Chart 56104 (Plan) NM 42/13

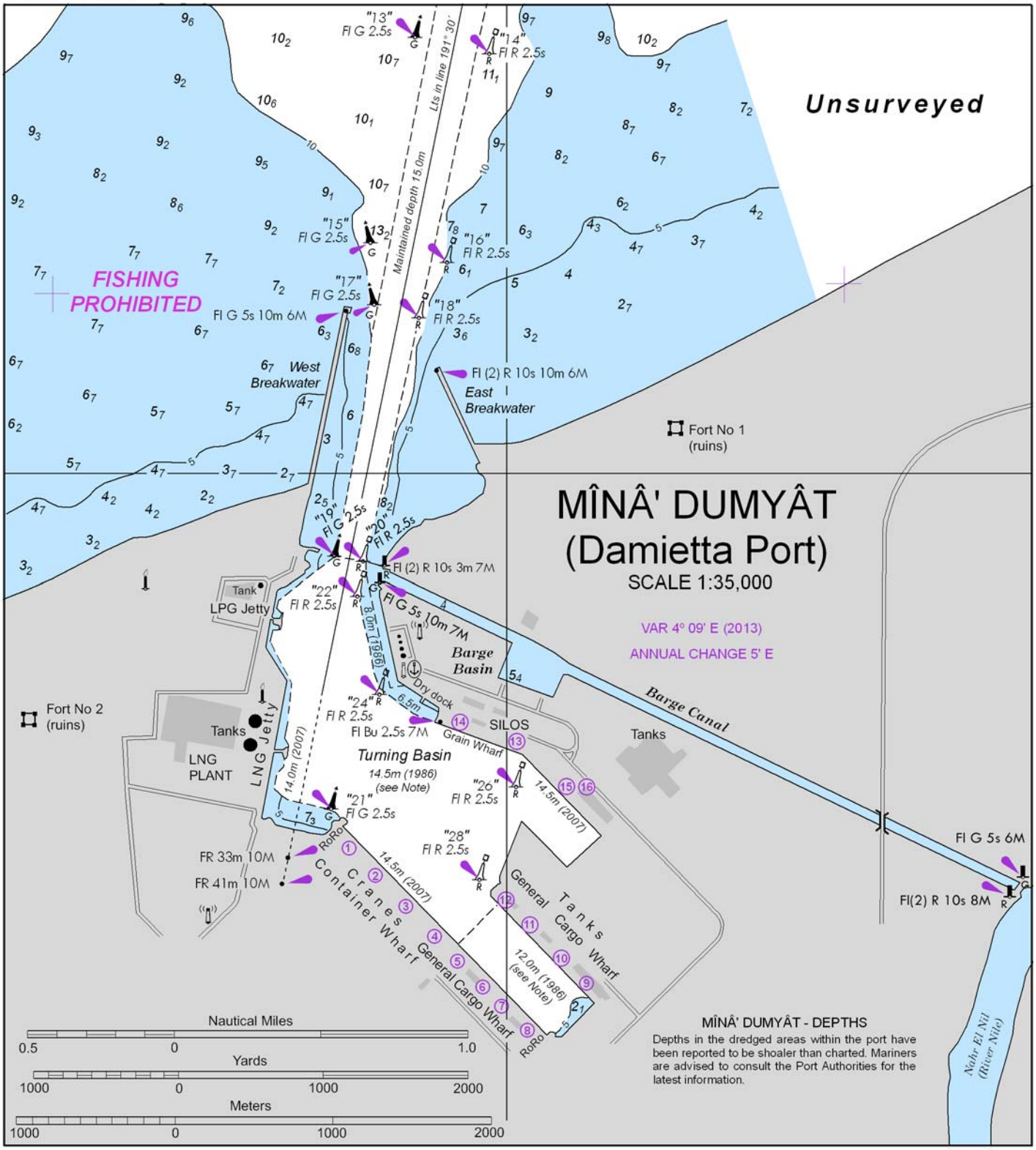

Chart 11537 (Left Panel) NM 42/13

WILMINGTON HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2013
AND SURVEYS TO MAY 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			PROJECT DIMENSIONS		
NAME OF CHANNEL	MINIMUM DEPTH IN CHANNEL	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH MLLW (FEET)
HWY 74-76 BRIDGE TO BATTLESHIP					
REACH 5	28.4	5-13	400	0.3	32
REACH 4	28.4	5-13	400	0.1	32
REACH 3	36.1	5-13	400	0.1	32
REACH 2	23.8	5-13	400	0.1	32
REACH 1	19.9	5-13	400	0.4	32
BATTLESHIP TO HWY 133 BRIDGE INCLUDING TURNING BASIN					
REACH 3	18.6	5-13	VARIES	0.2	32
REACH 2	12.6	5-13	VARIES	0.5	32
REACH 1	28.4	5-13	VARIES	0.1	32
HWY 133 BRIDGE TO HILTON BRIDGE					
REACH 4	30.4	5-13	VARIES	0.1	32
REACH 3	27.8	5-13	300	0.1	32
REACH 2	29.8	5-13	300	0.2	32
REACH 1	28.9	5-13	VARIES	0.1	32
25 FT PROJECT					
REACH 4 (A)	29.8	5-13	VARIES	0.2	25
REACH 3	19.2	5-13	VARIES	0.3	25
REACH 2 (A)	15.4	5-13	VARIES	0.5	25
TURNING BASIN	7.9	5-13	VARIES	0.2	25
REACH 1	6.9	9-12	200	0.1	25

A. SPORADIC SHOAL OBSTRUCTIONS EXIST WITHIN THE CHANNEL BUT ARE NOT CHARTED. CONSULT CORPS OF ENGINEERS FOR LOCATION OF OBSTRUCTIONS.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11537 (Right Panel) NM 42/13

CAPE FEAR RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2013
AND SURVEYS TO JUN 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH MLLW (FEET)
BALDHEAD SHOAL								
REACH 3	38.3	42.6	42.4	40.6	5-13	500-900	5.7	44
REACH 2	40.5	43.1	42.0	15.1	4-13	900	0.8	44
REACH 1	37.1	43.6	42.8	28.7	6-13	700	0.9	44
SMITH ISLAND	8.0	39.0	43.9	44.0	6-13	650	0.9	44
BALDHEAD-CASWELL	35.5	42.9	45.5	46.8	4-13	500	0.4	44
SOUTHPORT	41.1	45.0	42.4	38.8	4-13	500	1.0	44
BATTERY ISLAND	40.8	45.2	44.5	35.8	4-13	500	0.5	44
LOWER SWASH	39.4	41.3	42.8	40.4	3-13	400	1.8	42
SNOWS MARSH	36.3	41.3	41.0	39.6	3-13	400	2.9	42
HORSESHOE SHOAL	35.2	40.2	40.2	37.1	3-13	400	1.2	42
REAVES POINT	35.2	40.4	41.3	40.5	3-13	400	1.2	42
LOWER MIDNIGHT	35.9	41.9	42.6	33.3	3-13	600	1.6	42
UPPER MIDNIGHT	35.6	41.4	41.0	36.2	3-13	600	2.6	42
LOWER LILLIPUT	40.3	41.6	41.9	39.3	2-13	600	2.1	42
UPPER LILLIPUT	30.6	40.4	39.3	36.4	6-13	400	1.9	42
KEG ISLAND	35.1	42.5	41.8	35.7	2-13	400	1.5	42
LOWER BIG ISLAND	33.9	42.0	41.9	35.1	2-13	400	0.8	42
UPPER BIG ISLAND	38.5	41.9	41.4	32.8	2-13	510-700	0.5	42
LOWER BRUNSWICK	29.0	43.2	41.4	26.3	6-13	400	1.6	42
UPPER BRUNSWICK	29.5	43.8	38.7	27.7	5-13	400	0.8	42
FOURTH EAST JETTY	39.5	44.3	44.1	42.4	5-13	500	1.7	42
BETWEEN CHANNEL	37.0	43.3	44.4	42.3	6-13	550	0.5	42
LOWER ANCHORAGE BASIN	32.5	39.5	38.4	34.9	6-13	550-1200	0.75	42
UPPER ANCHORAGE BASIN	34.5	37.9	38.5	39.3	6-13	450-940	0.75	38

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11545 NM 42/13

MOREHEAD CITY HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2013
AND SURVEYS TO JUN 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH MLLW (FEET)
RANGE A SECTION 3	41.5	45.3	45.1	40.8	2-13	450	6.0	47
RANGE A SECTION 2	11.9	22.5	37.6	30.9	6-13	450	0.9	47
RANGE A SECTION 1	17.7	17.9	30.5	10.4	6-13	450-650	0.8	47
CUTOFF	8.2	4.7	4.7	4.7	5-13	600-800	0.7	45
RANGE B	33.3	36.0	41.4	35.8	4-13	400	1.3	45
RANGE C	30.4	46.9	42.0	37.0	5-13	1888	0.6	45
EAST LEG	43.3	42.7	41.7	38.4	5,6-13	455-880	0.3	45
WEST LEG	20.4	31.2	37.4	37.0	5-13	775	0.5	35
NORTHWEST LEG	14.9	30.5	34.7	34.2	5-13	120-1200	0.5	35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11547 NM 42/13

MOREHEAD CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2013 AND SURVEYS TO JUN 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH MLLW (FEET)
RANGE A SECTION 3	41.5	45.3	45.1	40.8	2-13	450	6.0	47
RANGE A SECTION 2	11.9	22.5	37.6	30.9	6-13	450	0.9	47
RANGE A SECTION 1	17.7	17.9	30.5	10.4	6-13	450-650	0.8	47
CUTOFF	8.2	4.7	4.7	4.7	5-13	600-800	0.7	45
RANGE B	33.3	36.0	41.4	35.8	4-13	400	1.3	45
RANGE C	30.4	46.9	42.0	37.0	5-13	1888	0.6	45
EAST LEG	43.3	42.7	41.7	38.4	5,6-13	455-880	0.3	45
WEST LEG	20.4	31.2	37.4	37.0	5-13	775	0.5	35
NORTHWEST LEG	14.9	30.5	34.7	34.2	5-13	120-1200	0.5	35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12304 NM 42/13

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRANDYWINE RANGE	39.8	A41.3	40.4	40.0	10-12	1000	10.94	40
MIAH MAULL RANGE	42.1	40.5	39.4	38.2	10-12	1000	7.02	40
ELBOW OF CROSS LEDGE RANGE	39.9	43.2	42.0	41.3	11-12	1000	3.39	40
LISTON RANGE (BELOW SHIP JOHN LIGHT)	42.4	41.7	41.9	40.9	12-12	1000	5.57	40
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	40.5	40.8	40.9	40.7	5-12	1000-800	12.42	40

A. 40 FOOT OBSTRUCTION LOCATED AT 39°04'29.76"N, 75°10'49.48"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12311 NM 42/13

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2013 AND SURVEYS TO JUL 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	40.5	40.8	40.9	40.7	5-12	1000-800	12.42	40
BAKER RANGE	45.5	44.3	42.5	39.6	6-12	800	1.65	40
REEDY ISLAND RANGE	38.7	40.3	41.7	38.7	5-12	800	4.28	40
NEW CASTLE RANGE	A38.9	42.4	44.3	39.6	1-13	800	4.34	40
BULKHEAD BAR RANGE	38.3	46.6	45.6	39.9	5-12	1600	0.56	40
DEEPWATER POINT RANGE	36.3	39.3	41.7	37.0	8-12	800	3.76	40
CHERRY ISLAND RANGE	39.0	40.0	40.0	39.0	7-13	800	4.33	40
BELLEVUE RANGE	39.5	41.0	42.3	39.4	10-12	800	3.05	40

A. 38 FOOT OBSTRUCTION LOCATED AT 39°33'15.5"N, 75°32'39.0"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12313 NM 42/13

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013 AND SURVEYS TO JUN 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TINICUM RANGE	37.0	41.0	40.0	38.0	6-13	800	3.03	40
BILLINGSPORT RANGE	43.0	44.5	44.7	39.5	2-13	800	1.15	40
MIFFLIN RANGE	40.8	44.4	43.2	42.8	10-12	800	2.83	40
EAGLE POINT RANGE	39.4	41.4	42.5	39.5	10-12	800	1.74	40
HORSESHOE BEND	41.7	43.9	44.3	39.7	11-12	800-500	0.80	40
EAST HORSESHOE RANGE AND REACH M	41.2	43.2	43.9	44.0	1-13	500-400	1.19	40
REACH M TO BENJAMIN FRANKLIN BRIDGE	19.4	30.8	38.2	37.0	1-13	400	2.95	40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST	29.5	39.7	40.3	38.8	12-12	400	2.00	40
CAMBRIA ST TO ALLEGHENY AVE	38.4	40.1	40.2	36.3	12-12	400	0.42	40
HARBOR RANGE	40.0	40.3	40.0	39.4	4-13	400	0.70	40
FISHER CHANNEL	40.1	42.9	43.9	42.0	4-13	400	0.31	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12314 (Upper Panel) NM 42/13

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2013

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HARBOR RANGE								
(CHARTS 12313,12312)	40.0	40.3	40.0	39.4	4-13	400	0.70	40
FISHER CHANNEL	40.1	42.9	43.9	42.0	4-13	400	0.31	40
DRAW CHANNEL	34.7	43.5	43.8	38.2	4-13	400	0.74	40
DELAIR RANGE	37.5	37.7	36.8	35.5	4-13	400	0.98	40
BRIDESBURG CHANNEL	41.3	41.3	42.0	32.7	4-13	400	0.31	40
FRANKFORD CHANNEL	28.4	40.0	37.6	31.4	4-13	400	1.05	40
TACONY CHANNEL	33.5	38.8	39.6	36.8	4-13	400	1.17	40
TORRESDALE RANGE	35.3	37.5	38.2	37.1	4-13	400	1.39	40
MUD ISLAND RANGE	37.7	38.9	38.9	33.6	4-13	400	1.67	40
ENTERPRISE RANGE	36.0	38.9	40.0	33.6	3-13	400	1.70	40
BEVERLY CHANNEL	31.2	37.1	40.6	36.0	3-13	400	0.65	40
EDGEWATER CHANNEL	31.0	39.2	39.6	34.7	3-13	400	1.37	40
DEVLIN CHANNEL	33.3	39.3	39.2	16.1	3-13	400	1.03	40
LEHIGH CHANNEL	33.8	41.9	38.7	32.0	3-13	400	0.66	40
CANAL CHANNEL	38.1	43.8	43.2	37.7	3-13	500	0.19	40
BRISTOL RANGE	34.7	42.2	41.8	37.4	3-13	400	0.62	40
KEYSTONE RANGE	30.4	38.5	42.3	32.7	3-13	400	0.42	40
LANDRETH CHANNEL	31.9	40.1	39.4	33.9	3-13	400	1.21	40
FLORENCE BEND	37.1	41.0	41.0	26.8	3-13	500	0.61	40
FLORENCE RANGE	27.2	38.9	40.9	34.1	3-13	400	1.34	40
ROEBLING RANGE	26.7	38.2	42.1	36.1	3-13	400	0.34	40
KINKORA RANGE	33.5	39.3	36.8	31.4	3-13	400	1.15	40
PENN CHANNEL	32.4	39.0	38.8	31.9	3-13	400	0.36	40
NEWBOLD CHANNEL	10.2	16.2	19.9	26.8	3-13	400	0.52	40
BLAKE CHANNEL	17.5	22.0	24.8	25.8	3-13	400	0.17	25
WHITEHILL RANGE	23.8	23.4	23.6	22.6	3-13	300	1.03	25
RARITAN CHANNEL	20.5	23.3	26.8	25.7	3-13	400	0.24	25
BORDENTOWN RANGE	16.1	19.2	20.5	14.3	3-13	300	0.65	25
DUCK ISLAND RANGE	9.9	14.5	15.0	12.3	3-13	300	1.25	25
PERRIWIG CHANNEL	15.1	21.5	23.6	21.8	5-11	400	0.24	25
BILES ISLAND CHANNEL	23.0	23.3	22.1	16.4	5-11	300	0.38	25
COCHRAN CHANNEL	26.8	28.4	24.6	14.9	5-11	300	0.31	25
MOON CHANNEL	6.3	12.0	11.4	11.6	5-11	500	0.39	25
TRENTON CHANNEL								
SOUTH REACH		7.8	7.8		5-11	200	0.49	12
NORTH REACH		5.3	A 5.3		5-11	200-300	0.58	12
AUXILLARY CHANNEL EAST OF BURLINGTON ISLAND								
RANGE I	15.1	13.2	10.9		9-11	200	0.28	20
RANGE S	9.1	11.3	13.5		9-11	200	0.25	20
RANGE L	6.4	11.9	10.8		9-11	200	0.10	20
RANGE A	0.2	6.4	18.2		9-11	200	0.19	20
RANGE N	5.1	10.1	22.4		9-11	200	0.12	20
RANGE D	8.1	13.4	20.0		9-11	200	0.09	20
IN FRONT OF TURNING BASIN	8.5	12.7	17.3		9-11	200	0.18	20

A. EXCEPT FOR A 5 FOOT ROCK LOCATED AT 40°12'25.9"N, 74°45'57.2"W.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18587 NM 42/13

COOS BAY, ISTHMUS SLOUGH AND CHARLESTON CHANNEL DEPTHS
TABULATED FROM SURVEYS AND REPORTS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2013
AND SURVEYS TO JUN 2013

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH (FEET)
ENTRANCE RANGE	37	40	40	6-13	---	1.9	37
ENTRANCE RANGE AND TURN	38	42	34	6-13	300	0.8	37
COOS BAY INSIDE RANGE	36	38	39	6-13	300	0.8	37
COOS BAY RANGE	38	37	38	6-13	300	0.9	37
EMPIRE RANGE	29	37	28	5-13	300-800	2.3	37
LOWER JARVIS RANGE	33	37	21	5-13	300-800	1.1	37
JARVIS TURN RANGE	37	37	34	5-13	300	0.6	37
UPPER JARVIS RANGE A	36	37	36	5-13	300	1.0	37
UPPER JARVIS RANGE B	34	37	34	5-13	400	1.4	37
NORTH BEND LOWER RANGE	38	38	34	5-13	400	0.4	37
RANGE AND TURN	36	39	34	5-13	500	0.4	37
NORTH BEND RANGE	26	38	36	5-13	400	1.1	37
NORTH BEND UPPER RANGES	27	37	37	5-13	400	0.8	37
LOWER TURNING BASIN	26	32	29	5-13	800	0.5	37
FERNDALE LOWER RANGE	29	38	35	4-13	400	0.4	37
FERNDALE TURN	25	36	36	4-13	400	0.1	37
FERNDALE UPPER RANGE	8	30	29	4-13	400	0.9	37
MARSHFIELD RANGE	31	33	24	4-13	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	26	27	30	4-13	400-600	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22
CHARLESTON CHANNEL							
ENTRANCE	16	19	10	5-13	150	0.3	17
ENTRANCE TO BASIN	17	18	13	5-13	150	0.4	17
BASIN	16	16	3	5-13	250-500	0.2	16
BASIN TO BRIDGE	12	12	12	5-13	150	0.3	16

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 93048 NM 42/13

OIL AND GAS PIPELINES

Mariners are advised not to anchor or trawl in the vicinity of pipelines. Gas from a damaged pipeline could cause an explosion, loss of a vessel's buoyancy or some other serious hazard. Pipelines are not always buried and their presence may effectively reduce the charted depth.