

Chart 13221

NM 5/15

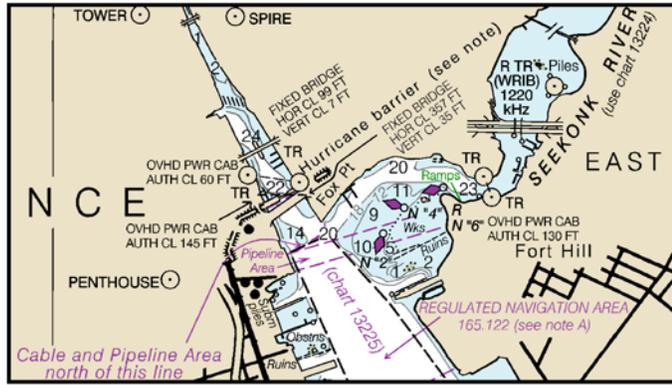
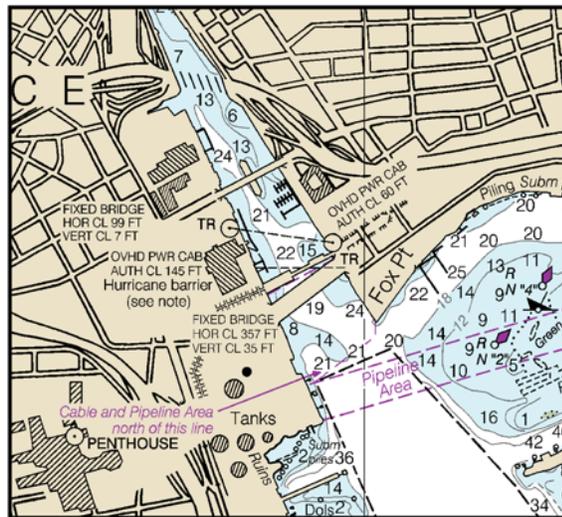


Chart 13224

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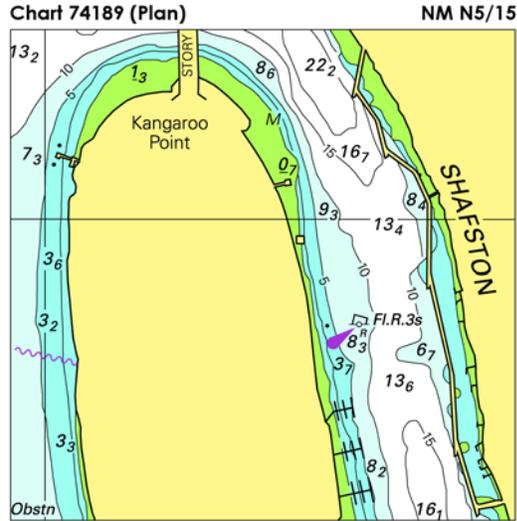


Chart 74585 (A) NM N5/15

Depths are in metres and are reduced to Port Datum, which has been adopted as Lowest Astronomical Tide. Depths shown in upright figures are from old or inadequate surveys.

Heights are in metres. Underlined figures are drying heights in metres and decimetres above Chart Datum; overhead clearance heights are above Highest Astronomical Tide; all other heights are above Mean Higher High Water.

Positions are related to the World Geodetic System 1984 Datum; (see SATELLITE DERIVED POSITIONS Note).

Navigational marks: IALA Maritime Buoyage System - Region A (Red to Port).

Projection: Transverse Mercator.

Acknowledgements: Fremantle Port Authority, Department of Transport Western Australia.

Chart 74585 (B) NM N5/15

Tidal Levels referred to Datum of Soundings								
Place	Lat S	Long E	Heights in metres above datum					
			HAT	MHHW	MLHW	MSL	MHLW	MLLW
Fremantle	32° 03'	115° 44'	1.4	1.1	1.0	0.8	0.5	0.4

THOMAS
Kings Park

Chart 74588

(A)

NM N5/15

Depths are in metres and are reduced to Port Datum, which has been adopted as Lowest Astronomical Tide. Depths shown in upright figures are from old or inadequate surveys.

Heights are in metres. Underlined figures are drying heights in metres and decimetres above Chart Datum; overhead clearance heights are above Highest Astronomical Tide; all other heights are above Mean Higher High Water.

Positions are related to the World Geodetic System 1984 Datum; (see SATELLITE DERIVED POSITIONS Note).

Navigational marks: IALA Maritime Buoyage System - Region A (Red to Port).

Projection: Transverse Mercator.

Acknowledgements: Fremantle Port Authority, Department of Transport Western Australia.

Chart 74588

(B)

NM N5/15

Peron		Tidal Levels referred to Datum of Soundings						
Place	Lat S	Long E	Heights in metres above datum					
			HAT	MHHW	MLHW	MSL	MHLW	MLLW
Fremantle	32° 03'	115° 44'	1.4	1.1	1.0	0.8	0.5	0.4

SECTION I

Chart 18424

NM 5/15

I. & J. STREET, WHATCOM AND SQUALICUM CREEK WATERWAYS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2005 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	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
WHATCOM WATERWAY							
OUTER REACH	20.0	28.0	29.0	7-13	363	0.62	30
MIDDLE REACH	11.0	21.0	12.0	7-13	363	0.36	30
INNER REACH	4.0	1.0	1.0	7-13	363	0.12	18
I&J STREET WATERWAY	14.0	13.0	13.0	7-13	100	0.53	18
SQUALICUM CREEK WATERWAY							
ENTRANCE CHANNEL	24.0	26.0	24.0	7-13	200	0.34	26
SOUTHWEST PORTION OF BASIN	21.0	17.0	13.0	7-13	0-295	0.13	26
NORTHEAST PORTION OF BASIN	A8.0	A20.0	A15.0	7-13	200-295	0.28	26

A. SHOALING TO BARE LAST 200 FEET OF PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18622

NM 5/15

HUMBOLDT BAY AND HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2014								
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)
BAR CHANNEL	43	43	44	43	7-14	2100-750	1.0	48
ENTRANCE CHANNEL	37	44	44	42	7-14	750	0.8	48
NORTH BAY CHANNEL	34	36	35	28	2-14; 7-14	400-500	3.0	38
EUREKA CHANNEL								
OUTER REACH	31	30	29	16	2-14	400	0.4	38
INNER REACH	4	7A	13B	9	2-14	400	1.1	26
SAMOA CHANNEL	36	38	37	33	2-14	400	1.3	38
TURNING BASIN	33	35	34	23	2-14	400-1000	0.3	38
FIELDS LANDING CHANNEL	23	28	27	19	2-14	300	1.9	26
TURNING BASIN	16	22	25	24	2-14	300-800	0.1	26

A. SHOALING TO 4 FEET FOR LAST 2,000 FEET OF THE REACH.
B. SHOALING TO 9 FEET FOR LAST 2,000 FEET OF THE REACH.
NOTE-CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18651

NM 5/15

REDWOOD CITY HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2014							
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 (NAUT. MILES)	DEPTH MLLW (FEET)
CHANNEL ENTRANCE (37°33'10"N., 122°11'43"W.) TO LIGHT 8	26.0	27.0	25.0	08-14	700-300	1.07	30
LIGHT 8 TO LIGHT 14	22.0	22.0	20.0	08-14	300-350	.90	30
LIGHT 14 TO LIGHT 15	21.0	24.0	22.0	08-14	300	.28	30

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