridge regulations.) In April 2009, the bridge was reportedly unable to open and a replacement fixed bridge was under construction with a design clearance of 65 feet. An overhead power cable …
(15/09 CG8; CL 646/09) 26/09

Page 495—Paragraph 285; strike out.
(26/07 CG8) 26/09

COAST PILOT 5 37 Ed 2009 Change No. 2

Page 319—Paragraph 166, line 5; read:

March 2009, the controlling depths were 10.2 feet in the …
(CL 528/09) 26/09

Page 437—Paragraph 309, lines 7 to 9; read:

Clear Creek to the railroad bridge at **League City**. In February 2009, the controlling depth was 7.0 feet in the entrance channel, thence 4.0 feet through Clear Lake, …
(CL 594/09; CO 030/00) 26/09

Page 443—Paragraph 384, lines 2 to 6; read:

in March 2009, had a controlling depth of 10.0 feet to the 69th Street bridge, about 0.8 mile above the Houston Turning Basin, thence 6.0 feet (8.0 feet at midchannel) for about another 3.2 miles to the Jensen Street bridges, thence 4.0 feet (6.0 feet at michannel) …
(CL 594/09; CO 030/00) 26/09

Page 455—Paragraph 59, lines 8 to 9; read:

Intracoastal Waterway. In February 2009, the controlling depth was 3.9 feet (8.7 feet at midchannel) to about …
(CL 594/09; CO 030/00) 26/09

Page 525—Paragraph 342, line 3; read:

for limits and regulations.) In 2009, it was reported that this area is no longer used for Naval weapons practices.
(DB 17759) 26/09

Page 526—Paragraph 354, line 3; read:

chapter 2, for limits and regulations.) In 2009, it was reported that this area is no longer used for Naval weapons practices.
(DB 17759) 26/09

Page 526—Paragraph 355, line 3; read:

limits and regulations.) In 2009, it was reported that this area is no longer used for Naval weapons practices.
(DB 17759) 26/09

Page 530—Paragraph 423, lines 2 to 3; read:

small craft. Fuel, water, electricity, pumpout, repairs, a marina store, and a lift capacity to 100 tons are available among other services. Vessels …
(DB 17759) 26/09

COAST PILOT 5 37 Ed 2009 Change No. 3
LAST NM 26/09

Page 167—Paragraph 2770, line 6; read:

officers of the U.S. Coast Guard.

§165.836 Security Zone; Escorted Vessels, Mobile, Alabama, Captain of the Port.

(a) *Definitions.* The following definitions apply to this section:

COTP means Captain of the Port Mobile, AL.

Designated representatives means Coast Guard Patrol Commanders including Coast Guard coxswains, petty officers and other officers operating Coast Guard vessels, and Federal, State, and local officers designated by or assisting the COTP, in the enforcement of the security zone.

Escorted vessel means a vessel, other than a large U.S. naval as defined in 33 CFR 165.2015, that is accompanied by one or more Coast Guard assets or other Federal, State or local law enforcement agency assets clearly identifiable by flashing lights, vessel markings, or with agency insignia as follows: Coast Guard surface or air asset displaying the Coast Guard insignia. State and/or local law enforcement asset displaying the applicable agency markings and/or equipment associated with the agency. Escorted vessel also means a moored or anchored vessel that was escorted by Coast Guard assets or other Federal, State or local law enforcement agency assets to its present location and is identifiable by the use of day boards or other visual indications such as lights or buoys when law enforcement assets are no longer on-scene.

Minimum safe speed for navigation means the speed at which a vessel proceeds when it is fully off plane, completely settled in the water and not creating excessive wake or surge. Due to the different speeds at which vessels of different sizes and configurations may travel while in compliance with this definition, no specific speed is assigned to minimum safe speed for navigation. In no instance should minimum safe speed be interpreted as speed less than required for a particular vessel to maintain steerageway. A vessel is not proceeding at minimum safe speed if it is:

(1) On a plane;

(2) In the process of coming up onto or coming off a plane; or

(3) Creating an excessive wake or surge.

(b) *Regulated area.* All navigable waters, as defined in 33 CFR 2.36, within the Captain of the Port Zone, Mobile, Alabama, as described in 33 CFR 3.40-10.

(c) *Security zone.* A 500-yard security zone is established around each escorted vessel within the regulated area described in paragraph (b) of this section. This is a moving secuity zone when the escorted vessel is in transit and becomes a fixed zone when the escorted vessel is anchored or moored. A security zone will not extend beyond the boundary of the regulated area in this section.

(d) *Regulations.* (1) The general regulations for security zones contained in §165.33 applies to this section.

(2) A vessel may request the permission of the COTP Mobile or a designated representative to enter the security zone described in paragraph (c) of this section. If permitted to enter the security zone, a vessel must proceed at a minimum safe speed and must comply with the orders of the COTP or a designated representative.

(e) *Notice of security zone.* The COTP will inform the public of the existence or status of security zones around escorted vessels in the regulated area by broadcast notices to mariners, normally issued at approximately 30-minute intervals while the security zones remains in effect. Escorted vessels will be identified by the presence of Coast Guard assets or other Federal, State or local law enforcement agency assets, or the use of day boards or other visual indications such as lights or buoys when the vessels are moored or anchored and law enforcement assets are no longer on-scene, as specified in the definition of escorted vessel in paragraph (a) of this section.

(f) *Contact information.* The COTP Mobile may be reached via phone at (251) 441-6211. Any on scene Coast Guard or designated representative assets may be reached via VHF-FM channel 16.
(FR 5/12/09; 33 CFR 165.836) 27/09

Page 299—Paragraph 232, line 2; read:

have been established in Santa Rosa Sound, The Narrows, and the …
(33 CFR 334.710) 27/09

Page 300—Paragraph 251; read:

A naval **restricted area**, a restricted area, and a seaplane **restricted area** are in Pensacola Bay. (See **334.775, 334.778**, and **334.780**, chapter 2, for limits and regulations.)
(33 CFR 334.775) 27/09

Page 303—Paragraph 286, lines 11 to 14; read:

River. In October 2008-March 2009, the controlling depth was 8.8 feet (10 feet at midchannel) to the Highway 90 Bridge, thence 9.3 feet to Gonzales Lake, thence 3.6 feet (4.3 feet at midchannel) to the Monsanto Dock.
(CL 609/09) 27/09

Page 303—Paragraph 291, line 2; read:

N arm of East Bay. In 2005-August 2008, the …
(DDs 14307-17) 27/09

Page 354—Paragraph 116, line 10; read:

daybeacons. In May 2009, shoaling to 2 feet was reported in the entrance channel near Light 1 and Light 2.
(22/09 CG8) 27/09

Page 393—Paragraph 184, line 1; read:

Point Au Fer Reef Light (29°22'20"N., 91°23'04"W.), …
(22/09 CG8) 27/09

Page 527—Paragraph 370, line 5 to Paragraph 371; read:

are marked with buoys. In 2003, the Navy ceased all active gunnery, bombing, and weapons training activity within the danger area. Unexploded ordinance remains present a hazard; extreme caution is advised.
(DB 17752) 27/09

Page 529—Paragraph 417; read:

Three private marinas at Playa Sardinera, N of Playa de Fajardo, have facilities for small craft. Reported depths of 8 to 12 feet can be taken to the berths inside a 700-foot breakwater that is marked on the seaward end by a light. Gasoline, diesel fuel, water, ice, marine supplies, and pump-out are available.
(DB 17752; Internet/09) 27/09

Page 159—Paragraph 2554, line 4; read:

Radio, Channel 22A (156.8 MHz).

§165.775 Safety Zone; Captain of the Port Zone Jacksonville; Offshore Cape Canaveral, Florida.

(a) *Regulated Area.* (1) Zone (A) is defined by four latitude and longitude corner points. Zone A from the baseline at position 28°45.7'N., 080°42.7'W.; then proceeds northeast to 28°50.1'N., 080°29.9'W.; then proceeds southeast to 28°31.3'N., 080°19.6'W.; then proceeds west back to the baseline at position 28°31.3'N., 080°33.4'W.

(2) Zone (B) is defined by four latitude and longitude corner points. Zone B originates from the baseline at position 28°40.1'N., 080°38.4'W.; then proceeds northeast to 28°48.8'N., 080°28.9'W.; then proceeds southeast to 28°29.7'N., 080°18.9'W.; then proceeds west back to the baseline at position 28°29.7'N., 080°31.6'W.

(3) Zone (C) is defined by four latitude and longitude corner points. Zone C originates from the baseline at position 28°36.2'N., 080°35.3'W.; then proceeds northeast to 28°45.6'N., 080°25.2'W.; then proceeds south to 28°26'N., 080°20.8'W.; then proceeds west back to the baseline at position 28°26'N., 080°34.4'W.

(4) Zone (D) is defined by four latitude and longitude corner points. Zone D originates from the baseline at position 28°31.6'N., 080°34'W.; then proceeds east to 28°31.6'N., 080°20.1'W.; then proceeds south to 28°16.7'N., 080°23.3'W.; then proceeds northwest back to the baseline at position 28°21.6'N., 080°36.1'W.

(b) *Definitions*. The following definitions apply to this section:

Designated representative means Coast Guard Patrol Commanders including Coast Guard coxswains, petty officers and other officers operating Coast Guard vessels, and federal, state, and local officers designated by or assisting the Captain of the Port (COTP) Jacksonville in the enforcement of regulated navigation areas, safety zones and security zones.

(c) *Regulations.* In accordance with the general regulations in §165.23 of this part, anchoring, mooring or transiting in this zone is prohibited unless authorized by the Coast Guard Captain of the Port Jacksonville or his designated representative.

(d) *Notice of a Safety Zone.* The proposed safety zones are temporary in nature and will only be enacted and enforced prior to, and just after a successful launch. The COTP will inform the public of the existence or status of the safety zones(s) by Broadcast Notice to Mariners on VHF-FM channel 16, Public Notice, on-scene presence, and by the

display of a yellow ball from a 90-foot pole near the shoreline at approximately 28°35'00"N., 080°34'36"W., and from a 90-foot pole near the shoreline at approximately 28°25'18"N., 080°35'00"W. Coast Guard assets or other Federal, State, or local law enforcement assets will be clearly identified by lights, markings, or with agency insignia.

(e) *Contact Information.* The COTP Jacksonville may be reached by telephone at (904) 564-7513. Any on-scene Coast Guard or designated representative assets may be reached on VHF-FM channel 16.

(FR 4/1/09) 28/09

COAST PILOT 5 37 Ed 2009 Change No. 5
LAST NM 28/09

Page 301—Paragraph 261, lines 5 to 12; read:

Government. Pilotage is available from Pensacola Bay Pilots, Inc., Post Office Box 2037, Pensacola, FL 32513, telephone 850-434-8163. Pilots board vessels seaward of Pensacola Bay Entrance Lighted Gong Buoy 1, day or night. The black hull and white superstructure 41-foot pilot boat has the word PILOT in blue letters on the hull. The pilot boat monitors VHF-FM channels 14 and 16 from 1 hour prior to the expected arrival of a vessel; works channel 10. Contact …

(Internet/09; NOS/09) 29/09

Page 304—Paragraph 298, lines 15 to 20; read:

approach to the pass. In April 2009, the controlling depth was 7.6 feet in the entrance channel to the intersection of the east and west channels, thence 9 feet in both the east and the west channels, thence 8.2 feet in the crossover channel. In February 2009, …

(DDs 14273-76) 29/09

Page 310—Paragraph 46, lines 6 to 9; read:

at miles 1.6 and 2.5 respectively. In April 2009, the controlling depth was 5.0 feet to Daybeacon 30, thence 3.5 feet to the head of the project, thence 6.3 feet in the former turning basin and 9.4 feet in the latter turning basin.

(DDs 14238-46) 29/09

Page 310—Paragraph 47; read:

South Fork Channel leads S from about 1 mile above the mouth of Bon Secour River for about 1.1 miles to shallow **Oyster Bay**. A fixed highway bridge crossing South Fork Channel limits navigation into Oyster Bay to skiffs only. In November 2008, the controlling depth in the channel was 7.4 feet.

(DDs 14278-81) 29/09

Page 311—Paragraph 58, lines 13 to 14; read:

February 2009, the controlling depth in the channel was 3.8 feet (5.4 feet at midchannel) with 4.3 feet in the turning basin. An overhead …

(DDs 14265-66) 29/09

Page 319—Paragraph 165, lines 8 to 9; read:

bridge. In March 2009, the controlling depth in the channel was 4.4 feet (5.5 feet at midchannel) to the highway bridge; thence in October 2008, 5.0 …

(DDs 14208-12) 29/09

Page 334—Paragraph 342, lines 9 to 14; read:

December 2008-January 2009, the controlling depth was 5.9 feet to the turning basin just inside the mouth, thence 6.4 to 8.0 feet in the turning basin, thence 1.5 feet to the head of the project. Diesel fuel, water, and ice are available at the fuel …

(CL 499/09; DDs 13895-904) 29/09

COAST PILOT 5 37 Ed 2009 Change No. 6
LAST NM 29/09

Page 296—Paragraph 196, line 9; read:

The channel is marked by lights, a lighted buoy, and daybeacons. State …

(24/09 CG8) 31/09

Page 337—Paragraph 378, line 13; read:

mile W of the Mississippi River-Gulf Outlet Canal. In June 2009, Bayou Bienvenue was reported to be completely closed to mariners due to construction until approximately June 2011.

(26/09 CG8) 31/09

Page 340—Paragraph 405, line 7; read:

crossing at the bridges have a minimum reported clearance of 59 feet …

(24/09 CG8) 31/09

Page 353—Paragraph 104, line 2; read:

Mile 232.0, and Head of Passes, Mile 0.0, mariners are directed …

(24/09 CG8) 31/09

Page 353—Paragraph 104, line 8; read:

control. Mariners are also advised to exercise extreme caution when navigating or mooring their vessels in the forebays of Algiers, Harvey, Inner Harbor Navigation Canal, Port Allen and Old River locks to prevent vessels and tows from coming in contact with the controlling levee line in those areas.

(24/09 CG8) 31/09

Page 359—Paragraph 168, lines 9 to 12; read:

feet. A private fog signal is on the bridge. In June 2009, the bridge was reported under continued construction with re-

duced horizontal and vertical clearances. Mariners should continually monitor Marine Safety Bulletins, issued by Coast Guard Sector New Orleans, Waterways Management Division, for updates on the configuration of the platforms under the bridge and the available vertical and horizontal clearances. A Marine Safety Bulletin and current schedule can be obtained by sending a request to U.S. Coast Guard Sector New Orleans at: D08-PF-SECNEWORLEANS WATERWAYS@uscg.mil, or by calling 504-565-5103. These are the only bridges over …
(24/09 CG8) 31/09

Page 381—Paragraph 36, lines 1 to 3; read:

Quatre Bayou Pass is unmarked entering from the SE; caution is advised. Barataria Bay is entered following the SW shore of Bay Ronquille …
(34/07 CG8; NOS 11358) 31/09

Page 403—Paragraph 318, line 1; read:

In January 2009, the controlling depths were 6 …
(DD 14218) 31/09

Page 462—Paragraph 163, line 6; read:

midchannel); thence in September 2006, 13.5 in the basin. The entrance …
(CL 594/09) 31/09

Page 468—Paragraph 266, lines 3 to 4; read:

Kinney Bayou. In April 2007, the controlling depth was 15.0 feet (16.0 feet at midchannel); thence in September 2006, 13.5 …
(CL 594/09) 31/09

COAST PILOT 5 37 Ed 2009 Change No. 7

Page 345—Paragraph 5; strike out.
(24/09 CG8) 31/09

Page 346—Paragraphs 11 to 12; strike out.
(24/09 CG8; NOS 11363; LL/09; 02/06 CG8) 31/09

Page 346—Paragraphs 17 to 21; strike out.
(24/09 CG8) 31/09

Page 346—Paragraph 25, lines 1 to 2; read:

Vessels should approach Southwest Pass and South Pass …
(24/09 CG8) 31/09

Page 347—Paragraphs 29 to 31; read:

The **Mississippi River-Gulf Outlet Canal** project was officially de-authorized in June 2008 and closed to navigation in 2009. Rocks have been placed across the channel at Mile 36.0 and navigational aids below Mile 36.0 have been removed, with exception of MRGO Lighted Buoy 11. Mariners should not attempt to navigate through this area. For further information, visit internet site: http://mrgo.usace.army.mil.
(24/09 CG8; Internet/09; 05/09 CG8; 10/09 CG8; 11/09 CG8; 15/09 CG8; 20/09 CG8) 31/09

Page 347—Paragraph 36, lines 5 to 7; read:

Anchorages E and N of the Mississippi River-Gulf Outlet. (See **166.100 through 166.200**, chapter 2.)
(11/09 CG8; NOS 11363) 31/09

Page 349—Paragraph 58, line 4; read:

passes from a …
(24/09 CG8) 31/09

Page 350—Paragraph 65, lines 13 to 18; read:

trade from Southwest Pass to Baton Rouge.
(24/09 CG8) 31/09

Page 350—Paragraph 68, lines 3 to 6; read:

passes, depending on the weather. The **Associated** …
(24/09 CG8; 11/09 CG8; Internet/09) 31/09

Page 350—Paragraph 69, lines 7 to 8; read:

Lighted Bell Buoy 2 or the Southwest Pass Entrance Lighted Buoy SW. If the original ETA …
(02/06 CG8; NOS 11363) 31/09

Page 350—Paragraph 69, lines 28 to 30; read:

New Orleans.
(11/09 CG8; 24/09 CG8) 31/09

Page 358—Paragraph 153, lines 2 to 6; read:

Port of New Orleans are in the river and the Inner Harbor Navigation Canal. (See Channels at the beginning of this chapter.) Secondary …
(24/09 CG8) 31/09

COAST PILOT 5 37 Ed 2009 Change No. 8

Page 260—Paragraph 114; insert after:

Manatee County Port Authority Berth No. 12 (27°37'54"N., 82°33'50"W.): 1,000 feet of berthing space; 20 feet reported alongside; receipt and shipment of conventional general cargo; receipt of lumber, fruits, and vegetables; operated by Manatee County Port Authority.
(PS 17/06; Internet/09; NOS/09) 31/09

Page 260—Paragraph 121; insert after:

Manatee County Port Authority Berth No. 4: (just N of Berth No. 5); 600 feet of berthing space; 40 feet alongside; deck height, 8 feet.
(NOS/09) 31/09

Page 319—Paragraph 166, lines 5 to 9; read:

October 2008-March 2009, the controlling depths were 10.2 feet in the entrance channel to the mouth of the bayou, thence 12.5 feet (14 feet at midchannel) to the turning basin, and 14 feet in the basin, thence 9.7 feet (13.9 feet at midchannel) to the highway bridge. The channel is marked …
(DDs 14230-37) 31/09

Page 582—Paragraphs 396 to 399; read:

Tampa, FL: 2203 N. Lois Ave., Room 1215, Tampa, FL 33607-2356.

New Orleans, LA: 2424 Edenborn Ave., Suite 460, Metairie, LA 70001.

Dallas, TX: 9330 LBJ Freeway, Room 1170, Dallas, TX 75243-3429.

Telephone toll-free: 1-888-225-5322; (1-888-CALL-FCC) to report radio communications interference issues.
(Internet/09) 31/09

COAST PILOT 5 37 Ed 2009 Change No. 9
LAST NM 31/09

Page 254—Paragraph 21, line 4; read:

(See **165.1 through 165.13, 165.752,** …
(33 CFR 165.709) 32/09

Page 259—Paragraph 103, line 4; read:

2000, a reported depth of 4 feet was available in …
(NOS 11415) 32/09

Page 260—Paragraph 121; insert after:

Manatee County Port Authority Berth No. 4 (27°38'16"N., 82°33'47"W.): 600 feet of berthing space; 40 feet alongside; deck height, 8 feet.
(NOS/09) 32/09

Page 261—Paragraph 130, line 3; read:

project depth for the channel is 32 feet from the ship …
(DDs 14893-901) 32/09

Page 262—Paragraph 135, lines 4 to 8; read:

dredged channel. In 1999, a controlling depth of 7 feet (13 feet at midchannel) was reported in the channel and a controlling depth of 6 feet was reported in the basin.
(LL/09; NOS 11416; CL 666/99) 32/09

Page 262—Paragraph 138, lines 2 to 4; read:

the Port Sutton Entrance Channel, and Port Sutton Turning Basin, and 34 feet in Port Sutton Terminal Channel. (See Notice to Mariners …
(NOS 11416) 32/09

Page 262—Paragraph 139, lines 1 to 3; read:

East Bay is on the E side of **Hookers Point** immediately N of Port Sutton. A dredged channel leads N from Port Sutton Channel to a dredged basin. The Tampa Port Authority is developing …
(NOS 11416) 32/09

Page 262—Paragraph 139; insert after:

A Federal Project provides for depths of 43 feet in East Bay Channel and East Bay Turning Basin, and 34 feet in Upper East Bay (See Notice to Mariners and latest edition of chart for controlling depths.)
(NOS 11416) 32/09

Page 263—Paragraph 143, lines 3 to 5; read:

and Ybor Turning Basin, and 12 feet for Seddon Channel. (See Notice to Mariners and latest editions of charts for controlling depths.) Garrison Channel has been de-authorized as a federally maintained navigation project and shoaling has been reported throughout the western portion of the channel.
(NOS 11416) 32/09

Page 268—Paragraph 227, lines 3 to 7; read:

at the powerplant at Weedon Island. In 1998, the reported controlling depth was 30 feet in the channel and the basin. The channel is marked by a private lighted …
(NOS 11416) 32/09

Page 269—Paragraph 234, line 7; read:

feet; 88-ton lift. Gasoline, water, ice, and marine supplies …
(Internet/09) 32/09

Page 269—Paragraph 237, line 5; read:

the main channel has a fixed span with a clearance of 44 …
(NOS 11416) 32/09

Page 270—Paragraph 248, line 6; read:

channels are marked by lights, a …
(NOS 11416; LL/09) 32/09

Page 276—Paragraph 335, lines 7 to 8; read:

contact the Office of Greenways and Trails at (352) 236-7143 in Ocala, FL.
(NOS 11408; Internet/09) 32/09

Page 278—Paragraph 356, line 7; read:

1977, the centerline controlling depths were 3 feet …
(NOS 11408) 32/09

COAST PILOT 5 37 Ed 2009 Change No. 10
LAST NM 32/09

Page 93—Paragraph 1046; strike out.
(FR 7/15/09) 33/09

Page 280—Paragraph 378, lines 4 to 5; read:

residents. Fresh water is available. In 2006, the controlling depth was 2 feet. The approach is marked by private lights and daybeacons.

(DD 12000; LL/09) 33/09

Page 284—Paragraph 22, lines 4 to 8; read:

about 0.5 mile above the town. (See Notice to Mariners and latest edition of chart for controlling depths.) The channel is …

(NOS 11406) 33/09

Page 287—Paragraph 69, lines 7 to 8; read:

controlling depth in the entrance channel was 1.6 feet, thence 0.5 foot …

(DD 14468) 33/09

Page 288—Paragraph 75, lines 6 to 7; read:

protected by twin jetties. In November 2008-May 2009, the controlling depth was 7.9 feet (9.7 feet at midchannel). The …

(CL 849/09) 33/09

Page 288—Paragraph 80, lines 3 to 5; read:

basin in **Scipio Creek**. In February 2006, the controlling depth in the channel was 4.1 feet (7.3 feet at midchannel), thence 6.1 to 9.0 feet …

(DD 14547) 33/09

Page 294—Paragraph 164, lines 1 to 3; read:

The main entrance to St. Andrew Bay is through a jettied entrance cut through Shell Island. Federal project depths are 38 feet to a point just inside the jetties, about 1.2 miles from the channel entrance, thence 36 feet to the bay. (See Notice to Mariners and …

(CL 851/09; NOS 11391) 33/09

Page 296—Paragraph 192, line 2; read:

water that extends N from St. Andrew Bay. In September 2008, the channel had a controlling depth of 7.0 feet. There are several …

(DDs 14656-57) 33/09

Page 296—Paragraph 196, lines 7 to 8; read:

channel parallel to the highway bridge. In April 2009, the entrance was shoal to bare, thence the controlling depths was 5.8 feet (6.2 feet at midchannel).

(CL 581/09) 33/09

Page 297—Paragraph 205, lines 12 to 14; read:

advised. In November 2008, the controlling depth was 8.1 feet from Buoy CB to the bridge; thence in April 2009, 8.5 feet (9.3 feet in midchannel) through North ..,

(CL 848/09) 33/09

Page 298—Paragraph 228, lines 13 to 14; read:

bridge. In August-November 2008, the controlling depth was 4.4 feet (5.6 feet at midchannel). It is reported that the …

(CL 848/09) 33/09

Page 308—Paragraph 16, lines 6 to 9; read:

Pelican Bay. An 850-foot fishing pier extends into the passage S from Dauphin Island. The best water can be found by passing to the S of **Dauphin Island Spit** before shaping a course N into Mobile Bay. Significant shoaling has occurred in the area and in 2008, Pelican Passage was reported …

(CL 900/09; Internet/09) 33/09

Page 324—Paragraph 223, line 10; read:

May 2009, 1.5 feet to the head of the project. The …

(CL 846/09) 33/09

COAST PILOT 6 39 Ed 2009 NEW EDITION

(NOS) 13/09

COAST PILOT 6 39 Ed 2009 Change No. 1
LAST NM 13/09

Page 7—Paragraph 60, line 7; read:

website is http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html.

(NOS/09) 14/09

Page 506—Paragraph 38, line 3; read:

http://www.nauticalcharts.noaa.gov/nsd/distances-ports/.)

(NOS/09) 14/09

COAST PILOT 6 39 Ed 2009 Change No. 2
LAST NM 14/09

Page 57—Paragraph 301, line 1; read:

§70.05–10 Revocation of merchant mariner credential officer endorsement or license

Every master, pilot, and engineer, or person or persons …

(CL 438/09; FR 3/16/09) 21/09

Page 57—Paragraph 301, lines 7 to 8; read:

punished as provided in §70.05–5 and shall also have his merchant mariner credential officer endorsement or license revoked or suspended for a term to be fixed by …

(CL 438/09; FR 3/16/09) 21/09

Page 84—Paragraph 954, lines 1 to 2; read:

(4) While underway, does not have at least one deck officer on the navigation bridge who is capable …

(CL 438/09; FR 3/16/09) 21/09

Page 100—Paragraph 1251; read:

Master means the master or operator, the person designated by the master or operator to navigate the vessel, or, on a vessel not requiring persons holding licenses of merchant mariner credential officer endorsements, the person in command of the vessel.

(CL 438/09; FR 3/16/09) 21/09

Page 105—Paragraph 1403, line 7 to Paragraph 1404; read:

at least an engineer with an appropriately endorsed license or merchant mariner credential.

(c) Each tanker must navigate with at least two deck officers with an appropriately endorsed license or merchant mariner credential on watch on the bridge, one of whom may be a pilot. In waters where a pilot is required, the second officer, must be an individual holding an appropriately endorsed license or merchant mariner credential and assigned to the vessel as master, mate, or officer in charge of a navigational watch, who is separate and distinct from the pilot.

(CL 438/09; FR 3/16/09) 21/09

Page 111—Paragraph 1580; insert after:

Merchant mariner credential or MMC means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.

(CL 438/09; 3/16/09) 21/09

Page 156—Paragraph 2511, line 4; read:

pilotage pool on the Great Lakes.

(17) *Merchant mariner credential or MMC* means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.

(CL 438/09; FR 3/16/09) 21/09

Page 181—Paragraph 128, line 4; read:

tower, 6.9 m (23 ft) high. A wreck, submerged 10.5 m (34 ft), is close offshore at the west end of the marina breakwater.

(CNM 11/07) 21/09

Page 357—Paragraph 228, lines 5 to 8; read:

April 2007, the controlling depth was 6½ feet in the entrance and between the piers to the lake. Currents in the channel …

(DD 9007) 21/09

Page 368—Paragraph 355, lines 4 to 5; read:

are marked by lights. In April 2009, the controlling depth was 12 feet in the entrance and between the …

(DDs 13811-12) 21/09

Page 411—Table, Item 13; read:

No.	Location and Name	Kind	Miles*	Clear width in feet of draw or span openings**			Clear height in feet above Low Water Datum	Remarks
				Right	Left	Center		
13	Wells St. bridge	Highway	1.61			50	12	Vertical lift. Clearance up 28 feet. Note 1.

(CL 145/86; NOS 14924) 21/09

Page 473—Paragraph 203, lines 6 to 9; read:

buoy and a 105° lighted range. In September 2007, the dredged harbor basin had general depths of 8 to 11 feet with lesser depths to 4 feet in about 47°27'31"N., 88°08'57"W., and to 7 feet in the E corner.
(DD 10202) 21/09

COAST PILOT 6 39 Ed 2009 Change No. 3
LAST NM 21/09

Page 175—Paragraphs 16 to 29; read:

- Upper Entrance South Shore Canal to Lake St. Louis Buoy A13 – 10.5 knots
- Lake St. Louis Buoy A13 to Lower Entrance Lower Beauharnois Lock – 16 knots
- Upper Entrance Upper Beauharnois Lock to Lake St. Francis Buoy D3 – 9 knots upbound and 10.5 knots downbound
- Lake St. Francis Buoy D3 to Lake St. Francis Buoy D49 – 12 knots upbound and 13.5 knots downbound
- Lake St. Francis Buoy D49 to Snell Lock – 8.5 knots upbound, and 10.5 knots downbound
- Eisenhower Lock to Iroquois Lock – 11.5 knots (10.5 knots at high water)
- Iroquois Lock to McNair Island Light Buoy 137A – 13 knots (10.5 knots at high water)
- McNair Island Light Buoy 137A to Deer Island Light 186 – 11.5 knots (10.5 knots at high water)
- Deer Island Light 186 to Bartlett Point Light 227 – 8.5 knots upbound, and 10.5 knots downbound
- Bartlett Point Light 227 to Tibbetts Point – 13 knots (10.5 knots at high water)
- Junction of Canadian Middle Channel and Main Channel abreast of Ironsides Island to open waters between Wolfe and Howe Islands through the Canadian Middle Channel – 9.5 knots
- Port Robinson to Ramey's Bend through the Welland By-Pass – 8 knots
- All other canals – 6 knots;

(SWHB/09; NOS/09) 22/09

Page 177—Paragraph 57, line 1; read:

A speed limit of 6 knots is enforced in the canal between …
(CHS 1433) 22/09

Page 272—Paragraph 78, lines 6 to 8; read:

anchorage should be careful to avoid Mamajuda Island Shoal, a long shoal extending from the N end of Grosse Ile (Point Hennepin) into the N side of the anchorage.
(NOS 14854) 22/09

Page 369—Paragraphs 366 to 367; read:

A dredged entrance channel leads from deep water in Lake Michigan between parallel piers through the mouth of St. Joseph River upstream for about 1 mile to the junction with **Paw Paw River**. The outer ends of the piers are marked by lights and the N pier has an inner light. The Federal project depths for the dredged channels in the harbor are 21 feet in the entrance and through the harbor to the junction with the Paw Paw River, thence 18 feet in the remainder of the channel to the head of the project at Riverview Drive. Turning basins on the N side of the channel just below the junction with the Paw Paw River and on the SE side of the channel below the Twin Cities Bicentennial Bridge have project depths of 18 feet. (See Notice to Mariners and latest edition of charts for controlling depths.)
(CEM-Detroit/86) 22/09

Page 463—Paragraph 66, line 4; read:

Whitefish Point Light (46º46'16"N., 84º57'26"W.), 80 feet …
(LL/09) 22/09

Page 464—Paragraph 70, line 5 to Paragraph 71, line 1; read:

In August 2008, the controlling depth in the channel was 4½ feet; the channel is subject to extensive shoaling. Boat operators using the harbor are cautioned to …
(DD 13746) 22/09

COAST PILOT 6 39 Ed 2009 Change No. 4

Page 279—Paragraph 130, line 10 to Paragraph 132, line 2; read:

buoys. **Belle Isle Light** (42º20'24"N., 82°57'35"W.), 30 feet above the water, is shown from a pile on the SE point of the island and marks the N side of Fleming Channal.

A Federal project provides for a depth of 28.5 feet in the dredged sections of Fleming Channel from mid-length of Belle Island to about 0.3 mile NE of Peche Island Range Front Light, thence 27.5 feet to Peche Island Channel in Lake St. Clair. (See Notice to Marniners and latest edition of charts for controlling depths.)

A 074º–254º measured mile has been reported on the S side of Belle Isle.

William Livingstone Memorial Light (42º20'49"N., 82º57'16"W.), 58 feet above the water and shown from a …
(LL/09; DDs 13709-14; NOS/09) 22/09

Page 279—Paragraph 135, line 4; read:

Peche Island Light (42º20'54"N., 82º56'33"W.), 44 feet …
(LL/09) 22/09

Page 279—Paragraph 136, line 1; read:

Windmill Point Light (42º21'27"N., 82º55'48"W.), 42 …
(LL/09) 22/09

Page 281—Paragraph 153, lines 6 to 8; read:

southbound. Vessels awaiting berths, weather, or other conditions occasionally anchor on the NW side of the river below Belle Island. (See **33 CFR 110.206**, chapter 2, for boundaries and regulations.)
(33 CFR 110.206; NOS 14848) 22/09

Page 286—Paragraph 16, line 11; read:

(42º27'55"N., 82º45'15"W.), 52 feet above the water, is …
(LL/09) 22/09

COAST PILOT 6 39 Ed 2009 Change No. 5
LAST NM 22/09

Page 62—Paragraph 461; insert after:

§110.136 Lake Champlain, NY and VT.

(a) *Burlington Harbor, VT*. (1) The waters bounded by a line connecting the following points:

44º28'26.9"N., 73º13'31.9"W.
44º28'26.4"N., 73º13'25.6"W.
44º28'22.0"N., 73º13'24.6"W.
44º28'12.0"N., 73º13'32.5"W.

and thence along the breakwater to the point of the beginning. These positions have been converted to North American Datum 83.

(2) No vessel greater than 35 feet in length may use this anchorage and no vessel may remain at anchor longer than 7 days in any period unless specifically permitted to do so by the City of Burlington, Harbormaster.

(b) [Reserved]
(33 CFR 110.136) 24/09

Page 262—Paragraph 602; read:

A Federal project provides for a 21-foot entrance channel from deep water in Lake Erie to an 18-foot turning basin at the head of the project. (See Notice to Mariners and latest editions of charts for controlling depths.) The entrance channel is marked by lighted and unlighted buoys and a **291.8º** lighted range.
(CEM-Detroit/86) 24/09

Page 311—Paragraph 54, lines 5 to 6; read:

breakwaters. In August 2008, the controlling depth was 7 feet in the entrance channel to the basin, thence …
(DD 13705) 24/09

Page 311—Paragraph 60, lines 6 to 7; read:

ends of the breakwaters are marked by lights. In August 2008, the controlling depth was 11 feet in the entrance …
(DD 13704) 24/09

Page 313—Paragraph 92, lines 2 to 6; read:

Waterways Commission is the harbor basin; transient berths, gasoline, diesel fuel, ice, water, electricity, launching ramp, and pump-out are available. The marina monitors VHF-FM channel 16. Marinas in Bird Creek also provide diesel fuel, gasoline, …
(DB 17637) 24/09

Page 314—Paragraph 103, lines 7 to 11; read:

and a private **113.5º** lighted range. In September 2008, the controlling depth was 8 feet in the approach to the outer end of the breakwater, thence 2 feet to the mouth of the Pigeon River, thence 6 feet to the head of the project. Buoys in the dredged channel may be relocated as necessary to best mark the channel limits.
(DDs 13690-91; NOS 14863) 24/09

Page 321—Paragraph 193, lines 5 to 8; read:

signal is at the N light. In September 2008, the controlling depth was 5 feet in the entrance and through the piers to the highway bridge.
(DD 13700) 24/09

Page 322—Paragraph 195; strike out.
(21/87 CG9; NOS 14863) 24/09

Page 501—Paragraph 51, line 3 to Paragraph 52, line 3; read:

white square lighthouse on the N end of the N breakwater.

Channels

Two detached breakwaters parallel the shore and protect the harbor from the W. Lights are on the N end of the N breakwater and on …
(LL/09) 24/09

Page 501—Paragraph 52; insert after:

Anchorages

A **special anchorage area** for vessels less than 65 feet in length is about 0.2 mile NE of Burlington Breakwater South Light. (See **33 CFR 110.1** and **110.8(h)**, chapter 2, for limits and regulations.) An **anchorage area** for vessels less than 35 feet is off the E side of the S breakwater. (See **33 CFR 110.1** and **110.136**, chapter 2, for limits and regulations.)
(33 CFR 110.136; NOS 14785) 24/09

Page 501—Paragraph 56; strike out.
(33 CFR 110.136; NOS 14785) 24/09

Page 332—Paragraph 340, lines 2 to 8; read:

between Round Island and Mackinac Island, has a Federal project depth of 30 feet. (See Local Notice to Mariners for controlling depths.) The S edge of the channel is marked by two lighted buoys. The N side of the passage is marked by a lighted bell buoy off the SE end of Mackinac Island and by Round Island Passage Light. **Round Island Passage Light** (45°50'35"N., 84°36'55"W.), 71 feet above the water, is shown from a …

(NOS 14881; LL/09) 25/09

Page 466—Paragraph 104; strike out.

(37/95 CG9; NOS 14963) 25/09

Page 466—Paragraph 107, line 1; read:

Marquette Light (46º32'48"N., 87º22'34"W.), 77 feet …

(LL/09) 25/09

Page 466—Paragraph 108, line 5; read:

mark the W limit of the basin. In September 2008, the basin …

(DD 13716) 25/09

Page 467—Paragraph 118, lines 7 to 8; read:

mile N of Marquette Light.

(CL 412/83; CL 1300/84; NOS 14970) 25/09

Page 467—Paragraph 120, lines 1 to 3; read:

Presque Isle Harbor Breakwater Light (46°34'28"N., 87°22'28"W.), 56 feet above the water, is shown from a white cylindrical tower with a red band on an octagonal building ...

(LL/09) 25/09

Page 467—Paragraph 121, line 6; read:

the basin. In September 2008, a depth of 29 feet was available …

(DD 13717) 25/09

Page 479—Paragraph 286, lines 5 to 8; read:

light. In November 2008, the controlling depths were 9 feet in the entrance channel to the inner basin, thence 7½ to 8 feet in the basin, thence 7 feet in the E channel and 7 feet in the SW channel with lesser depths to 4 feet along the E edge.

(DD 13696) 25/09

Page 480—Paragraph 291, lines 5 to 14; read:

outer end of the E pier is marked by a light. In November 2008, the controlling depths were 14 feet in the entrance channel to the inner basin (except for depths to 12 feet along the W edge of the channel near the outer end of the W pier), thence 14 to 15 feet in the basin, thence 6½ feet in the E inner channel. In September 2007, the S inner channel had a controlling depth of 3½ feet; it has not been maintained for several years and is subject to severe shoaling from drifting sand.

(DD 13697) 25/09

Page 233—Paragraphs 229 to 231; read:

Erie International Marine Terminal, Berths No. 1, 2, and 3: (42°08'58"N., 80°04'57"W.); 1,508 feet of berthing space; 23 to 26 feet alongside; deck height, 8.4 feet; 95,300 square feet covered storage; 22 acres open storage; 300-ton fixed crane; one 160-ton, and one 230-ton crawler cranes; receipt and shipment of miscellaneous dry bulk commodities, machinery, steel products, and locomotives; owned by Erie-Western Pennsylvania Port Authority and operated by Mountfort Terminal, Ltd.

Erie Sand and Gravel Company Dock: (42°08'25"N., 80°04'58"W.); 1,220 feet of berthing space; 24 to 27 feet alongside; deck height, 7.5 feet; 12 acres of open storage; one 160-ton crawler crane; receipt of salt and sand; owned by Erie-Western Pennsylvania Port Authority and operated by Erie Sand and Gravel Co.

(PS 42/01) 31/09

Page 233—Paragraph 233, lines 3 to 10; read:

facilities are at Lorain, Ohio. Metro Machine of Pennsylvania, Inc. operates a large graving dock in the SE part of the harbor (42°08'21"N., 80°05'02"W.); the E and W slips are used for mooring and outfitting vessels. The graving dock is 1,250 feet long, 120 feet wide at the entrance, and has a depth of 21 feet over the sill. Overhead cranes to 140 tons are available.

(PS 42/01; NOS 14835) 31/09

Page 233—Paragraph 234, lines 4 to 5; read:

pump-out, and marine supplies. Vertical boat lifts to 40 tons and a 40-ton marine railway …

(PS 42/01) 31/09

Page 233—Paragraph 235, lines 4 to 6; read:

range. In 2007, depths of 5 feet were available in the entrance channel; thence in 1977, depths of 8 feet were reported in the basin except for an isolated 6-foot spot in the E part, and 8 …

(FE 00542/07) 31/09

Page 235—Paragraph 269, line 2 to Page 236—Paragraph 271; read:

dredged entrance channel that leads between converging breakwaters to an outer harbor where the channel divides into E and W channels with a central turning basin. The W channel leads to the mouths of the Ashtabula River and Pinney Minnesota Slip, and continues upstream in the river for 2 miles; a turning basin is 0.3 mile below the head of the project. The E channel leads SE to a basin off the entrance of two large slips. Lights mark the outer ends of the breakwaters and Ashtabula Light is on the W breakwater. A detached breakwater, just S of the turning basin, is mark by a light on the W end.

The Federal project depths are 29 feet in the approach channel from deep water in the lake to the outer harbor, thence 27 to 28 feet in the W channel to the mouth of Ashtabula River and Pinney Minnesota Slip, thence 27 feet for the first 0.4 mile in the river channel, thence 18 feet to about 1 mile above the mouth of the river, thence 16 feet to the head of the project. The E channel has a project depth of 28 feet and 22 feet for the turning basin. (See Notice to Mariners and latest edition of charts for controlling depths.)

(CEM-Buffalo/00; NOS 14836) 31/09

Page 254—Paragraph 506, line 11 to Paragraph 507; read:

through the bays are indefinite and not marked. A submerged dike extends into Muddy Creek Bay from the W side of the Sandusky River mouth and a dike, marked by daybeacons, is on the E side of the mouth; caution is advised.

In 1985 and 1987, submerged obstructions were reported at the mouth of the river in about 41°27'01"N., 82°59'57"W. and 41°26'59"N., 83°00'02"W., respectively.

(21/08 CG9; LL/09; NOS 14842) 31/09

Page 315—Paragraph 114, line 4; read:

the CS Railroad bridge. In April 2008-April 2009, the controlling …

(DD 11110; DDs 13806-10) 31/09

Page 356—Paragraph 213, lines 1 to 2; read:

In June 2008-May 2009, the controlling depths were 16 feet (21 feet at midchannel) in the entrance …

(DD 12170; DDs 14204-05) 31/09

Page 418—Paragraph 753, lines 6 to 8; read:

outer ends of the piers are marked by lights. In April 2009, the controlling depths were 7 feet in the entrance and between …

(DDs 14178-79) 31/09

Page 420—Paragraph 770; read:

In April 2009, the controlling depths were 15 feet in the approach to the outer harbor basin, thence depths of 10 to 12 feet were available in the S part of the outer basin along the S pier and depths of 8 to 10 feet in the N part, thence 13 feet to the turning basin with depths of 12 to 16 feet in the basin with gradual shoaling to 4 feet along the W edge, thence 16 feet to the N harbor basin with 18 to 20 feet in the basin.

(DDs 14180-82) 31/09

COAST PILOT 6 39 Ed 2009 Change No. 8

Page 231—Paragraph 198; read:

Two small-craft harbors on the E and W sides of the Municipal Pier are protected by breakwaters; the breakwaters are marked by lights at the entrances. In May-July 2008, depths of 2 to 5 feet were available in the E basin and 3½ feet in the W basin with shoaling to less than one foot near the western end.

(CL 552/09; DD 14016) 31/09

Page 231—Paragraph 213, lines 3 to 4; read:

between two parallel piers to a harbor basin and three adjacent turning basins in Presque Isle Bay. The N pier is marked by lights on the outer and inner ends and the S pier is marked by a light on the outer end and by two …

(TXT 6-234/08) 31/09

Page 234—Paragraph 244, lines 8 to 13; read:

mouth. In June-July 2008, the outer harbor channel had depths of 22 to 28 feet with lesser depths along the channel edges, thence the controlling depth was 23 feet in the dredged river channel.

(DD 14014; CL 550/09) 31/09

Page 234—Paragraph 248; strike out.

(DD 14014; CL 550/09) 31/09

Page 238—Paragraphs 308 to 309; read:

Channels

The harbor is entered from Lake Erie through a dredged channel from deep water in the lake between two converging breakwaters to an outer harbor basin, thence between parallel piers through the mouth of the river for about 1.5 miles; the piers are marked at the outer ends by lights. A turning basin is on the W side of the channel about 1 mile above the mouth. The areas on the E and W sides of the entrance channel in the outer basin and the lower 1.2 miles of the river channel are not maintained. The Federal project depths are 25 feet in the approach channel and through the outer harbor to the mouth of the river, thence 24 feet in the river channel for about 0.7 mile, thence 21 feet to Olive Street on the W bank, thence 8 feet to the head of the project; the turning

basin has a project depth of 18 feet. (See Notice to Mariners and latest edition of charts for controlling depths.) The E breakwater, from its inner end, turns E and parallels the shore for about 1 mile. Lights mark the outer ends of the breakwaters and the E end of the E breakwater.

(CL 553/09; DD 14017; CEM-Buffalo/00) 31/09

Page 259—Table; read:

Structures across Maumee River at Toledo								
No.	Location and Name	Kind	Miles*	Clear width in feet of draw or span opening**			Clear height in feet above low water datum	Remarks
				Right	Left	Center		
4	CSX Railroad Bridge	Railroad	1.07	145	143		22	Swing. Note 2.
5	Norfolk Southern RR bridge	Railroad	1.80	134	134		20	Swing.
6	Veterans Glass Memorial Fixed Bridge					205	124	
7	Craig Memorial Bridge	Highway	3.30			200	38	Bascule. 44 feet at center.
15	Overhead cable	Power	11.40				100	

*Miles above the mouth of the river

**Clear width in feet proceeding upstream

(CL 1305/08; NOS 14846; CP 6/09) 31/09

COAST PILOT 7 41 Ed 2009 NEW EDITION
(NOS) 02/09

COAST PILOT 7 41 Ed 2009 Change No. 1
LAST NM 02/09

Page 107—Paragraph 1554; read:

§117.163 Islais Creek (Channel).

(a) The draw of the Illinois Street drawbridge, mile 0.3 at San Francisco, shall open on signal if least 72 hours advance notice is given to the Port of San Francisco.

(b) The draw of the 3rd Street drawbridge, mile 0.4 at San Francisco, shall open on signal if at least 72 hours advance notice is given to the San Francisco Department of Public Works.

(FR 12/05/08) 7/09

Page 299—Paragraph 498, line 3; read:

and regulations.) For additional information on Vandenberg Danger Zones, contact by calling 800-648-3019 or 805-606-8825.

(49/08 CG11) 7/09

COAST PILOT 7 41 Ed 2009 Change No. 2
LAST NM 07/09

Page 52—Paragraphs 184 to 223; read:

Subpart H—Gulf of the Farallones National Marine Sanctuary

§922.80 Boundary.

The Gulf of the Farallones National Marine Sanctuary (Sanctuary) boundary encompasses a total area of approximately 966 square nautical miles (nmi) of coastal and ocean waters, and submerged lands thereunder, surrounding the Farallon Islands (and Noonday Rock) off the northern coast of California. The northernmost extent of the Sanctuary boundary is a geodetic line extending westward from Bodega Head approximately 6 nmi to the northern boundary of the Cordell Bank National Marine Sanctuary (CBNMS). The Sanctuary boundary then turns southward to a point approximately 6 nmi off Point Reyes, California, where it then turns westward again out towards the 1,000-fathom isobath. The Sanctuary boundary then extends in a southerly direction adjacent to the 1,000-fathom isobath until it intersects the northern extent of the Monterey Bay National Marine Sanctuary (MBNMS). The Sanctuary boundary then follows the MBNMS boundary eastward and northward until it inter-

sects the Mean High Water Line at Rocky Point, California. The Sanctuary boundary then follows the MHWL north until it intersects the Point Reyes National Seashore (PRNS) boundary. The Sanctuary boundary then approximates the PRNS boundary, as established at the time of designation of the Sanctuary, to the intersection of the PRNS boundary and the MHWL in Tomales Bay. The Sanctuary boundary then follows the MHWL up Tomales Bay and Lagunitas Creek to the Route 1 Bridge where the Sanctuary boundary crosses the Lagunitas Creek and follows the MHWL until it intersects its northernmost extent near Bodega Head. The Sanctuary boundary includes Bolinas Lagoon, Estero de San Antonio (to the tide gate at Valley Ford Franklin School Road) and Estero Americano (to the bridge at Valley Ford Estero Road), as well as Bodega Bay, but not Bodega Harbor. Where the Sanctuary boundary crosses a waterway, the Sanctuary boundary excludes these waterways shoreward of the Sanctuary boundary line delineated by the coordinates provided. The precise seaward boundary coordinates are listed in Appendix A to this subpart.

§922.81 Definitions.

In addition to those definitions found at §922.3, the following definitions apply to this subpart:

Areas of Special Biological Significance (ASBS) are those areas designated by California's State Water Resources Control Board as requiring protection of species or biological communities to the extent that alteration of natural water quality is undesirable. ASBS are a subset of State Water Quality Protection Areas established pursuant to California Public Resources Code section 36700 et seq.

Attract or attracting means the conduct of any activity that lures or may lure any animal in the Sanctuary by using food, bait, chum, dyes, decoys (e.g., surfboards or body boards used as decoys), acoustics or any other means, except the mere presence of human beings (e.g., swimmers, divers, boaters, kayakers, surfers).

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Deserting means leaving a vessel aground or adrift without notification to the Director of the vessel going aground or becoming adrift within 12 hours of its discovery and developing and presenting to the Director a preliminary salvage plan within 24 hours of such notification, after expressing or otherwise manifesting intention not to undertake or to cease salvage efforts, or when the owner/operator cannot after reasonable efforts by the Director be reached within 12 hours of the vessel's condition being reported to authorities; or leaving a vessel at anchor when its condition creates potential for a grounding, discharge, or deposit and the owner/operator fails to secure the vessel in a timely manner.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C. 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act at 40 CFR 302.4.

Introduced species means any species (including, but not limited to, any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Motorized personal watercraft means a vessel which uses an inboard motor powering a water jet pump as its primary source of motive power and which is designed to be operated by a person sitting, standing, or kneeling on the vessel, rather than the conventional manner of sitting or standing inside the vessel.

Routine maintenance means customary and standard procedures for maintaining docks or piers.

Seagrass means any species of marine angiosperms (flowering plants) that inhabit portions of the submerged lands in the Sanctuary. Those species include, but are not limited to: *Zostera asiatica* and *Zostera marina*.

§922.82 Prohibited or otherwise regulated activities.

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within the Sanctuary:

(1) Exploring for, developing, or producing oil or gas except that pipelines related to hydrocarbon operations adjacent to the Sanctuary may be placed at a distance greater than 2 nmi from the Farallon Islands, Bolinas Lagoon and Areas of Special Biological Significance (ASBS) where certified to have no significant effect on Sanctuary resources in accordance with §922.84.

(2) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter except:

(i) Fish, fish parts, or chumming materials (bait) used in or resulting from lawful fishing activity within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activity within the Sanctuary;

(ii) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) that is approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended (FWPCA), 33 U.S.C. 1322. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(iii) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash; or

(iv) Vessel engine or generator exhaust.

(3) Discharging or depositing, from within or into the Sanctuary, any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(4) Discharging or depositing, from beyond the boundary of the Sanctuary, any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except for the exclusions listed in paragraphs (a)(2)(i) through (iv) and (a)(3) of this section.

(5) Constructing any structure other than a navigation aid on or in the submerged lands of the Sanctuary; placing or abandoning any structure on or in the submerged lands of the Sanctuary; or drilling into, dredging, or otherwise altering the submerged lands of the Sanctuary in any way, except:

(i) By anchoring vessels (in a manner not otherwise prohibited by this part (see §922.82(a)(16)) ;

(ii) While conducting lawful fishing activities;

(iii) The laying of pipelines related to hydrocarbon operations in leases adjacent to the Sanctuary in accordance with paragraph (a)(1) of this section;

(iv) Routine maintenance and construction of docks and piers on Tomales Bay; or

(v) Mariculture activities conducted pursuant to a valid lease, permit, license or other authorization issued by the State of California.

(6) Operating any vessel engaged in the trade of carrying cargo within an area extending 2 nmi from the Farallon Islands, Bolinas Lagoon or any ASBS. This includes but is not limited to tankers and other bulk carriers and barges, or any vessel engaged in the trade of servicing offshore installations, except to transport persons or supplies to or from the Islands or mainland areas adjacent to Sanctuary waters or any ASBS. In no event shall this section be construed to limit access for fishing, recreational or research vessels.

(7) Operation of motorized personal watercraft, except for the operation of motorized personal watercraft for emergency search and rescue missions or law enforcement operations (other than routine training activities) carried out by the National Park Service, U.S. Coast Guard, Fire or Police Departments or other Federal, State or local jurisdictions.

(8) Disturbing birds or marine mammals by flying motorized aircraft at less than 1,000 feet over the waters within one nmi of the Farallon Islands, Bolinas Lagoon, or any ASBS except to transport persons or supplies to or from the Islands or for enforcement purposes.

(9) Possessing, moving, removing, or injuring, or attempting to possess, move, remove or injure, a Sanctuary historical resource.

(10) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except:

(i) Striped bass (Morone saxatilis) released during catch and release fishing activity; or

(ii) Species cultivated by mariculture activities in Tomales Bay pursuant to a valid lease, permit, license or other authorization issued by the State of California and in effect on the effective date of the final regulation.

(11) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 et seq., Endangered Species Act (ESA), as amended, 16 U.S.C. 1531 et seq., Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 et seq., or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(12) Possessing within the Sanctuary (regardless of where taken, moved or removed from), any marine mammal, sea turtle, or bird taken, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(13) Attracting a white shark in the Sanctuary; or approaching within 50 meters of any white shark within the line approximating 2 nmi around the Farallon Islands.

(14) Deserting a vessel aground, at anchor, or adrift in the Sanctuary.

(15) Leaving harmful matter aboard a grounded or deserted vessel in the Sanctuary.

(16) Anchoring a vessel in a designated seagrass protection zone in Tomales Bay, except as necessary for mariculture operations conducted pursuant to a valid lease, permit or license.

(b) All activities currently carried out by the Department of Defense within the Sanctuary are essential for the national defense and, therefore, not subject to the prohibitions in this

section. The exemption of additional activities shall be determined in consultation between the Director and the Department of Defense.

(c) The prohibitions in paragraph (a) of this section do not apply to activities necessary to respond to an emergency threatening life, property, or the environment, or except as may be permitted by the Director in accordance with §922.48 and §922.83.

§922.83 Permit procedures and issuance criteria.

(a) A person may conduct an activity prohibited by §922.82 if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms and conditions of, a permit issued under §922.48 and this section.

(b) The Director, at his or her discretion, may issue a National Marine Sanctuary permit under this section, subject to terms and conditions as he or she deems appropriate, if the Director finds that the activity will:

(1) Further research or monitoring related to Sanctuary resources and qualities;

(2) Further the educational value of the Sanctuary;

(3) Further salvage or recovery operations; or

(4) Assist in managing the Sanctuary.

(c) In deciding whether to issue a permit, the Director shall consider factors such as:

(1) The applicant is qualified to conduct and complete the proposed activity;

(2) The applicant has adequate financial resources available to conduct and complete the proposed activity;

(3) The methods and procedures proposed by the applicant are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(4) The proposed activity will be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary or cumulative effects of the activity, and the duration of such effects;

(5) The proposed activity will be conducted in a manner compatible with the value of the Sanctuary, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary, and the duration of such effects;

(6) It is necessary to conduct the proposed activity within the Sanctuary;

(7) The reasonably expected end value of the proposed activity to the furtherance of Sanctuary goals and purposes outweighs any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity; and

(8) Any other factors as the Director deems appropriate.

(d) Applications.

(1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Gulf of the Farallones National Marine Sanctuary, 991 Marine Dr., The Presidio, San Francisco, CA 94129.

(2) In addition to the information listed in §922.48(b), all applications must include information to be considered by the Director in paragraph (b) and (c) of this section.

(e) The permittee must agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

§922.84 Certification of other permits.

A permit, license, or other authorization allowing: the laying of any pipeline related to hydrocarbon operations in leases adjacent to the Sanctuary and placed at a distance greater than 2 nmi from the Farallon Islands, Bolinas Lagoon, and any ASBS must be certified by the Director as consistent with the purpose of the Sanctuary and having no significant effect on Sanctuary resources. Such certification may impose terms and conditions as deemed appropriate to ensure consistency. In considering whether to make the certifications called for in this section, the Director may seek and consider the views of any other person or entity, within or outside the Federal government, and may hold a public hearing as deemed appropriate. Any certification called for in this section shall be presumed unless the Director acts to deny or condition certification within 60 days from the date that the Director receives notice of the proposed permit and the necessary supporting data. The Director may amend, suspend, or revoke any certification made under this section whenever continued operation would violate any terms or conditions of the certification. Any such action shall be forwarded in writing to both the holder of the certified permit and the issuing agency and shall set forth reason(s) for the action taken.

(FR 11/10/08) 8/09

COAST PILOT 7 41 Ed 2009 Change No. 3

Page 56—Paragraph 263 to Page 62—Paragraph 359; read:

Subpart K—Cordell Bank National Marine Sanctuary

§922.110 Boundary.

The Cordell Bank National Marine Sanctuary (Sanctuary) boundary encompasses a total area of approximately 399 square nautical miles (nmi) of ocean waters, and submerged lands thereunder, off the northern coast of California ap-

proximately 50 miles west-northwest of San Francisco, California. The Sanctuary boundary extends westward (approximately 250 degrees) from the northwestern most point of the Gulf of the Farallones National Marine Sanctuary (GFNMS) to the 1,000 fathom isobath northwest of Cordell Bank. The Sanctuary boundary then generally follows this isobath in a southerly direction to the westernmost point of the GFNMS boundary. The Sanctuary boundary then follows the GFNMS boundary again to the northwestern corner of the GFNMS. The exact boundary coordinates are listed in Appendix A to this subpart.

§922.111 Definitions.

In addition to the definitions found in §922.3, the following definitions apply to this subpart:

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C.

Introduced species means any species (including, but not limited to, any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

§922.112 Prohibited or otherwise regulated activities.

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within the Sanctuary:

(1)(i) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter except:

(A) Fish, fish parts, or chumming materials (bait), used in or resulting from lawful fishing activity within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activity within the Sanctuary;

(B) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use and generated by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended, (FWPCA), 33 U.S.C. 1322. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(C) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash; or

(D) Vessel engine or generator exhaust.

(ii) Discharging or depositing, from within or into the Sanctuary, any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(iii) Discharging or depositing, from beyond the boundary of the Sanctuary, any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except as listed in paragraphs (a)(1)(i) and (a)(1)(ii) of this section.

(2) On or within the line representing the 50-fathom isobath surrounding Cordell Bank, removing, taking, or injuring or attempting to remove, take, or injure benthic invertebrates or algae located on Cordell Bank. This prohibition does not apply to use of bottom contact gear used during fishing activities, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States). There is a rebuttable presumption that any such resource found in the possession of a person within the Sanctuary was taken or removed by that person.

(3) Exploring for, or developing or producing, oil, gas, or minerals in any area of the Sanctuary.

(4)(i) On or within the line representing the 50-fathom isobath surrounding Cordell Bank, drilling into, dredging, or otherwise altering the submerged lands; or constructing, placing, or abandoning any structure, material or other matter on or in the submerged lands. This prohibition does not apply to use of bottom contact gear used during fishing activities, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States).

(ii) In the Sanctuary beyond the line representing the 50-fathom isobath surrounding Cordell Bank, drilling into, dredging, or otherwise altering the submerged lands; or constructing, placing, or abandoning any structure, material or matter on the submerged lands except as incidental and necessary for anchoring any vessel or lawful use of any fishing gear during normal fishing activities.

(5) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA),

16 U.S.C. 1361 et seq., Endangered Species Act, as amended, (ESA), 16 U.S.C. 1531 et seq., Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 et seq., or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(6) Possessing within the Sanctuary (regardless of where taken, moved or removed from), any marine mammal, sea turtle or bird taken, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(7) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except striped bass (Morone saxatilis) released during catch and release fishing activity.

(b) The prohibitions in paragraph (a) of this section do not apply to activities necessary to respond to an emergency threatening life, property or the environment, or except as may be permitted by the Director in accordance with §922.48 and §922.113.

(c) All activities being carried out by the Department of Defense (DOD) within the Sanctuary on the effective date of designation that are necessary for national defense are exempt from the prohibitions contained in the regulations in this subpart. Additional DOD activities initiated after the effective date of designation that are necessary for national defense will be exempted by the Director after consultation between the Department of Commerce and DOD. DOD activities not necessary for national defense, such as routine exercises and vessel operations, are subject to all prohibitions contained in the regulations in this subpart.

(d) Where necessary to prevent immediate, serious, and irreversible damage to a Sanctuary resource, any activity may be regulated within the limits of the Act on an emergency basis for no more than 120 days.

§922.113 Permit procedures and issuance criteria.

(a) A person may conduct an activity prohibited by §922.112 if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms and conditions of, a permit issued under §922.48 and this section.

(b) The Director, at his or her discretion, may issue a national marine sanctuary permit under this section, subject to terms and conditions, as he or she deems appropriate, if the Director finds that the activity will:

(1) Further research or monitoring related to Sanctuary resources and qualities;

(2) Further the educational value the Sanctuary;

(3) Further salvage or recovery operations in or near the Sanctuary in connection with a recent air or marine casualty; or

(4) Assist in managing the Sanctuary.

(c) In deciding whether to issue a permit, the Director shall consider such factors as:

(1) The applicant is qualified to conduct and complete the proposed activity;

(2) The applicant has adequate financial resources available to conduct and complete the proposed activity;

(3) The methods and procedures proposed by the applicant are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(4) The proposed activity will be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary or cumulative effects of the activity, and the duration of such effects;

(5) The proposed activity will be conducted in a manner compatible with the value of the Sanctuary, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary, and the duration of such effects;

(6) It is necessary to conduct the proposed activity within the Sanctuary;

(7) The reasonably expected end value of the proposed activity to the furtherance of Sanctuary goals and purposes outweighs any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity; and

(8) Any other factors as the Director deems appropriate.

(d) Applications.

(1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Cordell Bank National Marine Sanctuary, P.O. Box 159, Olema, CA 94950.

(2) In addition to the information listed in §922.48(b), all applications must include information to be considered by the Director in paragraph (b) and (c) of this section.

(e) The permittee must agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

Subpart M—Monterey Bay National Marine Sanctuary

§922.130 Boundary.

The Monterey Bay National Marine Sanctuary (Sanctuary) consists of two separate areas. (a) The first area consists of an area of approximately 4,016 square nautical miles (nmi) of coastal and ocean waters, and submerged lands thereunder, in and surrounding Monterey Bay off the central coast of California. The northern terminus of the Sanctuary boundary is located along the southern boundary of the Gulf of the Farallones National Marine Sanctuary (GFNMS) beginning at Rocky Point just south of Stinson Beach in Marin County. The Sanctuary boundary follows the GFNMS boundary westward to a point approximately 29 nmi offshore from Moss Beach in San Mateo County. The Sanctuary boundary then extends southward in a series of arcs, which generally follow the 500 fathom isobath, to a point approximately 27 nmi offshore of Cambria, in San Luis Obispo County. The Sanctuary boundary then extends eastward towards shore until it intersects the Mean High Water Line (MHWL) along the coast near Cambria. The Sanctuary boundary then follows the MHWL northward to the northern terminus at Rocky Point. The shoreward Sanctuary boundary excludes a small area between Point Bonita and Point San Pedro. Pillar Point Harbor, Santa Cruz Harbor, Monterey Harbor, and Moss Landing Harbor are all excluded from the Sanctuary except for Moss Landing Harbor, where all of Elkhorn Slough east of the Highway One bridge, and west of the tide gate at Elkhorn Road and toward the center channel from the MHWL is included within the Sanctuary, excluding areas within the Elkhorn Slough National Estuarine Research Reserve.

(b) The Davidson Seamount Management Zone is also part of the Sanctuary. This area, bounded by geodetic lines connecting a rectangle centered on the top of the Davidson Seamount, consists of approximately 585 square nmi of ocean waters and the submerged lands thereunder. The shoreward boundary of this portion of the Sanctuary is located approximately 65 nmi off the coast of San Simeon in San Luis Obispo County.

§922.131 Definitions.

In addition to those definitions found at 15 CFR 922.3, the following definitions apply to this subpart:

Attract or attracting means the conduct of any activity that lures or may lure any animal by using food, bait, chum, dyes, decoys, acoustics, or any other means, except the mere presence of human beings (e.g., swimmers, divers, boaters, kayakers, surfers).

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Davidson Seamount Management Zone means the area bounded by geodetic lines connecting a rectangle centered on the top of the Davidson Seamount, and consists of approximately 585 square nmi of ocean waters and the submerged lands thereunder. The shoreward boundary of this portion of the Sanctuary is located approximately 65 nmi off the coast of San Simeon in San Luis Obispo County.

Deserting means leaving a vessel aground or adrift without notification to the Director of the vessel going aground or becoming adrift within 12 hours of its discovery and developing and presenting to the Director a preliminary salvage plan within 24 hours of such notification, after expressing or otherwise manifesting intention not to undertake or to cease salvage efforts, or when the owner/operator cannot after reasonable efforts by the Director be reached within 12 hours of the vessel's condition being reported to authorities; or leaving a vessel at anchor when its condition creates potential for a grounding, discharge, or deposit and the owner/operator fails to secure the vessel in a timely manner.

Federal Project means any water resources development project conducted by the U.S. Army Corps of Engineers or operating under a permit or other authorization issued by the Corps of Engineers and authorized by Federal law.

Hand tool means a hand-held implement, utilized for the collection of jade pursuant to 15 CFR 922.132(a)(1), that is no greater than 36 inches in length and has no moving parts (e.g., dive knife, pry bar, or abalone iron). Pneumatic, mechanical, electrical, hydraulic, or explosive tools are, therefore, examples of what does not meet this definition.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: Fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C. 9601(14) of the Comprehensive Environmental Response, Compensation and Liability Act at 40 CFR 302.4.

Introduced species means any species (including but not limited to any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Motorized personal watercraft (MPWC) means any vessel, propelled by machinery, that is designed to be operated by standing, sitting, or kneeling on, astride, or behind the vessel, in contrast to the conventional manner, where the oper-

ator stands or sits inside the vessel; any vessel less than 20 feet in length overall as manufactured and propelled by machinery and that has been exempted from compliance with the U.S. Coast Guard's Maximum Capacities Marking for Load Capacity regulation found at 33 CFR Parts 181 and 183, except submarines; or any other vessel that is less than 20 feet in length overall as manufactured, and is propelled by a water jet pump or drive.

§922.132 Prohibited or otherwise regulated activities.

(a) Except as specified in paragraphs (b) through (e) of this section, the following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted:

(1) Exploring for, developing, or producing oil, gas, or minerals within the Sanctuary, except: Jade may be collected (meaning removed) from the area bounded by the 35.92222 N latitude parallel (coastal reference point: Beach access stairway at south Sand Dollar Beach), the 35.88889 N latitude parallel (coastal reference point: Westernmost tip of Cape San Martin), and from the mean high tide line seaward to the 90-foot isobath (depth line) (the "authorized area") provided that:

(i) Only jade already loose from the submerged lands of the Sanctuary may be collected;

(ii) No tool may be used to collect jade except:

(A) A hand tool (as defined at 15 CFR 922.131) to maneuver or lift the jade or scratch the surface of a stone as necessary to determine if it is jade;

(B) A lift bag or multiple lift bags with a combined lift capacity of no more than two hundred pounds; or

(C) A vessel (except for motorized personal watercraft) (see paragraph (a)(7) of this section) to provide access to the authorized area;

(iii) Each person may collect only what that person individually carries; and

(iv) For any loose piece of jade that cannot be collected under paragraphs (a)(1) (ii) and (iii) of this section, any person may apply for a permit to collect such a loose piece by following the procedures in 15 CFR 922.133.

(2)(i) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter, except:

(A) Fish, fish parts, chumming materials, or bait used in or resulting from lawful fishing activities within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activities within the Sanctuary;

(B) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended (FWPCA), 33 U.S.C. 1322. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(C) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash;

(D) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding capacity to hold graywater while within the Sanctuary, clean graywater as defined by section 312 of the FWPCA;

(E) Vessel engine or generator exhaust; or

(F) Dredged material deposited at disposal sites authorized by the U.S. Environmental Protection Agency (EPA) (in consultation with the U.S. Army Corps of Engineers (COE)) prior to the effective date of Sanctuary designation (January 1, 1993), provided that the activity is pursuant to, and complies with the terms and conditions of, a valid Federal permit or approval existing on January 1, 1993.

(ii) Discharging or depositing from within or into the Sanctuary any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(iii) Discharging or depositing from beyond the boundary of the Sanctuary any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except those listed in paragraphs (a)(2)(i)(A) through (E) and (a)(2)(ii) of this section and dredged material deposited at the authorized disposal sites, provided that the dredged material disposal is pursuant to, and complies with the terms and conditions of, a valid Federal permit or approval.

(3) Possessing, moving, removing, or injuring, or attempting to possess, move, remove, or injure, a Sanctuary historical resource. This prohibition does not apply to, moving, removing, or injury resulting incidentally from kelp harvesting, aquaculture, or lawful fishing activities.

(4) Drilling into, dredging, or otherwise altering the submerged lands of the Sanctuary; or constructing, placing, or abandoning any structure, material, or other matter on or in the submerged lands of the Sanctuary, except as incidental and necessary to:

(i) Conduct lawful fishing activities;

(ii) Anchor a vessel;

(iii) Conduct aquaculture or kelp harvesting;

(iv) Install an authorized navigational aid;

(v) Conduct harbor maintenance in an area necessarily associated with a Federal Project in existence on January 1, 1993, including dredging of entrance channels and repair, replacement, or rehabilitation of breakwaters and jetties;

(vi) Construct, repair, replace, or rehabilitate a dock or pier; or

(vii) Collect jade pursuant to paragraph (a)(1) of this section, provided that there is no constructing, placing, or abandoning any structure, material, or other matter on or in the submerged lands of the Sanctuary, other than temporary placement of an authorized hand tool as provided in paragraph (a)(1) of this section. The exceptions listed in paragraphs (a)(4)(ii) through (a)(4)(vii) of this section do not apply within the Davidson Seamount Management Zone.

(5) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 et seq., Endangered Species Act, as amended, (ESA), 16 U.S.C. 1531 et seq., Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 et seq., or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(6) Flying motorized aircraft, except as necessary for valid law enforcement purposes, at less than 1,000 feet above any of the four zones within the Sanctuary.

(7) Operating motorized personal watercraft within the Sanctuary except within the five designated zones and access routes within the Sanctuary described in Appendix E to this subpart. Zone Five (at Pillar Point) exists only when a High Surf Warning has been issued by the National Weather Service and is in effect for San Mateo County, and only during December, January, and February.

(8) Possessing within the Sanctuary (regardless of where taken, moved, or removed from), any marine mammal, sea turtle, or bird, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(9) Deserting a vessel aground, at anchor, or adrift in the Sanctuary.

(10) Leaving harmful matter aboard a grounded or deserted vessel in the Sanctuary.

(11)(i) Moving, removing, taking, collecting, catching, harvesting, disturbing, breaking, cutting, or otherwise injuring, or attempting to move, remove, take, collect, catch, harvest, disturb, break, cut, or otherwise injure, any Sanctuary resource located more than 3,000 feet below the sea surface within the Davidson Seamount Management Zone. This prohibition does not apply to fishing below 3,000 feet within the Davidson Seamount Management Zone, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States).

(ii) Possessing any Sanctuary resource the source of which is more than 3,000 feet below the sea surface within the Davidson Seamount Management Zone. This prohibition does not apply to possession of fish resulting from fishing below 3,000 feet within the Davidson Seamount Management Zone, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States).

(12) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except striped bass (Morone saxatilis) released during catch and release fishing activity.

(13) Attracting any white shark within the Sanctuary.

(14) Interfering with, obstructing, delaying, or preventing an investigation, search, seizure, or disposition of seized property in connection with enforcement of the Act or any regulation or permit issued under the Act.

(b) The prohibitions in paragraphs (a)(2) through (11) of this section do not apply to an activity necessary to respond to an emergency threatening life, property, or the environment.

(c)(1) All Department of Defense activities must be carried out in a manner that avoids to the maximum extent practicable any adverse impacts on Sanctuary resources and qualities. The prohibitions in paragraphs (a)(2) through (12) of this section do not apply to existing military activities carried out by the Department of Defense, as specifically identified in the Final Environmental Impact Statement and Management Plan for the Proposed Monterey Bay National Marine Sanctuary (NOAA, 1992). (Copies of the FEIS/MP are available from the Monterey Bay National Marine Sanctuary, 299 Foam Street, Monterey, CA 93940.) For purposes of the Davidson Seamount Management Zone, these activities are listed in the 2008 Final Environmental Impact Statement. New activities may be exempted from the prohibitions in paragraphs (a)(2) through (12) of this section by the Director after consultation between the Director and the Department of Defense.

(2) In the event of destruction of, loss of, or injury to a Sanctuary resource or quality resulting from an incident, including but not limited to discharges, deposits, and groundings, caused by a Department of Defense activity, the Department of Defense, in coordination with the Director, must promptly prevent and mitigate further damage

and must restore or replace the Sanctuary resource or quality in a manner approved by the Director.

(d) The prohibitions in paragraph (a)(1) of this section as it pertains to jade collection in the Sanctuary, and paragraphs (a)(2) through (11) and (a)(13) of this section, do not apply to any activity conducted under and in accordance with the scope, purpose, terms, and conditions of a National Marine Sanctuary permit issued pursuant to 15 CFR 922.48 and 922.133 or a Special Use permit issued pursuant to section 310 of the Act.

(e) The prohibitions in paragraphs (a)(2) through (a)(8) of this section do not apply to any activity authorized by any lease, permit, license, approval, or other authorization issued after the effective date of Sanctuary designation (January 1, 1993) and issued by any Federal, State, or local authority of competent jurisdiction, provided that the applicant complies with 15 CFR 922.49, the Director notifies the applicant and authorizing agency that he or she does not object to issuance of the authorization, and the applicant complies with any terms and conditions the Director deems necessary to protect Sanctuary resources and qualities. Amendments, renewals, and extensions of authorizations in existence on the effective date of designation constitute authorizations issued after the effective date of Sanctuary designation.

(f) Notwithstanding paragraphs (d) and (e) of this section, in no event may the Director issue a National Marine Sanctuary permit under 15 CFR 922.48 and 922.133 or a Special Use permit under section 310 of the Act authorizing, or otherwise approve: the exploration for, development, or production of oil, gas, or minerals within the Sanctuary, except for the collection of jade pursuant to paragraph (a)(1) of this section; the discharge of primary-treated sewage within the Sanctuary (except by certification, pursuant to 15 CFR 922.47, of valid authorizations in existence on January 1, 1993 and issued by other authorities of competent jurisdiction); or the disposal of dredged material within the Sanctuary other than at sites authorized by EPA (in consultation with COE) prior to January 1, 1993. Any purported authorizations issued by other authorities within the Sanctuary shall be invalid.

§922.133 Permit procedures and criteria.

(a) A person may conduct an activity prohibited by §922.132(a)(1) as it pertains to jade collection in the Sanctuary, §922.132(a)(2) through (11), and §922.132 (a)(13), if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms, and conditions of, a permit issued under this section and 15 CFR 922.48.

(b) The Director, at his or her sole discretion, may issue a permit, subject to terms and conditions as he or she deems appropriate, to conduct an activity prohibited by §922.132 (a)(1) as it pertains to jade collection in the Sanctuary, §922.132(a)(2) through (11), and §922.132(a)(13), if the Director finds that the activity will have at most short-term and negligible adverse effects on Sanctuary resources and qualities and:

(1) Is research designed to further understanding of Sanctuary resources and qualities;

(2) Will further the educational, natural, or historical value of the Sanctuary;

(3) Will further salvage or recovery operations within or near the Sanctuary in connection with a recent air or marine casualty;

(4) Will assist in managing the Sanctuary;

(5) Will further salvage or recovery operations in connection with an abandoned shipwreck in the Sanctuary title to which is held by the State of California; or

(6) Will allow the removal, without the use of pneumatic, mechanical, electrical, hydraulic or explosive tools, of loose jade from the Jade Cove area under §922.132(a)(1)(iv).

(c) In deciding whether to issue a permit, the Director shall consider such factors as:

(1) Will the activity be conducted by an applicant that is professionally qualified to conduct and complete the activity;

(2) Will the activity be conducted by an applicant with adequate financial resources available to conduct and complete the activity;

(3) Is the activity proposed for no longer than necessary to achieve its stated purpose;

(4) Must the activity be conducted within the Sanctuary;

(5) Will the activity be conducted using methods and procedures that are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(6) Will the activity be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary, or cumulative effects of the activity, and the duration of such effects;

(7) Will the activity be conducted in a manner compatible with the value of the Sanctuary as a source of recreation and as a source of educational and scientific information, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary and the duration of such effects; and

(8) Does the reasonably expected end value of the activity to the furtherance of the Sanctuary goals and objectives outweigh any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity.

(d) For jade collection, preference will be given for applications proposing to collect loose pieces of jade for research or educational purposes.

(e) The Director may consider such other factors as he or she deems appropriate.

(f) Applications.

(1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Monterey Bay National Marine Sanctuary, 299 Foam Street, Monterey, CA 93940.

(2) In addition to the information listed in 15 CFR 922.48(b), all applications must include information the Director needs to make the findings in paragraph (b) of this section and information to be considered by the Director pursuant to paragraph (c) of this section.

(g) In addition to any other terms and conditions that the Director deems appropriate, a permit issued pursuant to this section must require that the permittee agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

§922.134 Notification and review.

(a) [Reserved]

(b)(1) NOAA has entered into a Memorandum of Agreement (MOA) with the State of California, EPA, and the Association of Monterey Bay Area Governments regarding the Sanctuary regulations relating to water quality within State waters within the Sanctuary.

With regard to permits, the MOA encompasses:

(i) National Pollutant Discharge Elimination System (NPDES) permits issued by the State of California under section 13377 of the California Water Code; and

(ii) Waste Discharge Requirements issued by the State of California under section 13263 of the California Water Code.

(2) The MOA specifies how the process of 15 CFR 922.49 will be administered within State waters within the Sanctuary in coordination with the State permit program.

(FR 11/10/08) 8/09

COAST PILOT 7 41 Ed 2009 Change No. 4

Page 234—Paragraphs 4476 to 4490; read:

§334.1240 Sinclair Inlet; naval restricted areas.

(a) *Sinclair Inlet; naval restricted areas.*

(1) *Area No. 1.* All the waters of Sinclair Inlet westerly of a line drawn from the Bremerton Ferry Landing at 47°33'48"N., 122°37'23" W., on the north shore of Sinclair Inlet; and 47°32'52" N., 122°36'58"W., on the south shore of Sinclair Inlet.

(2) *Area No. 2.* That area of Sinclair Inlet to the north and west of an area bounded by a line commencing at

47°33'40"N., 122°37'32"W.; thence south to
47°33'36"N., 122°37'30"W.; thence southwest to
47°33'23"N., 122°37'45"W.; thence southwest to
47°33'19"N., 122°38'12"W.; thence southwest to
47º33'10"N., 122°38'19"W.; thence southwest to
47°33'07"N., 122°38'29"W.; thence southwest to
47°33'04"N., 122°39'07"W.; thence west to the north shore of Sinclair Inlet at
47°33'04"N., 122°39'42"W.

(3) *The regulations.* (i) *Area No. 1.* No vessel of more than, or equal to, 100 gross tons shall enter the area or navigate therein without permission from the enforcing agency, except Washington State Ferries on established routes.

(ii) *Area No. 2.* This area is for the exclusive use of the United States Navy. No person, vessel, craft, article or thing, except those under supervision of military or naval authority shall enter this area without permission from the enforcing agency.

(b) *Enforcement.* The regulation in this section shall be enforced by the Commander, Navy Region Northwest, and such agencies and persons as he/she shall designate.

§334.1244 Puget Sound, Manchester Fuel Depot, Manchester, Washington; naval restricted areas.

(a) *The area.* The waters of Puget Sound surrounding the Manchester Fuel Depot Point A, a point along the northern shoreline of the Manchester Fuel Depot at

47°33'55"N., 122°31'55"W.; thence to
47°33'37"N., 122°31'50"W.; thence to
47°33'32"N., 122°32'06"W.; thence to
47°33'46"N., 122°32'16"W., a point in Puget Sound on the southern shoreline of the Manchester Fuel Depot.

(b) *The regulations.* No person, vessel, craft, article or thing except those under the supervision of the military or naval authority shall enter the area without the permission of the enforcing agency or his/her designees. The restriction shall apply during periods when a ship is loading and/or pier operations preclude safe entry. The restricted periods will be identified by the use of quick flashing beacon lights, which are mounted on poles at the end of the main fuel pier on the south side of Orchard Point at the entrance of Rich Passage. Entry into the area is prohibited when the quick-flashing beacons are in a flashing mode.

(c) *Enforcement*. The regulation in this section shall be enforced by the Commander, Navy Region Northwest, and such agencies and persons as he/she shall designate.

(FR 12/23/08) 8/09

Page 235—Paragraphs 4511 to 4517; read:

§334.1270 Port Townsend, Indian Island, Walan Point; naval restricted area.

(a) *The area*. The waters of Port Townsend Bay bounded by a line commencing on the north shore of Walen Point at

48°04'42"N., 122°44'30"W.; thence to
48°04'50"N., 122°44'38"W.; thence to
48°04'52"N., 122°44'57"W.; thence to
48°04'44"N., 122°45'12"W.; thence to
48°04'26"N., 122°45'21"W.; thence to
48°04'10"N., 122°45'15"W.; thence to
48°04'07"N., 122°44'49"W.; thence to a point on the Walen Point shoreline at
48°04'16"N., 122°44'37"W.

(b) *The regulations*. This area is for the exclusive use of the U.S. Navy. No person, vessel, craft, article or thing shall enter the area without permission of the enforcing agency. The restrictions shall apply during periods when ship loading and/or pier operations preclude safe entry. The periods will be identified by flying a red flag from the ship and/or pier.

(c) *Enforcement.* The regulation in this section shall be enforced by Commander, Navy Region Northwest and such agencies and persons as he/she shall designate.

(FR 12/23/08) 8/09

Page 242—Paragraph 4704, line 2; read:

Part.

Areas to be avoided means the four designated areas that should be avoided by vessels that are conducting passage through the Monument without interruption.

(FR 12/3/08) 8/09

Page 242—Paragraph 4706, line 2; read:

management unit species as defined at 50 CFR 665.12.

Categories of hazardous cargoes means goods classified in the International Maritime Dangerous Goods (IMDG) Code; substances classified in chapter 17 of the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code); and chapter 19 of the International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code); oils as defined in MARPOL Annex I; noxious liquid substances as defined in MARPOL Annex II; harmful substances as defined by MARPOL Annex III; and radioactive materials specified in the Code for the Safe Carriage of the Irradiated Nuclear Fuel, Plutonium and High-Level Radioactive Wastes in Flasks on Board Ships (INF Code).

(FR 12/3/08) 8/09

Page 243—Paragraph 4718, line 3; read:

December 31.

IMO means the International Maritime Organization.

(FR 12/3/08) 8/09

COAST PILOT 7 41 Ed 2009 Change No. 5
LAST NM 08/09

Page 244—Paragraphs 4739 to 4754; read:

§404.4 Access to the Monument.

(a) Entering the Monument is prohibited and thus unlawful except:

(1) As provided in §§ 404.8 and 404.9;

(2) Pursuant to a permit issued under §§ 404.10 or 404.11; or

(3) When conducting passage without interruption in accordance with paragraphs (b) through (f) of this section.

(b) Any person passing through the Monument without interruption is subject to the prohibitions in §§ 404.5, 404.6, and 404.7.

(c) The following vessels, except vessels entitled to sovereign immunity under international law, passing through the Monument without interruption must participate in the ship reporting system as provided in paragraphs (d) and (e) of this section:

(1) Vessels of the United States, except as provided in paragraph (f) of this section;

(2) All other ships of 300 gross tonnage or greater, entering or departing a United States port or place; and

(3) All other ships in the event of an emergency, entering or departing a United States port or place.

(d) Immediately upon entering the reporting area, the vessels described in paragraph (c) of this section must provide the following information by e-mail sent to nwhi.notifications@noaa.gov in the IMO standard reporting format and data syntax shown in Appendix E:

(1) Vessel name, call sign or ship station identity, flag, and IMO identification number if applicable.

(2) Date, time (UTC) and month of entry.

(3) Position.

(4) True course.

(5) Speed in knots and tenths.

(6) Destination and estimated time of arrival.

(7) Intended route through the Monument and the reporting area.

(8) Vessel draft (in meters).

(9) Categories of hazardous cargoes on board.

(10) Any vessel defects or deficiencies that restrict maneuverability or impair normal navigation.

(11) Any pollution incident or goods lost overboard within the Monument, the reporting area, or the U.S. EEZ.

(12) Contact information for the vessel's agent or owner.

(13) Vessel size (length overall, gross tonnage) and type.

(14) Total number of persons on board.

(e) Immediately upon leaving the reporting area, the vessels described in paragraph (c) must provide the following information by e-mail sent to nwhi.notifications@noaa.gov in the IMO standard reporting format and data syntax shown in Appendix E:

(1) Vessel name, call sign or ship station identity, flag, and IMO identification number if applicable, and either Federal documentation or State registration number if applicable.

(2) Date, time (UTC) and month of exit.

(3) Position.

(4) Any pollution incident or goods lost overboard within the Monument, the reporting area, or the U.S. EEZ.

(f)(1) Vessels of the United States less than 300 gross tonnage that are not equipped with onboard e-mail capability must provide notification of entry and the information described in paragraphs (d)(1), (2), (3) as applicable, (6), (7), (8), (9) as applicable, (10), (12), (13), and (14) of this section at least 72 hours, but no longer than 1 month, prior to the entry date. Notification of departure from the Monument and the information described in paragraph (e) of this section must be provided within 12 hours of leaving. Notification under this paragraph may be made by e-mail, telephone, or fax, by contacting:

(i) *E-mail:* nwhi.notifications@noaa.gov;

(ii) *Telephone:* 1-866-478-NWHI (6944);

(iii) *Fax:* 1-808-397-2662.

(2) The information must be provided in the IMO standard reporting format and data syntax shown in Appendix E.

(g) All vessels passing through the Monument without interruption other than those described in paragraphs (c)(1) through (3) of this section should participate in the ship reporting system set forth in paragraphs (d) and (e) of this section.

(FR 12/3/08) 10/09

Page 249—Paragraph 4861, line 6; read:

International law.

Appendix E to Part 404—Content and Syntax for Papahanaumokuakea Ship Reporting System

Immediately upon crossing the reporting area boundary, notification should be sent as a direct e-mail to nwhi.notifications@noaa.gov in the prescribed format and data syntax shown. Use of batch message routing services which may delay receipt of a report should not be used. Failure to follow the exact format (e.g., extra information, extraneous characters, or double spacing) may cause the automated computer system to reject your report. **Note**: Report transmission costs via INMARSAT-C will be assumed by NOAA.

E.1 Entry Notification Format

Immediately upon entering the Reporting Area, vessels required to participate must provide the following information.

Table E.1–Information Required For Entry Notification

Telegraphy	Function	Information Required	Example Field Text
Name	System identifier	CORAL SHIPREP //	CORAL SHIPREP//
A	Ship	Vessel name / call sign / flag / IMO number / Federal documentation or State registration number if applicable //	A/OCEAN VOYAGER/C5FU8/BAHAMAS/IMO 9359165//
B	Date, time (UTC), and month of entry	A 6-digit group giving day of month (first two digits), hours and minutes (last four digits) in coordinated universal time, suffixed by the letter Z (indicating time in UTC), and three letters indicating month //	B/271107Z DEC//
C	Position	A 4-digit group giving latitude in degrees and minutes, suffixed with the letter N (indicating north), followed by a single / , and a five digit group giving longitude in degrees and minutes, suffixed with the letter W (indicating west) // [Report in the World Geodetic System 1984 Datum (WGS-84)]	C/2728N/17356W//
E	True course	3-digit number indicating true course //	E/180//
F	Speed in knots and tenths	3-digit group indicating knots decimal tenths //	F/20.5//
I	Destination and estimated time of arrival	Name of port city / country / estimated arrival date and time group expressed as in (B) //	I/SEATTLE/USA/311230Z DEC//
L	Intended route through the reporting area	Route information should be reported as a direct rhumbline (RL) course through the reporting area and intended speed (expressed as in E and F) or a series of way points (WP). Each waypoint entry should be reported as latitude and longitude, expressed as in (C), and intended speed between waypoints (as in F) // (Note: As many "L" lines as needed may be used to describe the vessel's intended route.)	L/RL/215/20.5// -OR- L/WP/2734N/17352W/20.5// L/WP/2641N/17413W/20.5// L/WP/2605N/17530W/20.5//
O	Vessel draft in meters	Maximum present static draft reported in meters decimal centimeters //	O/11.50//
P	Categories of Hazardous Cargoes*	Classification Code (e.g. IMDG, IBC, IGC, INF) / and all corresponding Categories of Hazardous Cargoes (delimited by commas) // Note: If necessary, use a separate "P" line for each type of Classification Code.	P/IMDG/1.4G,2.1,2.2,2.3,3,4.1,6.1,8,9//
Q	Defects or deficiencies**	Brief details of defects, damage, deficiencies or limitations that restrict maneuverability or impair normal navigation // (If none, enter the number zero.)	Q/Include details as required//
R	Pollution incident or goods lost overboard**	Description of pollution incident or goods lost overboard within the Monument, the Reporting Area, or the U.S. Exclusive Economic Zone // (If none, enter the number zero.)	R/0//
T	Contact information of ship's agent or owner	Name / address / and phone number of ship's agent or owner //	T/JOHN DOE/GENERIC SHIPPING COMPANY INC, 6101 ACME ROAD, ROOM 123, CITY, STATE, COUNTRY 12345/123-123-1234//
U	Ship size (length overall and gross tonnage) and type	Length overall reported in meters decimal centimeters / number of gross tons / type of ship (e.g. bulk carrier, chemical tanker, oil tanker, gas tanker, container, general cargo, fishing vessel, research, passenger, OBO, RORO) //	U/294.14/54592/CONTAINER SHIP//
W	Persons	Total number of persons on board //	W/15//

* Categories of hazardous cargoes means goods classified in the International Maritime Dangerous Goods (IMDG) Code; substances classified in chapter 17 of the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) and chapter 19 of the International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code); oils as defined in MARPOL Annex I; noxious liquid substances as defined in MARPOL Annex II; harmful substances as defined in MARPOL Annex III; and radioactive materials specified in the Code for the Safe Carriage of the Irradiated Nuclear Fuel, Plutonium and High-Level Radioactive Wastes in Flasks on Board Ships (INF Code).

** In accordance with the provisions of the MARPOL Convention, ships must report information relating to defects, damage, deficiencies or other limitations as well as, if necessary, information relating to pollution incidents or loss of cargo. Safety related reports must be provided to CORAL SHIPREP without delay should a ship suffer damage, failure or breakdown affecting the safety of the ship (Item Q), or if a ship makes a marked deviation from a route, course or speed previously advised (Item L). Pollution or cargo lost overboard must be reported without delay (Item R).

E.2 Prior Notification of Entry Format

Vessels of the United States less than 300 gross tonnage that are not equipped with onboard e-mail capability must provide the following notification of entry at least 72 hrs, but no longer than 1month, prior to entry date, utilizing the data syntax described above. Notification may be made via the following communication methods, listed in order of preference:

E-mail [*nwhi.notifications@noaa.gov*];
Fax [1–808–397–2662];
Telephone [1–866–478–NWHI (6944),
1–808–395–NWHI (6944)].

Table E.2–Information Required For Prior Notification

System identifier	PRIOR NOTICE//
Items	A, B, C (as applicable), I, L, O, P (as applicable), Q, T, U, W

E.3 Exit Notification Format

Immediately upon leaving the Reporting Area, vessels required to participate must provide the following information. Vessels of the United States less than 300 gross tonnage that are not equipped with onboard e-mail capability must provide the following Exit Notification information within 12 hrs of leaving the Reporting Area. Notification may be made via the following communication methods, listed in order of preference:

E-mail [*nwhi.notifications@noaa.gov*];
Fax [1–808–397–2662];
Telephone [1–866–478–NWHI (6944),
1–808–395–NWHI (6944)].
(FR 12/3/08) 10/09

Table E.3–Information Required For Exit Notification

Telegraphy	Function	Information Required	Example Field Text
Name	System identifier	CORAL SHIPREP//	CORAL SHIPREP//
A	Ship	Vessel name / call sign / flag / IMO number / Federal documentation or State registration number if applicable //	A/OCEAN VOYAGER/C5FU8/BAHAMAS/IMO 9359165//
B	Date, time (UTC), and month of exit	A 6-digit group giving day of month (first two digits), hours and minutes (last four digits), suffixed by the letter Z indicating time in UTC, and three letters indicating month//	B/271657Z DEC//
C	Position	A 4-digit group giving latitude in degrees and minutes, suffixed with the letter N (indicating north), followed by a single / , and a five digit group giving longitude in degrees and minutes, suffixed with the letter W (indicating west) // [Report in the World Geodetic System 1984 Datum (WGS-84)]	C/2605N/17530W//
R	Pollution incident or goods lost overboard	Description of pollution incident or goods lost overboard within the Monument, the Reporting Area, or the U.S. Exclusive Economic Zone // (If none, enter the number zero.)	R/0//

Table E.4–Example Entry Report

CORAL SHIPREP//
A/SEA ROVER/WFSU/USA/IMO 8674208/DOC 602011//
B/010915Z JUN//
C/2636N/17600W//
E/050//
F/20.0//
I/LOS ANGELES/USA/081215Z JUN//
L/RL/050/20.0//
O/10.90//
P/IMDG/3,4.1,6.1,8,9//
Q/0//
R/0//
T/JOHN DOE/CONTAINER SHIPPERS INC, 500 PORT ROAD, ROOM 123, LOS ANGELES, CA, USA 90050/213-123-1234//
U/199.90/27227/CONTAINER SHIP//
W/15//

Table E.5–Example Entry Report

CORAL SHIPREP//
A/SEA ROVER/WFSU/USA/IMO 8674208/DOC 602011//
B/011515Z JUN//
C/2747N/17416W//
R/0//

(FR 12/3/08) 10/99

Page 622—Paragraph 881, line 3 to Page 624; read:

Areas to be Avoided. (See **50 CFR 404–Appendix E**, chapter 2, for reporting requirements.)

(FR 12/3/08) 10/09

COAST PILOT 7 41 Ed 2009 Change No. 6

Page 49—Paragraph 131 to Page 51—Paragraph 182; read:

§922.70 Boundary.

The Channel Islands National Marine Sanctuary (Sanctuary) consists of an area of approximately 1,110 square nautical miles (nmi) of coastal and ocean waters, and the submerged lands thereunder, off the southern coast of California. The Sanctuary boundary begins at the Mean High Water Line of and extends seaward to a distance of approximately six nmi from the following islands and offshore rocks: San Miguel Island, Santa Cruz Island, Santa Rosa Island, Anacapa Island, Santa Barbara Island, Richardson Rock, and Castle Rock (the Islands). The seaward boundary coordinates are listed in Appendix A to this subpart.

§922.71 Definitions.

In addition to those definitions found at 15 CFR 922.3, the following definitions apply to this subpart:

Cruise ship means a vessel with 250 or more passenger berths for hire.

Graywater means galley, bath or shower water.

Introduced species means any species (including but not limited to any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Motorized personal watercraft means a vessel, usually less than 16 feet in length, which uses an inboard, internal combustion engine powering a water jet pump as its primary source of propulsion. The vessel is intended to be operated by a person or persons sitting, standing or kneeling on the vessel, rather than within the confines of the hull. The length is measured from end to end over the deck excluding sheer, meaning a straight line measurement of the overall length from the foremost part of the vessel to the aftermost part of the vessel, measured parallel to the centerline. Bow sprits, bumpkins, rudders, outboard motor brackets, and similar fittings or attachments, are not included in the measurement. Length is stated in feet and inches.

Oceangoing ship means a private, commercial, government or military vessel of 300 gross registered tons or more, not including cruise ships.

Pelagic finfish are defined as: Northern anchovy, (*Engraulis mordax*), barracudas (*Sphyraena spp.*), billfishes (*family Istiophoridae*), dolphinfish (*Coryphaena hippurus*), Pacific herring (*Clupea pallasi*), jack mackerel (*Trachurus symmetricus*), Pacific mackerel (*Scomber japonicus*), salmon (*Oncorhynchus spp.*), Pacific sardine (*Sardinops sagax*), blue shark (*Prionace glauca*), salmon shark (*Lamna ditropis*), shortfin mako shark (*Isurus oxyrichus*), thresher sharks (*Alopias spp.*), swordfish (*Xiphias gladius*), tunas (*family Scombridae*), and yellowtail (*Seriola lalandi*).

Stowed and not available for immediate use means not readily accessible for immediate use, e.g., by being securely covered and lashed to a deck or bulkhead, tied down, unbaited, unloaded, or partially disassembled (such as spear shafts being kept separate from spear guns).

§922.72 Prohibited or otherwise regulated activities–Sanctuary-wide.

(a) Except as specified in paragraphs (b) through (e) of this section, the following activities are prohibited and thus unlawful for any person to conduct or cause to be conducted:

(1) Exploring for, developing, or producing hydrocarbons within the Sanctuary, except pursuant to leases executed prior to March 30, 1981, and except the laying of pipeline pursuant to exploring for, developing, or producing hydrocarbons.

(2) Exploring for, developing, or producing minerals within the Sanctuary, except producing byproducts incidental to hydrocarbon production allowed by paragraph (a) (1) of this section.

(3)(i) Discharging or depositing from within or into the Sanctuary any material or other matter except:

(A) Fish, fish parts, or chumming materials (bait) used in or resulting from lawful fishing activity within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activity within the Sanctuary;

(B) For a vessel less than 300 gross registered tons (GRT), or an oceangoing ship without sufficient holding tank capacity to hold sewage while within the Sanctuary, biodegradable effluent generated incidental to

vessel use by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended, (FWPCA), 33 U.S.C. 1321 et seq. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(C) Biodegradable matter from:

(1) Vessel deck wash down;

(2) Vessel engine cooling water;

(3) Graywater from a vessel less than 300 gross registered tons;

(4) Graywater from an oceangoing ship without sufficient holding tank capacity to hold graywater while within the Sanctuary;

(D) Vessel engine or generator exhaust;

(E) Effluent routinely and necessarily discharged or deposited incidental to hydrocarbon exploration, development, or production allowed by paragraph (a) (1) of this section; or

(F) Discharge allowed under section 312(n) of the FWPCA.

(ii) Discharging or depositing from beyond the boundary of the Sanctuary any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except those listed in paragraphs (a)(3)(i)(B) through (F) of this section and fish, fish parts, or chumming materials (bait) used in or resulting from lawful fishing activity there.

(4) Drilling into, dredging, or otherwise altering the submerged lands of the Sanctuary, or constructing or placing any structure, material, or other matter on or in the submerged lands of the Sanctuary, except as incidental to and necessary to:

(i) Anchor a vessel;

(ii) Install an authorized navigational aid;

(iii) Conduct lawful fishing activity;

(iv) Lay pipeline pursuant to exploring for, developing or producing hydrocarbons; or

(v) Explore for, develop, or produce hydrocarbons as allowed by paragraph (a)(1) of this section.

(5) Abandoning any structure, material, or other matter on or in the submerged lands of the Sanctuary.

(6) Except to transport persons or supplies to or from any Island, operating within one nmi of any Island any vessel engaged in the trade of carrying cargo, including, but not limited to, tankers and other bulk carriers and barges, any vessel engaged in the trade of servicing offshore installations, or any vessel of three hundred gross registered tons or more, except fishing or kelp harvesting vessels.

(7) Disturbing a sea bird or marine mammal by flying a motorized aircraft at less than 1,000 feet over the waters within one nmi of any Island, except (if allowed under paragraph (a)(9) of this section):

(i) To engage in kelp bed surveys; or

(ii) To transport persons or supplies to or from an Island.

(8) Moving, removing, injuring, or possessing, or attempting to move, remove, injure, or possess a Sanctuary historical resource.

(9) Taking any marine mammal, sea turtle, or sea bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 et seq., Endangered Species Act, as amended, (ESA), 16 U.S.C. 1531 et seq., Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 et seq., or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(10) Possessing within the Sanctuary (regardless of where taken from, moved, or removed from) any marine mammal, sea turtle, or seabird, except as authorized by the MMPA, ESA, MBTA, or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(11) Marking, defacing, damaging, moving, removing, or tampering with any sign, notice, or placard, whether temporary or permanent, or any monument, stake, post, or other boundary marker related to the Sanctuary.

(12) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except striped bass (Marone saxatilis) released during catch and release fishing activity.

(13) Operating a motorized personal watercraft within waters of the Sanctuary that are coextensive with the Channel Islands National Park, established by 16 U.S.C. 410 (ff).

(b)(1) The prohibitions in paragraphs (a)(3) through (13) of this section and in §922.73 do not apply to military activities carried out by DOD as of the effective date of these regulations and specifically identified in section 3.5.9 (Department of Defense Activities) of the Final Channel Islands Marine Sanctuary Management Plan/ Final Environmental Impact Statement (FMP/FEIS), Volume II: Environmental Impact Statement, 2008, authored and published by NOAA ("pre-existing activities"). Copies of the document are available from the Channel Islands National Marine Sanctuary, 113 Harbor Way, Santa Barbara, CA 93109. Other military activities carried out by DOD may be exempted by the Director after consultation between the Director and DOD.

(2) A military activity carried out by DOD as of the effective date of these regulations and specifically iden-

tified in the section entitled "Department of Defense Activities" of the FMP/FEIS is not considered a pre-existing activity if:

(i) It is modified in such a way that requires the preparation of an environmental assessment or environmental impact statement under the National Environmental Policy Act, 42 U.S.C. 4321 et seq., relevant to a Sanctuary resource or quality;

(ii) It is modified, including but not limited to changes in location or frequency, in such a way that its possible adverse effects on Sanctuary resources or qualities are significantly greater than previously considered for the unmodified activity;

(iii) It is modified, including but not limited to changes in location or frequency, in such a way that its possible adverse effects on Sanctuary resources or qualities are significantly different in manner than previously considered for the unmodified activity; or

(iv) There are new circumstances or information relevant to a Sanctuary resource or quality that was not addressed in the FMP/FEIS.

(3) In the event of destruction of, loss of, or injury to a Sanctuary resource or quality resulting from an incident, including, but not limited to, discharges, deposits, and groundings caused by a DOD activity, DOD, in coordination with the Director, must promptly prevent and mitigate further damage and must restore or replace the Sanctuary resource or quality in a manner approved by the Director.

(4) All DOD activities must be carried out in a manner that avoids to the maximum extent practicable any adverse impacts on Sanctuary resources and qualities.

(c) The prohibitions in paragraphs (a)(3) through (10), (a)(12), and (a)(13) of this section and in § 922.73 do not apply to any activity conducted under and in accordance with the scope, purpose, terms, and conditions of a National Marine Sanctuary permit issued pursuant to 15 CFR 922.48 and 922.74.

(d) The prohibitions in paragraphs (a)(3) through (11) and (a)(13) of this section and in §922.73 do not apply to any activity necessary to respond to an emergency threatening life, property, or the environment.

(e) The prohibitions in paragraphs (a)(3) through (11) and (a)(13) of this section and in § 922.73 do not apply to any activity necessary for valid law enforcement purposes in the Sanctuary.

§922.73 Additional prohibited or otherwise regulated activities–marine reserves and marine conservation area.

(a) Marine reserves. The following activities are prohibited and thus unlawful for any person to conduct or cause to be conducted within a marine reserve, except as specified in paragraphs (b) through (e) of § 922.72:

(1) Harvesting, removing, taking, injuring, destroying, collecting, moving, or causing the loss of any Sanctuary resource, or attempting any of these activities.

(2) Possessing fishing gear on board a vessel unless such gear is stowed and not available for immediate use.

(3) Possessing any Sanctuary resource, except legally harvested fish on board a vessel at anchor or in transit.

(b) Marine conservation area. The following activities are prohibited and thus unlawful for any person to conduct or cause to be conducted within the marine conservation area as specified in paragraphs (b) through (e) of §922.72.

(1) Harvesting, removing, taking, injuring, destroying, collecting, moving, or causing the loss of any Sanctuary resource, or attempting any of these activities, except:

(i) Recreational fishing of pelagic finfish; or

(ii) Commercial and recreational fishing for lobster.

(2) Possessing fishing gear on board a vessel, except legal fishing gear used to fish for lobster or pelagic finfish unless such gear is stowed and not available for immediate use.

(3) Possessing any Sanctuary resource except for legally harvested fish.

§922.74 Permit procedures and issuance criteria.

(a) A person may conduct an activity prohibited by §922.72 (a)(3) through (10), (a)(12), and (a)(13), and §922.73, if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms, and conditions of, a permit issued under §922.48 and this section.

(b) The Director, at his or her sole discretion, may issue a permit, subject to terms and conditions as he or she deems appropriate, to conduct an activity prohibited by §922.72(a)(3) through (10), (a)(12), and (a)(13), and §922.73, if the Director finds that the activity:

(1) Is appropriate research designed to further understanding of Sanctuary resources and qualities;

(2) Will further the educational value of the Sanctuary;

(3) Will further salvage or recovery operations in or near the Sanctuary in connection with a recent air or marine casualty;

(4) Will assist in managing the Sanctuary; or

(5) Will further salvage or recovery operations in connection with an abandoned shipwreck in the Sanctuary title to which is held by the State of California.

(c) The Director may not issue a permit under §922.48 and this section unless the Director also finds that:

(1) The proposed activity will have at most short-term and negligible adverse effects on Sanctuary resources and qualities;

(2) The applicant is professionally qualified to conduct and complete the proposed activity;

(3) The applicant has adequate financial resources available to conduct and complete the proposed activity;

(4) The duration of the proposed activity is no longer than necessary to achieve its stated purpose;

(5) The methods and procedures proposed by the applicant are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(6) The proposed activity will be conducted in a manner compatible with the primary objective of protec-tion of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary, or cumulative effects of the activity, and the duration of such effects;

(7) The proposed activity will be conducted in a manner compatible with the value of the Sanctuary as a source of recreation and as a source of educational and scientific information, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary and the duration of such effects;

(8) It is necessary to conduct the proposed activity within the Sanctuary;

(9) The reasonably expected end value of the proposed activity furthers Sanctuary goals and purposes and outweighs any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity; and

(10) Any other matters the Director deems appropriate do not make the issuance of a permit for the proposed activity inappropriate.

(d) Applications. (1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Manager, Channel Islands National Marine Sanctuary, 113 Harbor Way, Santa Barbara, CA 93109.

(2) In addition to the information listed in §922.48(b), all applications must include information the Director needs to make the findings in paragraphs (b) and (c) of this section.

(e) In addition to any other terms and conditions that the Director deems appropriate, a permit issued pursuant to this section must require that the permittee agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

(FR 1/16/2009) 10/09

COAST PILOT 7 41 Ed 2009 Change No. 7

Page 275—Paragraph 146, lines 1 to 6; read:

In July 2008, the controlling depths were 15 feet in the entrance (except for lesser depths along the S breakwater, thence 11 feet in the channel that leads WNW to the W basin (except for shoaling to bare in the SW half of the channel opposite Daybeacon 14); the channel to the E basin had a depth of 10 feet. The harbor …

(DD 12171) 10/09

Page 295—Paragraph 431, lines 3 to 6; read:

is just N of the entrance basin. In July-September 2008, the controlling depths were 12 feet in the entrance channel (except for shoaling to 2 feet along the right edge of the channel near Light 4), thence depths of 13 to 16 feet were available in the entrance basin and depths of 8 to 9 feet were available in the inner basin.

(DD 12461; DD 12141) 10/09

Page 340—Paragraph 120; strike out.

(CL 82/09; CL 1374/06) 10/09

Page 346—Paragraph 188, line 5; read:

equipped with a racon.

Blossom Rock, covered 40 feet and marked on the W side by a lighted bell buoy, is about 1 mile SE of Alcatraz Island. Another rock, covered 43 feet, is 0.3 mile S of Blossom Rock.

(NOS 18650; DD 12928; CL 17/09) 10/09

Page 349—Paragraph 237, lines 3 to 7; read:

depth of 35 feet is off the entrance. Two bascule bridges, the Illinois Street Bridge and the 3rd Street Bridge, cross the creek about 0.6 mile above the mouth; both have clearances of 4 feet. (See **117.59 and 117.163**, chapter 2, for drawbridge regulations.) The bridgetender at the 3rd Street Bridge monitors VHF-FM channel 16 and uses …

(CL 1381/08) 10/09

Page 349—Paragraph 244, line 8; read:

docks on the Oakland side.

Ferries

There are several passenger ferries that operate in and around San Francisco Bay with a heavy concentration in the waters surrounding the Ferry building, the terminus for many of the ferry routes. Mariners are cautioned when transiting these waters around the Ferry building as ferries will be maneuvering and loading/unloading passengers. Mariners are further cautioned that ferries operating in San Francisco Bay may deviate from their routes due to inclement weather,

traffic conditions, navigational hazards, or other emergency conditions.

The **San Francisco Harbor Safety Committee**, in conjunction with the Coast Guard, has established a **Ferry Traffic Routing Protocol** for: the area surrounding the Ferry building terminal along the waterfront of San Francisco, the waters of Central San Francisco Bay, and the waters of San Pablo Bay. The protocol is intended to increase safety in the area by reducing traffic conflicts. Ferryboat operators and other mariners should be aware of these safety measures and adhere to the procedures set forth in the protocol. For additional information, see the San Francisco Vessel Traffic Service website http://www.uscg.mil/d11/vtssf.

(CL 82/09; CL 1374/06) 10/09

Page 491—Paragraph 162, line 21; read:

moorage in the basin and can be contacted at 360-417-3440; VHF-FM is not monitored.

(DB 17114) 10/09

Page 593—Paragraph 449, lines 3 to 11; read:

wide. The entrance is through a break in the reef from the SE. A privately dredged channel continues from the harbor to a three-fingered boat lagoon called **Pukoo Lagoon**. The entrance to the lagoon is a 60-yard opening through a rock seawall. A depth of 12 feet can be carried across the harbor entrance to the lagoon channel. The lagoon channel has a depth of 6 feet with a depth of 4 feet inside. The lagoon offers excellent protection …

(BP 192728; NOS 19353) 10/09

Page 594—Paragraph 452, lines 5 to 11; read:

into the reef. The entrance to the harbor is through a break in an outer reef. The outer reef has general depths of 1 to 6 feet and the entrance through the break has a least depth of 11 feet. A lighted buoy is off the entrance. The coral reef marking the limits of deep …

(BP 192727; NOS 19353) 10/09

Page 595—Paragraph 466; read:

An abandoned barge harbor (**Lono Harbor**) is at Haleolono Point. The entrance is marked by a **345°** private unlighted range. Two breakwaters provide protection for the harbor. Local knowledge is advisable for entering.

(NOS 19353; CL 562/02; NM 06/04) 10/09

Page 56—Paragraph 263 to Page 62—Paragraph 359; read:

Subpart K—Cordell Bank National Marine Sanctuary

§922.110 Boundary.

The Cordell Bank National Marine Sanctuary (Sanctuary) boundary encompasses a total area of approximately 399 square nautical miles (nmi) of ocean waters, and submerged lands thereunder, off the northern coast of California approximately 50 miles west-northwest of San Francisco, California. The Sanctuary boundary extends westward (approximately 250 degrees) from the northwestern most point of the Gulf of the Farallones National Marine Sanctuary (GFNMS) to the 1,000 fathom isobath northwest of Cordell Bank. The Sanctuary boundary then generally follows this isobath in a southerly direction to the westernmost point of the GFNMS boundary. The Sanctuary boundary then follows the GFNMS boundary again to the northwestern corner of the GFNMS. (Reference NOS Chart 18640).

§922.111 Definitions.

In addition to the definitions found in §922.3, the following definitions apply to this subpart:

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C.

Introduced species means any species (including, but not limited to, any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

§922.112 Prohibited or otherwise regulated activities.

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within the Sanctuary:

(1)(i) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter except:

(A) Fish, fish parts, or chumming materials (bait), used in or resulting from lawful fishing activity within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activity within the Sanctuary;

(B) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use and generated by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended, (FWPCA), 33 U.S.C. 1322. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(C) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash; or

(D) Vessel engine or generator exhaust.

(ii) Discharging or depositing, from within or into the Sanctuary, any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(iii) Discharging or depositing, from beyond the boundary of the Sanctuary, any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except as listed in paragraphs (a)(1)(i) and (a)(1)(ii) of this section.

(2) On or within the line representing the 50-fathom isobath surrounding Cordell Bank, removing, taking, or injuring or attempting to remove, take, or injure benthic invertebrates or algae located on Cordell Bank. This prohibition does not apply to use of bottom contact gear used during fishing activities, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States). (Reference NOS Chart 18645). There is a rebuttable presumption that any such resource found in the possession of a person within the Sanctuary was taken or removed by that person.

(3) Exploring for, or developing or producing, oil, gas, or minerals in any area of the Sanctuary.

(4)(i) On or within the line representing the 50-fathom isobath surrounding Cordell Bank, drilling into, dredging, or otherwise altering the submerged lands; or constructing, placing, or abandoning any structure, material or other matter on or in the submerged lands. This prohibition does not apply to use of bottom contact gear used during fishing activities, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States). (Reference NOS Chart 18645).

(ii) In the Sanctuary beyond the line representing the 50-fathom isobath surrounding Cordell Bank, drilling into, dredging, or otherwise altering the submerged lands; or constructing, placing, or abandoning any structure, material or matter on the submerged lands except as incidental and necessary for anchoring any vessel or lawful use of any fishing gear during normal fishing activities. (Reference NOS Chart 18645).

(5) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 et seq., Endangered Species Act, as amended, (ESA), 16 U.S.C. 1531 et seq., Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 et seq., or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(6) Possessing within the Sanctuary (regardless of where taken, moved or removed from), any marine mammal, sea turtle or bird taken, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(7) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except striped bass (Morone saxatilis) released during catch and release fishing activity.

(b) The prohibitions in paragraph (a) of this section do not apply to activities necessary to respond to an emergency threatening life, property or the environment, or except as may be permitted by the Director in accordance with §922.48 and §922.113.

(c) All activities being carried out by the Department of Defense (DOD) within the Sanctuary on the effective date of designation that are necessary for national defense are exempt from the prohibitions contained in the regulations in this subpart. Additional DOD activities initiated after the effective date of designation that are necessary for national defense will be exempted by the Director after consultation between the Department of Commerce and DOD. DOD activities not necessary for national defense, such as routine exercises and vessel operations, are subject to all prohibitions contained in the regulations in this subpart.

(d) Where necessary to prevent immediate, serious, and irreversible damage to a Sanctuary resource, any activity may be regulated within the limits of the Act on an emergency basis for no more than 120 days.

§922.113 Permit procedures and issuance criteria.

(a) A person may conduct an activity prohibited by §922.112 if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms and conditions of, a permit issued under §922.48 and this section.

(b) The Director, at his or her discretion, may issue a national marine sanctuary permit under this section, subject to terms and conditions, as he or she deems appropriate, if the Director finds that the activity will:

(1) Further research or monitoring related to Sanctuary resources and qualities;

(2) Further the educational value the Sanctuary;

(3) Further salvage or recovery operations in or near the Sanctuary in connection with a recent air or marine casualty; or

(4) Assist in managing the Sanctuary.

(c) In deciding whether to issue a permit, the Director shall consider such factors as:

(1) The applicant is qualified to conduct and complete the proposed activity;

(2) The applicant has adequate financial resources available to conduct and complete the proposed activity;

(3) The methods and procedures proposed by the applicant are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(4) The proposed activity will be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary or cumulative effects of the activity, and the duration of such effects;

(5) The proposed activity will be conducted in a manner compatible with the value of the Sanctuary, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary, and the duration of such effects;

(6) It is necessary to conduct the proposed activity within the Sanctuary;

(7) The reasonably expected end value of the proposed activity to the furtherance of Sanctuary goals and purposes outweighs any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity; and

(8) Any other factors as the Director deems appropriate.

(d) Applications.

(1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Cordell Bank National Marine Sanctuary, P.O. Box 159, Olema, CA 94950.

(2) In addition to the information listed in §922.48(b), all applications must include information to be considered by the Director in paragraph (b) and (c) of this section.

(e) The permittee must agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

Subpart M—Monterey Bay National Marine Sanctuary

§922.130 Boundary.

The Monterey Bay National Marine Sanctuary (Sanctuary) consists of two separate areas.

(a) The first area consists of an area of approximately 4,016 square nautical miles (nmi) of coastal and ocean waters, and submerged lands thereunder, in and surrounding Monterey Bay off the central coast of California. The northern terminus of the Sanctuary boundary is located along the southern boundary of the Gulf of the Farallones National Marine Sanctuary (GFNMS) beginning at Rocky Point just south of Stinson Beach in Marin County. The Sanctuary boundary follows the GFNMS boundary westward to a point approximately 29 nmi offshore from Moss Beach in San Mateo County. The Sanctuary boundary then extends southward in a series of arcs, which generally follow the 500 fathom isobath, to a point approximately 27 nmi offshore of Cambria, in San Luis Obispo County. The Sanctuary boundary then extends eastward towards shore until it intersects the Mean High Water Line (MHWL) along the coast near Cambria. The Sanctuary boundary then follows the MHWL northward to the northern terminus at Rocky Point. The shoreward Sanctuary boundary excludes a small area between Point Bonita and Point San Pedro. Pillar Point Harbor, Santa Cruz Harbor, Monterey Harbor, and Moss Landing Harbor are all excluded from the Sanctuary except for Moss Landing Harbor, where all of Elkhorn Slough east of the Highway One bridge, and west of the tide gate at Elkhorn Road and toward the center channel from the MHWL is included within the Sanctuary, excluding areas within the Elkhorn Slough National Estuarine Research Reserve. (Reference NOS Charts 18680 and 18700).

(b) The Davidson Seamount Management Zone is also part of the Sanctuary. This area, bounded by geodetic lines connecting a rectangle centered on the top of the Davidson Seamount, consists of approximately 585 square nmi of ocean waters and the submerged lands thereunder. The shoreward boundary of this portion of the Sanctuary is located approximately 65 nmi off the coast of San Simeon in San Luis Obispo County. Exact coordinates for the Davidson

Seamount Management Zone boundary are provided in Appendix F to this subpart.

§922.131 Definitions.

In addition to those definitions found at 15 CFR 922.3, the following definitions apply to this subpart:

Attract or attracting means the conduct of any activity that lures or may lure any animal by using food, bait, chum, dyes, decoys, acoustics, or any other means, except the mere presence of human beings (e.g., swimmers, divers, boaters, kayakers, surfers).

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Davidson Seamount Management Zone means the area bounded by geodetic lines connecting a rectangle centered on the top of the Davidson Seamount, and consists of approximately 585 square nmi of ocean waters and the submerged lands thereunder. The shoreward boundary of this portion of the Sanctuary is located approximately 65 nmi off the coast of San Simeon in San Luis Obispo County. Exact coordinates for the Davidson Seamount Management Zone boundary are provided in Appendix F to this subpart.

Deserting means leaving a vessel aground or adrift without notification to the Director of the vessel going aground or becoming adrift within 12 hours of its discovery and developing and presenting to the Director a preliminary salvage plan within 24 hours of such notification, after expressing or otherwise manifesting intention not to undertake or to cease salvage efforts, or when the owner/operator cannot after reasonable efforts by the Director be reached within 12 hours of the vessel's condition being reported to authorities; or leaving a vessel at anchor when its condition creates potential for a grounding, discharge, or deposit and the owner/operator fails to secure the vessel in a timely manner.

Federal Project means any water resources development project conducted by the U.S. Army Corps of Engineers or operating under a permit or other authorization issued by the Corps of Engineers and authorized by Federal law.

Hand tool means a hand-held implement, utilized for the collection of jade pursuant to 15 CFR 922.132(a)(1), that is no greater than 36 inches in length and has no moving parts (e.g., dive knife, pry bar, or abalone iron). Pneumatic, mechanical, electrical, hydraulic, or explosive tools are, therefore, examples of what does not meet this definition.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: Fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C. 9601(14) of the Comprehensive Environmental Response, Compensation and Liability Act at 40 CFR 302.4.

Introduced species means: Any species (including but not limited to any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Motorized personal watercraft (MPWC) means any vessel, propelled by machinery, that is designed to be operated by standing, sitting, or kneeling on, astride, or behind the vessel, in contrast to the conventional manner, where the operator stands or sits inside the vessel; any vessel less than 20 feet in length overall as manufactured and propelled by machinery and that has been exempted from compliance with the U.S. Coast Guard's Maximum Capacities Marking for Load Capacity regulation found at 33 CFR Parts 181 and 183, except submarines; or any other vessel that is less than 20 feet in length overall as manufactured, and is propelled by a water jet pump or drive.

§922.132 Prohibited or otherwise regulated activities.

(a) Except as specified in paragraphs (b) through (e) of this section, the following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted:

(1) Exploring for, developing, or producing oil, gas, or minerals within the Sanctuary, except: Jade may be collected (meaning removed) from the area bounded by the 35.92222 N latitude parallel (coastal reference point: Beach access stairway at south Sand Dollar Beach), the 35.88889 N latitude parallel (coastal reference point: Westernmost tip of Cape San Martin), and from the mean high tide line seaward to the 90-foot isobath (depth line) (the “authorized area”) provided that:

(i) Only jade already loose from the submerged lands of the Sanctuary may be collected;

(ii) No tool may be used to collect jade except:

(A) A hand tool (as defined at 15 CFR 922.131) to maneuver or lift the jade or scratch the surface of a stone as necessary to determine if it is jade;

(B) A lift bag or multiple lift bags with a combined lift capacity of no more than two hundred pounds; or

(C) A vessel (except for motorized personal watercraft) (see paragraph (a)(7) of this section) to provide access to the authorized area;

(iii) Each person may collect only what that person individually carries; and

(iv) For any loose piece of jade that cannot be collected under paragraphs (a)(1) (ii) and (iii) of this section, any person may apply for a permit to collect such a loose piece by following the procedures in 15 CFR 922.133.

(2)(i) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter, except:

(A) Fish, fish parts, chumming materials, or bait used in or resulting from lawful fishing activities within the Sanctuary, provided that such discharge or deposit is during the conduct of lawful fishing activities within the Sanctuary;

(B) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended (FWPCA), 33 U.S.C. 1322. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(C) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash;

(D) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding capacity to hold graywater while within the Sanctuary, clean graywater as defined by section 312 of the FWPCA;

(E) Vessel engine or generator exhaust; or

(F) Dredged material deposited at disposal sites authorized by the U.S. Environmental Protection Agency (EPA) (in consultation with the U.S. Army Corps of Engineers (COE)) prior to the effective date of Sanctuary designation (January 1, 1993), provided that the activity is pursuant to, and complies with the terms and conditions of, a valid Federal permit or approval existing on January 1, 1993. Authorized disposal sites within the Sanctuary are described in Appendix C to this subpart.

(ii) Discharging or depositing from within or into the Sanctuary any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(iii) Discharging or depositing from beyond the boundary of the Sanctuary any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except those listed in paragraphs (a)(2)(i)(A) through (E) and (a)(2)(ii) of this section and dredged material deposited at the authorized disposal sites, described in Appendix D to this subpart, provided that the dredged material disposal is pursuant to, and complies with the terms and conditions of, a valid Federal permit or approval.

(3) Possessing, moving, removing, or injuring, or attempting to possess, move, remove, or injure, a Sanctuary historical resource. This prohibition does not apply to, moving, removing, or injury resulting incidentally from kelp harvesting, aquaculture, or lawful fishing activities.

(4) Drilling into, dredging, or otherwise altering the submerged lands of the Sanctuary; or constructing, placing, or abandoning any structure, material, or other matter on or in the submerged lands of the Sanctuary, except as incidental and necessary to:

(i) Conduct lawful fishing activities;

(ii) Anchor a vessel;

(iii) Conduct aquaculture or kelp harvesting;

(iv) Install an authorized navigational aid;

(v) Conduct harbor maintenance in an area necessarily associated with a Federal Project in existence on January 1, 1993, including dredging of entrance channels and repair, replacement, or rehabilitation of breakwaters and jetties;

(vi) Construct, repair, replace, or rehabilitate a dock or pier; or

(vii) Collect jade pursuant to paragraph (a)(1) of this section, provided that there is no constructing, placing, or abandoning any structure, material, or other matter on or in the submerged lands of the Sanctuary, other than temporary placement of an authorized hand tool as provided in paragraph (a)(1) of this section. The exceptions listed in paragraphs (a)(4)(ii) through (a)(4)(vii) of this section do not apply within the Davidson Seamount Management Zone.

(5) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 et seq., Endangered Species Act, as amended, (ESA), 16 U.S.C. 1531 et seq., Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 et seq.,

or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(6) Flying motorized aircraft, except as necessary for valid law enforcement purposes, at less than 1,000 feet above any of the four zones within the Sanctuary described in Appendix B to this subpart.

(7) Operating motorized personal watercraft within the Sanctuary except within the five designated zones and access routes within the Sanctuary described in Appendix E to this subpart. Zone Five (at Pillar Point) exists only when a High Surf Warning has been issued by the National Weather Service and is in effect for San Mateo County, and only during December, January, and February.

(8) Possessing within the Sanctuary (regardless of where taken, moved, or removed from), any marine mammal, sea turtle, or bird, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(9) Deserting a vessel aground, at anchor, or adrift in the Sanctuary.

(10) Leaving harmful matter aboard a grounded or deserted vessel in the Sanctuary.

(11)(i)Moving, removing, taking, collecting, catching, harvesting, disturbing, breaking, cutting, or otherwise injuring, or attempting to move, remove, take, collect, catch, harvest, disturb, break, cut, or otherwise injure, any Sanctuary resource located more than 3,000 feet below the sea surface within the Davidson Seamount Management Zone. This prohibition does not apply to fishing below 3,000 feet within the Davidson Seamount Management Zone, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States).

(ii) Possessing any Sanctuary resource the source of which is more than 3,000 feet below the sea surface within the Davidson Seamount Management Zone. This prohibition does not apply to possession of fish resulting from fishing below 3,000 feet within the Davidson Seamount Management Zone, which is prohibited pursuant to 50 CFR part 660 (Fisheries off West Coast States).

(12) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except striped bass (Morone saxatilis) released during catch and release fishing activity.

(13) Attracting any white shark within the Sanctuary.

(14) Interfering with, obstructing, delaying, or preventing an investigation, search, seizure, or disposition of seized property in connection with enforcement of the Act or any regulation or permit issued under the Act.

(b) The prohibitions in paragraphs (a)(2) through (11) of this section do not apply to an activity necessary to respond to an emergency threatening life, property, or the environment.

(c)(1) All Department of Defense activities must be carried out in a manner that avoids to the maximum extent practicable any adverse impacts on Sanctuary resources and qualities. The prohibitions in paragraphs (a)(2) through (12) of this section do not apply to existing military activities carried out by the Department of Defense, as specifically identified in the Final Environmental Impact Statement and Management Plan for the Proposed Monterey Bay National Marine Sanctuary (NOAA, 1992). (Copies of the FEIS/MP are available from the Monterey Bay National Marine Sanctuary, 299 Foam Street, Monterey, CA 93940.) For purposes of the Davidson Seamount Management Zone, these activities are listed in the 2008 Final Environmental Impact Statement. New activities may be exempted from the prohibitions in paragraphs (a)(2) through (12) of this section by the Director after consultation between the Director and the Department of Defense.

(2) In the event of destruction of, loss of, or injury to a Sanctuary resource or quality resulting from an incident, including but not limited to discharges, deposits, and groundings, caused by a Department of Defense activity, the Department of Defense, in coordination with the Director, must promptly prevent and mitigate further damage and must restore or replace the Sanctuary resource or quality in a manner approved by the Director.

(d) The prohibitions in paragraph (a)(1) of this section as it pertains to jade collection in the Sanctuary, and paragraphs (a)(2) through (11) and (a)(13) of this section, do not apply to any activity conducted under and in accordance with the scope, purpose, terms, and conditions of a National Marine Sanctuary permit issued pursuant to 15 CFR 922.48 and 922.133 or a Special Use permit issued pursuant to section 310 of the Act.

(e) The prohibitions in paragraphs (a)(2) through (a)(8) of this section do not apply to any activity authorized by any lease, permit, license, approval, or other authorization issued after the effective date of Sanctuary designation (January 1, 1993) and issued by any Federal, State, or local authority of competent jurisdiction, provided that the applicant complies with 15 CFR 922.49, the Director notifies the applicant and authorizing agency that he or she does not object to issuance of the authorization, and the applicant complies with any terms and conditions the Director deems necessary to protect Sanctuary resources and qualities. Amendments, renewals, and extensions of authorizations in existence on the effective date of designation constitute authorizations issued after the effective date of Sanctuary designation.

(f) Notwithstanding paragraphs (d) and (e) of this section, in no event may the Director issue a National Marine Sanctuary permit under 15 CFR 922.48 and 922.133 or a Special Use permit under section 310 of the Act authorizing, or otherwise approve: the exploration for, development, or production of oil, gas, or minerals within the Sanctuary, except for the collection of jade pursuant to paragraph (a)(1) of this section; the discharge of primary-treated sewage within the Sanctuary (except by certification, pursuant to 15 CFR 922.47, of valid authorizations in existence on January 1, 1993 and issued by other authorities of competent jurisdiction); or the disposal of dredged material within the Sanctuary other than at sites authorized by EPA (in consultation with COE) prior to January 1, 1993. Any purported authorizations issued by other authorities within the Sanctuary shall be invalid.

§922.133 Permit procedures and criteria.

(a) A person may conduct an activity prohibited by §922.132(a)(1) as it pertains to jade collection in the Sanctuary, §922.132(a)(2) through (11), and §922.132(a)(13), if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms, and conditions of, a permit issued under this section and 15 CFR 922.48.

(b) The Director, at his or her sole discretion, may issue a permit, subject to terms and conditions as he or she deems appropriate, to conduct an activity prohibited by §922.132 (a)(1) as it pertains to jade collection in the Sanctuary, §922.132(a)(2) through (11), and §922.132(a)(13), if the Director finds that the activity will have at most short-term and negligible adverse effects on Sanctuary resources and qualities and:

(1) Is research designed to further understanding of Sanctuary resources and qualities;

(2) Will further the educational, natural, or historical value of the Sanctuary;

(3) Will further salvage or recovery operations within or near the Sanctuary in connection with a recent air or marine casualty;

(4) Will assist in managing the Sanctuary;

(5) Will further salvage or recovery operations in connection with an abandoned shipwreck in the Sanctuary title to which is held by the State of California; or

(6) Will allow the removal, without the use of pneumatic, mechanical, electrical, hydraulic or explosive tools, of loose jade from the Jade Cove area under §922.132(a)(1)(iv).

(c) In deciding whether to issue a permit, the Director shall consider such factors as:

(1) Will the activity be conducted by an applicant that is professionally qualified to conduct and complete the activity;

(2) Will the activity be conducted by an applicant with adequate financial resources available to conduct and com-plete the activity;

(3) Is the activity proposed for no longer than necessary to achieve its stated purpose;

(4) Must the activity be conducted within the Sanctuary;

(5) Will the activity be conducted using methods and procedures that are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(6) Will the activity be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary, or cumulative effects of the activity, and the duration of such effects;

(7) Will the activity be conducted in a manner compatible with the value of the Sanctuary as a source of recreation and as a source of educational and scientific information, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary and the duration of such effects; and

(8) Does the reasonably expected end value of the activity to the furtherance of the Sanctuary goals and objectives outweigh any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity.

(d) For jade collection, preference will be given for applications proposing to collect loose pieces of jade for research or educational purposes.

(e) The Director may consider such other factors as he or she deems appropriate.

(f) Applications.

(1) Applications for permits should be addressed to the Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Monterey Bay National Marine Sanctuary, 299 Foam Street, Monterey, CA 93940.

(2) In addition to the information listed in 15 CFR 922.48(b), all applications must include information the Director needs to make the findings in paragraph (b) of this section and information to be considered by the Director pursuant to paragraph (c) of this section.

(g) In addition to any other terms and conditions that the Director deems appropriate, a permit issued pursuant to this section must require that the permittee agree to hold the

United States harmless against any claims arising out of the conduct of the permitted activities.

§922.134 Notification and review.

(a) [Reserved]

(b)(1) NOAA has entered into a Memorandum of Agreement (MOA) with the State of California, EPA, and the Association of Monterey Bay Area Governments regarding the Sanctuary regulations relating to water quality within State waters within the Sanctuary.

With regard to permits, the MOA encompasses:

(i) National Pollutant Discharge Elimination System (NPDES) permits issued by the State of California under section 13377 of the California Water Code; and

(ii) Waste Discharge Requirements issued by the State of California under section 13263 of the California Water Code.

(2) The MOA specifies how the process of 15 CFR 922.49 will be administered within State waters within the Sanctuary in coordination with the State permit program.

Appendix B to Subpart M of Part 922—Zones Within the Sanctuary Where Overflights Below 1,000 Feet are Prohibited

The four zones are:

(1) From mean high water out to three miles between a line extending from Point Santa Cruz on a southwesterly heading bearing of 220º true and a line extending from 2 miles north of Pescadero Point on a southwesterly heading bearing of 240º true.

(2) From mean high water out to three miles between a line extending from the Carmel River mouth on a westerly heading bearing of 270º true and a line extending due west along latitude 35º33'17.6"N off of Cambria;

(3) From mean high water and within a five mile arc drawn from a center point at the end of Moss Landing Pier as it appeared on the most current NOAA nautical charts as of January 1, 1993; and

(4) Over the waters of Elkhorn Slough east of the Highway One bridge to Elkhorn Road.

Appendix C to Subpart M of Part 922—Dredged Material Disposal Sites Within the Sanctuary

Point No.	Latitude north	Longitude west
Santa Cruz Harbor/Twin Lakes Dredge Disposal Site		
1	36°57'45.0"	122°00'02.0"
2	36°57'45.0"	121°59'55.0"
3	36°57'41.0"	121°59'54.0"
4	36°57'41.0"	122°00'03.0"
SF–12 Dredge Disposal Site		
1	36°48'07.5"	121°47'31.5"
2	36°48'05.7"	121°47'31.8"
3	36°48'06.2"	121°47'35.7"
4	36°48'08.8"	121°47'34.6"
SF–14 Dredge Disposal Site (circle with 500 yard radius)		
1	36°47'52.8"	121°49'08.7"
Monterey Harbor/Wharf II Dredge Disposal Site		
1	36°36'10.7"	121°53'21.9"
2	36°36'10.2"	121°53'16.3"
3	36°36'03.3"	121°53'17.7"
4	36°36'04.3"	121°53'23.2"

Appendix D to Subpart M of Part 922—Dredged Material Disposal Sites Adjacent to the Monterey Bay National Marine Sanctuary

As of January 1, 1993, the U.S. Army Corps of Engineers operates the following dredged material disposal site adjacent to the Sanctuary off of the Golden Gate:

Point No.	Latitude north	Longitude west
1	37°45'52.5"	122°34'08.4"
2	37°44'58.7"	122°37'22.1"
3	37°44'29.5"	122°37'09.6"
4	37°45'24.4"	122°33'53.4"
5	37°45'52.5"	122°34'08.4"

Appendix E to Subpart M of Part 922—Motorized Personal Watercraft Zones and Access Routes within the Sanctuary

The five zones and access routes are:

(1) The approximately one (1) NM^2 area off Pillar Point Harbor from harbor launch ramps, through harbor entrance to the northern boundary of Zone One:

(a) 37°29'38.2"N., 122°29'05.2"W. (flashing 5-second breakwater entrance light and horn located at the seaward end of the outer west breakwater);

(b) 37°28'48.0"N., 122°29'00.0"W. (bell buoy);

(c) 37°28'48.0"N., 122°28'00.0"W.

(d) 37°29'36.0"N., 122°28'00.0"W.

(2) The approximately five (5) NM^2 area off of Santa Cruz Small Craft Harbor from harbor launch ramps, through harbor entrance, and then along a 100 yard wide access route southwest along a true bearing of approximately 196° true (180° magnetic) to the whistle buoy at 36°56'18"N., 122°00'36"W. Zone Two is bounded by:

(a) 36°55'00.0"N., 122°02'00.0"W.

(b) 36°55'00.0"N., 121°58'00.0"W.

(c) 36°56'30.0"N., 121°58'00.0"W.

(d) 36°56'30.0"N., 122°02'00.0"W.

(3) The approximately six (6) NM^2 area off of Moss Landing Harbor from harbor launch ramps, through harbor entrance, and then along a 100 yard wide access route west along a bearing of approximately 270° true (255° magnetic) due west to the eastern boundary of Zone Three bounded by:

(a) 36°50'00.0"N., 121°49'18.0"W.

(b) 36°50'00.0"N., 121°50'48.0"W.

(c) 36°46'42.0"N., 121°50'48.0"W.

(d) 36°46'42.0"N., 121°49'00.0"W.

(e) 36°47'54.0"N., 121°48'06.0"W. (bell buoy)

(f) 36°48'54.0"N., 121°48'12.0"W.

(4) The approximately five (5) NM^2 area off of Monterey Harbor from harbor launch ramps to the seaward end of the U.S. Coast Guard Pier, and then along a 100 yard wide access route due north to the southern boundary of Zone Four bounded by:

(a) 36°38'42.0"N., 121°55'24.0"W.

(b) 36°36'54.0"N., 121°52'30.0"W.

(c) 36°38'18.0"N., 121°51'18.0"W.

(d) 36°40'00.0"N., 121°54'24.0"W.

(5) The approximately one-tenth (0.1) NM^2 area near Pillar Point from Pillar Point Harbor entrance along a 100 yard wide access route southeast along a true bearing of approximately 174° true (159° magnetic) to the bell buoy (identified as "Buoy 3") at 37°28'53.5"N., 122°28'53.6"W. and then along a 100 yard wide access route northwest along a true bearing of approximately 284° true (269° magnetic) to the gong buoy (identified as "Buoy 1") at 37°29'10.5"N., 122°30'21.7"W., the southwest boundary of Zone Five. Zone Five exists only when a High Surf Warning has been issued by the National Weather Service and is in effect for San Mateo County and only during December, January, and February. Zone Five is bounded by:

(a) 37°29'10.5"N., 122°30'21.7"W.; gong buoy

(b) 37°29'35.0"N., 122°30'21.7"W.

(c) 37°29'35.0"N., 122°30'03.8"W.; sail rock

(d) 37°29'10.5"N., 122°30'03.8"W.

Appendix F to Subpart M of Part 922—Davidson Seamount Management Zone

Point No.	Latitude north	Longitude west
1	35°54'00.0"	123°00'00.0"
2	35°54'00.0"	122°30'00.0"
3	35°30'00.0"	122°30'00.0"
4	35°30'00.0"	123°00'00.0"

(FR 11/10/08) 11/09

COAST PILOT 7 41 Ed 2009 Change No. 9

Page 52—Paragraph 184 to Page 54—Paragraph 223; read:

Subpart H—Gulf of the Farallones National Marine Sanctuary

§922.80 Boundary.

The Gulf of the Farallones National Marine Sanctuary (Sanctuary) boundary encompasses a total area of approximately 966 square nautical miles (nmi) of coastal and ocean waters, and submerged lands thereunder, surrounding the Farallon Islands (and Noonday Rock) off the northern coast of California. The northernmost extent of the Sanctuary boundary is a geodetic line extending westward from Bodega Head approximately 6 nmi to the northern boundary of the Cordell Bank National Marine Sanctuary (CBNMS). The Sanctuary boundary then turns southward to a point approximately 6 nmi off Point Reyes, California, where it then turns westward again out towards the 1,000-fathom isobath. The Sanctuary boundary then extends in a southerly direction adjacent to the 1,000-fathom isobath until it intersects the

northern extent of the Monterey Bay National Marine Sanctuary (MBNMS). The Sanctuary boundary then follows the MBNMS boundary eastward and northward until it intersects the Mean High Water Line at Rocky Point, California. The Sanctuary boundary then follows the MHWL north until it intersects the Point Reyes National Seashore (PRNS) boundary. The Sanctuary boundary then approximates the PRNS boundary, as established at the time of designation of the Sanctuary, to the intersection of the PRNS boundary and the MHWL in Tomales Bay. The Sanctuary boundary then follows the MHWL up Tomales Bay and Lagunitas Creek to the Route 1 Bridge where the Sanctuary boundary crosses the Lagunitas Creek and follows the MHWL until it intersects its northernmost extent near Bodega Head. The Sanctuary boundary includes Bolinas Lagoon, Estero de San Antonio (to the tide gate at Valley Ford Franklin School Road) and Estero Americano (to the bridge at Valley Ford Estero Road), as well as Bodega Bay, but not Bodega Harbor. Where the Sanctuary boundary crosses a waterway, the Sanctuary boundary excludes these waterways shoreward of the Sanctuary boundary line delineated by the coordinates provided. (Reference NOS Charts 18680 and 18640).

§922.81 Definitions.

In addition to those definitions found at §922.3, the following definitions apply to this subpart:

Areas of Special Biological Significance (ASBS) are those areas designated by California's State Water Resources Control Board as requiring protection of species or biological communities to the extent that alteration of natural water quality is undesirable. ASBS are a subset of State Water Quality Protection Areas established pursuant to California Public Resources Code section 36700 et seq.

Attract or attracting means the conduct of any activity that lures or may lure any animal in the Sanctuary by using food, bait, chum, dyes, decoys (e.g., surfboards or body boards used as decoys), acoustics or any other means, except the mere presence of human beings (e.g., swimmers, divers, boaters, kayakers, surfers).

Clean means not containing detectable levels of harmful matter.

Cruise ship means a vessel with 250 or more passenger berths for hire.

Deserting means leaving a vessel aground or adrift without notification to the Director of the vessel going aground or becoming adrift within 12 hours of its discovery and developing and presenting to the Director a preliminary salvage plan within 24 hours of such notification, after expressing or otherwise manifesting intention not to undertake or to cease salvage efforts, or when the owner/operator cannot after reasonable efforts by the Director be reached within 12 hours of the vessel's condition being reported to authorities; or leaving a vessel at anchor when its condition creates potential for a grounding, discharge, or deposit and the owner/operator fails to secure the vessel in a timely manner.

Harmful matter means any substance, or combination of substances, that because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a present or potential threat to Sanctuary resources or qualities, including but not limited to: fishing nets, fishing line, hooks, fuel, oil, and those contaminants (regardless of quantity) listed pursuant to 42 U.S.C. 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act at 40 CFR 302.4.

Introduced species means any species (including, but not limited to, any of its biological matter capable of propagation) that is non-native to the ecosystems of the Sanctuary; or any organism into which altered genetic matter, or genetic matter from another species, has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Motorized personal watercraft means a vessel which uses an inboard motor powering a water jet pump as its primary source of motive power and which is designed to be operated by a person sitting, standing, or kneeling on the vessel, rather than the conventional manner of sitting or standing inside the vessel.

Routine maintenance means customary and standard procedures for maintaining docks or piers.

Seagrass means any species of marine angiosperms (flowering plants) that inhabit portions of the submerged lands in the Sanctuary. Those species include, but are not limited to: Zostera asiatica and Zostera marina.

§922.82 Prohibited or otherwise regulated activities.

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within the Sanctuary:

(1) Exploring for, developing, or producing oil or gas except that pipelines related to hydrocarbon operations adjacent to the Sanctuary may be placed at a distance greater than 2 nmi from the Farallon Islands, Bolinas Lagoon and Areas of Special Biological Significance (ASBS) where certified to have no significant effect on Sanctuary resources in accordance with §922.84.

(2) Discharging or depositing from within or into the Sanctuary, other than from a cruise ship, any material or other matter except:

(i) Fish, fish parts, or chumming materials (bait) used in or resulting from lawful fishing activity within the Sanctuary, provided that such discharge or deposit is

during the conduct of lawful fishing activity within the Sanctuary;

(ii) For a vessel less than 300 gross registered tons (GRT), or a vessel 300 GRT or greater without sufficient holding tank capacity to hold sewage while within the Sanctuary, clean effluent generated incidental to vessel use by an operable Type I or II marine sanitation device (U.S. Coast Guard classification) that is approved in accordance with section 312 of the Federal Water Pollution Control Act, as amended (FWPCA), 33 U.S.C. 1322. Vessel operators must lock all marine sanitation devices in a manner that prevents discharge or deposit of untreated sewage;

(iii) Clean vessel deck wash down, clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash; or

(iv) Vessel engine or generator exhaust.

(3) Discharging or depositing, from within or into the Sanctuary, any material or other matter from a cruise ship except clean vessel engine cooling water, clean vessel generator cooling water, clean bilge water, or anchor wash.

(4) Discharging or depositing, from beyond the boundary of the Sanctuary, any material or other matter that subsequently enters the Sanctuary and injures a Sanctuary resource or quality, except for the exclusions listed in paragraphs (a)(2)(i) through (iv) and (a)(3) of this section.

(5) Constructing any structure other than a navigation aid on or in the submerged lands of the Sanctuary; placing or abandoning any structure on or in the submerged lands of the Sanctuary; or drilling into, dredging, or otherwise altering the submerged lands of the Sanctuary in any way, except:

(i) By anchoring vessels (in a manner not otherwise prohibited by this part (see §922.82(a)(16)) ;

(ii) While conducting lawful fishing activities;

(iii) The laying of pipelines related to hydrocarbon operations in leases adjacent to the Sanctuary in accordance with paragraph (a)(1) of this section;

(iv) Routine maintenance and construction of docks and piers on Tomales Bay; or

(v) Mariculture activities conducted pursuant to a valid lease, permit, license or other authorization issued by the State of California.

(6) Operating any vessel engaged in the trade of carrying cargo within an area extending 2 nmi from the Farallon Islands, Bolinas Lagoon or any ASBS. This includes but is not limited to tankers and other bulk carriers and barges, or any vessel engaged in the trade of servicing offshore installations, except to transport persons or supplies to or from the Islands or mainland areas adjacent to Sanctuary waters or any ASBS. In no event shall this section be construed to limit access for fishing, recreational or research vessels.

(7) Operation of motorized personal watercraft, except for the operation of motorized personal watercraft for emergency search and rescue missions or law enforcement operations (other than routine training activities) carried out by the National Park Service, U.S. Coast Guard, Fire or Police Departments or other Federal, State or local jurisdictions.

(8) Disturbing birds or marine mammals by flying motorized aircraft at less than 1,000 feet over the waters within one nmi of the Farallon Islands, Bolinas Lagoon, or any ASBS except to transport persons or supplies to or from the Islands or for enforcement purposes.

(9) Possessing, moving, removing, or injuring, or attempting to possess, move, remove or injure, a Sanctuary historical resource.

(10) Introducing or otherwise releasing from within or into the Sanctuary an introduced species, except:

(i) Striped bass (Morone saxatilis) released during catch and release fishing activity; or

(ii) Species cultivated by mariculture activities in Tomales Bay pursuant to a valid lease, permit, license or other authorization issued by the State of California and in effect on the effective date of the final regulation.

(11) Taking any marine mammal, sea turtle, or bird within or above the Sanctuary, except as authorized by the Marine Mammal Protection Act, as amended, (MMPA), 16 U.S.C. 1361 et seq., Endangered Species Act (ESA), as amended, 16 U.S.C. 1531 et seq., Migratory Bird Treaty Act, as amended, (MBTA), 16 U.S.C. 703 et seq., or any regulation, as amended, promulgated under the MMPA, ESA, or MBTA.

(12) Possessing within the Sanctuary (regardless of where taken, moved or removed from), any marine mammal, sea turtle, or bird taken, except as authorized by the MMPA, ESA, MBTA, by any regulation, as amended, promulgated under the MMPA, ESA, or MBTA, or as necessary for valid law enforcement purposes.

(13) Attracting a white shark in the Sanctuary; or approaching within 50 meters of any white shark within the line approximating 2 nmi around the Farallon Islands. (Reference NOS Chart 18645).

(14) Deserting a vessel aground, at anchor, or adrift in the Sanctuary.

(15) Leaving harmful matter aboard a grounded or deserted vessel in the Sanctuary.

(16) Anchoring a vessel in a designated seagrass protection zone in Tomales Bay, except as necessary for mari-

culture operations conducted pursuant to a valid lease, permit or license.

(b) All activities currently carried out by the Department of Defense within the Sanctuary are essential for the national defense and, therefore, not subject to the prohibitions in this section. The exemption of additional activities shall be determined in consultation between the Director and the Department of Defense. The coordinates for the no-anchoring seagrass protection zones are listed in Appendix C to this subpart.

(c) The prohibitions in paragraph (a) of this section do not apply to activities necessary to respond to an emergency threatening life, property, or the environment, or except as may be permitted by the Director in accordance with §922.48 and §922.83.

§922.83 Permit procedures and issuance criteria.

(a) A person may conduct an activity prohibited by §922.82 if such activity is specifically authorized by, and conducted in accordance with the scope, purpose, terms and conditions of, a permit issued under §922.48 and this section.

(b) The Director, at his or her discretion, may issue a National Marine Sanctuary permit under this section, subject to terms and conditions as he or she deems appropriate, if the Director finds that the activity will:

(1) Further research or monitoring related to Sanctuary resources and qualities;

(2) Further the educational value of the Sanctuary;

(3) Further salvage or recovery operations; or

(4) Assist in managing the Sanctuary.

(c) In deciding whether to issue a permit, the Director shall consider factors such as:

(1) The applicant is qualified to conduct and complete the proposed activity;

(2) The applicant has adequate financial resources available to conduct and complete the proposed activity;

(3) The methods and procedures proposed by the applicant are appropriate to achieve the goals of the proposed activity, especially in relation to the potential effects of the proposed activity on Sanctuary resources and qualities;

(4) The proposed activity will be conducted in a manner compatible with the primary objective of protection of Sanctuary resources and qualities, considering the extent to which the conduct of the activity may diminish or enhance Sanctuary resources and qualities, any potential indirect, secondary or cumulative effects of the activity, and the duration of such effects;

(5) The proposed activity will be conducted in a manner compatible with the value of the Sanctuary, considering the extent to which the conduct of the activity may result in conflicts between different users of the Sanctuary, and the duration of such effects;

(6) It is necessary to conduct the proposed activity within the Sanctuary;

(7) The reasonably expected end value of the proposed activity to the furtherance of Sanctuary goals and purposes outweighs any potential adverse effects on Sanctuary resources and qualities from the conduct of the activity; and

(8) Any other factors as the Director deems appropriate.

(d) Applications.

(1) Director, Office of National Marine Sanctuaries; ATTN: Superintendent, Gulf of the Farallones National Marine Sanctuary, 991 Marine Dr., The Presidio, San Francisco, CA 94129.

(2) In addition to the information listed in §922.48(b), all applications must include information to be considered by the Director in paragraph (b) and (c) of this section.

(e) The permittee must agree to hold the United States harmless against any claims arising out of the conduct of the permitted activities.

922.84 Certification of other permits.

A permit, license, or other authorization allowing: the laying of any pipeline related to hydrocarbon operations in leases adjacent to the Sanctuary and placed at a distance greater than 2 nmi from the Farallon Islands, Bolinas Lagoon, and any ASBS must be certified by the Director as consistent with the purpose of the Sanctuary and having no significant effect on Sanctuary resources. Such certification may impose terms and conditions as deemed appropriate to ensure consistency. In considering whether to make the certifications called for in this section, the Director may seek and consider the views of any other person or entity, within or outside the Federal government, and may hold a public hearing as deemed appropriate. Any certification called for in this section shall be presumed unless the Director acts to deny or condition certification within 60 days from the date that the Director receives notice of the proposed permit and the necessary supporting data. The Director may amend, suspend, or revoke any certification made under this section whenever continued operation would violate any terms or conditions of the certification. Any such action shall be forwarded in writing to both the holder of the certified permit and the issuing agency and shall set forth reason(s) for the action taken.

Appendix C to Subpart H of Part 922—No-Anchoring Seagrass Protection Zones in Tomales Bay

Zone 1 Point	Latitude (N)	Longitude (W)
1	38°06'20.6"	122°50'44.3"
2	38°05'56.0"	122°50'09.7"
3	38°05'55.6"	122°50'39.5"
4	38°06'18.5"	122°50'56.5"
5	38°06'20.6"	122°50'44.3"

Zone 2 Point	Latitude (N)	Longitude (W)
1	38°08'26.6"	122°52'27.8"
2	38°06'49.9"	122°51'30.6"
3	38°07'08.4"	122°52'02.3"
4	38°07'32.3"	122°51'53.3"
5	38°07'38.1"	122°51'53.6"
6	38°07'59.7"	122°52'18.4"
7	38°08'26.6"	122°52'27.8"

Zone 3 Point	Latitude (N)	Longitude (W)
1	38°09'37.1"	122°53'39.9"
2	38°09'10.3"	122°53'23.7"
3	38°09'09.0"	122°53'25.5"
4	38°09'34.4"	122°53'44.6"
5	38°09'37.1"	122°53'39.9"

Zone 4 Point	Latitude (N)	Longitude (W)
1	38°12'02.6"	122°55'18.5"
2	38°09'45.3"	122°53'46.6"
3	38°09'44.2"	122°53'47.4"
4	38°09'55.3"	122°54'11.1"
5	38°10'07.3"	122°54'17.1"
6	38°10'28.2"	122°54'19.6"
7	38°10'45.1"	122°54'36.8"
8	38°11'11.4"	122°54'50.5"
9	38°11'19.7"	122°55'02.6"
10	38°12'02.6"	122°55'18.5"

Zone 5 Point	Latitude (N)	Longitude (W)
1	38°13'52.4"	122°57'46.8"
2	38°12'57.6"	122°56'15.0"
3	38°12'33.8"	122°56'29.5"
4	38°12'13.2"	122°55'56.9"
5	38°12'18.5"	122°55'28.3"
6	38°12'02.6"	122°55'18.5"
7	38°11'38.6"	122°56'05.2"
8	38°12'15.7"	122°56'35.0"
9	38°13'02.2"	122°57'44.1"
10	38°13'52.4"	122°57'46.8"

Zone 6 Point	Latitude (N)	Longitude (W)
1	38°08'17.2"	122°53'45.7"
2	38°08'25.4"	122°53'48.3"
3	38°08'27.7"	122°53'43.3"
4	38°08'21.1"	122°53'38.1"
5	38°08'17.2"	122°53'45.7"

Zone 7 Point	Latitude (N)	Longitude (W)
1	38°06'37.2"	122°51'55.6"
2	38°07'48.3"	122°53'14.7"
3	38°07'50.4"	122°53'10.3"
4	38°07'25.0"	122°52'47.4"
5	38°07'09.0"	122°52'29.7"
6	38°06'53.5"	122°52'08.3"
7	38°06'39.5"	122°51'52.8"
8	38°06'37.2"	122°51'55.6"

(FR 11/10/08) 11/09

COAST PILOT 7 41 Ed 2009 Change No. 10
LAST NM 11/09

Page 6—Paragraph 52, line 7; read:

website is http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html.

(NOS/09) 12/09

Page 267—Paragraph 26, line 4; read:

chapter 2, for limits and regulations.) The Port of San Diego has temporarily prohibited anchoring or mooring in **Special Anchorage A-8** (Sweetwater Anchorage), in South San

Diego Bay, through about July 2011. The anchorage is currently undergoing environmental restoration and clean-up.
(CL 113/09; 52/08 CG11) 12/09

Page 291—Paragraph 366, lines 6 to 7; read:
guide for navigating the opening. In March 2006-March 2007, the controlling depths were 13 feet in the entrance channel …
(BP 191395; DDs 7410-11) 12/09

Page 366—Paragraph 408, lines 4 to 10; read:
wide; the least clearance is 146 feet through the N span and 132 feet through the S span. Private fog signals are sounded at the bridge piers and racons are the center of each span of the E bridge.
(L 167/09; LL/07) 12/09

Page 550—Paragraph 403, lines 4 to 6; read:
have shoaled and are not navigable; there is no deep-draft traffic. St Paul Waterway …
(CL 129/09) 12/09

Page 550—Paragraph 406, lines 10 to 12; read:
and basins. The project depth in Blair Waterway is 51 feet in the waterway and basin. (See Notice to Mariners and latest …
(CL 690/01; NOS 18453) 12/09

Page 578—Paragraph 228, lines 1 to 4; read:
In 2003, the controlling depth was 38 feet in the entrance channel (except for shoaling to 26 feet in the left outside quarter in about 20°02'19"N., 155°49'57"W.), thence depths of 34 to 35 feet were available in the basin. A lighted **120°** entrance …
(BP 192323) 12/09

Page 578—Paragraph 228, line 8; read:
controlling depth of 4 feet in 2003. The …
(BP 192323) 12/09

Page 642—Paragraph 64; strike out.
(NOS 83153) 12/09

Page 656—Paragraph 38, lines 2 to 3; read:
on the internet only at http://www.nauticalcharts.noaa.gov/nsd/distances-ports/.)
(NOS/09) 12/09

COAST PILOT 7 41 Ed 2009 Change No. 11
LAST NM 12/09

Page 566—Paragraph 70, line 6; read:
airport. A wind farm with several large wind turbines, adjacent to the silos and centered at 20°15'31"N., 155°51'16"W., is very prominent on Upolu Point. The country back of the point is cattle range; the …
(DD 12261) 13/09

Page 566—Paragraph 72, line 7 to Paragraph 73, line 2; read:
light.
Akoakoa Point is 2.8 miles SE of Kauhola Point.
(DD 12261) 13/09

Page 567—Paragraph 81, lines 1 to 2; read:
Honokaa is 24 miles SE of Upolu Point. A power plant (Hamakua Energy) with two storage tanks, two stacks, and a cooling tower is prominent just N of Honokaa in about 20°05'38"N., 155°28'13"W. A reef that usually …
(DD 12261) 13/09

Page 567—Paragraph 88; strike out.
(DD 12261) 13/09

Page 570—Paragraph 126, lines 3 to 4; read:
There is a vessel draft restriction of 32½ feet in Hilo Harbor. The **harbormaster** enforces …
(DD 12261) 13/09

Page 571—Paragraph 138, lines 8 to 11; read:
SW from the cape. The nearest cone (Kapoho crater), 1.4 miles from the cape, is 245 feet high and is heavily covered with vegetation.
(DD 12261) 13/09

Page 572—Paragraph 150; strike out.
(DD 12261) 13/09

Page 572—Paragraph 152; read:
Punaluu, about 17 miles NE of Kalae, is a small bight with a black sand beach at its head. It was a former shipping point for the town of **Pahala**, 3 miles inland, but the landing is no longer used and is in disrepair; a surfaced ramp is just N of the landing. Small boats find some protection in depths of 6 to 11 feet close to the E shore of the bight.
(DD 12261) 13/09

Page 574—Paragraph 183, lines 2 to 3; read:
concrete boat landing with a depth of 7 feet alongside. A hoist on the landing has a maximum capacity of 2,000 pounds. The current off the landing has a prevailing …
(DD 12261) 13/09

Page 574—Paragraph 184, lines 1 to 6; read:
A large open-air shelter with a bright roof amongst several trees is visible from the NW, about 250 yards S of Milolii landing. Much of the area around the landing and shelter is

covered with vegetation, however, farther outside this area the countryside is a barren mass of black lava. There is no protected anchorage off the …
(DD 12261) 13/09

Page 574—Paragraph 190, lines 4 to 9; read:
of the N end of the pali. There is a heavy concentration of coconut and shade trees along with large amounts of vegetation around the village. Anchorage can be found in depths of 15 fathoms, sandy bottom, about 300 yards off Hookena. A landing near the N end of the sand beach is in ruins and unusable.
(DD 12261) 13/09

Page 575—Paragraph 194, lines 12 to 13; read:
shore. A surfaced ramp (19°25'24”N., 155°54'41”W.) is just N of the sand beach on the SE side of the bay. Small boats can easily land on the beach during normal weather.
(DD 12261) 13/09

Page 575—Paragraph 204, lines 17 to 20; read:
mouth of the bay. Launching ramps are near the light at the head of the bay and on the SE side. A pier used mainly for embarking and disembarking passengers for excursion cruises is at the SE end of the bay, near the launching ramp. Fuel is available in limited quantities and is trucked in; there is no fuel dock. Several mooring buoys are in the bay.
(DD 12261) 13/09

Page 576—Paragraph 209, lines 7 to 9; read:
The E side of the pier has a pump-out station and a marine hoist with a maximum capacity of 2,000 pounds.
(DD 12261) 13/09

Page 580—Paragraph 251; read:
A public landing is at the head of the bight and has a hoist that is in poor condition. The private landing on the N side is in ruins. Both landings are for small boats only.
(DD 12261) 13/09

COAST PILOT 7 41 Ed 2009 Change No. 12
LAST NM 13/09

Page 111—Paragraph 1630, line 3; read:
advance notice is given to the drawtender of the Hawthorne Bridge subject to the following requirements …
(CL 148/09; FR 2/4/09) 14/09

Page 111—Paragraph 1633; read:
(3)(i) Broadway Bridge, mile 11.7, from 8 a.m. to 5 p.m. Monday through Friday, one hour's notice shall be given for draw openings. At all other times, notice of at least two hours in advance is required.
(CL 148/09; FR 2/4/09) 14/09

Page 111—Paragraph 1635; read:
(iii) Burnside Bridge, mile 12.4, from 8 a.m. to 5 p.m. Monday through Friday, one hour's notice shall be given for draw openings. At all other times, two hours notice is required.
(CL 148/09; FR 2/4/09) 14/09

Page 188—Paragraph 3424, line 6; read:
port security, safety or environmental safety.

§165.1322 Regulated Navigation Area: Williamette River Portland, Oregon Captain of the Port Zone.

(a) *Location.* The following is a regulated navigation area (RNA): All waters of the Williamette River encompassed by a line commencing at

45°34'47"N., 122°45'30"W. along the shoreline to
45°34'47"N., 122°45'30"W., thence to
45°34'47"N., 122°45'30"W., thence to
45°34'48"N., 122°45'30"W., thence to
45°34'48"N., 122°45'30"W., thence to
45°34'48"N., 122°45'28"W., thence to
45°34'47"N., 122°45'28"W. and back to the point of origin. All coordinates reference 1983 North American Datum (NAD 83).

(b) *Regulations.* (1) Motoring, anchoring, dragging, dredging, or trawling are prohibited in the regulated area.

(2) All vessels transiting or accessing the regulated area shall do so at a no wake speed or at the minimum speed to maintain steerage.
(FR 2/4/09) 14/09

Page 293—Paragraph 392, lines 8 to 10; read:
by the Navy, Monday through Friday at 0900 and 1200 on 2638 kHz and 2738 kHz and on VHM-FM channel 16. For additional details or comments, contact PLEAD Control at 805-989-1470 or 805-989-3634.
(DD 13444) 14/09

Page 441—Paragraph 132, lines 4 to 7; read:
storage above the city of **Cathlamet**. A mooring …
(DD 13445) 14/09

Page 444—Paragraph 175, lines 3 to 4; read:
storage and fishing boats.
(NOS 18524) 14/09

Page 587—Paragraph 359; insert after:
Ferries

Kahului has daily ferry service (once a day), seven days a week to Honolulu, O‘ahu. The ferry disembarks passengers and vehicles on the N side of Pier 2. During ferry operations,

the outer end of Pier 2 will be occupied by a barge used to facilitate unloading operations. The barge extends on either side of the pier constricting the width of the area NE of the pier. The barge is frequently moved to accommodate changes to the ferry's mooring.
(DD 13341) 14/09

Page 598—Paragraph 513, line 8; read:

range. Mariners are advised to line up on the range before entering or exiting the harbor at night.
(DD 13335) 14/09

Page 598—Paragraph 514, line 6 to Paragraph 515; read:

kona storms. During the summer months, very large swells can be found outside Ala Wai Harbor; mariners should navigate with the utmost caution during those times.
(DD 13335) 14/09

Page 603—Paragraph 583; insert after:

Ferries

Honolulu has daily ferry service (once a day), seven days a week to Kahului, Maui. The ferry disembarks passengers and vehicles on the E side of Pier 19.
(DD 13341) 14/09

Page 608—Paragraph 665; read:

Kaneohe Marine Corps Air Station is on Mokapu Peninsula. Mariners are advised that field operations are conducted throughout the year and divers, rafts, and aircraft may be operating in the bay. Additionally, Military Amphibious/Search and Rescue operations may be underway at any time, day or night, in the vicinity of 21°26'06"N., 157°46'11"W. and 21°26'45"N., 157°46'55"W. Surface support craft will be marked with appropriate day and night time markings/signals and can be reached via MARBAND 82A for any reason. Request that vessels using sonar contact Water Front Operations via MARBAND 82A or 808-257-2941 to avoid injury to divers that may be in the area. Caution should be exercised when operating near the air station runway.
(DD 13422) 14/09

Page 632—Paragraph 954, line 4; read:

(808-535-3333). JRCC will then obtain entry approval …
(DD 13335) 14/09

Page 633—Paragraph 970, line 4; read:

Honolulu (808-842-2640) to determine specific …
(DD 13335) 14/09

COAST PILOT 7 41 Ed 2009 Change No. 13
LAST NM 14/09

Page 272—Paragraph 102, lines 1 to 4; read:

In November 2008, the controlling depth was 10 feet (14 feet at midchannel) in the dredged channel to the highway bridge; general depths of 14 to 15 feet were available in …
(DD 13158) 15/09

Page 295—Paragraph 431, lines 3 to 6; read:

is just N of the entrance basin. In December 2008, the controlling depth was 19 feet in the entrance channel to the entrance basin, thence depths of 19 to 20 feet were available in the entrance basin; thence in July 2008, depths of 8 to 9 feet were available in the inner basin.
(DD 13156; DD 12141) 15/09

Page 395—Paragraph 158, line 4 to Paragraph 159, line 5; read:

awash about 230 yards apart. **Blunts Reef Lighted Bell Buoy 40** (40°26'24"N., 124°30'19"W.), is an exposed location buoy (ELB) 2 miles WSW of the outer rock. The currents at the buoy are described in the Tidal Current Tables.

The area as far W as Blunts Reef Lighted Bell Buoy 40 and for about 4 miles N and S of Cape Mendocino includes dangerous rocks and covered ledges. Vessels should not attempt the passage between Blunts Reef Lighted Bell Buoy 40 and the cape under any circumstances.
(LL/09; NOS 18623) 15/09

Page 396—Paragraph 180, lines 1 to 2; read:

From South

From a position 1.5 miles 260° from Blunts Reef Lighted Bell Buoy 40, steer **356½°** for 5 miles, when Cape …
(LL/09; NOS 18623) 15/09

Page 403—Paragraph 288, line 4; read:

Friday from 0700 to 1700.
(CL 183/09) 15/09

Page 416—Paragraph 131, lines 6 to 8; read:

bascule bridge. In April 2008, the controlling depth was 16 feet to the bridge, with lesser depths to 11 feet just N of the bridge. The channel from the junction …
(DD 11363) 15/09

Page 424—Paragraph 228, lines 3 to 5; read:

feet; thence in February 2009, depths of 6 to 8 feet were available in the basin with lesser depths to 3 feet in the SE corner. In 1994, shoaling to 4 feet was reported …
(DD 13352) 15/09

Page 594—Paragraph 451, lines 4 to 6; read:

which is an unmarked opening in the reef.

(09/09 CG14) 15/09

COAST PILOT 7 41 Ed 2009 Change No. 14
LAST NM 15/09

Page 188—Paragraph 3424, line 6; read:

port security, safety or environmental safety.

§165.1322 Regulated Navigation Area: Willamette River Portland, Oregon Captain of the Port Zone.

(a) *Location.* The following is a regulated navigation area (RNA): All waters of the Willamette River encompassed by a line commencing at

45°34'47"N., 122°45'28"W. along the shoreline to 45°34'47"N., 122°45'30"W., thence to

45°34'47"N., 122°45'30"W., thence to

45°34'48"N., 122°45'30"W., thence to

45°34'48"N., 122°45'30"W., thence to

45°34'48"N., 122°45'28"W., thence to

45°34'47"N., 122°45'28"W. and back to the point of origin. All coordinates reference 1983 North American Datum (NAD 83).

(b) *Regulations.* (1) Motoring, anchoring, dragging, dredging, or trawling are prohibited in the regulated area.

(2) All vessels transiting or accessing the regulated area shall do so at a no wake speed or at the minimum speed to maintain steerage.

§165.1323 Regulated Navigation Area: Willamette River Portland, Oregon Captain of the Port Zone.

(a) *Location*. The following is a regulated navigation area (RNA): All waters of the Willamette River encompassed by a line commencing at

45°34'33"N, 122°44'17"W to

45°34'32"N, 122°44'18"W thence to

45°34'35"N, 122°44'24"W thence to

45°34'35"N, 122°44'27"W thence to

45°34'35"N, 122°44'36"W thence to

45°34'35"N, 122°44'37"W thence to

45°34'38"N, 122°44'42"W to

45°34'39"N, 122°44'43"W thence to

45°34'44"N, 122°44'51"W thence to

45°34'45"N, 122°44'53"W thence to

45°34'47"N, 122°44'51"W thence to

45°34'45"N, 122°44'46"W to

45°34'45"N, 122°44'45"W thence to

45°34'47"N, 122°44'43"W thence to

45°34'46"N, 122°44'42"W thence to

45°34'48"N, 122°44'40"W thence to

45°34'48"N, 122°44'38"W and along the shoreline to

45°34'46"N, 122°44'39"W and back to the point of origin. All coordinates reference 1983 North American Datum (NAD 83).

(b) *Regulations.* (1) Anchoring, spudding, dredging, laying cable, dragging, trawling, conducting salvage operations, operating commercial vessels of any size, and operating recreational vessels greater than 30 feet in length are prohibited in the regulated area.

(2) All vessels transiting or accessing the regulated area shall do so at no wake speed or at the minimum speed necessary to maintain steerage.

(FR 2/4/09) 16/09

Page 292—Paragraph 376, lines 4 to 8; read:

its seaward end.

(09/09 CG11) 16/09

COAST PILOT 7 41 Ed 2009 Change No. 15
LAST NM 16/09

Page 86—Paragraph 917, line 2; read:

than 1600 gross tons shall, at all times, have a licensed or credentialed …

(CL 438/09; FR 3/16/09) 18/09

Page 112—Paragraph 1641; read:

§117.1031 Chehalis River.

The draw of the SR 101 highway bridge, mile 0.1, Aberdeen shall open on signal from 5 a.m. to 9 p.m., except that from 7:15 a.m. to 8:15 a.m. and 4:15 p.m. to 5:15 p.m., Monday through Friday, except Federal holidays, the draw need not open for vessels less than 5000 gross tons. At all other times, the draw shall open on signal if at least one hour notice is given by telephone to the Washington State Department of Transportation. The opening signal is one prolonged blast followed by one short blast.

(FR 3/25/09) 18/09

Page 114—Paragraphs 1673 to 1674; read:

(c) The draw of the Simpson Avenue Bridge, mile 0.5, at Hoquiam, shall open on signal if at least one hour notice is given by telephone to the Washington State Department of Transportation. The opening signal is two prolonged blasts followed by one short blast.

(d) The draw of the Riverside Avenue Bridge, mile 0.9, Hoquiam, shall open on signal if at least one hour notice is given by telephone to the Washington State Department of Transportation. The opening signal is two prolonged blasts followed by two short blasts.

(FR 3/25/09) 18/09

Page 116—Paragraph 1718; read:

(c) The draws of the Heron Street Bridge, mile 0.2, and the Wishkah Street Bridge, mile 0.4, at Aberdeen, shall open on signal if at least one hour notice is given by telephone to the Washington State Department of Transportation. The opening signal for both bridges is one prolonged blast followed by two short blasts.

(FR 3/25/09) 18/09

Page 128—Paragraph 2011, lines 1 to 2; read:

(4) While underway, does not have at least one deck officer on the navigation bridge who is capable …

(CL 438/09; FR 3/16/09) 18/09

Page 149—Paragraph 2431, line 7 to Paragraph 2432; read:

at least an engineer with an appropriately endorsed license or merchant mariner credential.

(c) Each tanker must navigate with at least two deck officers with an appropriately endorsed license or merchant mariner credential on watch on the bridge, one of whom may be a pilot. In waters where a pilot is required, the second officer, must be an individual holding an appropriately endorsed license or merchant mariner credential and assigned to the vessel as master, mate, or officer in charge of a navigational watch, who is separate and distinct from the pilot.

(CL 438/09; FR 3/16/09) 18/09

Page 155—Paragraph 2614; insert after:

Merchant mariner credential or MMC means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.

(CL 438/09; FR 3/16/09) 18/09

Page 183—Paragraph 3350, line 4; read:

Zone by a master holding a license or merchant mariner credential issued in the U.S. to carry passenger …

(CL 438/09; FR 3/16/09) 18/09

Page 241—Paragraph 4635, lines 2 to 4; read:

commerce are required to use a pilot holding a valid MMC or license with appropriate endorsement as a first-class pilot when operating in the navigable …

(CL 438/09; FR 3/16/09) 18/09

Page 409—Paragraph 33, lines 15 to 18; read:

In January 2009, the controlling depth was 13 feet in the entrance channel to the access channel, with lesser depths to 7 feet along the edges; thence in February 2008, the controlling depth was 9 feet in the access channel, with lesser depths to 8 feet along the edges.

(CL 240/09; CE/09) 18/09

Page 552—Paragraph 422, lines 7 to 8; read:

Commencement Bay.

(NOS 18445) 18/09

COAST PILOT 7 41 Ed 2009 Change No. 16
LAST NM 18/09

Page 269—Paragraph 60, lines 11 to 17; read:

returning from a foreign port or place, must contact the Harbor Police Communications Center at 619-686-6272, eight hours prior to arrival and request dock space. Only the master may leave the vessel to contact the U.S. Customs Service in order to request an inspector respond to Shelter Island. All persons …

(CL 182/09) 20/09

Page 269—Paragraph 60, lines 25 to 27; read:

States Customs can be reached at 619-685-4300, 24-hours a day.

(CL 182/09) 20/09

Page 483—Paragraph 28, line 4; read:

have established a **Special Operating Area (SOA)** at the intersection …

(CL 442/09; 19/01 CG13) 20/09

Page 483—Paragraph 28, line 10; read:

Boundary Pass. The **Turn Point Special Operating Area** consists of …

(CL 422/09; 19/01 CG13) 20/09

Page 483—Paragraph 33, lines 1 to 6; read:

The **Turn Point SOA** applies to participating vessels of **100 meters/328 feet** or longer operating within or approaching the **Turn Point SOA** from Boundary Pass, southbound for Haro Strait, northbound for Boundary Pass or Swanson Channel. These vessels are requested not to enter the **Turn Point SOA** when …

(CL 442/09; 19/01 CG13) 20/09

Page 483—Paragraph 35, line 1; read:

(b) When overtaking in the **SOA**, with the concurrence …

(CL 442/09; 19/01 CG13) 20/09

Page 483—Paragraph 36, lines 2 to 3; read:

an inbound vessel from Haro Strait already in the **SOA**, enter only after the outbound vessel is past the …

(CL 442/09; 19/01 CG13) 20/09

Page 483—Paragraph 37, line 3; read:

SOA, enter only after the outbound vessel has …
(CL 442/09; 19/01 CG13) 20/09

Page 483—Paragraph 38, lines 4 to 5; read:

100 meters or more, are interacting around the **SOA** at the same time. All 100 meter vessels in a special …
(CL 442/09; 19/01 CG13) 20/09

Page 484—Paragraph 39, line 5; read:

participants within or near the **SOA**.
(CL 442/09; 19/01 CG13) 20/09

Page 493—Paragraph 187, line 4; read:

have established a **Special Operating Area** at the intersection …
(CL 442/09; 19/01 CG13) 20/09

Page 493—Paragraph 187, lines 10 to 11; read:

the boundaries and rules regarding the **Special Operating Area**, see **Cooperative Vessel Traffic Service (CVTS)** at …
(CL 442/09; 19/01 CG13) 20/09

Page 545—Paragraph 317, lines 3 to 8; read:

Point. Brownsville has a marina with 310 berths, 25 transient berths, and an additional 1,000 linear feet of guest moorage. The reported depth alongside is 8 feet with 20 feet in the approach. The marina can provide gasoline, diesel fuel, electricity, water, ice, marine supplies, and a pump-out facility. The **harbormaster's** …
(DB 17727) 20/09

COAST PILOT 7 41 Ed 2009 Change No. 17

Page 476—Paragraph 186, line 1; read:

Cape Flattery Light (48°23'31"N., 124°44'13"W.), 165 …
(03/09 CG13) 20/09

Page 491—Paragraph 159, lines 4 to 5; read:

lighted buoy marks the shoal but it may be submerged during periods of strong current;
(15/09 CG13) 20/09

Page 499—Paragraph 247, lines 6 to 7; read:

rises abruptly from deep water and is marked by a lighted buoy.
(11/09 CG13) 20/09

Page 526—Paragraph 109, lines 7 to 8; read:

Wing Point, with a least depth of 14 feet, is marked by a light.
(12/09 CG13; NOS 18474) 20/09

Page 571—Paragraph 132, lines 9 to 14; read:

have reported depths of 2.5 feet within the channel. A precautionary sign with a flashing red light has been posted at the entrance to the harbor alerting mariners to the shoaling and advises them to use caution. Vessels drafting more than 4 feet should not …
(13/09 CG14) 20/09

COAST PILOT 7 41 Ed 2009 Change No. 18
LAST NM 20/09

Page 348—Paragraph 213, line 3 to Paragraph 215, line 6; read:

Wharfinger.

In addition to the San Francisco Port Authority regulations, the Coast Guard Captain of the Port has issued the following supplemental regulations for vessels carrying explosives and certain hazardous bulk cargoes. Vessels entering or leaving San Francisco Bay laden with explosives (Class A or Military) having a net explosive weight in excess of 100 short tons for ships and in excess of 5 short tons for barges, or carrying certain dangerous cargo as listed in 33 CFR 160.204, may be escorted by a Coast Guard patrol …
(33 CFR 160.204; NOS/09) 25/09

Page 348—Paragraph 218; read:

(c) A 96 hour advance notice of arrival is required.
(33 CFR 160.204; NOS/09) 25/09

COAST PILOT 7 41 Ed 2009 Change No. 19
LAST NM 25/09

Page 107—Paragraph 1548, lines 3 to 14; read:

near Stockton, from May 15 through September 15, shall open on signal between the hours of 9 a.m. and 5 p.m., and it shall open upon 12 hours advance notice between the hours of 5 p.m. and 9 a.m.; and from September 16 through May 14 the draw shall open upon 12 hours advance notice between the hours of 9 a.m. and 5 p.m., and it shall open upon 24 hours advance notice between the hours of 5 p.m. and 9 a.m. Advance notice shall be given to the drawbridge operator by telephone at (209) 464-2959 or (209) 464-7928 weekdays between 8 a.m. and 5 p.m., and (209) 993-8878 all other times.
(FR 6/25/09) 31/09

Page 363—Paragraph 377, line 9; read:

tonnage requirements to transit the Pinole Shoal Regulated …
(33 CFR 165.1181) 31/09

COAST PILOT 7 41 Ed 2009 Change No. 20
LAST NM 31/09

Page 664—Paragraphs 378 to 383; read:

San Diego, CA: Interstate Office Park, 4542 Ruffner St., Room 370, San Diego, CA 92111-2216.

Los Angeles, CA: Cerritos Corporate Tower, 18000 Studebaker Rd., Room 660, Cerritos, CA 90701-3684.

San Francisco, CA: 5653 Stoneridge Drive, Suite 105, Pleasanton, CA 94588-8543.

Seattle WA: 11410 NE 122nd Way, Room 312, Kirkland, WA 98034-6927.

Telephone toll-free: 1-888-225-5322; (1-888-CALL-FCC) to report radio communications interference issues.
(Internet/09) 33/09

COAST PILOT 8 31 Ed 2009 NEW EDITION
(NOS) 31/09

COAST PILOT 8 31 Ed 2009 Change No. 1
LAST NM 31/09

Page 223—Paragraph 357, line 5; read:

numerous uncharted rocks and shoals were reported. A rock covered 1¼ fathoms, centered in the pass, is at 55°25'59"N., 133°33'23"W.; extreme caution is advised.
(CL 595/09; 18/09 CG17) 32/09

Page 392—Paragraphs 279 to 280; read:

District Field Office:

San Francisco, CA: 5653 Stoneridge Drive, Suite 105, Pleasanton, CA 94588-8543.

Telephone toll-free: 1-888-225-5322; (1-888-CALL-FCC) to report radio communications interference issues.
(Internet/09) 32/09

COAST PILOT 9 26 Ed 2008 NEW EDITION
(NOS) 29/08

COAST PILOT 9 26 Ed 2008 Change No. 1
LAST NM 29/08

Page 43—Table, insert after Part 168—Escort Requirements for Certain Tankers:

Part 169 Ship Reporting Systems
(FR 4/29/08) 30/08

Page 97—Paragraph 1273, line 2; read:

tanker master, pilot or escort vessel masters.

Part 169-Ship Reporting Systems

Subpart A-General

§169.1 What is the purpose of this part?

This subpart prescribes the requirements for mandatory ship reporting systems. Ship reporting systems are used to provide, gather, or exchange information through radio reports. The information is used to provide data for many purposes including, but not limited to: navigation safety, maritime security and domain awareness, environmental protection, vessel traffic services, search and rescue, weather forecasting and prevention of marine pollution.

§169.5 How are terms used in this part defined?

As used in this part–

Administration means the Government of the State whose flag the ship is entitled to fly.

Cargo ship means any ship which is not a passenger ship.

Flag Administration means the Government of a State whose flag the ship is entitled to fly.

Gross tonnage means tonnage as defined under the International Convention on Tonnage Measurement of Ships, 1969 (Incorporated by reference, see §169.15).

Gross tons means vessel tonnage measured in accordance with the method utilized by the flag state administration of that vessel.

High speed craft means a craft that is operable on or above the water and is capable of a maximum speed equal to or exceeding $V=3.7xdispl^{1667}$, where "V" is the maximum speed and "displ" is the vessel displacement corresponding to the design waterline in cubic meters.

High speed passenger craft means a high speed craft carrying more than 12 passengers.

International voyage means a voyage from a country to which the present International Convention for the Safety of Life at Sea (SOLAS), 1974 applies to a port outside such country, or conversely. For U.S. ships, such voyages will be considered to originate at a port in the United States, regardless of when the voyage actually began. Such voyages for U.S. ships will continue until the ship returns to the United States from its last foreign port.

Long range identification and tracking (LRIT) information or position report means report containing the following information:

(1) The identity of the ship;

(2) The position of the ship (latitude and longitude); and

(3) The date and time of the position provided.

LRIT Data Center means a center established by a SOLAS Contracting Government or a group of Contracting Governments, or in the case of International Data Center, by IMO, to request, receive, process, and archive LRIT information. An LRIT Data Center may be National, Regional, Co-operative or International.

Mandatory ship reporting system means a ship reporting system that requires the participation of specified vessels or classes of vessels, and that is established by a government or governments after adoption of a proposed system by the International Maritime Organization (IMO) as complying with all requirements of regulation V/8–1 of the International Convention for the Safety of Life at Sea, 1974, as amended (SOLAS), except paragraph (e) thereof.

Mobile offshore drilling unit means a self-propelled vessel capable of engaging in drilling operations for the exploration or exploitation of subsea resources.

Passenger ship means a ship that carries more than 12 passengers.

Self-propelled ships means ships propelled by mechanical means.

Shore-based authority means the government appointed office or offices that will receive the reports made by ships entering each of the mandatary ship reporting systems. The office or offices will be responsible for the management and coordination of the system, interaction with participating ships, and the safe and effective operation of the system. Such an authority may or may not be an authority in charge of a vessel traffic service.

United States means the States of the United States, the District of Columbia, Guam, Puerto Rico, the Virgin Islands, American Samoa, the Northern Mariana Islands, and any other territory or possession of the United States.

§169.10 What geographic coordinates are used?

Geographic coordinates expressed in terms of latitude or longitude, or both, are not intended for plotting on maps or charts where the referenced horizontal datum is the North American Datum of 1983 (NAD 83), unless such geographic coordinates are expressly labeled NAD 83. Geographic coordinates without the NAD 83 reference may be plotted on maps or charts referenced to NAD 83 only after application of the appropriate corrections that are published on the particular map or chart being used.

§169.15 Incorporation by reference: Where can I get a copy of the publications mentioned in this part?

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the Coast Guard must publish notice of change in the **Federal Register** and the material must be available to the public. All approved material is available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030 or go to *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html*.

Also, it is available for inspection at the Coast Guard, Office of Navigation Systems (CG-54132), 2100 Second Street, SW., Washington, DC 20593-0001, and is available from the sources indicated in this section.

(b) *International Electrotechnical Commission (IEC) Bureau Central de la Commission Electrotechnique Internationale*, 3 rue de Varembé, P.O. Box 131, 1211 Geneva 20, Switzerland.

(1) IEC 60945, Fourth edition 2002-08, Maritime navigation and radiocommunication equipment and systems–General requirements–Methods of testing and required test results, incorporation by reference approved for §169.215.

(2) [Reserved]

(c) *International Maritime Organization (IMO)*, 4 Albert Embankment, London SE1 7SR, U.K.

(1) IMO Resolution MSC.202(81), adopted on May 19, 2006, Adoption of Amendments to the International Convention for the Safety of Life at Sea, 1974, as Amended, incorporation by reference approved for §160.240.

(2) IMO Resolution MSC. 210(81), adopted on May 19, 2006, Performance Standards and Functional Requirements for the Long-Range Identification and Tracking of Ships, incorporation by reference approved for §§169.215 and 169.240.

(3) IMO Resolution MSC.254(83), adopted on October 12, 2007, Adoption of Amendments to the Performance Standards and Functional Requirements for the Long-Range Identification and Tracking of Ships, incorporation by reference approved for §§169.215 and 169.240.

(4) IMO Resolution A.694(17), adopted on November 6, 1991, General Requirements for Shipborne Radio Equipment Forming Part of the Global Maritime Distress and Safety System (GMDSS) and for Electronic Navigational Aids, incorporation by reference approved for §165.215.

(5) International Convention on Tonnage Measurement of Ships, 1969, incorporation by reference approved for §169.5.

Subpart C-Transmission of Long Range Identification and Tracking Information

§169.200 What is the purpose of this subpart?

This subpart implements Regulation 19-1 of SOLAS Chapter V (SOLAS V/19-1) and requires certain ships engaged on an international voyage to transmit vessel identification and position information electronically. This requirement enables the Coast Guard to obtain long range identification and tracking (LRIT) information and thus heightens our overall maritime domain awareness, enhances our search and rescue operations, and increases our ability to detect anomalies and deter transportation security incidents.

§169.205 What types of ships are required to transmit LRIT information (position reports)?

The following ships, while engaged on an international voyage, are required to transmit position reports:

(a) A passenger ship, including high speed passenger craft.

(b) A cargo ship, including high speed craft, of 300 gross tonnage or more.

(c) A mobile offshore drilling unit while underway and not engaged in drilling operations.

§169.210 Where during its international voyage must a ship transmit position reports?

The requirements for the transmission of position reports, imposed by the United States, vary depending on the relationship of the United States to a ship identified in §169.205.

(a) *Flag State relationship*. A U.S. flag ship engaged on an international voyage must transmit position reports wherever they are located.

(b) *Port State relationship*. A foreign flag ship engaged on an international voyage must transmit position reports after the ship has announced its intention to enter a U.S. port or place under requirements in 33 CFR part 160, subpart C.

(c) *Coastal State relationship.* A foreign flag ship engaged on an international voyage must transmit position reports when the ship is within 1,000 nautical miles of the baseline of the United States, unless their Flag Administration, under authority of SOLAS V/19-1.9.1, has directed them not to do so.

§169.215 How must a ship transmit position reports?

A ship must transmit position reports using Long Range Identification and Tracking (LRIT) equipment that has been type-approved by their Administration. To be type-approved by the Coast Guard, LRIT equipment must meet the requirements of IMO Resolutions A.694(17), MSC.210(81), and MSC.254(83), and IEC standard IEC 60945 (Incorporated by reference, see §169.15).

§169.220 When must a ship be fitted with LRIT equipment?

A ship identified in §169.205 must be equipped with LRIT equipment–

(a) Before getting underway, if the ship is constructed on or after December 31, 2008.

(b) By the first survey of the radio installation after December 31, 2008, if the ship is–

(1) Constructed before December 31, 2008, and

(2) Operates within–

(i) One hundred (100) nautical miles of the United States baseline, or

(ii) Range of an Inmarsat geostationary satellite, or other Application Service Provider recognized by the Administration, with continuous alerting is available.

(c) By the first survey of the radio installation after July 1, 2009, if the ship is–

(1) Constructed before December 31, 2008, and

(2) Operates within the area or range specified in paragraph (b)(2) of this section as well as outside the range of an Inmarsat geostationary satellite with which continuous alerting is available. While operating in the area or range specified in paragraph (b)(2) of this section, however, a ship must install LRIT equipment by the first survey of the radio installation after December 31, 2008.

§169.225 Which Application Service Providers may a ship use?

A ship may use an Application Service Provider (ASP) recognized by its administration. Some Communication Service Providers may also serve as an ASP.

§169.230 How often must a ship transmit position reports?

A ship's LRIT equipment must transmit position reports at 6-hour intervals unless a more frequent interval is requested remotely by an LRIT Data Center.

§169.235 What exemptions are there from reporting?

A ship is exempt from this subpart if it is–

(a) Fitted with an operating automatic identification system (AIS), under 33 CFR 164.46, and operates only within 20 nautical miles of the United States baseline,

(b) A warship, naval auxiliaries or other ship owned or operated by a SOLAS Contracting Government and used only on Government non-commercial service, or

(c) A ship solely navigating the Great Lakes of North America and their connecting and tributary waters as far east as the lower exit of the St. Lambert Lock at Montreal in the Province of Quebec, Canada.

§169.240 When may LRIT equipment be switched off?

A ship engaged on an international voyage may switch off its LRIT equipment only when it is permitted by its Flag Administration, in circumstances detailed in SOLAS V/19–1.7, or in paragraph 4.4.1, of resolution MSC.210(81), as amended by resolution MSC.254(83) (Incorporated by reference, see §169.15).

§169.245 What must a ship master do if LRIT equipment is switched off or fails to operate?

(a) If a ship's LRIT equipment is switched off or fails to operate, the ship's master must inform his or her Flag Administration without undue delay.

(b) The master must also make an entry in the ship's logbook that states–

(1) His or her reason for switching the LRIT equipment off, or an entry that the equipment has failed to operate, and

(2) The period during which the LRIT equipment was switched off or non-operational.

Note to §169.245: for U.S. vessels, the U.S. Coast Guard serves as the Flag Administration for purposes of this section. All LRIT notifications for the U.S. Flag administration, in addition to requests or questions about LRIT, should be communicated to the U.S. Coast Guard by e-mail addressed to LRIT@uscg.mil.
(FR 4/29/08) 30/08

COAST PILOT 9 26 Ed 2008 Change No. 2
LAST NM 30/08

Page 321—Paragraph 457, line 7; read:

shoal is 0.4 mile offshore with a least depth of 2¾ fathoms in about 55°21'37"N., 160°30'37"W.
(H 11330; BP 191942) 31/08

Page 321—Paragraph 459, lines 5 to 9; read:

½-fathom rock 3 miles SE of Egg Island in about 55°15'50"N., 160°26'02"W.; a 5½-fathom spot in about 55°19'39"N., 160°31'33"W., and 0.5 mile 013° from Sand Point; **Caton Shoal**, 0.6 mile N of Sand Point, with a 3-fathom spot; **Unga Reef**, 0.8 mile N of Sand Point; and reefs covered 2¾ fathoms on both ...
(H 11330; H 11331; BPs 1919941-42; BP 191995) 31/08

Page 327—Paragraph 550, line 1; read:

Iliasik Islands Light (55°02'15"N., 161°56'21"W.), ...
(LL/07) 31/08

Page 501—Paragraph 22, line 7 to Page 502—Paragraph 27; read:

further use of the chart for navigation may be dangerous.
(DOLE/08) 31/08

Page 502—Paragraph 50; read:

Dates of Latest Editions

Information concerning the dates of latest editions for the full suite of NOAA's nautical charts and U.S. Coast Pilot volumes can be found at: **www.nauticalcharts.noaa.gov/mcd/dole.htm**.
(DOLE/08) 31/08

COAST PILOT 9 26 Ed 2008 Change No. 3
LAST NM 31/08

Page 50—Paragraph 129, line 10; read:

Standards (CG-522), 2100 Second Street S.W., Washington, …
(FR 6/19/08) 34/08

Page 51—Paragraph 177, line 3; read:

(CG-543).
(FR 6/19/08) 34/08

Page 52—Paragraph 228, line 4; read:

(CG-543), U.S. Coast Guard, Washington, DC …
(FR 6/19/08) 34/08

Page 53—Paragraph 235, line 3; read:

referred to the Commandant (CG-543), U.S. Coast ….
(FR 6/19/08) 34/08

Page 54—Paragraph 272, line 2; read:

line, as defined in 33 CFR 2.20.
(FR 6/19/08) 34/08

COAST PILOT 9 (Continued)

Page 68—Portion of Table 161.12(c); read:

Puget Sound[7] *Seattle Traffic 003669957*	156.700 MHZ (Ch. 14)	The waters of Puget Sound, Hood Canal and adjacent waters south of a line connecting Nodule Point and Bush Point in Admiralty Inlet and south of a line drawn due east from the southernmost tip of Possession Point on Whidbey Island to the shoreline.
Seattle Traffic 003669957	156.250 MHZ (Ch. 5A)	The waters of the Strait of Juan de Fuca east of 124º40'W excluding the waters in the central portion of the Strait of Juan de Fuca north and east of Race Rocks; the navigable waters of the Strait of Georgia east of 122º52'W; the San Juan Island Archipelago, Rosario Strait, Bellingham Bay; Admiralty Inlet north of a line connecting Nodule Point and Bush Point and all waters east of Whidbey Island North of a line drawn due east from the southernmost tip of Possession Point on Whidbey Island to the shoreline.

(FR 6/19/08) 34/08

Page 74—Paragraph 635, lines 8 to 9; read:

approved material is available for inspection at the Navigation Systems Division (CG-5413), Coast Guard …
(FR 6/19/08) 34/08

Page 265—Paragraph 462, line 2; read:

a controlling depth of 2½ fathoms. Shoals and …
(CL 638/08; DD 11296) 34/08

Page 321—Paragraph 459, lines 3 to 4; read:

must be avoided: a rock covered 3¾ fathoms is 4 miles SSE of Egg Island and 0.5 mile off the Unga Island shore in about 55°13'01"N., 160°28'47"W.; a …
(H 11332; BP 191842) 34/08

Page 323—Paragraph 476, lines 5 to 6; read:

area, covered 2½ fathoms and surrounded by sandy bottom, is in the middle 0.5 mile from the head of the bay in about 55°14'09"N., 160°33'25"W.
(H 11332; BP 191842) 34/08

Page 323—Paragraph 483, lines 7 to 8; read:

surmounted by a flagpole. A 33-foot high island, close SW of the point, is connected at mean lower low water.
(H 11332; BP 191841) 34/08

COAST PILOT 9 26 Ed 2008 Change No. 4
LAST NM 34/08

Page 140—Paragraph 182, lines 7 to 8; read:

prominent, **Point Bentinck Light** (60°23'32"N., 146° 05'31"W.), 47 feet above the water, is shown from a …
(25/08 CG17; LL/07) 38/08

Page 143—Paragraph 226, line 5; read:

vapor-laden airs of the Gulf of Alaska causes changeable weather; sudden wind squalls and thick fogs are common.
(CP 9/07) 38/08

Page 320—Paragraph 439, line 3; read:

yards off the point. A 9½-fathom shoal is 1.7 miles NW …
(DD 11507; H 11581) 38/08

COAST PILOT 9 26 Ed 2008 Change No. 5
LAST NM 38/08

Page 13—Paragraph 134, line 19; read:

intended for use by the Department of Defense. Please report GPS problems or anomalies at http://www.navcen.uscg.gov/gps/ or contact the USCG Navigation Information Service at 703-313-5900.
(DD 12026) 42/08

Page 139—Paragraph 172, line 1; read:

Egg Island Light E (60°21'59"N., 145°45'19"W.), …
(38/08 CG17; LL/07) 42/08

Page 140—Paragraph 182, lines 7 to 8; read:

prominent. **Point Bentinck Light** (60°23'32"N., 146°05'30"W.), 47 feet above the water, is shown from a …
(38/08 CG17; LL/07) 42/08

Page 154—Paragraph 392, line 4; read:

(60°57'02"N., 146°46'06"W.), 38 feet (11.6 m) above the …
(38/08 CG17; LL/07) 42/08

Page 206—Paragraph 1103, lines 4 to 5; read:

the point. **Perl Island Light 1** (59°07'04"N., 151°38'24"W.), 80 feet (24.4 m) above the water, is …
(38/08 CG17; LL/07) 42/08

Page 267—Paragraph 496, line 7; read:

miles in clear weather. In 2006, an obstruction covered ¾-fathom was reported approximately 1 mile E of the island in 55°48'31"N., 155°32'01"W.
(CL 920/08; DD 11859) 42/08

Page 267—Paragraph 497, lines 11 to 12; read:

side of the island. In 2006, depths less than those charted were in the area, …
(CL 1015/08; CL 1020/08; DD 12219; DD 11228) 42/08

Page 329—Paragraph 578, lines 4 to 6; read:

through a dredged channel. In June 2006, the controlling depth in the entrance channel was 14.2 feet with 13 to 15 feet in the basin and alongside the piers.
(BP 190133) 42/08

COAST PILOT 9 26 Ed 2008 Change No. 6
LAST NM 42/08

Page 475—Paragraph 605, lines 3 to 5; read:

was available in the outer harbor entrance. In July 2008, the entrance to the inner harbor had 9.0 feet (2.7 m) available (10.0 feet (3.0 m) at midchannel), thence 9.8 feet (2.4 m) in the inner harbor and 6.7 …
(BPs 192664-66) 8/09

COAST PILOT 9 26 Ed 2008 Change No. 7
LAST NM 08/09

Page 6—Paragraph 52, line 7; read:

website is http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html.
(NOS/09) 11/09

Page 216—Paragraph 1217, lines 8 to 11; read:

interests. In September 2008, the controlling depth in the entrance was 18.3 feet (20 feet at midchannel) to the beginning of the piers, thence 10 feet to the end of the project.
(BPs 193807-09) 11/09

Page 502—Paragraph 43, lines 2 to 3; read:

on the internet only at http://www.nauticalcharts.noaa.gov/nsd/distances-ports/.)
(NOS/09) 11/09

COAST PILOT 9 26 Ed 2008 Change No. 8
LAST NM 11/09

Page 481—Paragraph 8, line 4; read:

lost above Cape Lisburne. In 2008, adequate satellite coverage was reported in the area to obtain GPS position fixes. DGPS correctors are not broadcast in the area.
(DD 12866) 13/09

Page 487—Paragraph 82, line 5 to Paragraph 83; read:

visible well off-shore. Large bulk carriers anchor approximately 4 miles S of the facility and have their loads barged out to them. The pier (67°34'24"N., 164°03'59"W.) is public but space is limited. The mining camp maintains telephone and radiotelephone communications year round; telephone 907-645-2184. Air service is available. A racon (67°34.7'N., 164°03.2'W.), loading facility lights, and mooring buoys mark the site. Local knowledge is advised in approaching the area; pilots can be reached on VHF-FM channel 7A.

About 42 miles NNW of Cape Krusenstern is the inlet to a lagoon that extends another 8 miles NW behind the barrier beach that separates it from the ocean. **Kivalina**, on the barrier beach N of the inlet, has a prominent landmark of a brown building with large erosion mitigation sandbags. The village has a school, a volunteer search and rescue organization (VHF-FM channel 16), a store, and a telecommunications center on VHF-FM channel 68. Small-craft anchorage is available along the inner side of the village where the channel bears in close to shore. Shifting shoals extend as much as 0.3 mile from either side of the inlet, and entrance should not be attempted without local pilotage. Mariners transiting the area are requested to contact the Kivalina telecom center on VHF-FM channel 68 for information on whaling activities. Severe fall storms have caused storm surges large enough to warrant the evacuation of the town, anchorage off Kivalina offers no protection from these storms.
(DD 12866) 13/09

Page 488—Paragraph 91, lines 6 to 9; read:

numerous lagoons. Point Hope is the most important and oldest settlement along this part of the coast and has a telecommunications center and volunteer search and rescue center which can be contacted on VHF-FM channels 16 and 68. Point Hope has a police station, a fire station, a school, a

radio and cable TV station, DSL internet service, and an airstrip. Limited quantities of marine gasoline and diesel fuel are also available at Point Hope. Subsistence whaling at Point Hope occurs in the spring (April-May) and fall (September-October) as far as 30 miles offshore. Vessels transiting in the vicinity of Point Hope during these times are requested to contact the Alaska Eskimo Whaling Commission and the Point Hope communications center on VHF-FM channel 68. An aero radiobeacon (68°21.0'N., 166°47.2'W.) …

(DD 12866; CL 1140/08) 13/09

Page 489—Paragraph 101, lines 1 to 3; read:

Point Lay is a slight bend in the barrier beach 49 miles NNE of Cape Beaufort. The original village of Point Lay, destroyed by a fire, is on the beach 3 miles S of the point. Ruins of the original village are visible on the barrier island. Approximately 700 yards south of the ruins is an uncharted entrance to the lagoon. The lagoon is extremely shallow and is navigable only by small craft. Depths in the lagoon can be dramatically reduced by east winds and passes through the barrier islands to the lagoon are often blocked by shallow or exposed sand bars. The village of Point Lay has a telecommunications center and volunteer search and rescue center which can be contacted on VHF-FM channels 16 and 68. Subsistence harvesting of Beluga whales occurs at Point Lay during the months of June and July and vessels should contact the Point Lay telecommunications center on VHF-FM channel 68 if transiting in the area during this time. Anchorage is in …

(DD 12866) 13/09

Page 490—Paragraphs 113 to 114; read:

Wainwright, on the beach 2.5 miles NE of the inlet, has stores, a hotel and restaurant, a school, a church, and an airstrip. Wainwright bans the possession, sale and importation of alcohol. Limited quantities of fuel are also available in town and include marine gasoline and diesel. Subsistence hunting of marine mammals occurs around Wainwright year round but is heaviest during the spring Bowhead whale season. Vessels should contact the Alaskan Eskimo Whaling Committee when transiting near Wainwright during the spring and summer months. Wainwright operates a volunteer search and rescue service which can be contacted on VHF-FM channel 16. Vessels are requested to check in with Wainwright SAR with their vessel name and position when transiting near Wainwright on VHF-FM channel 16.

A rotating green and white aerolight (70°38'17"N., 160°01'05"W.) is located near the Wainwright airstrip (70°36'36"N., 159°51'54"W.)

(DD 12866; 46/08 CG17) 13/09

Page 491—Paragraphs 127 to 128; read:

Barrow, 8.5 miles SW of point Barrow, is the government seat of the North Slope Borough and the largest community north of the Brooks Range. Barrow has a hospital, several churches, schools, a telecommunications center operating on VHF-FM channel 68, and several stores; limited quantities of supplies include gasoline, diesel fuel, food, and clothing. Air-freight and commercial flight service are available throughout the year. Subsistence hunting of marine mammals occurs at Barrow year round as far as 30 miles offshore and is heaviest during the spring and fall Bowhead whale seasons. Vessels transiting the area during the whaling seasons are requested to contact Barrow on VHF-FM channel 68. Vessel traffic is at its heaviest during the summer months after the whaling season and consists of tugs carrying fuel and supply barges. Barrow is a destination for small cruise ships carrying as many as 400 passengers. A seasonal U.S. Coast Guard forward operating station is active out of Barrow from July to August. The North Slope Borough also operates a volunteer search and rescue operation and can be hailed on VHF-FM channel 16. An aerolight (71°17'17"N., 156°46'18"W.) is at the airport. Three miles NE of Barrow is the Barrow Arctic Science Consortium (BASC), the University of Ilisagvik, and an aerolight (71°19'40"N., 156°40' 38"W.) About 0.8 mile NE of the Barrow Arctic Science Consortium is an airstrip and an aerolight (71°20'08"N., 156°38'20"W.) The dome (71°19'40"N., 156°37'57"W.) NE of the laboratory is also very prominent.

Barrow is not a port of entry.

(DD 12866; NOS 16082; 23/98 CG17) 13/09

Page 492—Paragraph 142, lines 3 to 5; read:

Point Barrow in the spring from March through June and in the fall from September through November. Vessel operators are requested to contact the Alaska Eskimo Whaling Commission at 907-852-2392 or 800-478-2392 or aewcdir@barrow.com …

(DD 12866) 13/09

Page 492—Paragraph 143, lines 9 to 12; read:

year; there is nothing distinctive in the area.

(DD 12866) 13/09

Page 497—Paragraph 201, line 6 to Paragraph 202; read:

Kaktovik is on the north shore of Barter Island between the Okpilak and Jago Rivers. Kaktovik can be easily identified from sea by a large white radar dome and tower. The approach to Kaktovik is characterized by shifting shoals and approaches to the beach are not recommended without local knowledge. In 2008, an uncharted shoal was reported about 400 yards N of the beach running E to W for approximately

0.5 mile with depths of about 3 to 4 feet. The village consists of several homes, a telecommunications center operating on VHF-FM channel 68, a post office, a fire and rescue service, a health clinic, and a store with limited supplies of food, clothing, first-aid, and hardware. The sale and possession of alcoholic beverages is prohibited within Kaktovik. Kaktovik has an airstrip with service to Barrow and Fairbanks. An aero radiobeacon (70°07.9'N., 143°38.5'W.) and an aerolight (70°08.2'N., 143°35.2'W.) are on the island. Subsistence hunting of marine mammals occurs at Kaktovik year round as far as thirty miles offshore. There are no piers or small boat facilities; however, limited amounts of gasoline and diesel fuel are available. Kaktovik lies within Arctic National Wildlife Refuge.

Kaktovik is not a port of entry.
(DD 12866; CL 1188/08; NOS 16043) 13/09

COAST PILOT 9 26 Ed 2008 Change No. 9
LAST NM 13/09

Page 213—Paragraph 1192, lines 2 to 3; read:

there are no outlying dangers other than a submerged wreck covered ½-fathom about 1.33 miles **352°** from the N end of the Deep Water Dock at 59°37'32"N., 151°25'11"W. **Mud Bay** is within Coal Bay.
(DD 12878; DD 12034) 18/09

Page 213—Paragraph 1195, line 5; read:

mile NNE of Coal Point, in 22 fathoms. Smaller vessels can anchor almost anywhere NE of the spit in 2 to 10 fathoms, mud bottom. Due to the large tidal range in Kachemak Bay, mariners should exercise caution when anchoring.
(DD 12878) 18/09

COAST PILOT 9 26 Ed 2008 Change No. 10
LAST NM 18/09

Page 181—Paragraph 728, line 11; read:

Pleiades Light (60°14'23"N., 148°00'38"W.), 30 feet (9.1 …
(08/09 CG17; LL/09) 19/09

Page 334—Paragraph 659, line 5; read:

Cape Krenitzin Light 7 (55°03'47"N., 163°25'18"W.), 30 …
(08/09 CG17; LL/09) 19/09

COAST PILOT 9 26 Ed 2008 Change No. 11
LAST NM 19/09

Page 505—Paragraph 132; read:

Juneau, AK: 2760 Sherwood Lane, Suite 2A, 99801-8545

(D) Juneau, AK: 9105 Mendenhall Mall Road, Suite 170, 99801-7113.
(CL 422/09) 24/09

COAST PILOT 9 26 Ed 2008 Change No. 12
LAST NM 24/09

Page 48—Paragraph 103, line 1; read:

§70.05-10 Revocation of merchant mariner credential officer endorsement or license.

Every master, pilot, and engineer, or person or persons …
(FR 3/16/09; CL 438/09) 28/09

Page 48—Paragraph 103, line 8; read:

merchant mariner credential officer endorsement or license revoked or suspended for a term to be fixed by …
(FR 3/16/09; CL 438/09) 28/09

Page 59—Paragraph 379, lines 1 to 2; read:

(4) While underway, does not have at least one deck officer on the navigation bridge who is capable …
(FR 3/16/09; CL 438/09) 28/09

Page 76—Paragraph 695, line 7 to Paragraph 696; read:

at least an engineer with an appropriately endorsed license or merchant mariner credential.

(c) Each tanker must navigate with at least two deck officers with an appropriately endorsed license or merchant mariner credential on watch on the bridge, one of whom may be a pilot. In waters where a pilot is required, the second officer, must be an individual holding an appropriately endorsed license or merchant mariner credential and assigned to the vessel as master, mate, or officer in charge of navigational watch, who is separate and distinct from the pilot
(FR 3/16/09; CL 438/09) 28/09

Page 82—Paragraph 871; insert after:

Merchant mariner credential or MMC means the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.
(FR 3/16/09; CL 438/09) 28/09

Page 191—Paragraph 880, line 19; read:

shoals at its head is SW of the island. In 2009, shoaling to bare was reported at about 59°46'59"N., 150°03'51"W. Most of the …
(CL 449/09) 28/09

COAST PILOT 9 26 Ed 2008 Change No. 13
LAST NM 28/09

Page 89—Paragraphs 1040 to 1044; strike out.
(33 CFR 165) 31/09

Page 508—Paragraph 285; read:

San Francisco, CA: 5653 Stoneridge Drive, Suite 105, Pleasanton, CA 94588-8543. Telephone toll-free: 1-888-225-5322; (1-888-CALL-FCC) to report radio communications interference issues.

(Internet/09) 31/09

Figure 1. Southeast United States

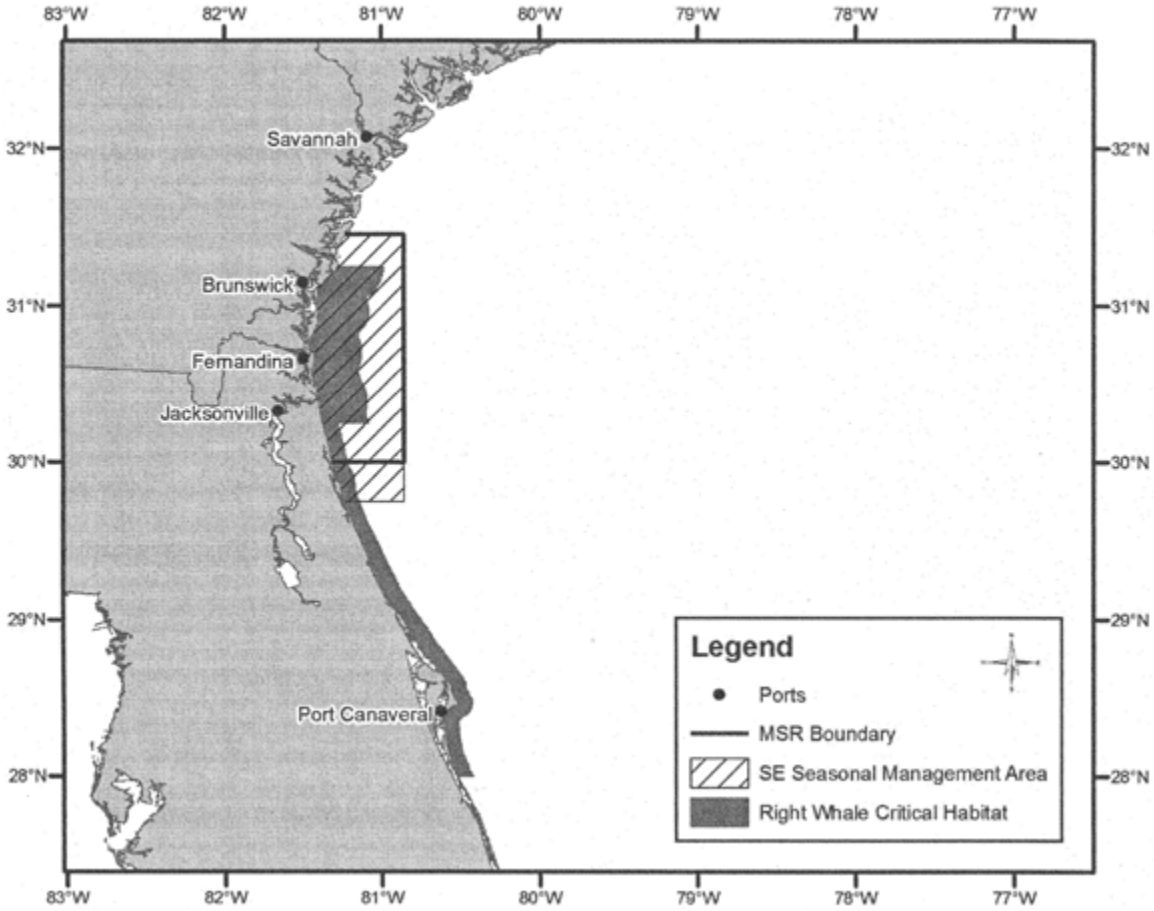


Figure 2. Mid-Atlantic United States

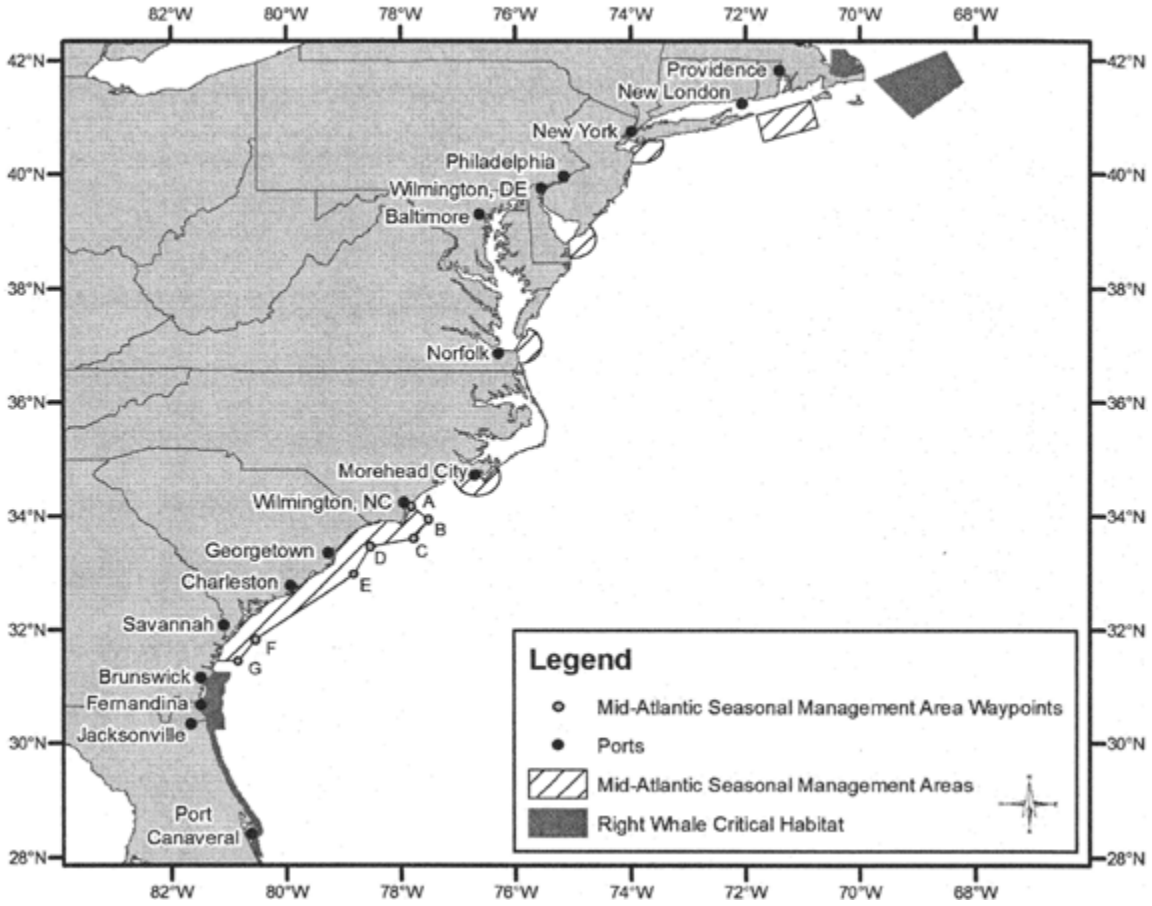
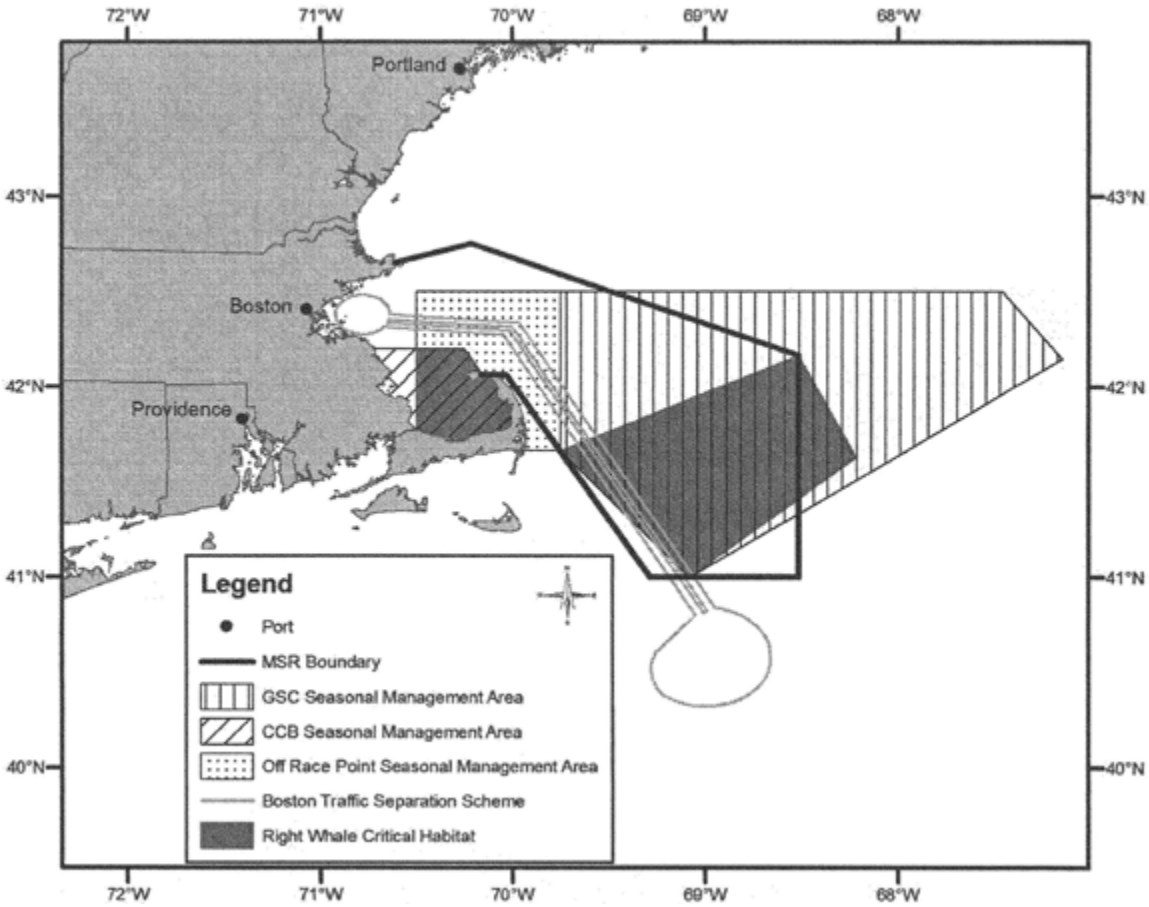
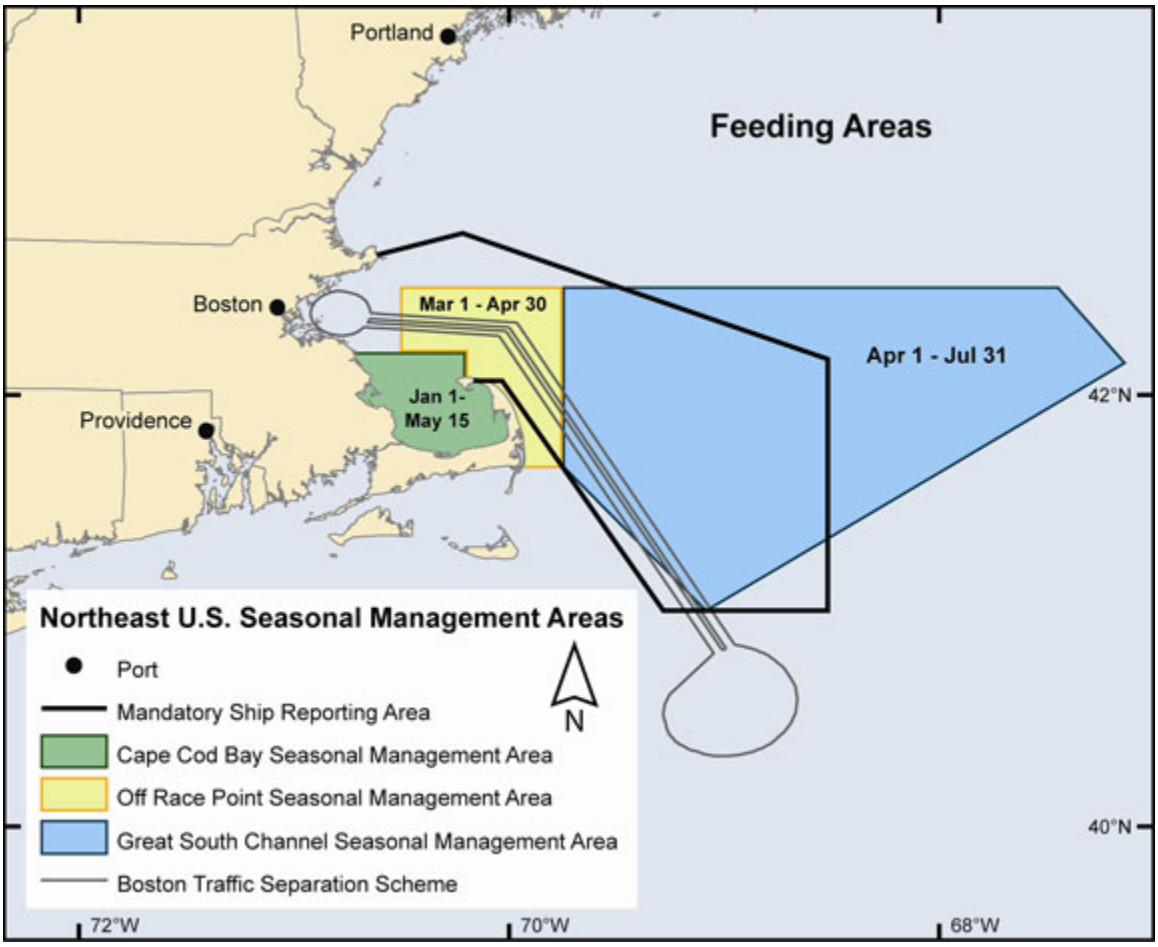


Figure 3. Northeast United States



169



COAST PILOT 2

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New London
New York
Block Island
Philadelphia
Baltimore
40°N
Migratory Route &
Calving Grounds
November 1 through April 30
Norfolk
Morehead City
35°N
Wilmington, NC
A
B
C
D
E
Charleston
Savannah
F
G
Mid-Atlantic U.S. Seasonal Management Areas
Mid-Atlantic Seasonal Management Area Waypoints
Ports
Mid-Atlantic Seasonal Management Areas
N
80°W
75°W
70°W

169

New London
New York
Block Island
Philadelphia
Baltimore
40°N
Migratory Route &
Calving Grounds
November 1 through April 30
Norfolk
Morehead City
35°N
Wilmington, NC
A
B
C
D
E
Charleston
Savannah
F
G
Mid-Atlantic U.S. Seasonal Management Areas
Mid-Atlantic Seasonal Management Area Waypoints
Ports
Mid-Atlantic Seasonal Management Areas
N
80°W
75°W
70°W

169

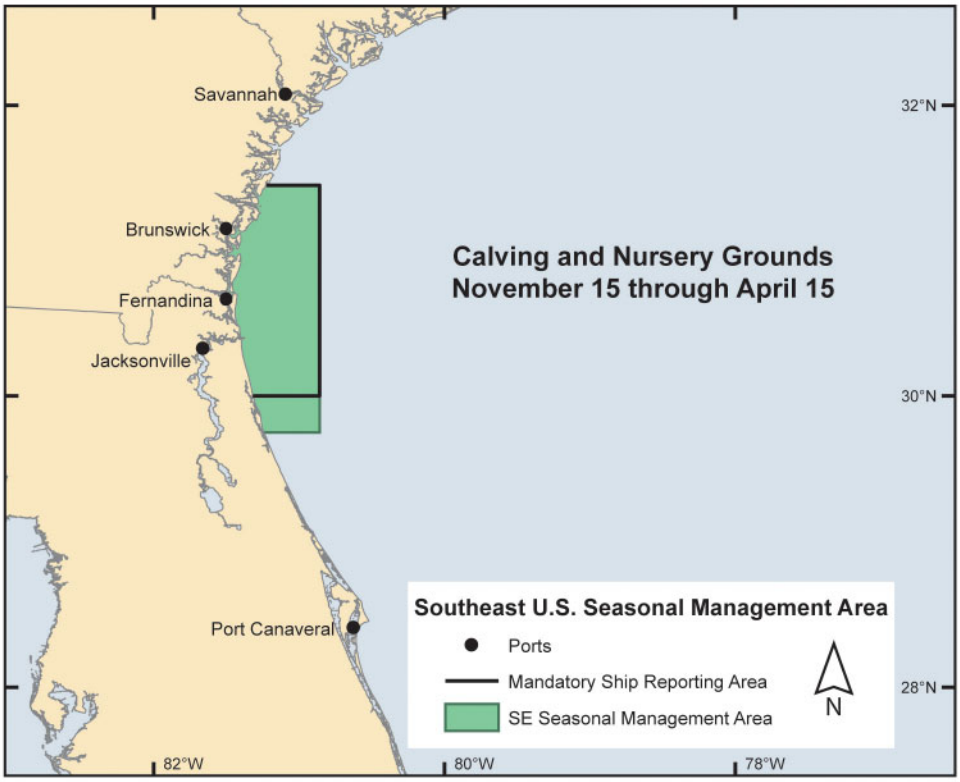

Savannah
Brunswick
Fernandina
Jacksonville
Port Canaveral
Calving and Nursery Grounds
November 15 through April 15
Southeast U.S. Seasonal Management Area
Ports
Mandatory Ship Reporting Area
SE Seasonal Management Area
N
32°N
30°N
28°N
82°W
80°W
78°W

Figure 1. Southeast United States

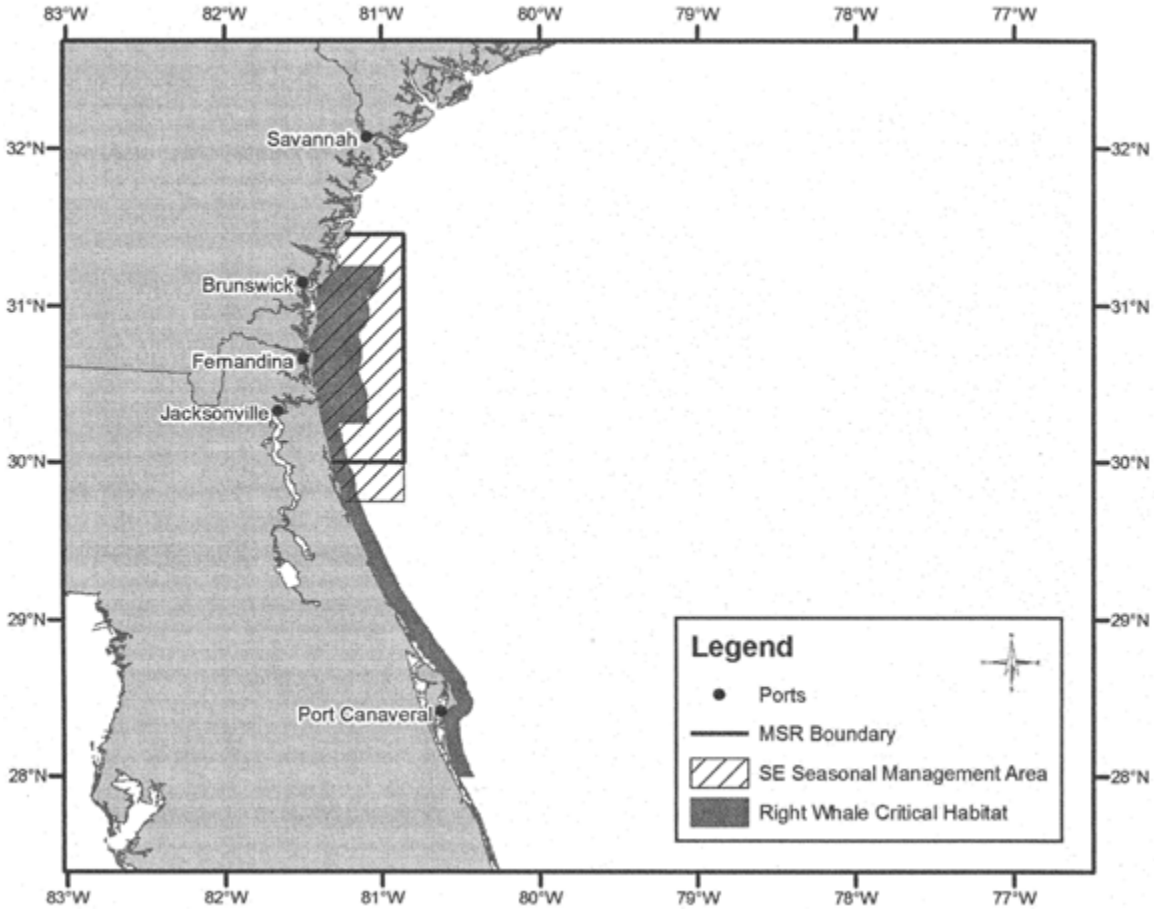


Figure 2. Mid-Atlantic United States

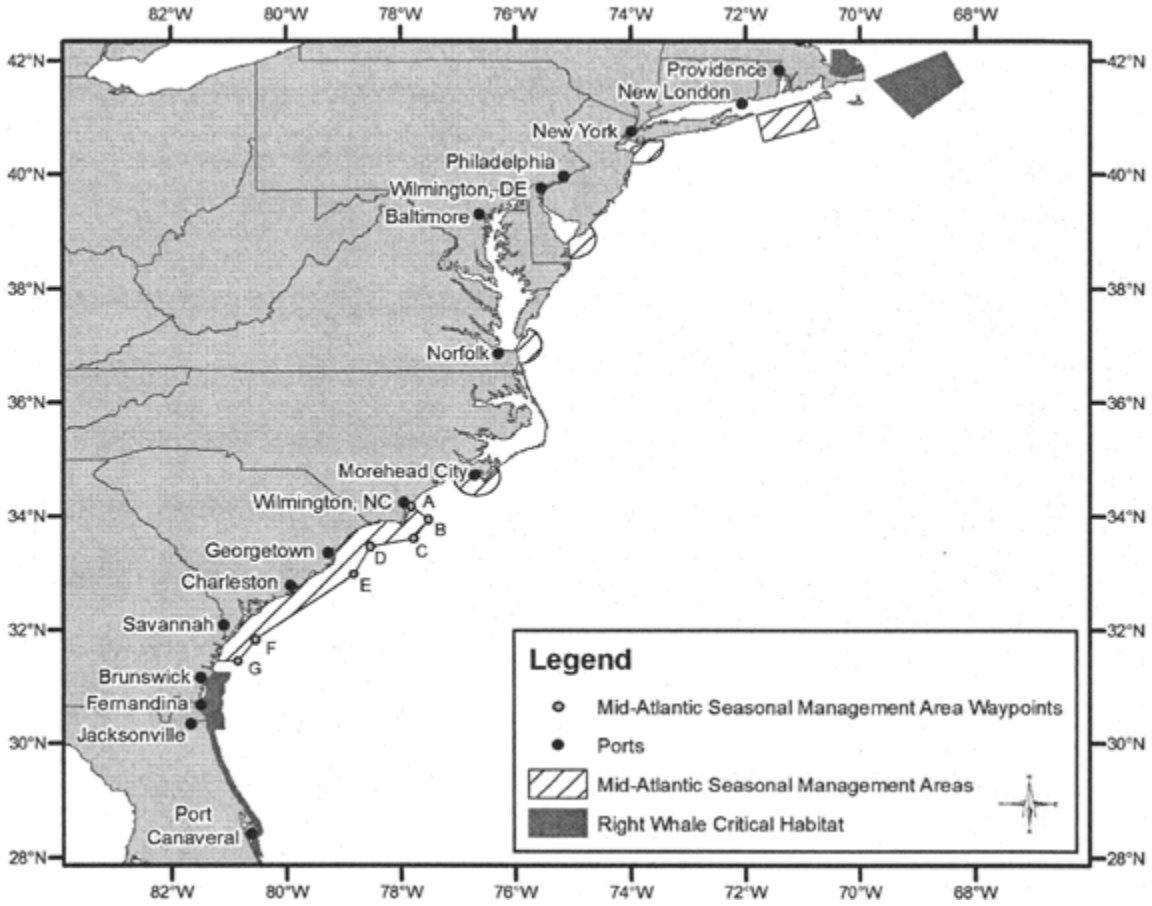
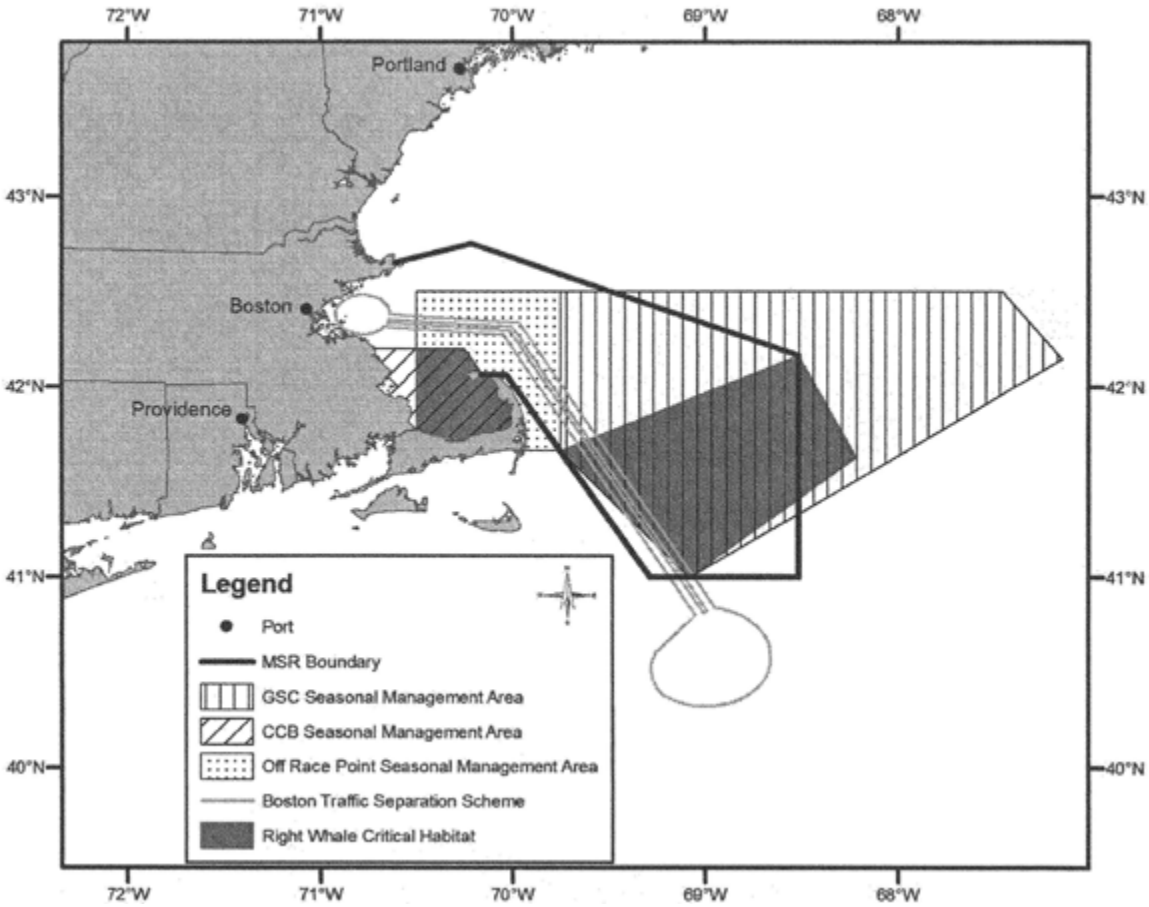
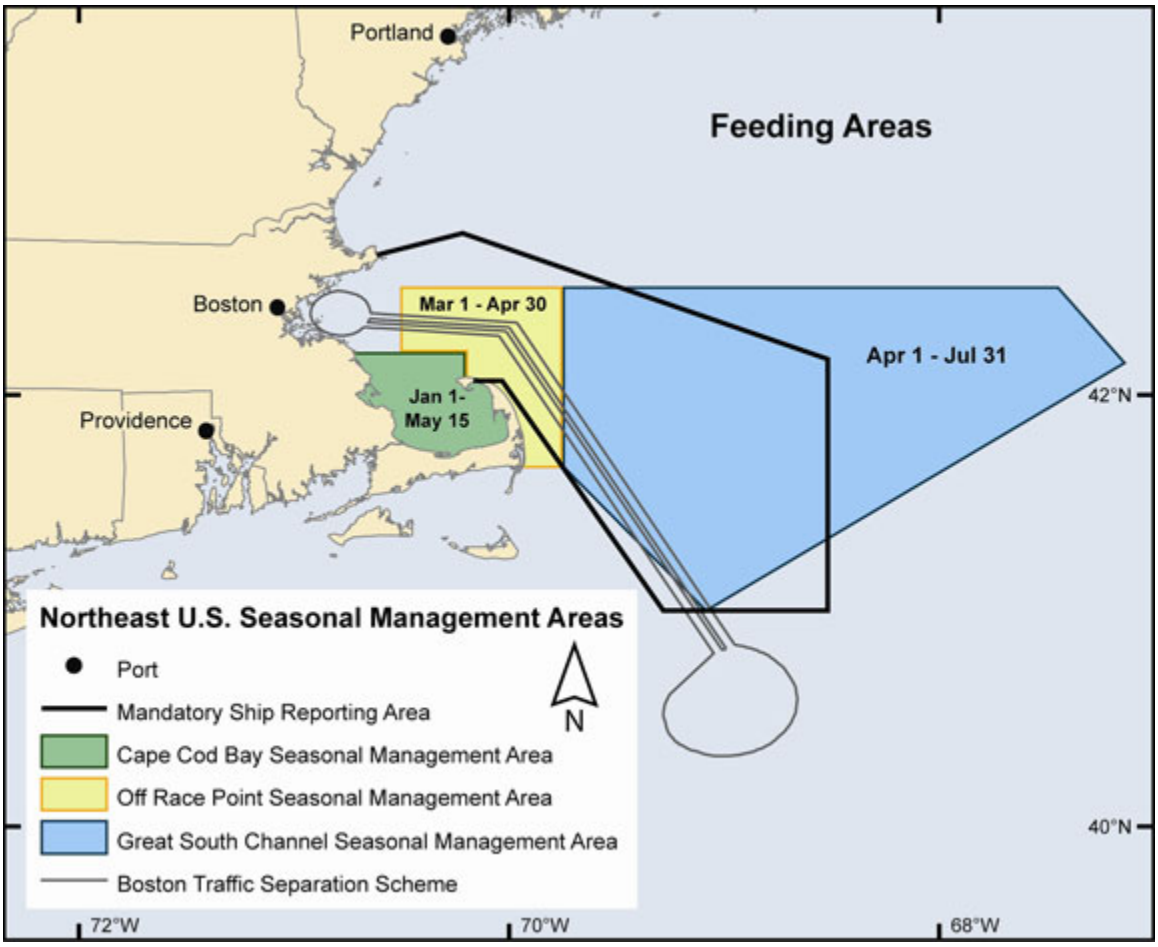


Figure 3. Northeast United States




Feeding Areas
Portland
Boston
Providence
Mar 1 - Apr 30
Jan 1-
May 15
Apr 1 - Jul 31
42°N
40°N
72°W
70°W
68°W
Northeast U.S. Seasonal Management Areas
Port
Mandatory Ship Reporting Area
Cape Cod Bay Seasonal Management Area
Off Race Point Seasonal Management Area
Great South Channel Seasonal Management Area
Boston Traffic Separation Scheme
N

New London
New York
Block Island
Philadelphia
Baltimore
40°N
Migratory Route &
Calving Grounds
November 1 through April 30
Norfolk
Morehead City
35°N
Wilmington, NC
A
B
C
D
E
Charleston
Savannah
F
G
Mid-Atlantic U.S. Seasonal Management Areas
Mid-Atlantic Seasonal Management Area Waypoints
Ports
Mid-Atlantic Seasonal Management Areas
N
80°W
75°W
70°W

New London
New York
Block Island
Philadelphia
Baltimore
40°N
Migratory Route &
Calving Grounds
November 1 through April 30
Norfolk
Morehead City
35°N
Wilmington, NC
A
B
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Charleston
Savannah
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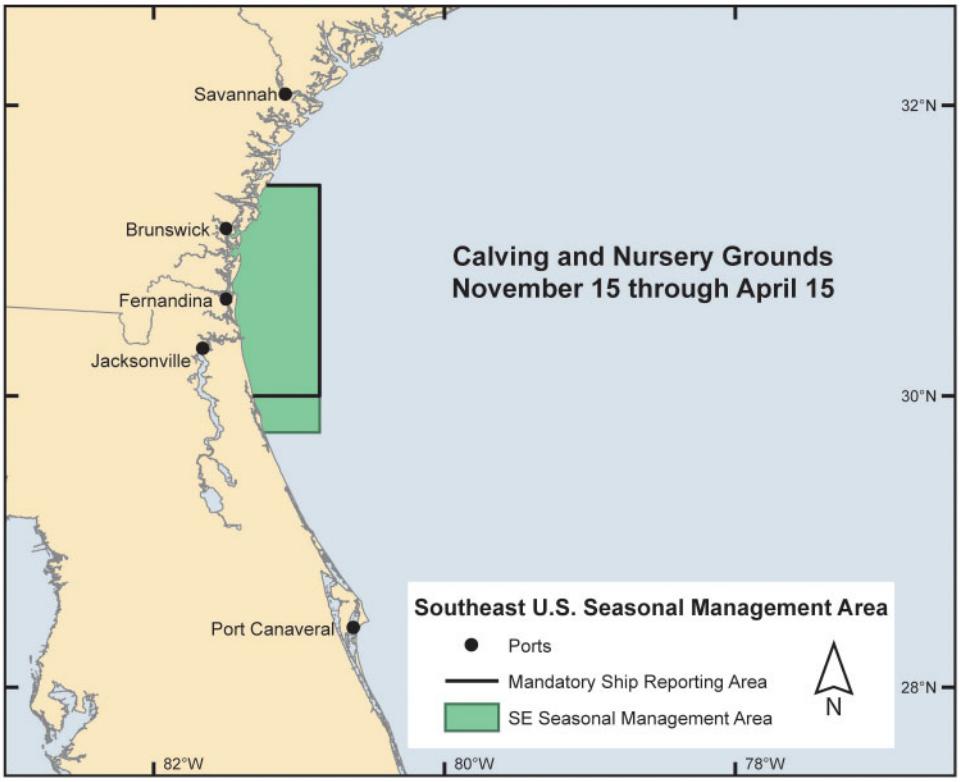
Mid-Atlantic U.S. Seasonal Management Areas
Mid-Atlantic Seasonal Management Area Waypoints
Ports
Mid-Atlantic Seasonal Management Areas
N
80°W
75°W
70°W


Savannah
Brunswick
Fernandina
Jacksonville
Port Canaveral
Calving and Nursery Grounds
November 15 through April 15
Southeast U.S. Seasonal Management Area
Ports
Mandatory Ship Reporting Area
SE Seasonal Management Area
N
32°N
30°N
28°N
82°W
80°W
78°W

Note: NGA only produces *Sailing Directions* and corrections to *Sailing Directions* in digital form. Corrective updates to *Sailing Directions* are no longer published in the *Notice to Mariners*. To download digital publication files and Publication Data Updates (PDU) files, visit the "Publications" page on the Maritime Safety Web site at http://www.nga.mil/maritime.

SAILING DIRECTIONS CORRECTIONS

PUB 120 (NGA)	**6 Ed 2008**	**NEW EDITION** 38/08	**PUB 154** (NGA)	**10 Ed 2007**	**NEW EDITION** 34/07
PUB 123 (NGA)	**10 Ed 2007**	**NEW EDITION** 36/07	**PUB 155** (NGA)	**10 Ed 2009**	**NEW EDITION** 31/09
PUB 124 (NGA)	**10 Ed 2007**	**NEW EDITION** 34/07	**PUB 157** (NGA)	**12 Ed 2008**	**NEW EDITION** 23/08
PUB 125 (NGA)	**9 Ed 2008**	**NEW EDITION** 04/08	**PUB 158** (NGA)	**11 Ed 2008**	**NEW EDITION** 29/08
PUB 126 (NGA)	**8 Ed 2008**	**NEW EDITION** 40/08	**PUB 159** (NGA)	**11 Ed 2008**	**NEW EDITION** 39/08
PUB 127 (NGA)	**9 Ed 2008**	**NEW EDITION** 38/08	**PUB 160** (NGA)	**6 Ed 2008**	**NEW EDITION** 34/08
PUB 131 (NGA)	**12 Ed 2008**	**NEW EDITION** 29/08	**PUB 161** (NGA)	**11 Ed 2008**	**NEW EDITION** 35/08
PUB 132 (NGA)	**12 Ed 2008**	**NEW EDITION** 31/08	**PUB 162** (NGA)	**7 Ed 2008**	**NEW EDITION** 17/08
PUB 140 (NGA)	**6 Ed 2008**	**NEW EDITION** 35/08	**PUB 163** (NGA)	**11 Ed 2009**	**NEW EDITION** 28/09
PUB 141 (NGA)	**11 Ed 2009**	**NEW EDITION** 31/09	**PUB 164** (NGA)	**11 Ed 2009**	**NEW EDITION** 20/09
PUB 142 (NGA)	**11 Ed 2008**	**NEW EDITION** 04/09	**PUB 171** (NGA)	**9 Ed 2008**	**NEW EDITION** 47/08
PUB 143 (NGA)	**11 Ed 2008**	**NEW EDITION** 46/08	**PUB 172** (NGA)	**14 Ed 2008**	**NEW EDITION** 37/08
PUB 145 (NGA)	**12 Ed 2009**	**NEW EDITION** 13/09	**PUB 173** (NGA)	**9 Ed 2007**	**NEW EDITION** 32/07
PUB 146 (NGA)	**11 Ed 2009**	**NEW EDITION** 20/09	**PUB 174** (NGA)	**10 Ed 2008**	**NEW EDITION** 31/08
PUB 147 (NGA)	**11 Ed 2009**	**NEW EDITION** 31/09	**PUB 175** (NGA)	**9 Ed 2008**	**NEW EDITION** 23/08
PUB 148 (NGA)	**10 Ed 2008**	**NEW EDITION** 52/08	**PUB 180** (NGA)	**6 Ed 2008**	**NEW EDITION** 40/08
PUB 153 (NGA)	**11 Ed 2007**	**NEW EDITION** 47/07	**PUB 181** (NGA)	**9 Ed 2008**	**NEW EDITION** 37/08

PUB 182	**8 Ed 2009**	**NEW EDITION**
(NGA)		19/09
PUB 183	**8 Ed 2009**	**NEW EDITION**
(NGA)		17/09
PUB 191	**14 Ed 2009**	**NEW EDITION**
(NGA)		12/09
PUB 192	**12 Ed 2009**	**NEW EDITION**
(NGA)		18/09
PUB 193	**11 Ed 2008**	**NEW EDITION**
(NGA)		44/08
PUB 194	**13 Ed 2008**	**NEW EDITION**
(NGA)		23/08
PUB 195	**10 Ed 2008**	**NEW EDITION**
(NGA)		45/08
PUB 200	**8 Ed 2009**	**NEW EDITION**
(NGA)		08/09

FLEET GUIDE CORRECTIONS

PUB 940	**4 Ed 2005**	**NEW EDITION**
(NGA)		N28/05
PUB 941	**4 Ed 2004**	**NEW EDITION**
(NGA)		N17/04

Note: For the the NGA *List of Lights* and USCG *Light List* publications, only Notice to Mariners (NTM) corrections that applied to the textual front matter are included in this Summary. For a summary of NTM corrections that applied to the navigational aids listings, consult the Notice to Mariners page on the Maritime Safety Web site at http://www.nga.mil/maritime.

CHART NO. 1 CORRECTIONS

CHART NO. 1 **10 Ed 1997** **NEW EDITION**
(NIMA) 18/98

CHART NO. 4 CORRECTIONS

CHART NO. 4 **5 Ed 1988** **NEW EDITION**
(DMAHTC) N23/91

AMERICAN PRACTICAL NAVIGATOR CORRECTIONS

PUB 9 **Ed 2002** **NEW EDITION**
(NIMA) 36/02

Page 238—Graphic; strike out.
Replace Figure 1525b with new graphic from back of this Subsection.
(NIMA) 14/03

Page 239—Lines 6 to 10/L; read:
as shown in Figure 1526.
(NIMA) 14/03

Page 243—Graphic; strike out.
Replace Figure 1528c and Figure 1528d with graphics from back of this Subsection.
(NIMA) 14/03

Page 244—Graphic; strike out.
Replace Figure 1528e and Figure 1528f with graphics from back of this Subsection.
(NIMA) 14/03

Page 274—Line 16/R; read:
amplitude angle is 10.4°S, so that the Sun's true bearing
(NIMA) 14/03

Page 287—Line 5/L; read:
Nautical Almanac Office, Rutherford Appleton Laboratory, Council for the Central Laboratory of the Research Councils.
(NIMA) 14/03

Page 291—Line 18/R; read:
almanac page xxxii to interpolate for latitude, determining
(NIMA) 14/03

Page 415—Lines 47/L to 15/R; read:

5. Discolored Water—Discolored water is an area of seawater having a color distinctly different from the surrounding water. These observations will normally be of seawater having a color other than the blues and greens typically seen. Variations of the colors – including red, yellow, green and brown, as well as black and white – have been reported. This may be due to dumping (pollution), the existence of shoals, or underwater features such as submerged volcanoes. In near-shore areas, discoloration often results from disturbance of sediment, e.g., disturbances by propeller wash. Discolorations may appear in patches, streaks, or large areas and may be caused by concentrations of inorganic or organic particles or plankton.

In normally deep waters, discolored water can be a strong indication of undersea growth of coral reefs, submerged volcanoes, seamounts, pinnacles and the like. As these features grow in size and dimension, their only indication may be in the form of discolored water on the surface of the sea. Mariners must be prudent in such waters, as they will normally be in areas that are not well surveyed and outside of established routes for oceangoing vessels.

NGA does not maintain a database of such occurrences worldwide. In areas of active submerged volcanoes, discolored water is a common occurrence and all such reports are charted or included in a Notice to Mariners correction. Mariners are urged to submit new reports of discolored water to the nearest NAVAREA Coordinator via coast radio stations (for NAVAREA IV and NAVAREA XII, by e-mail to navsafety@nga.mil). Reports can also be submitted via the NGA Maritime Safety Information Web site (http://pollux.nss.nga.mil/sugg/sugg_form.html).

The legend "discolored water" appears on many NGA charts, particularly those of the Pacific Ocean where underwater volcanic action is known to occur. In such areas, shoal water or discolored water may suddenly appear where only deep water has been historically depicted. Most of these legends remain on the charts from the last century, when very few deep sea soundings were available and less was known about the causes of discolored water. Few reports of discolored water have proved on examination to be caused by shoals. Nonetheless, due to the isolated areas normally in question, mariners should always give prudent respect to what may lie beneath the surface.

Today, such reports can be compared with the accumulated information for the area concerned. A more thorough assessment can be made using imagery if the water conditions and depth (roughly less than 100 feet) allow.

Mariners are therefore encouraged, while having due regard to the safety of their vessels, to approach sightings and areas of discolored water to find whether or not the discoloration is due to shoaling. If there is good reason to suppose the discoloration is due to shoal water, a report should be made as noted above.

Volcanic Activity. On occasion, volcanic eruptions may occur beneath the surface of the water. These submarine eruptions may occur more frequently and may be more

widespread than has been suspected in the past. Sometimes the only evidence of a submarine eruption is a noticeable discoloration of the water, a marked rise in sea surface temperature, or floating pumice. Mariners witnessing submarine volcanic activity have reported trails of steam with a foul sulfurous odor rising from the sea surface and unusual sounds heard through the hull, including shocks resembling a sudden grounding. A subsea volcanic eruption may be accompanied by rumbling and hissing, as hot lava meets the cooler sea.

In some cases, reports of discolored water at the sea surface have been investigated and found to be the result of newly-formed volcanic cones on the sea floor. These cones can grow rapidly and constitute a hazardous shoal in only a few years.

Variations in Color. The normal color of the sea in the open ocean in middle and low latitudes is an intense blue or ultramarine. The following variations in appearance occur elsewhere:

- In coastal regions and in the open sea at higher latitudes, where the minute floating animal and vegetable life of the sea (plankton) is in greater abundance, the blue of the sea is modified to shades of green and bluish-green. This discoloration results from a soluble yellow pigment discharged by the plant constituents of the plankton.
- When plankton is found in dense concentrations, the color of the organisms themselves may discolor the sea, giving it a more or less intense brown or red color. The Red Sea, Gulf of California, the region of the Peru Current, South African waters, and the Malabar Coast of India are particularly liable to this variation, seasonally.
- Plankton is sometimes exterminated suddenly by changes in sea conditions, producing a dirty brown or grayish-brown discoloration. This occurs on an unusually extensive scale at times off the Peruvian coast, where the phenomenon is called “Aguaje.”
- Larger masses of animate matter, such as fish spawn or floating kelp may produce other kinds of temporary discoloration.
- Mud carried down by rivers produces discoloration which, in the case of the great rivers, may affect a large sea area, such as the Amazon River outfall. Soil or sand particles may be carried out to sea by wind or dust storms, and volcanic dust may fall over a sea area. In all such cases, the water is more or less muddy in appearance.
- Submarine earthquakes may also produce mud or sand discoloration in relatively shallow water, and crude oil has sometimes been seen to gush up. The sea may be extensively covered with floating pumice after a volcanic eruption.
- Isolated shoals in deep water may make the water appear discolored, the color varying with the depth of the water. The play of the sun and cloud on the sea may often produce patches appearing at a distance convincingly like shoal water.

Visibility. The distance at which coral reefs can be seen is dependent upon the observer s height of eye, the state of the sea, and the relative position of the sun. When the sea is glassy calm, it is extremely difficult to distinguish the color difference between shallow and deep water. The best conditions for sighting reefs result from a relatively high position, with the sun above 20 degrees elevation and behind the observer, and a sea ruffled by a slight breeze. Under these conditions, with a height of eye of 10-15 meters it is usually possible to sight patches at a depth of less than 6-8 meters from a distance of a few hundred yards.

The use of polarized lenses is strongly recommended, as they make the variations in color of the water stand out more clearly.

If the water is clear, patches with depths of less than 1 meter will appear to be light brown in color; those with depths of 2 meters or more appear to be light green, deepening to a darker green for depths of about 6 meters, and finally to a deep blue for depths over 25 meters. Cloud shadows and shoals of fish may be quite indistinguishable from reefs, but it may be possible to identify them by their movement.

The edges of coral reefs are usually more uniform on their windward or exposed sides and are therefore more easily seen, while the leeward sides are frequently characterized by detached coral heads that are more difficult to see clearly. Water over submerged coral reefs is normally a light blue.

Due to the uncertainty of what discolored water may indicate, mariners are always urged to exercise extreme caution when in its vicinity. New reports of discolored water should be reported immediately with resulting chart, publication and radio/satellite warnings issued as appropriate.

(NGA) 40/05

Page 525—Line 21/L; read:
estimate wind speed. With the exception of Force 12, contributed by John Thomson of Ponteland, Northumberland, England, these pictures (courtesy of the
(NIMA) 14/03

Page 560—Line 4/R; read:
observer in feet; the distance in yards is taken di-
(NIMA) 14/03

Page 563—Line 19/L; read:
$C = 5/9(F - 32°) = K - 273.15°$
(NIMA) 38/03

INTERNATIONAL CODE OF SIGNALS CORRECTIONS

PUB 102	**Ed 2003**	**NEW EDITION**
(NIMA)		20/03

ATLAS OF PILOT CHARTS CORRECTIONS

PUB 106	**3 Ed 2002**	**NEW EDITION**
(NIMA)		42/03
PUB 107	**2 Ed 1998**	**NEW EDITION**
(NIMA)		30/99
PUB 109	**4 Ed 2001**	**NEW EDITION**
(NIMA)		49/02

NGA LIST OF LIGHTS CORRECTIONS

PUB 110	**Ed 2009**	**NEW EDITION**
(NGA)		29/09
PUB 111	**Ed 2008**	**NEW EDITION**
(NGA)		46/08
PUB 112	**Ed 2008**	**NEW EDITION**
(NGA)		38/08
PUB 113	**Ed 2008**	**NEW EDITION**
(NGA)		47/08
PUB 114	**Ed 2008**	**NEW EDITION**
(NGA)		25/08
PUB 115	**Ed 2008**	**NEW EDITION**
(NGA)		46/08
PUB 116	**Ed 2008**	**NEW EDITION**
(NGA)		45/08

RADIO NAVIGATIONAL AIDS CORRECTIONS

PUB 117	**Ed 2005**	**NEW EDITION**
(NGA)		04/05

WORLD PORT INDEX CORRECTIONS

PUB 150	**18 Ed 2005**	**NEW EDITION**
(NGA)		07/05

DISTANCES BETWEEN PORTS CORRECTIONS

PUB 151	**11 Ed 2001**	**NEW EDITION**
(NIMA)		04/02

SIGHT REDUCTION TABLES (MARINE) CORRECTIONS

PUB 229 VOL. 1	**Ed 1970**	**NEW EDITION**
(USNOO)		11/71
PUB 229 VOL. 2	**Ed 1970**	**NEW EDITION**
(USNOO)		11/71
PUB 229 VOL. 3	**Ed 1970**	**NEW EDITION**
(USNOO)		07/71
PUB 229 VOL. 4	**Ed 1970**	**NEW EDITION**
(USNOO)		03/71
PUB 229 VOL. 5	**Ed 1970**	**NEW EDITION**
(USNOO)		03/71
PUB 229 VOL. 6	**Ed 1970**	**NEW EDITION**
(USNOO)		23/70

SIGHT REDUCTION TABLES (AIR) CORRECTIONS

PUB 249 VOL. 1	**Ed 2007**	**NEW EDITION**
(NGA)		38/07
PUB 249 VOL. 2	**Ed 1952**	**NEW EDITION**
(USNOO)		46/52
PUB 249 VOL. 3	**Ed 1952**	**NEW EDITION**
(USNOO)		46/52

RADAR NAVIGATION AND MANEUVERING BOARD MANUAL CORRECTIONS

PUB 1310	**7 Ed 2001**	**NEW EDITION**
(NIMA)		51/01

NOS TIDE TABLES CORRECTIONS

EAST PACIFIC **Ed 2009** **NEW EDITION**
(NOS) N03/09

EUROPE/ WEST AFRICA **Ed 2009** **NEW EDITION**
(NOS) N03/09

WEST PACIFIC/ INDIAN OCEAN **Ed 2009** **NEW EDITION**
(NOS) N03/09

WEST ATLANTIC **Ed 2009** **NEW EDITION**
(NOS) N03/09

TIDAL CURRENT TABLES CORRECTIONS

ATLANTIC **Ed 2009** **NEW EDITION**
(NOS) N03/09

PACIFIC **Ed 2009** **NEW EDITION**
(NOS) N03/09

Page 33 to Page 35:
Replace with new pages from back of this Subsection.
(NOS) N22/09

Page 203; replace position with below:
No. 3416 - San Christoval Rock
POSITION
Latitude 55º33.76' Longitude 133º17.95'
(NOS) N5/09

NOS CHART CATALOG CORRECTIONS

CATALOG A **Ed 2009** **NEW EDITION**
(NOS) 27/09

CATALOG G **Ed 2009** **NEW EDITION**
(NOS) 09/09

CATALOG K **Ed 2009** **NEW EDITION**
(NOS) 31/09

CATALOG L **Ed 2009** **NEW EDITION**
(NOS) 19/09

CATALOG P **Ed 2009** **NEW EDITION**
(NOS) 17/09

USCG LIGHT LIST VOLUMES I - VII CORRECTIONS

VOLUME I **Ed 2009** **NEW EDITION**
(USCG) 12/09

VOLUME II **Ed 2009** **NEW EDITION**
(USCG) 12/09

VOLUME III **Ed 2009** **NEW EDITION**
(USCG) 12/09

VOLUME IV **Ed 2009** **NEW EDITION**
(USCG) 12/09

VOLUME V **Ed 2008** **NEW EDITION**
(USCG) 44/08

VOLUME VI **Ed 2009** **NEW EDITION**
(USCG) 12/09

VOLUME VII **Ed 2009** **NEW EDITION**
(USCG) 12/09

USCG NAVIGATION RULES CORRECTIONS

COMDTINSTM166722D **Ed 1999** **NEW EDITION**
(USCG) 44/99

Page 2—International: Part A-General, Rule 1(c) line 4; read:
of war and vessels proceeding under convoy, or with respect to addi-...
(USCG) 52/00

Page 2—International: Part A-General, Footnote 1, lines 4 to 5; read:
of the Navy with respect to additional station and signal lights are found in Part 706 of Title 32, Code of Federal Regulations (32 CFR 706).
(USCG) 52/00

Page 3—Inland: Part A-General, Footnote 1, lines 4 to 5; read:
of the Navy with respect to additional station and signal lights are found in Part 706 of Title 32, Code of Federal Regulations (32 CFR 706).
(USCG) 52/00

Page 6—International: General, Rule 3(a), line 2; read:
including nondisplacement craft, WIG craft and seaplanes, used or capable of …
(USCG) 16/04

Page 8—International: General, Rule 3, add (m); read:

(m) The term "Wing-In-Ground (WIG) craft" means a multimodal craft which, in its main operational mode, flies in close proximity to the surface by utilizing surface-effect action.

(USCG) 16/04

Page 18—International: Rule 8(a), line 1; read:

(a) Any action to avoid collision shall be taken in accordance with the Rules of this Part and shall, if the circumstances of …

(USCG) 16/04

Page 34—International: Rule 18, add (f); read:

(f)

(i) A WIG craft shall, when taking off, landing and in flight near the surface, keep well clear of all other vessels and avoid impeding their navigation;

(ii) a WIG craft operating on the water surface shall comply with the Rules of this Part as a power-driven vessel.

(USCG) 16/04

Page 46—International: Rule 23(b), line 3; read:

Rule, exhibit an all-round flashing yellow light.

(c) A WIG craft only when taking off, landing and in flight near the surface shall, in addition to the lights prescribed in paragraph (a) of this Rule, exhibit a high intensity all-round flashing red light.

(USCG) 16/04

Page 48—International: Rule 23(c) (i), line 1; read:

(d) (i) A power-driven vessel of less than 12 meters in length may …

(USCG) 16/04

Page 58—International: Rule 24(d), line 2; read:

apply shall also comply with Rule 23(a)(ii).

(USCG) 52/00

Page 112—International: Rule 31, line 1; read:

Where it is impracticable for a seaplane or a WIG craft to exhibit lights and shapes …

(USCG) 16/04

Page 114—International: Rule 33(a), lines 1 to 2; read:

(a) A vessel of 12 meters or more in length shall be provided with a whistle, a vessel of 20 meters or more in length shall be provided with a bell in addition to a whistle, and a vessel of 100 meters or more in length …

(USCG) 16/04

Page 122—International: Rule 35(h), line 5; read:

addition sound an appropriate whistle signal.

(i) A vessel of 12 meters or more but less than 20 meters in length shall not be obliged to give the bell signals prescribed in paragraphs (g) and (h) of this Rule. However, if she does not, she shall make some other efficient sound signal at intervals of not more than 2 minutes.

(USCG) 16/04

Page 122—International: Rule 35(i), line 1; read:

(j) A vessel of less than 12 meters in length shall not be obliged to …

(USCG) 16/04

Page 122—International: Rule 35(j), line 1; read:

(k) A pilotage vessel when engaged on pilotage duty may in addition to …

(USCG) 16/04

Page 137—Inland: Annex I, §84.05(d), line 3; read:

sel of less than 20 meters in length, the vessel shall exhibit one mast-...

(USCG) 52/00

Page 148—International: Annex I Section 13; read:

13. High Speed Craft*

(a) The masthead light of high-speed craft may be placed at a height related to the breadth of the craft lower than that prescribed in paragraph 2(a)(i) of this annex, provided that the base angle of the isosceles triangles formed by the sidelights and masthead light, when seen in end elevation, is not less than 27°.

(b) On high-speed craft of 50 meters or more in length, the vertical separation between foremast and mainmast light of 4.5 meters required by paragraph 29(a)(ii) of this annex may be modified provided that such distance shall not be less than the value determined by the following formula:

$$y = \frac{(a + 17\Psi)C + 2}{1000}$$

where:

- y is the height of the mainmast light above the foremast light in meters;
- a is the height of the foremast light above the water surface in service condition in meters;
- Ψ is the trim in service condition in degrees;
- C is the horizontal separation of masthead lights in meters.

* Refer to the International Code of Safety for High-Speed Craft, 1994 and the International Code of Safety for High-Speed Craft, 2000.

(USCG) 16/04

Page 150—International: Annex II, paragraph 2(a), line 2; read:

ing, whether using demersal or pelagic gear, shall exhibit:

(USCG) 52/00

Page 150—International: Annex II, paragraph 2(b), line 2; read:
trawling shall exhibit:
(USCG) 52/00

Page 152—International: Annex III Section I(a), line 5; read:
range 180-700Hz (± 1 percent) for a vessel of 20 meters or more in length, or 180-2100Hz (± 1 percent) for a vessel of less than 20 meters in length and which provide the sound pres- …
(USCG) 16/04

Page 154—International: Annex III Section I(c), line 4; read:
range of frequencies 180-700Hz (± 1 percent) for a vessel of 20 meters or more in length, or 180-2100Hz (± 1 percent) for a vessel of less than 20 meters in length, of not less than the …
(USCG) 16/04

Page 154—International: Annex III Section I(c), Table; read:

Length of vessel in meters	1/3-octave band level at 1 meter in dB referred to $2x10^{-5}$ N/m^2	Audibility range in nautical miles
200 or more	143	2
75 but less than 200	138	1.5
20 but less than 75	130	1
Less than 20	120*1 115*2 111*3	0.5

*1 When the measured frequencies lie within the range 180-450Hz
*2 When the measured frequencies lie within the range 450-800Hz
*3 When the measured frequencies lie within the range 800-2100Hz

(USCG) 16/04

Page 160—International: Annex III Section 2(b), lines 4 to 6; read:
length. Where practicable, a …
(USCG) 16/04

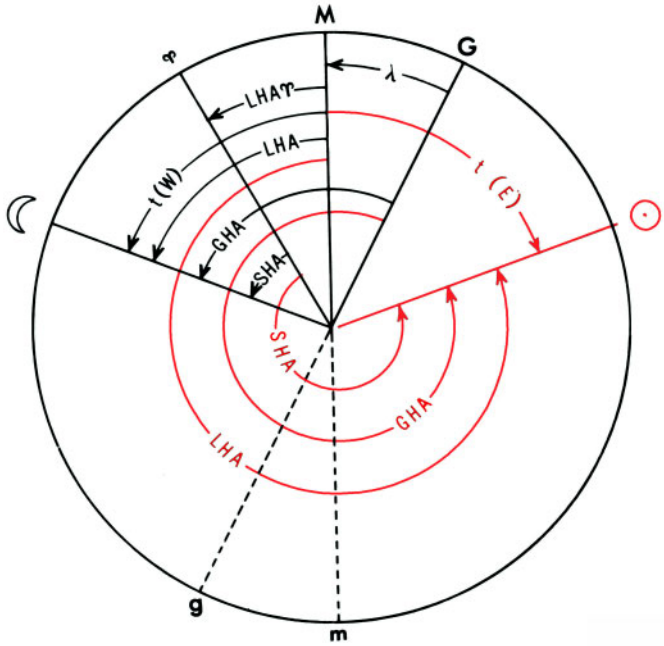
Page 207—Waters Specified by the Secretary. 33 CFR §89.27(b)(1), line 2; read:
(EHL) to the Dupont Fixed Bridge at Mile 295.4 EHL.
(USCG) 52/00

ALMANACS CORRECTIONS

AIR ALMANAC Ed 2010 NEW EDITION
(NGA) 30/09

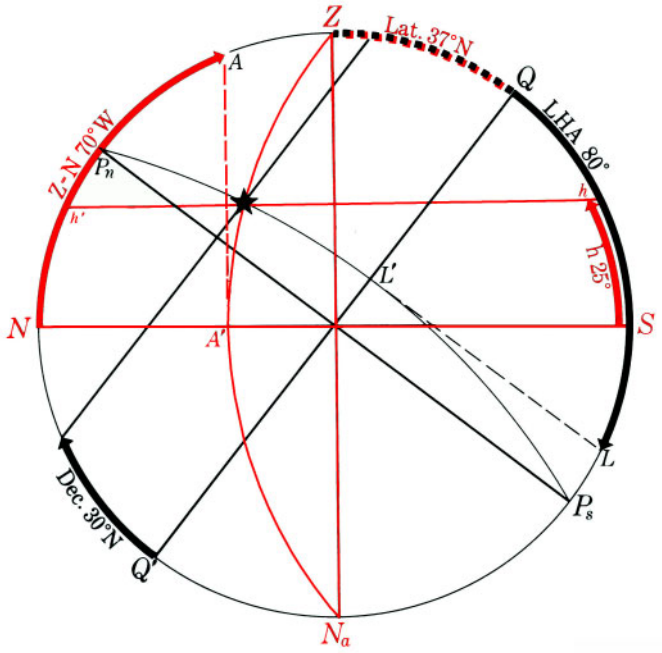
NAUTICAL ALMANAC Ed 2010 NEW EDITION
(NGA) 24/09

238



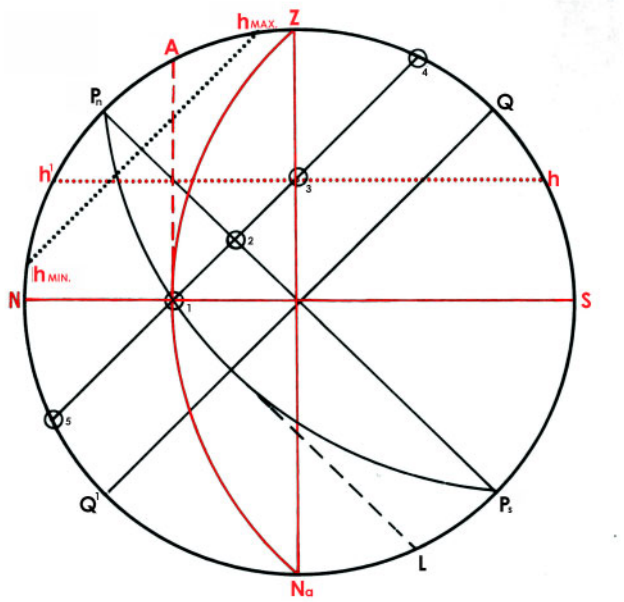
PUB 9

243



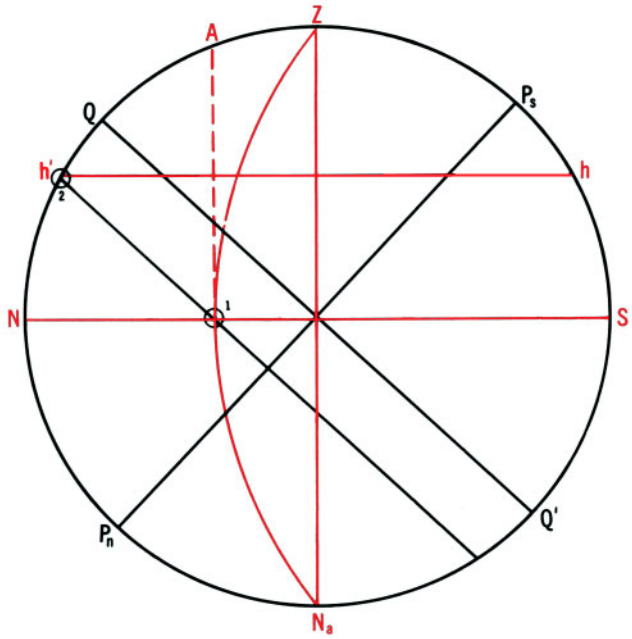
PUB 9

243



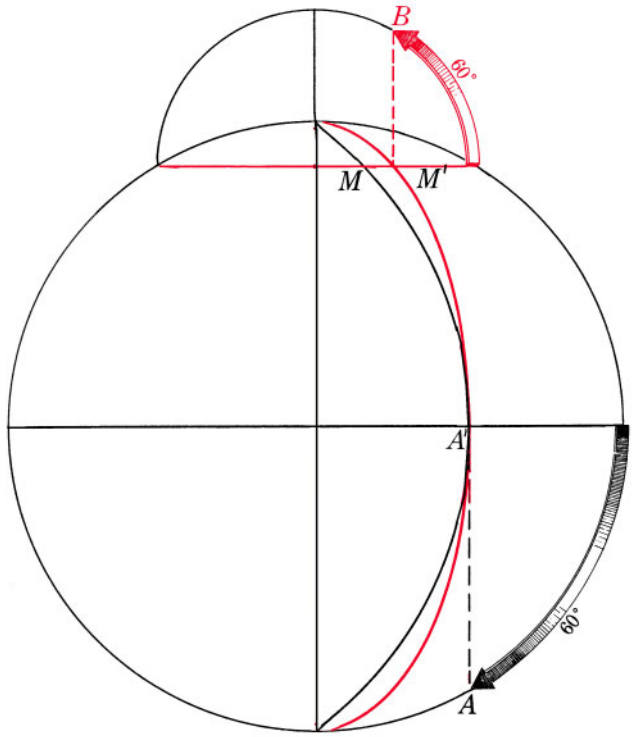
PUB 9

244



PUB 9

244



PUB 9

Humboldt Bay Entrance Channel, Calif., 2009

F–Flood, Dir. 140° True E–Ebb, Dir. 323° True

January

	Slack	Maximum	
	h m	h m	knots
1 Th	0324	0038	1.3F
	0857	0537	0.9E
	1458	1219	1.3F
	2112	1728	1.2E
2 F	0400	0101	1.3F
	0951	0616	0.9E
	1546	1304	1.2F
	2143	1812	1.1E
3 Sa	0439	0126	1.3F
	1050	0701	0.9E
	1639	1352	1.1F
	2219	1900	1.0E
4 Su ◐	0522	0159	1.3F
	1152	0752	1.0E
	1743	1450	1.1F
	2304	1955	0.8E
5 M	0610	0245	1.4F
	1256	0849	1.1E
	1858	1619	1.0F
		2105	0.7E
6 Tu	0001	0343	1.4F
	0703	0956	1.2E
	1358	1751	1.1F
	2018	2240	0.7E
7 W	0107	0448	1.4F
	0801	1101	1.3E
	1459	1903	1.2F
	2131	2356	0.8E
8 Th	0212	0555	1.5F
	0900	1200	1.4E
	1556	2003	1.4F
	2231		
9 F	0315	0055	0.9E
	0957	0705	1.6F
	1649	1253	1.5E
	2323	2055	1.5F
10 Sa ○	0412	0146	1.0E
	1051	0809	1.7F
	1740	1344	1.6E
		2142	1.6F
11 Su	0011	0234	1.1E
	0507	0905	1.7F
	1142	1431	1.6E
	1829	2226	1.6F
12 M	0057	0320	1.2E
	0602	0957	1.7F
	1232	1517	1.6E
	1915	2310	1.7F
13 Tu	0141	0406	1.2E
	0659	1047	1.7F
	1321	1602	1.5E
	1957	2353	1.6F
14 W	0226	0455	1.2E
	0757	1138	1.6F
	1410	1648	1.4E
	2036		
15 Th	0310	0034	1.6F
	0857	0546	1.1E
	1501	1231	1.5F
	2112	1736	1.2E

	Slack	Maximum	
	h m	h m	knots
16 F	0354	0114	1.5F
	0959	0639	1.1E
	1555	1327	1.3F
	2149	1828	1.0E
17 Sa ◑	0439	0152	1.4F
	1104	0731	1.1E
	1655	1431	1.1F
	2230	1928	0.8E
18 Su	0524	0229	1.4F
	1209	0823	1.0E
	1806	1549	1.0F
	2318	2053	0.7E
19 M	0610	0309	1.3F
	1311	0918	1.0E
	1930	1706	1.0F
		2221	0.6E
20 Tu	0016	0359	1.3F
	0658	1015	1.0E
	1407	1813	1.1F
	2054	2326	0.7E
21 W	0119	0455	1.3F
	0750	1108	1.1E
	1456	1912	1.2F
	2155		
22 Th	0221	0020	0.8E
	0843	0552	1.3F
	1539	1155	1.1E
	2240	2001	1.3F
23 F	0317	0108	0.9E
	0934	0648	1.4F
	1621	1238	1.2E
	2319	2044	1.4F
24 Sa	0407	0150	1.0E
	1021	0741	1.4F
	1702	1318	1.3E
	2354	2122	1.4F
25 Su ●	0452	0229	1.0E
	1106	0829	1.5F
	1741	1357	1.4E
		2156	1.5F
26 M	0027	0303	1.0E
	0534	0912	1.6F
	1149	1433	1.4E
	1819	2228	1.5F
27 Tu	0059	0331	1.0E
	0616	0953	1.6F
	1231	1508	1.4E
	1853	2256	1.4F
28 W	0129	0356	1.1E
	0658	1032	1.5F
	1312	1543	1.3E
	1925	2321	1.4F
29 Th	0200	0421	1.1E
	0741	1112	1.5F
	1354	1620	1.3E
	1954	2342	1.4F
30 F	0232	0454	1.1E
	0827	1153	1.4F
	1438	1700	1.2E
	2022		
31 Sa	0308	0006	1.4F
	0915	0534	1.1E
	1525	1235	1.3F
	2054	1743	1.0E

February

	Slack	Maximum	
	h m	h m	knots
1 Su	0348	0038	1.4F
	1009	0620	1.2E
	1620	1321	1.2F
	2134	1833	0.9E
2 M ◐	0435	0121	1.4F
	1110	0711	1.2E
	1727	1421	1.1F
	2228	1931	0.8E
3 Tu	0530	0214	1.4F
	1218	0809	1.2E
	1846	1614	1.1F
	2339	2048	0.7E
4 W	0631	0321	1.4F
	1330	0917	1.2E
	2010	1742	1.1F
		2242	0.7E
5 Th	0055	0436	1.4F
	0736	1034	1.3E
	1441	1849	1.3F
	2122	2354	0.8E
6 F	0206	0550	1.5F
	0842	1144	1.3E
	1543	1946	1.4F
	2218		
7 Sa	0311	0049	1.0E
	0943	0659	1.6F
	1636	1242	1.4E
	2306	2036	1.6F
8 Su	0409	0137	1.1E
	1039	0802	1.7F
	1723	1333	1.5E
	2349	2120	1.6F
9 M ○	0504	0222	1.2E
	1131	0857	1.7F
	1804	1420	1.5E
		2201	1.7F
10 Tu	0030	0304	1.3E
	0557	0948	1.7F
	1220	1504	1.5E
	1842	2240	1.7F
11 W	0110	0345	1.3E
	0651	1036	1.7F
	1308	1545	1.4E
	1917	2317	1.6F
12 Th	0149	0426	1.3E
	0745	1125	1.6F
	1356	1627	1.3E
	1951	2352	1.6F
13 F	0227	0506	1.3E
	0837	1215	1.4F
	1445	1711	1.1E
	2026		
14 Sa	0306	0025	1.5F
	0929	0547	1.2E
	1537	1308	1.3F
	2105	1801	0.9E
15 Su	0346	0057	1.4F
	1021	0628	1.1E
	1637	1408	1.1F
	2152	1904	0.7E

	Slack	Maximum	
	h m	h m	knots
16 M ◑	0430	0132	1.3F
	1113	0710	1.1E
	1751	1524	1.0F
	2251	2043	0.6E
17 Tu	0517	0217	1.2F
	1209	0757	1.0E
	1919	1643	1.0F
	2359	2209	0.6E
18 W	0611	0315	1.2F
	1308	0858	1.0E
	2041	1749	1.1F
		2313	0.7E
19 Th	0108	0422	1.2F
	0710	1017	1.0E
	1409	1845	1.2F
	2137		
20 F	0209	0005	0.8E
	0810	0525	1.3F
	1505	1124	1.0E
	2217	1933	1.3F
21 Sa	0303	0050	0.9E
	0907	0623	1.3F
	1552	1214	1.1E
	2251	2014	1.3F
22 Su	0350	0129	1.0E
	0959	0717	1.4F
	1632	1257	1.2E
	2321	2050	1.4F
23 M	0433	0204	1.1E
	1046	0807	1.5F
	1707	1335	1.3E
	2348	2121	1.4F
24 Tu ●	0515	0233	1.1E
	1130	0852	1.6F
	1739	1410	1.3E
		2147	1.5F
25 W	0016	0256	1.2E
	0555	0934	1.6F
	1212	1444	1.3E
	1808	2209	1.5F
26 Th	0044	0318	1.2E
	0636	1013	1.5F
	1254	1518	1.3E
	1837	2229	1.5F
27 F	0115	0346	1.3E
	0717	1052	1.5F
	1337	1555	1.2E
	1906	2252	1.5F
28 Sa	0148	0421	1.3E
	0759	1132	1.4F
	1422	1635	1.1E
	1939	2324	1.5F

March

	Slack	Maximum	
	h m	h m	knots
1 Su	0226	0501	1.3E
	0845	1216	1.3F
	1512	1720	1.0E
	2017		
2 M	0309	0006	1.4F
	0937	0548	1.3E
	1611	1308	1.2F
	2106	1814	0.8E
3 Tu ◐	0400	0057	1.4F
	1039	0641	1.3E
	1722	1427	1.1F
	2212	1919	0.7E
4 W	0500	0158	1.4F
	1152	0741	1.2E
	1842	1611	1.1F
	2333	2055	0.6E
5 Th	0607	0310	1.4F
	1310	0851	1.2E
	2001	1726	1.2F
		2242	0.7E
6 F	0052	0430	1.4F
	0717	1015	1.2E
	1423	1828	1.4F
	2106	2345	0.9E
7 Sa	0204	0543	1.5F
	0826	1130	1.3E
	1522	1921	1.5F
	2157		
8 Su	0308	0036	1.1E
	0929	0651	1.6F
	1610	1229	1.4E
	2241	2009	1.6F
9 M	0406	0122	1.2E
	1027	0753	1.6F
	1650	1320	1.4E
	2321	2051	1.7F
10 Tu ○	0500	0204	1.3E
	1119	0848	1.7F
	1725	1405	1.4E
	2358	2130	1.7F
11 W	0551	0243	1.4E
	1208	0938	1.7F
	1759	1447	1.3E
		2205	1.7F
12 Th	0034	0319	1.4E
	0640	1026	1.6F
	1256	1527	1.3E
	1832	2237	1.6F
13 F	0110	0353	1.4E
	0727	1113	1.5F
	1343	1607	1.1E
	1908	2308	1.6F
14 Sa	0145	0426	1.4E
	0811	1201	1.4F
	1431	1650	1.0E
	1947	2338	1.5F
15 Su	0222	0500	1.3E
	0852	1250	1.3F
	1523	1740	0.8E
	2033		

	Slack	Maximum	
	h m	h m	knots
16 M	0300	0013	1.4F
	0934	0537	1.2E
	1624	1346	1.2F
	2128	1858	0.7E
17 Tu	0343	0054	1.3F
	1020	0619	1.1E
	1739	1455	1.1F
	2234	2036	0.6E
18 W ◑	0432	0145	1.2F
	1116	0707	1.0E
	1904	1611	1.1F
	2346	2153	0.6E
19 Th	0529	0244	1.2F
	1221	0803	1.0E
	2017	1716	1.1F
		2253	0.7E
20 F	0052	0352	1.2F
	0632	0919	0.9E
	1327	1809	1.2F
	2107	2343	0.8E
21 Sa	0152	0457	1.2F
	0736	1048	1.0E
	1425	1854	1.3F
	2143		
22 Su	0244	0025	0.9E
	0838	0556	1.3F
	1512	1146	1.1E
	2211	1933	1.3F
23 M	0331	0102	1.0E
	0934	0652	1.4F
	1549	1230	1.1E
	2237	2006	1.4F
24 Tu	0414	0132	1.1E
	1024	0745	1.4F
	1621	1308	1.2E
	2303	2034	1.4F
25 W	0455	0157	1.2E
	1110	0834	1.5F
	1651	1344	1.2E
	2331	2056	1.5F
26 Th ●	0534	0219	1.3E
	1155	0917	1.5F
	1721	1419	1.2E
		2118	1.5F
27 F	0002	0244	1.4E
	0614	0959	1.5F
	1238	1455	1.2E
	1752	2143	1.5F
28 Sa	0036	0316	1.4E
	0654	1039	1.5F
	1323	1534	1.1E
	1827	2216	1.5F
29 Su	0113	0353	1.5E
	0736	1123	1.4F
	1411	1616	1.0E
	1907	2257	1.5F
30 M	0155	0436	1.5E
	0823	1214	1.3F
	1504	1705	0.9E
	1955	2347	1.5F
31 Tu	0242	0524	1.4E
	0917	1318	1.3F
	1606	1804	0.8E
	2054		

Time meridian 120° W. 0000 is midnight. 1200 is noon. Times are not adjusted for Daylight Saving Time.

Humboldt Bay Entrance Channel, Calif., 2009

F–Flood, Dir. 140° True E–Ebb, Dir. 323° True

April

	Slack	Maximum	
	h m	h m	knots
1 W	0337	0045	1.4F
	1022	0619	1.3E
	1718	1436	1.2F
	2208	1921	0.7E
2 Th ◐	0439	0149	1.4F
	1136	0721	1.3E
	1834	1555	1.3F
	2331	2108	0.7E
3 F	0547	0302	1.4F
	1250	0832	1.2E
	1943	1702	1.3F
		2229	0.8E
4 Sa	0049	0421	1.4F
	0658	0958	1.2E
	1354	1759	1.4F
	2041	2328	1.0E
5 Su	0201	0534	1.4F
	0808	1114	1.2E
	1446	1849	1.5F
	2128		
6 M	0305	0017	1.2E
	0915	0641	1.5F
	1529	1212	1.2E
	2209	1935	1.6F
7 Tu	0403	0100	1.3E
	1015	0743	1.5F
	1606	1302	1.2E
	2247	2016	1.6F
8 W	0455	0140	1.4E
	1108	0839	1.6F
	1640	1347	1.2E
	2323	2053	1.6F
9 Th ○	0542	0216	1.4E
	1158	0930	1.6F
	1715	1429	1.2E
	2358	2127	1.6F
10 F	0625	0250	1.5E
	1245	1016	1.5F
	1752	1510	1.1E
		2158	1.6F
11 Sa	0033	0320	1.5E
	0704	1101	1.5F
	1331	1551	1.0E
	1833	2228	1.5F
12 Su	0108	0351	1.4E
	0740	1146	1.4F
	1419	1635	0.9E
	1919	2302	1.5F
13 M	0145	0424	1.3E
	0817	1233	1.3F
	1510	1730	0.8E
	2011	2342	1.4F
14 Tu	0224	0501	1.3E
	0857	1325	1.2F
	1609	1853	0.6E
	2110		
15 W	0307	0028	1.3F
	0944	0544	1.2E
	1719	1424	1.2F
	2216	2016	0.6E

	Slack	Maximum	
	h m	h m	knots
16 Th	0356	0120	1.2F
	1041	0633	1.1E
	1834	1531	1.1F
	2323	2126	0.6E
17 F ◑	0453	0216	1.2F
	1145	0728	1.0E
	1936	1632	1.2F
		2225	0.7E
18 Sa	0027	0319	1.2F
	0555	0832	1.0E
	1245	1722	1.2F
	2019	2313	0.8E
19 Su	0126	0424	1.2F
	0700	0953	0.9E
	1336	1802	1.2F
	2051	2354	0.9E
20 M	0220	0526	1.2F
	0805	1106	1.0E
	1419	1836	1.3F
	2118		
21 Tu	0309	0026	1.0E
	0907	0626	1.3F
	1455	1155	1.0E
	2146	1904	1.3F
22 W	0353	0053	1.2E
	1002	0724	1.4F
	1529	1237	1.0E
	2217	1929	1.4F
23 Th	0434	0116	1.3E
	1052	0818	1.4F
	1603	1316	1.1E
	2250	1956	1.5F
24 F ●	0513	0142	1.4E
	1139	0905	1.5F
	1639	1356	1.1E
	2326	2031	1.5F
25 Sa	0553	0214	1.5E
	1225	0950	1.5F
	1718	1436	1.1E
		2110	1.6F
26 Su	0005	0251	1.5E
	0634	1035	1.5F
	1312	1518	1.0E
	1801	2154	1.6F
27 M	0048	0332	1.6E
	0720	1123	1.4F
	1402	1604	1.0E
	1849	2243	1.6F
28 Tu	0134	0417	1.5E
	0811	1219	1.4F
	1458	1657	0.9E
	1945	2337	1.5F
29 W	0225	0507	1.5E
	0908	1319	1.4F
	1559	1802	0.8E
	2051		
30 Th	0320	0037	1.5F
	1012	0603	1.4E
	1707	1424	1.4F
	2206	1926	0.8E

May

	Slack	Maximum	
	h m	h m	knots
1 F ◐	0421	0140	1.4F
	1118	0705	1.3E
	1814	1529	1.4F
	2325	2055	0.8E
2 Sa	0528	0251	1.4F
	1220	0815	1.2E
	1914	1630	1.4F
		2206	0.9E
3 Su	0043	0408	1.3F
	0638	0937	1.1E
	1313	1722	1.5F
	2005	2303	1.1E
4 M	0155	0522	1.4F
	0750	1053	1.1E
	1359	1810	1.5F
	2051	2352	1.2E
5 Tu	0301	0631	1.4F
	0901	1152	1.1E
	1441	1854	1.5F
	2132		
6 W	0358	0034	1.3E
	1004	0734	1.4F
	1520	1243	1.1E
	2211	1935	1.6F
7 Th	0446	0113	1.4E
	1100	0831	1.5F
	1559	1330	1.0E
	2247	2014	1.6F
8 F ○	0528	0147	1.4E
	1149	0920	1.5F
	1640	1414	1.0E
	2324	2050	1.6F
9 Sa	0604	0219	1.5E
	1235	1005	1.5F
	1723	1457	1.0E
		2124	1.5F
10 Su	0000	0250	1.5E
	0637	1048	1.5F
	1319	1539	1.0E
	1810	2159	1.5F
11 M	0037	0322	1.4E
	0712	1130	1.4F
	1404	1625	0.9E
	1900	2237	1.5F
12 Tu	0116	0356	1.4E
	0750	1214	1.4F
	1453	1719	0.8E
	1953	2320	1.4F
13 W	0157	0434	1.3E
	0833	1300	1.3F
	1546	1829	0.7E
	2049		
14 Th	0241	0006	1.3F
	0922	0518	1.2E
	1645	1349	1.2F
	2148	1941	0.6E
15 F	0328	0055	1.3F
	1014	0605	1.2E
	1742	1441	1.2F
	2250	2046	0.6E

	Slack	Maximum	
	h m	h m	knots
16 Sa ◑	0421	0147	1.2F
	1107	0657	1.1E
	1831	1531	1.2F
	2353	2143	0.7E
17 Su	0520	0243	1.2F
	1155	0751	1.0E
	1909	1615	1.2F
		2231	0.8E
18 M	0053	0347	1.1F
	0624	0853	0.9E
	1239	1648	1.2F
	1943	2309	0.9E
19 Tu	0150	0454	1.1F
	0731	1007	0.8E
	1319	1714	1.3F
	2017	2339	1.0E
20 W	0242	0601	1.2F
	0839	1114	0.8E
	1359	1741	1.4F
	2054		
21 Th	0329	0005	1.2E
	0941	0707	1.2F
	1441	1206	0.9E
	2133	1819	1.4F
22 F	0412	0035	1.3E
	1036	0806	1.3F
	1524	1253	0.9E
	2215	1907	1.5F
23 Sa	0453	0110	1.4E
	1125	0857	1.4F
	1610	1339	1.0E
	2259	2000	1.6F
24 Su ●	0535	0150	1.5E
	1213	0944	1.5F
	1657	1424	1.0E
	2344	2053	1.6F
25 M	0621	0232	1.6E
	1302	1030	1.5F
	1747	1510	1.0E
		2144	1.6F
26 Tu	0031	0316	1.6E
	0711	1119	1.5F
	1352	1558	1.0E
	1841	2236	1.6F
27 W	0120	0403	1.6E
	0804	1211	1.5F
	1446	1652	1.0E
	1941	2330	1.6F
28 Th	0211	0453	1.5E
	0859	1305	1.5F
	1543	1758	0.9E
	2046		
29 F	0306	0028	1.5F
	0955	0548	1.4E
	1642	1359	1.5F
	2158	1912	0.9E
30 Sa ◐	0404	0129	1.4F
	1049	0648	1.3E
	1740	1454	1.5F
	2315	2026	0.9E
31 Su	0508	0237	1.3F
	1139	0754	1.1E
	1833	1548	1.5F
		2133	1.0E

June

	Slack	Maximum	
	h m	h m	knots
1 M	0032	0354	1.3F
	0618	0911	1.0E
	1225	1639	1.5F
	1922	2231	1.1E
2 Tu	0146	0510	1.2F
	0733	1030	0.9E
	1309	1725	1.5F
	2008	2321	1.2E
3 W	0253	0621	1.3F
	0850	1133	0.9E
	1354	1809	1.5F
	2052		
4 Th	0349	0004	1.3E
	0958	0725	1.3F
	1441	1227	0.9E
	2134	1852	1.5F
5 F	0433	0042	1.3E
	1053	0821	1.4F
	1529	1316	0.9E
	2215	1935	1.5F
6 Sa	0507	0118	1.4E
	1139	0909	1.4F
	1617	1402	0.9E
	2254	2017	1.5F
7 Su ○	0539	0151	1.4E
	1221	0951	1.4F
	1706	1446	1.0E
	2334	2058	1.5F
8 M	0612	0224	1.4E
	1303	1031	1.5F
	1754	1528	1.0E
		2137	1.5F
9 Tu	0013	0259	1.4E
	0649	1110	1.4F
	1345	1611	0.9E
	1843	2217	1.5F
10 W	0054	0335	1.4E
	0730	1150	1.4F
	1428	1656	0.9E
	1932	2259	1.5F
11 Th	0135	0413	1.4E
	0814	1229	1.4F
	1512	1746	0.8E
	2022	2343	1.4F
12 F	0219	0455	1.3E
	0858	1308	1.3F
	1557	1840	0.7E
	2115		
13 Sa	0304	0029	1.3F
	0940	0539	1.2E
	1639	1343	1.3F
	2211	1930	0.7E
14 Su	0353	0116	1.2F
	1020	0625	1.1E
	1719	1412	1.2F
	2312	2011	0.7E
15 M ◑	0448	0207	1.2F
	1058	0713	1.0E
	1757	1439	1.2F
		2049	0.8E

	Slack	Maximum	
	h m	h m	knots
16 Tu	0013	0306	1.1F
	0549	0806	0.8E
	1136	1513	1.3F
	1836	2135	0.9E
17 W	0113	0419	1.0F
	0658	0909	0.7E
	1219	1556	1.3F
	1919	2224	1.1E
18 Th	0209	0540	1.1F
	0812	1031	0.7E
	1309	1646	1.4F
	2007	2311	1.2E
19 F	0301	0653	1.2F
	0922	1143	0.8E
	1404	1741	1.4F
	2058	2358	1.3E
20 Sa	0349	0755	1.3F
	1021	1239	0.8E
	1459	1841	1.5F
	2149		
21 Su	0435	0044	1.4E
	1112	0847	1.4F
	1554	1329	0.9E
	2239	1946	1.6F
22 M ●	0523	0131	1.5E
	1201	0934	1.5F
	1647	1417	1.0E
	2329	2044	1.6F
23 Tu	0612	0217	1.6E
	1248	1020	1.6F
	1741	1504	1.1E
		2138	1.7F
24 W	0019	0304	1.6E
	0702	1105	1.6F
	1337	1552	1.1E
	1837	2229	1.7F
25 Th	0108	0351	1.6E
	0752	1152	1.6F
	1426	1643	1.1E
	1936	2322	1.6F
26 F	0159	0440	1.5E
	0840	1239	1.6F
	1516	1740	1.1E
	2039		
27 Sa	0251	0017	1.5F
	0926	0532	1.4E
	1606	1326	1.5F
	2147	1843	1.0E
28 Su	0348	0116	1.4F
	1010	0628	1.2E
	1657	1412	1.5F
	2259	1946	1.1E
29 M ◐	0450	0221	1.3F
	1053	0729	1.0E
	1746	1459	1.5F
		2047	1.1E
30 Tu	0014	0339	1.2F
	0600	0843	0.9E
	1137	1547	1.4F
	1834	2148	1.1E

Time meridian 120° W. 0000 is midnight. 1200 is noon. Times are not adjusted for Daylight Saving Time.

Humboldt Bay Entrance Channel, Calif., 2009

F–Flood, Dir. 140° True E–Ebb, Dir. 323° True

July

	Slack	Maximum	
	h m	h m	knots
1 W	0128	0459	1.1F
	0720	1010	0.7E
	1225	1635	1.4F
	1922	2242	1.1E
2 Th	0236	0610	1.2F
	0843	1118	0.7E
	1319	1722	1.4F
	2010	2329	1.2E
3 F	0331	0713	1.2F
	0952	1214	0.8E
	1415	1811	1.4F
	2059		
4 Sa		0010	1.2E
	0409	0807	1.3F
	1042	1304	0.9E
	1511	1902	1.4F
	2145		
5 Su		0049	1.3E
	0440	0852	1.4F
	1124	1350	0.9E
	1604	1951	1.5F
	2229		
6 M		0127	1.3E
	0513	0932	1.4F
	1203	1432	1.0E
	1653	2036	1.5F
	2312		
7 Tu ○		0203	1.4E
	0548	1008	1.5F
	1240	1512	1.0E
	1739	2118	1.5F
	2353		
8 W		0240	1.4E
	0627	1044	1.5F
	1317	1549	1.0E
	1824	2158	1.5F
9 Th	0035	0316	1.4E
	0708	1118	1.5F
	1354	1623	1.0E
	1909	2238	1.5F
10 F	0116	0353	1.4E
	0747	1150	1.4F
	1429	1654	0.9E
	1954	2320	1.5F
11 Sa	0159	0431	1.3E
	0823	1218	1.4F
	1504	1724	0.9E
	2042		
12 Su		0003	1.4F
	0243	0511	1.2E
	0857	1243	1.3F
	1538	1758	0.9E
	2132		
13 M		0047	1.3F
	0329	0553	1.1E
	0927	1307	1.3F
	1614	1838	1.0E
	2227		
14 Tu		0132	1.2F
	0421	0639	0.9E
	0959	1338	1.3F
	1654	1923	1.0E
	2326		
15 W ◑		0224	1.1F
	0521	0729	0.8E
	1037	1419	1.3F
	1740	2015	1.1E

	Slack	Maximum	
	h m	h m	knots
16 Th	0028	0343	1.0F
	0632	0830	0.7E
	1130	1512	1.3F
	1832	2116	1.1E
17 F	0130	0525	1.0F
	0752	1001	0.6E
	1235	1615	1.4F
	1930	2225	1.2E
18 Sa	0231	0639	1.1F
	0906	1132	0.7E
	1344	1723	1.4F
	2030	2329	1.3E
19 Su	0328	0740	1.3F
	1007	1232	0.9E
	1448	1831	1.5F
	2129		
20 M		0025	1.4E
	0421	0832	1.4F
	1058	1323	1.0E
	1547	1938	1.6F
	2225		
21 Tu ●		0117	1.5E
	0511	0917	1.5F
	1144	1410	1.1E
	1642	2038	1.7F
	2317		
22 W		0206	1.6E
	0558	1001	1.6F
	1229	1455	1.2E
	1736	2131	1.7F
23 Th	0007	0253	1.6E
	0644	1043	1.7F
	1313	1539	1.2E
	1832	2221	1.7F
24 F	0057	0338	1.5E
	0727	1124	1.7F
	1357	1625	1.2E
	1929	2312	1.6F
25 Sa	0147	0424	1.4E
	0808	1206	1.6F
	1440	1713	1.2E
	2029		
26 Su		0006	1.5F
	0238	0512	1.3E
	0847	1246	1.6F
	1524	1804	1.2E
	2130		
27 M		0103	1.4F
	0333	0605	1.1E
	0926	1326	1.5F
	1609	1856	1.1E
	2235		
28 Tu ◐		0207	1.2F
	0434	0704	0.9E
	1007	1406	1.4F
	1656	1948	1.1E
	2342		
29 W		0324	1.1F
	0546	0824	0.7E
	1056	1449	1.3F
	1744	2044	1.1E
30 Th	0051	0444	1.1F
	0711	0957	0.6E
	1154	1542	1.3F
	1835	2146	1.0E
31 F	0156	0554	1.1F
	0837	1106	0.7E
	1259	1641	1.3F
	1929	2247	1.0E

August

	Slack	Maximum	
	h m	h m	knots
1 Sa	0251	0654	1.2F
	0940	1202	0.8E
	1402	1739	1.3F
	2025	2338	1.1E
2 Su	0332	0745	1.3F
	1025	1250	0.9E
	1501	1834	1.4F
	2118		
3 M		0024	1.2E
	0408	0828	1.3F
	1102	1334	1.0E
	1552	1927	1.4F
	2206		
4 Tu		0105	1.3E
	0445	0905	1.4F
	1137	1413	1.0E
	1638	2014	1.5F
	2251		
5 W ○		0144	1.3E
	0522	0939	1.5F
	1210	1449	1.1E
	1721	2058	1.6F
	2334		
6 Th		0221	1.4E
	0559	1010	1.5F
	1241	1520	1.1E
	1803	2139	1.6F
7 F	0016	0256	1.4E
	0635	1038	1.5F
	1312	1546	1.1E
	1845	2218	1.5F
8 Sa	0058	0331	1.3E
	0708	1103	1.5F
	1342	1609	1.1E
	1928	2258	1.5F
9 Su	0140	0406	1.2E
	0738	1125	1.4F
	1412	1638	1.1E
	2011	2338	1.4F
10 M	0224	0443	1.1E
	0807	1148	1.4F
	1445	1712	1.2E
	2056		
11 Tu		0019	1.3F
	0310	0523	1.0E
	0835	1218	1.4F
	1522	1754	1.2E
	2144		
12 W		0101	1.2F
	0401	0609	0.9E
	0908	1257	1.3F
	1605	1841	1.2E
	2239		
13 Th ◑		0150	1.1F
	0503	0702	0.7E
	0954	1346	1.3F
	1657	1935	1.2E
	2343		
14 F		0327	1.0F
	0617	0807	0.6E
	1102	1447	1.3F
	1757	2037	1.2E
15 Sa	0053	0512	1.1F
	0737	0959	0.6E
	1222	1600	1.4F
	1902	2151	1.2E

	Slack	Maximum	
	h m	h m	knots
16 Su	0204	0621	1.2F
	0851	1127	0.7E
	1336	1714	1.4F
	2009	2308	1.3E
17 M	0309	0718	1.3F
	0950	1223	0.9E
	1443	1825	1.5F
	2113		
18 Tu		0011	1.4E
	0403	0809	1.5F
	1038	1312	1.1E
	1543	1931	1.6F
	2211		
19 W		0106	1.5E
	0450	0853	1.6F
	1122	1357	1.2E
	1638	2030	1.7F
	2305		
20 Th ●		0155	1.5E
	0533	0935	1.7F
	1203	1439	1.3E
	1732	2123	1.7F
	2356		
21 F		0240	1.5E
	0613	1013	1.7F
	1243	1520	1.4E
	1826	2213	1.7F
22 Sa	0046	0324	1.4E
	0651	1051	1.7F
	1323	1600	1.4E
	1920	2304	1.6F
23 Su	0136	0407	1.3E
	0728	1128	1.6F
	1402	1641	1.3E
	2014	2356	1.5F
24 M	0227	0452	1.1E
	0805	1203	1.6F
	1442	1722	1.3E
	2108		
25 Tu		0051	1.4F
	0321	0542	1.0E
	0845	1239	1.5F
	1523	1804	1.2E
	2201		
26 W		0152	1.2F
	0422	0646	0.8E
	0931	1318	1.4F
	1607	1848	1.1E
	2256		
27 Th ◐		0305	1.1F
	0535	0818	0.6E
	1028	1402	1.3F
	1656	1936	1.0E
	2353		
28 F		0422	1.1F
	0701	0945	0.6E
	1137	1459	1.2F
	1750	2033	1.0E
29 Sa	0053	0529	1.1F
	0821	1052	0.7E
	1247	1606	1.2F
	1849	2151	0.9E
30 Su	0152	0625	1.2F
	0917	1145	0.8E
	1351	1710	1.2F
	1950	2304	1.0E
31 M	0244	0713	1.3F
	0959	1231	0.9E
	1447	1807	1.3F
	2048	2358	1.1E

September

	Slack	Maximum	
	h m	h m	knots
1 Tu	0330	0755	1.3F
	1033	1312	1.0E
	1536	1901	1.4F
	2141		
2 W		0043	1.2E
	0410	0831	1.4F
	1103	1349	1.1E
	1620	1951	1.5F
	2229		
3 Th		0122	1.3E
	0446	0902	1.5F
	1132	1420	1.2E
	1702	2038	1.5F
	2315		
4 F ○		0159	1.3E
	0520	0929	1.5F
	1159	1445	1.2E
	1742	2120	1.6F
	2358		
5 Sa		0233	1.3E
	0552	0952	1.5F
	1227	1507	1.3E
	1822	2201	1.5F
6 Su	0041	0306	1.2E
	0621	1012	1.5F
	1256	1532	1.3E
	1902	2240	1.5F
7 M	0124	0340	1.2E
	0650	1035	1.5F
	1327	1602	1.3E
	1943	2319	1.4F
8 Tu	0208	0417	1.1E
	0720	1104	1.4F
	1402	1639	1.3E
	2025		
9 W		0000	1.3F
	0255	0459	0.9E
	0753	1142	1.4F
	1443	1722	1.3E
	2111		
10 Th		0045	1.2F
	0348	0547	0.8E
	0836	1230	1.4F
	1530	1811	1.3E
	2205		
11 F ◑		0146	1.1F
	0453	0645	0.7E
	0934	1327	1.3F
	1626	1907	1.2E
	2312		
12 Sa		0330	1.1F
	0608	0802	0.6E
	1054	1433	1.3F
	1731	2011	1.2E
13 Su	0027	0453	1.2F
	0724	1004	0.7E
	1218	1550	1.4F
	1840	2128	1.2E
14 M	0140	0555	1.3F
	0832	1116	0.8E
	1332	1707	1.4F
	1950	2251	1.2E
15 Tu	0243	0650	1.4F
	0926	1209	1.0E
	1439	1816	1.5F
	2057	2357	1.3E

	Slack	Maximum	
	h m	h m	knots
16 W	0334	0739	1.5F
	1012	1255	1.2E
	1539	1922	1.6F
	2158		
17 Th		0052	1.4E
	0417	0823	1.6F
	1053	1338	1.3E
	1635	2022	1.6F
	2254		
18 F ●		0140	1.4E
	0457	0903	1.7F
	1132	1419	1.4E
	1728	2116	1.7F
	2346		
19 Sa		0225	1.4E
	0533	0940	1.7F
	1210	1456	1.5E
	1819	2206	1.6F
20 Su	0037	0308	1.3E
	0610	1015	1.7F
	1247	1532	1.5E
	1908	2256	1.6F
21 M	0127	0350	1.2E
	0647	1049	1.6F
	1324	1607	1.4E
	1955	2346	1.5F
22 Tu	0217	0434	1.0E
	0727	1123	1.5F
	1402	1643	1.4E
	2039		
23 W		0039	1.3F
	0310	0526	0.8E
	0813	1200	1.4F
	1442	1721	1.3E
	2122		
24 Th		0135	1.2F
	0410	0639	0.7E
	0907	1242	1.3F
	1525	1802	1.2E
	2207		
25 F ◐		0239	1.1F
	0521	0810	0.6E
	1012	1330	1.2F
	1614	1849	1.1E
	2258		
26 Sa		0350	1.1F
	0641	0927	0.6E
	1123	1427	1.2F
	1709	1943	1.0E
	2358		
27 Su		0454	1.1F
	0752	1030	0.7E
	1232	1531	1.1F
	1810	2052	0.9E
28 M	0100	0546	1.2F
	0844	1122	0.8E
	1333	1637	1.2F
	1913	2223	1.0E
29 Tu	0157	0631	1.3F
	0922	1206	0.9E
	1428	1737	1.3F
	2016	2328	1.0E
30 W	0245	0711	1.3F
	0953	1244	1.0E
	1516	1833	1.3F
	2114		

Time meridian 120° W. 0000 is midnight. 1200 is noon. Times are not adjusted for Daylight Saving Time.

Humboldt Bay Entrance Channel, Calif., 2009

F–Flood, Dir. 140° True E–Ebb, Dir. 323° True

October

		Slack	Maximum	
		h m	h m	knots
1	Th		0016	1.1E
		0326	0745	1.4F
		1020	1318	1.1E
		1600	1928	1.4F
		2207		
2	F		0056	1.1E
		0401	0814	1.4F
		1046	1345	1.2E
		1642	2019	1.5F
		2256		
3	Sa		0133	1.2E
		0434	0838	1.5F
	○	1114	1407	1.3E
		1722	2105	1.5F
		2342		
4	Su		0208	1.1E
		0505	0900	1.5F
		1143	1430	1.4E
		1800	2147	1.5F
5	M	0026	0242	1.1E
		0535	0925	1.5F
		1216	1459	1.4E
		1838	2228	1.5F
6	Tu	0110	0318	1.1E
		0608	0956	1.5F
		1251	1533	1.5E
		1918	2309	1.4F
7	W	0155	0357	1.0E
		0644	1035	1.5F
		1331	1613	1.5E
		2001	2355	1.3F
8	Th	0244	0441	0.9E
		0728	1121	1.5F
		1416	1658	1.4E
		2049		
9	F		0050	1.3F
		0339	0534	0.8E
		0821	1215	1.4F
		1507	1749	1.4E
		2146		
10	Sa		0159	1.2F
		0445	0639	0.7E
		0930	1316	1.4F
		1605	1847	1.3E
		2254		
11	Su		0315	1.2F
		0556	0810	0.7E
		1052	1423	1.4F
	◑	1711	1952	1.2E
12	M	0005	0425	1.3F
		0705	0950	0.8E
		1213	1539	1.4F
		1820	2108	1.2E
13	Tu	0111	0523	1.4F
		0804	1056	1.0E
		1327	1656	1.4F
		1931	2233	1.2E
14	W	0207	0615	1.5F
		0855	1148	1.1E
		1435	1807	1.4F
		2041	2340	1.2E
15	Th	0255	0702	1.6F
		0940	1234	1.3E
		1536	1914	1.5F
		2146		
16	F		0035	1.2E
		0337	0746	1.6F
		1020	1316	1.4E
		1631	2015	1.6F
		2245		
17	Sa		0124	1.2E
		0416	0827	1.7F
		1059	1354	1.5E
	●	1722	2110	1.6F
		2339		
18	Su		0210	1.2E
		0454	0905	1.7F
		1136	1430	1.5E
		1809	2200	1.6F
19	M	0029	0254	1.1E
		0532	0940	1.6F
		1213	1504	1.5E
		1851	2247	1.5F
20	Tu	0118	0337	1.0E
		0614	1015	1.6F
		1251	1536	1.5E
		1931	2335	1.4F
21	W	0206	0422	0.9E
		0700	1051	1.5F
		1329	1610	1.4E
		2008		
22	Th		0023	1.4F
		0256	0516	0.8E
		0752	1130	1.4F
		1409	1647	1.3E
		2047		
23	F		0114	1.3F
		0352	0629	0.7E
		0850	1215	1.3F
		1452	1728	1.2E
		2130		
24	Sa		0208	1.2F
		0457	0749	0.6E
		0954	1304	1.2F
		1539	1815	1.1E
		2221		
25	Su		0307	1.2F
		0605	0858	0.7E
		1101	1357	1.2F
	◐	1632	1908	1.0E
		2318		
26	M		0406	1.2F
		0706	0959	0.7E
		1206	1456	1.1F
		1732	2009	1.0E
27	Tu	0016	0456	1.2F
		0753	1051	0.8E
		1306	1600	1.2F
		1835	2125	0.9E
28	W	0108	0537	1.2F
		0829	1134	0.9E
		1402	1705	1.2F
		1941	2247	0.9E
29	Th	0154	0611	1.3F
		0859	1210	1.0E
		1453	1807	1.2F
		2047	2343	1.0E
30	F	0235	0641	1.3F
		0927	1240	1.1E
		1539	1908	1.3F
		2146		
31	Sa		0027	1.0E
		0312	0707	1.4F
		0958	1304	1.3E
		1621	2004	1.4F
		2239		

November

		Slack	Maximum	
		h m	h m	knots
1	Su		0106	1.0E
		0347	0735	1.4F
		1031	1328	1.4E
		1700	2054	1.4F
		2327		
2	M		0144	1.0E
		0422	0810	1.5F
		1106	1357	1.5E
	○	1738	2138	1.4F
3	Tu	0012	0221	1.0E
		0459	0850	1.5F
		1144	1432	1.5E
		1817	2221	1.4F
4	W	0056	0300	1.0E
		0539	0933	1.5F
		1226	1510	1.5E
		1859	2306	1.4F
5	Th	0142	0343	1.0E
		0624	1019	1.5F
		1310	1553	1.5E
		1945	2355	1.4F
6	F	0232	0430	0.9E
		0716	1110	1.5F
		1359	1640	1.5E
		2038		
7	Sa		0049	1.4F
		0328	0527	0.8E
		0817	1206	1.5F
		1451	1733	1.4E
		2136		
8	Su		0148	1.4F
		0430	0638	0.8E
		0928	1306	1.4F
		1549	1831	1.3E
		2237		
9	M		0249	1.4F
		0534	0803	0.8E
		1046	1412	1.4F
	◑	1652	1935	1.2E
		2338		
10	Tu		0350	1.4F
		0635	0923	0.9E
		1205	1526	1.3F
		1800	2048	1.2E
11	W	0034	0445	1.5F
		0729	1028	1.0E
		1320	1645	1.3F
		1913	2211	1.1E
12	Th	0124	0535	1.5F
		0818	1121	1.2E
		1430	1759	1.4F
		2028	2321	1.1E
13	F	0211	0622	1.6F
		0903	1208	1.3E
		1532	1907	1.4F
		2138		
14	Sa		0019	1.0E
		0255	0707	1.6F
		0945	1249	1.4E
		1627	2009	1.5F
		2240		
15	Su		0110	1.0E
		0338	0750	1.6F
		1026	1328	1.5E
		1714	2103	1.5F
		2334		
16	M		0157	1.0E
		0421	0831	1.6F
		1105	1403	1.5E
	●	1754	2151	1.5F
17	Tu	0021	0242	1.0E
		0505	0911	1.6F
		1144	1436	1.5E
		1830	2236	1.5F
18	W	0106	0326	1.0E
		0552	0948	1.5F
		1223	1509	1.4E
		1905	2319	1.4F
19	Th	0151	0411	0.9E
		0642	1027	1.5F
		1303	1544	1.4E
		1940		
20	F		0002	1.4F
		0237	0502	0.8E
		0735	1107	1.4F
		1343	1621	1.3E
		2020		
21	Sa		0046	1.3F
		0326	0604	0.8E
		0830	1151	1.4F
		1426	1702	1.3E
		2104		
22	Su		0131	1.3F
		0420	0713	0.7E
		0928	1237	1.3F
		1511	1748	1.2E
		2152		
23	M		0216	1.3F
		0515	0816	0.7E
		1028	1327	1.2F
		1601	1838	1.1E
		2242		
24	Tu		0302	1.2F
		0604	0914	0.7E
		1130	1420	1.2F
	◐	1657	1931	1.0E
		2330		
25	W		0344	1.2F
		0644	1006	0.8E
		1231	1521	1.1F
		1800	2030	0.9E
26	Th	0016	0420	1.2F
		0720	1049	0.9E
		1330	1631	1.1F
		1908	2145	0.8E
27	F	0058	0448	1.3F
		0755	1123	1.0E
		1424	1742	1.1F
		2020	2302	0.8E
28	Sa	0140	0519	1.3F
		0832	1151	1.1E
		1513	1851	1.2F
		2127	2357	0.8E
29	Su	0222	0556	1.4F
		0911	1218	1.3E
		1557	1952	1.3F
		2223		
30	M		0042	0.8E
		0306	0643	1.4F
		0954	1252	1.4E
		1638	2044	1.3F
		2312		

December

		Slack	Maximum	
		h m	h m	knots
1	Tu		0125	0.9E
		0350	0736	1.5F
		1037	1329	1.5E
	○	1718	2129	1.4F
		2357		
2	W		0207	0.9E
		0436	0829	1.6F
		1122	1410	1.5E
		1800	2213	1.5F
3	Th	0042	0249	1.0E
		0523	0920	1.6F
		1208	1453	1.6E
		1846	2257	1.5F
4	F	0128	0334	1.0E
		0615	1010	1.6F
		1256	1538	1.6E
		1935	2344	1.5F
5	Sa	0218	0423	1.0E
		0711	1102	1.6F
		1345	1626	1.5E
		2027		
6	Su		0033	1.5F
		0310	0519	1.0E
		0813	1157	1.5F
		1437	1718	1.4E
		2120		
7	M		0124	1.5F
		0406	0626	0.9E
		0921	1255	1.5F
		1533	1815	1.3E
		2212		
8	Tu		0216	1.5F
		0502	0737	1.0E
		1036	1359	1.4F
	◑	1635	1916	1.2E
		2303		
9	W		0309	1.5F
		0556	0847	1.0E
		1153	1514	1.3F
		1743	2026	1.1E
		2352		
10	Th		0401	1.5F
		0647	0952	1.1E
		1309	1636	1.2F
		1858	2150	0.9E
11	F	0040	0452	1.5F
		0736	1049	1.2E
		1422	1752	1.3F
		2019	2306	0.9E
12	Sa	0129	0540	1.5F
		0824	1138	1.3E
		1527	1901	1.3F
		2135		
13	Su		0006	0.9E
		0219	0627	1.5F
		0910	1221	1.3E
		1620	2002	1.4F
		2237		
14	M		0058	0.9E
		0309	0716	1.5F
		0955	1301	1.4E
		1701	2053	1.4F
		2326		
15	Tu		0147	0.9E
		0400	0803	1.5F
		1038	1337	1.4E
		1735	2137	1.5F
16	W	0008	0231	1.0E
		0449	0847	1.5F
		1120	1412	1.4E
	●	1806	2218	1.5F
17	Th	0049	0314	1.0E
		0538	0927	1.5F
		1201	1447	1.4E
		1839	2257	1.5F
18	F	0128	0356	1.0E
		0627	1006	1.5F
		1241	1523	1.4E
		1916	2335	1.4F
19	Sa	0209	0439	0.9E
		0716	1046	1.5F
		1321	1600	1.4E
		1956		
20	Su		0012	1.4F
		0251	0526	0.9E
		0805	1127	1.4F
		1403	1640	1.3E
		2038		
21	M		0048	1.4F
		0334	0616	0.8E
		0857	1211	1.4F
		1447	1723	1.2E
		2119		
22	Tu		0120	1.3F
		0415	0705	0.8E
		0951	1257	1.3F
		1535	1808	1.1E
		2200		
23	W		0149	1.3F
		0455	0746	0.8E
		1049	1346	1.2F
		1628	1855	1.0E
		2239		
24	Th		0216	1.3F
		0533	0821	0.8E
		1149	1442	1.1F
	◐	1729	1945	0.8E
		2318		
25	F		0250	1.3F
		0611	0903	0.9E
		1250	1554	1.0F
		1838	2044	0.7E
26	Sa	0000	0332	1.3F
		0653	0955	1.0E
		1348	1721	1.0F
		1954	2210	0.6E
27	Su	0048	0422	1.3F
		0741	1046	1.1E
		1442	1836	1.1F
		2107	2331	0.6E
28	M	0142	0516	1.4F
		0832	1134	1.2E
		1531	1939	1.2F
		2206		
29	Tu		0025	0.7E
		0237	0615	1.4F
		0925	1221	1.4E
		1616	2030	1.3F
		2255		
30	W		0112	0.9E
		0332	0718	1.5F
		1016	1308	1.5E
		1701	2115	1.4F
		2340		
31	Th		0157	1.0E
		0424	0818	1.6F
		1106	1354	1.5E
	○	1746	2158	1.5F

Time meridian 120° W. 0000 is midnight. 1200 is noon. Times are not adjusted for Daylight Saving Time.