Chart 62095 (A) NM 3/02

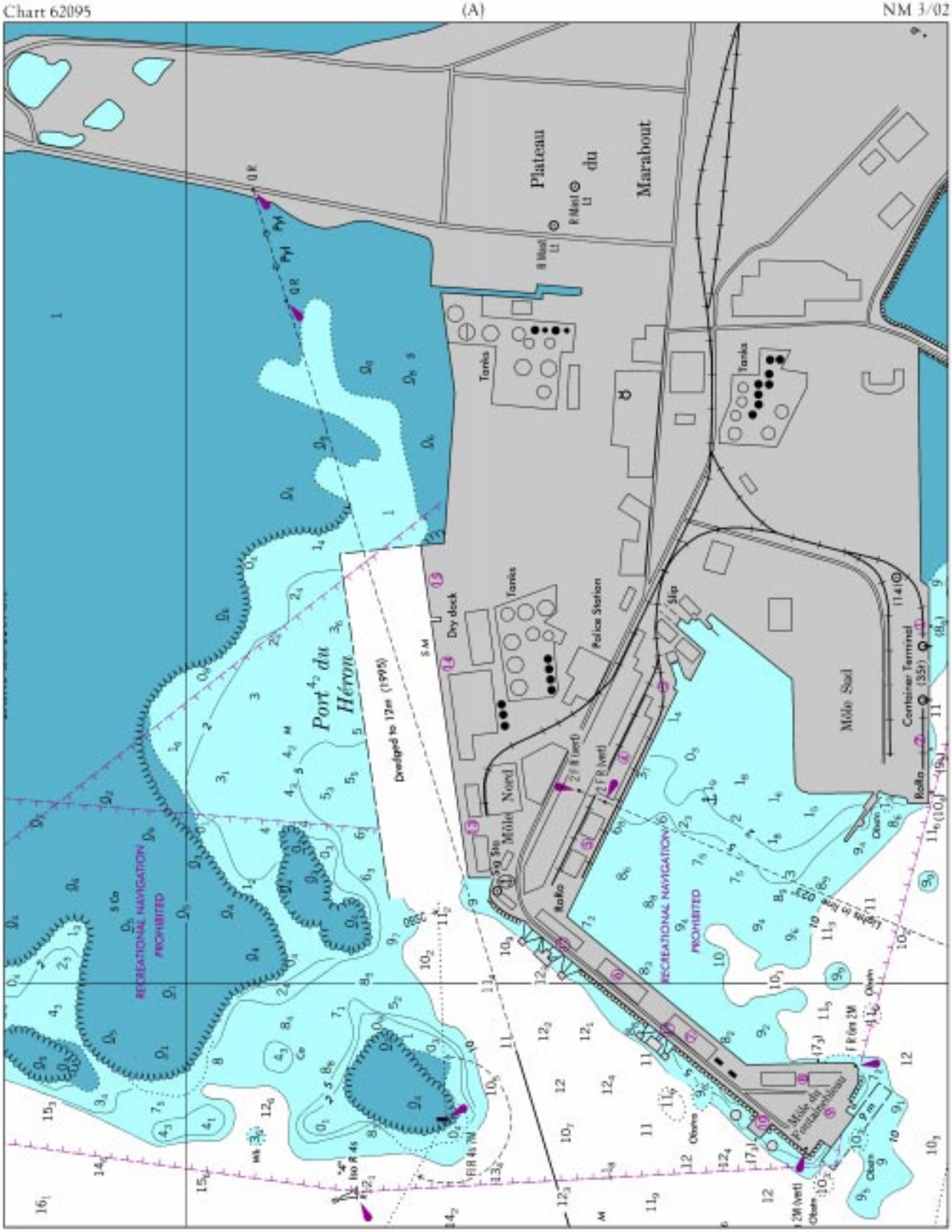

Chart 62095
(B)
NM 3/02
Container Terminal
Ro-Ro
Dredged to 3m
Ferry Wharf
Yacht Club
Customs
Government Jetty
Saltworks

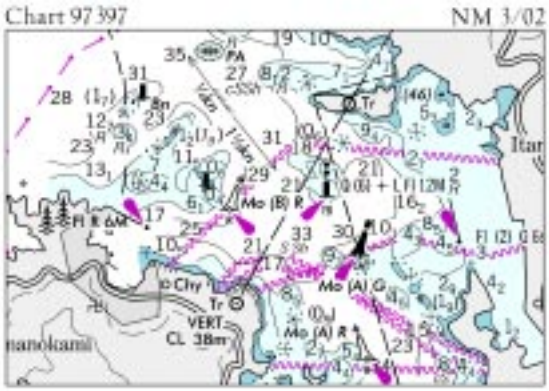
Chart 97397
NM 3/02
Mo (B) R
Mo (A) G
Mo (A) R
Chy
Tr
VERT
CL 38m
Fl R 6M
Fl (2) G 6s
Itar
nanokami

Chart 18521 NM 3/02

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2001

* SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
ENTRANCE RANGE	55	55	50	44	7,8-01	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	51	52	52	47	7,8-01	2640	2.2	48
LOWER DESDEMONA SHOAL	45	45	38	30	1,5-01	600	3.4	40
UPPER DESDEMONA SHOAL	39	44	45	45	8-01	600	3.7	40
TANSY POINT TURN AND RANGE	40	40	40	37	8-01	600	4.7	40
ASTORIA RANGE	41	41	41	40	8-01	600	2.7	40
TONGUE POINT CHANNEL	41	41	41	41	8-01	600	2.2	40
HARRINGTON POINT RANGE	40	40	38	40	8-01	600	2.6	40
MILLER SANDS RANGE	43	41	40	37	8-01	600	2.2	40

* CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18523 NM 3/02

COLUMBIA RIVER CHANNEL DEPTHS
MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD)						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 CRD (FEET)
MILLER SANDS RANGE	43	41	40	37	8 - 01	600	2.2	40
PILLAR ROCK LOWER RANGE	38	41	39	39	7, 8 - 01	600	3.0	40
PILLAR ROCK UPPER RANGE	38	43	40	36	7, 8 - 01	600	1.9	40
WELCH ISLAND REACH	39	44	44	35	8 - 01	600	3.2	40
SKAMOKAWA CHANNEL	39	40	40	37	7, 8 - 01	600	3.3	40
STEAMBOAT REACH	48	47	44	40	7 - 01	600	1.4	40
PUGET ISLAND RANGE AND TURN	34	40	41	39	7 - 01	600	3.5	40
WAUNA RANGE	37	40	42	40	7 - 01	600	2.2	40
DRISCOLL RANGE	37	40	38	41	7 - 01	600	1.7	40
WESTPORT TURN AND RANGE	37	40	40	40	7 - 01	600	2.0	40
WESTPORT CHANNEL	38	40	40	38	7 - 01	600	2.4	40
EUREKA LOWER CHANNEL	48	46	45	46	7 - 01	600	2.1	40
EUREKA UPPER CHANNEL	40	45	44	44	7 - 01	600	0.8	40
OAK POINT CHANNEL	47	46	44	44	7 - 01	600	2.4	40
GULL I TURN AND CHANNEL	45	42	43	40	6, 7 - 01	600	2.2	40

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

Chart 18649 NM 3/02

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2001

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)
SOUTHAMPTON SHOAL CHANNEL	43.9	44.2	44.3	43.6	5-01	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	36.8	36.6	37.7	37.1	9-01	600-550	1.0	35
POINT POTRERO REACH	36.9	37.0	35.7	35.6	8,9-01	500-600	1.4	35
POINT POTRERO TURN	36.0	37.6	36.5	36.0	8-01	600-1250	0.6	35
HARBOR CHANNEL	37.0	37.6	37.3	36.8	8-01	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	2-99,8-01	200	0.5	35-30
TURNING BASIN	28.6	30.1	29.1	24.1	2-99	200-500	0.16	30

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

Chart 18653 NM 3/02

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2001

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)
SOUTHAMPTON SHOAL CHANNEL	43.9	44.2	44.3	43.6	5-01	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	36.8	36.6	37.7	37.1	9-01	600-550	1.0	35
POINT POTRERO REACH	36.9	37.0	35.7	35.6	8,9-01	500-600	1.4	35
POINT POTRERO TURN	36.0	37.6	36.5	36.0	8-01	600-1250	0.6	35
HARBOR CHANNEL	37.0	37.6	37.3	36.8	8-01	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	2-99,8-01	200	0.5	35-30
TURNING BASIN	28.6	30.1	29.1	24.1	2-99	200-500	0.16	30

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