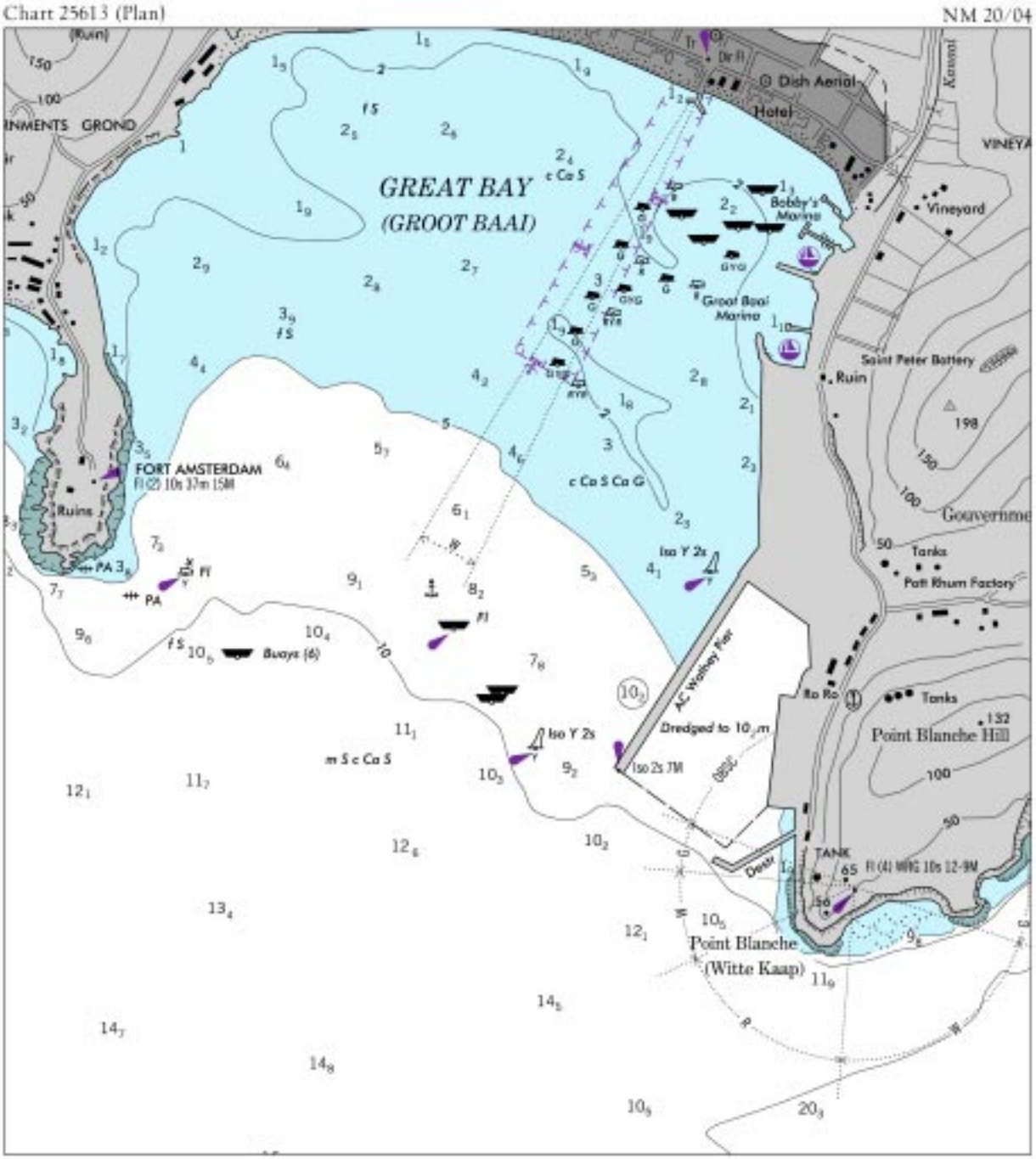
Chart 25613 (Plan)
NM 20/04
GREAT BAY
(GROOT BAAI)
Dish Aerial
Hotel
Bobby's Marina
Vineyard
Great Baai Marina
Saint Peter Battery
Ruin
FORT AMSTERDAM
Ruins
Tanks
Patt Rhum Factory
Buoys (6)
AC Walkway Pier
Dredged to 10 m
Point Blanche Hill
Point Blanche
(Witte Kaap)
TANK

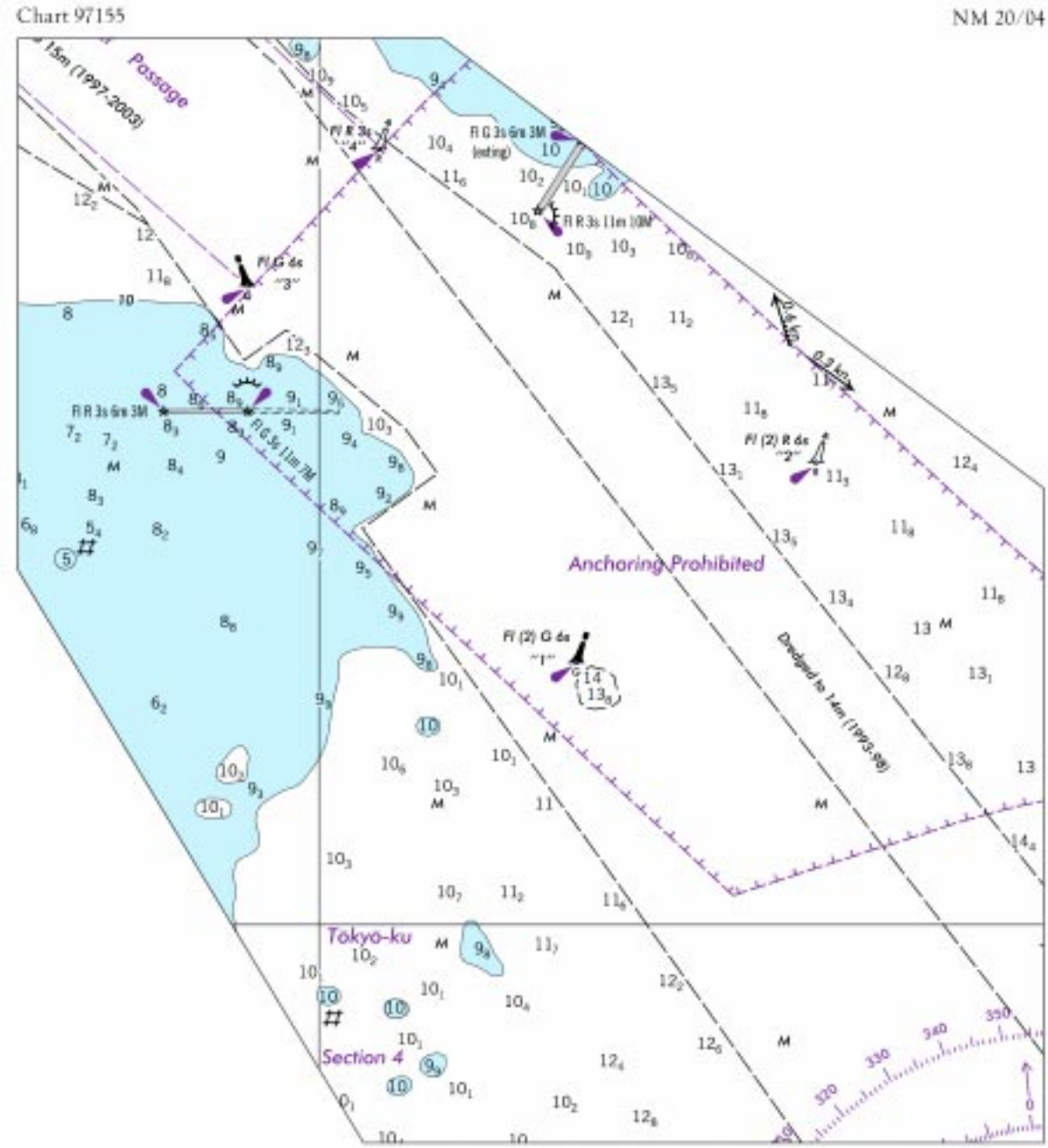
Chart 97155
NM 20/04
Passage
Anchoring Prohibited
Tokyo-ku
Section 4

Chart 11376 NM 20/04

MOBILE BAY AND RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004

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)
ENTRANCE CHANNEL	42.2	47.0	44.2	7-03	600	7.0	47
MOBILE BAY:							
LOWER REACH (TO LIGHT 50)	42.5	45.0	43.3	1-04	400	11.8	45
UPPER REACH	41.1	44.2	40.3	1-04	400	13.4	40-45
MOBILE RIVER:							
PINTO ISLAND REACH	32.9	39.6	32.6	11-03	700-800	0.6	40
MOBILE CHANNEL	33.1	39.1	37.6	11-03	600	1.5	40
MOBILE TURNING BASIN	39.3	39.9	36.5	11-03	200-675	0.4	40
BLAKELEY ISLAND REACH	38.7	36.1	30.0	11-03	500	1.0	40
ST. LOUIS POINT REACH	19.7	24.9	22.6	12-03	500	0.2	25
CHICKASAW CREEK CHANNEL	12.7	19.4	22.6	12-03	250	2.7	25
ARLINGTON CHANNEL	17.3	18.8	18.4	9-03	150	1.4	27
OCEAN TERMINAL TURNING BASIN	17.4	18.4	11.1	9-03	600	0.1	27
THEODORE SHIP CHANNEL:							
BAY CUT	35.2	37.5	37.1	9-01	400	4.5	40
ANCHORAGE AREA	40.0	40.0	39.9	9-01	300	0.2	40
LAND CUT	36.6	38.4	A36.6	9-01	300	1.5	40
TURNING BASIN	37.0	38.0	34.8	9-01	1400	0.3	40
BARGE CHANNEL	9.5	10.5	7.9	1-04	100	1.1	12

A. ROCK OBSTRUCTIONS REPORTED FROM BUOY "20", CONTINUING FOR APPROXIMATELY 600 FEET EASTWARD. MINIMUM DEPTH OVER ROCKS IS 38 FEET.

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

Chart 18521 NM 20/04

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MARCH 26, 2004

* SEE FOOTNOTES						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)
ENTRANCE RANGE	58	57	55	43	10-03	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	49	52	53	44	10-03	2640	2.2	48
LOWER DESDEMONA SHOAL	43	44	41	36	3-04	600	3.4	40
UPPER DESDEMONA SHOAL	42	43	47	45	12-03	600	3.6	40
TANSY POINT TURN AND RANGE	40	41	40	37	12-03	600	4.8	40
ASTORIA RANGE	42	42	43	41	12-03	600	2.7	40
TONGUE POINT CHANNEL	39	41	41	41	3-04	600	2.2	40
HARRINGTON POINT RANGE	39	41	41	36	11-03, 3-04	600	2.6	40
MILLER SANDS RANGE	41	43	41	36	11-03	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT

* 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 20/04

COLUMBIA RIVER CHANNEL DEPTHS
MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MARCH 26, 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD) * 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 (STAT. MILES)	DEPTH CRD (FEET)
MILLER SANDS RANGE	41	43	41	36	11-03	600	2.2	40
PILLAR ROCK LOWER RANGE	37	40	41	37	11-03	600	3.0	40
PILLAR ROCK UPPER RANGE	36	42	40	40	11,12-03	600	1.9	40
WELCH ISLAND REACH	40	43	44	38	12-03	600	3.2	40
SKAMOKAWA CHANNEL	28	41	42	37	2-04	600	3.3	40
STEAMBOAT REACH	49	48	46	38	2-04	600	1.4	40
PUGET ISLAND RANGE AND TURN	41	41	41	36	2-04	600	3.5	40
WAUNA RANGE	37	39	40	40	2-04	600	2.2	40
DRISCOLL RANGE	39	39	40	42	2-04	600	1.7	40
WESTPORT TURN AND RANGE	39	41	43	42	2-04	600	2.0	40
WESTPORT CHANNEL	39	42	42	40	2-04	600	2.4	40
EUREKA LOWER CHANNEL	43	44	44	44	2-04	600	2.1	40
EUREKA UPPER CHANNEL	43	44	43	41	2-04	600	0.8	40
OAK POINT CHANNEL	46	46	47	44	2-04	600	2.4	40
GULL I TURN AND CHANNEL	46	43	41	37	2-04	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION

Chart 18524 (Left Panel) NM 20/04

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MARCH 26, 2004

CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * 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 (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	46	43	41	37	2-04	600	2.2	40
STELLA RANGE	37	40	41	39	2-04	600	2.8	40
FISHER I CHANNEL	42	47	43	40	2-04	600	0.9	40
WALKER I CHANNEL	37	42	40	36	2-04	600	1.5	40
BARLOW PT. CHANNEL	45	44	43	39	2-04	600	1.3	40
SLAUGHTERS CHANNEL	38	42	38	36	2-04	600	2.3	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	39	39	39	40	2-04	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	38	42	42	40	1-04	600	1.7	40
COTTONWOOD ISLAND TURN	43	41	39	39	1-04	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE	42	42	41	41	1-04	600	1.6	40
KALAMA LOWER RANGE	43	41	40	34	1-04	600	1.8	40
KALAMA UPPER RANGE	41	42	40	40	1-04	600	2.2	40
BYBEE LEDGE CHANNEL	40	42	41	40	1-04	600	2.1	40
MARTIN ISLAND CHANNEL	41	41	39	38	1-04	600	2.1	40
MARTIN ISLAND RANGE	40	42	41	41	1-04	600	1.4	40
COLUMBIA CITY CHANNEL	40	40	39	39	1-04	600	1.2	40
ST. HELENS RANGE	38	41	42	41	1-04	600	2.0	40
ST. HELENS TURN	42	43	42	40	1-04	600	1.7	40

* CONTROLLING DEPTHS ROUNDED TO NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18525 NM 20/04

COLUMBIA RIVER CHANNEL DEPTHS
SAINT HELENS TURN TO TOMAHAWK BAR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS OF MARCH 26, 2004

CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * 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 (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	42	43	42	40	1-04	600	1.7	40
WARRIOR ROCK RANGE	39	40	40	40	1-04	600	1.3	40
DUCK CLUB TURN	38	38	42	41	1-04	600	1.4	40
HENRICI RANGE	40	37	39	39	1-04	600	2.6	40
FALES CHANNEL	42	42	39	38	1-04	600	1.1	40
KNAPP POINT CHANNEL	40	41	40	40	1-04	600	1.8	40
WILLOW LOWER RANGE	40	42	41	39	1-04	600	2.1	40
WILLOW UPPER RANGE	41	43	40	44	12-03	600	1.1	40
MORGAN TURN	43	45	49	46	12-03	600	1.0	40
MORGAN CHANNEL	46	45	42	42	12-03	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	48	49	2-04	500	1.0	40
VANCOUVER RANGE	39	43	42	40	2-04	500	1.3	40
VANCOUVER UPPER CHANNEL	40	42	38	39	2-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	38	41	40	2-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	31	27	26	24	2-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18526 NM 20/04

COLUMBIA RIVER CHANNEL DEPTHS
MORGAN CHANNEL TO TOMAHAWK BAR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MARCH 26, 2004

CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * 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 (STAT. MILES)	DEPTH CRD (FEET)
MORGAN CHANNEL	46	45	42	42	12-03	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	48	49	2-04	500	1.0	40
VANCOUVER RANGE	39	43	42	40	2-04	500	1.3	40
VANCOUVER UPPER CHANNEL	40	42	38	39	2-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	38	41	40	2-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	31	27	26	24	2-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18531 (Lower Panel) NM 20/04

COLUMBIA RIVER CHANNEL DEPTHS
TOMAHAWK BAR TO BONNEVILLE LOCKS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MARCH 26, 2004

CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
TOMAHAWK BAR	18	18	17	11-03	300	3.7	27
AIRPORT BAR	15	18	18	2-04	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	16	17	16	2-04	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	14	16	16	2-04	300	1.6	27
FISHER QUARRY CHANNEL RANGE	28	24	21	2-04	300	1.0	27
GOVERNMENT ISLAND RANGE	24	30	26	2-04	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	16	19	19	2-04	300	0.8	27
LADY ISLAND RANGE	18	20	22	2-04	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	27	28	21	2-04	300	0.9	27
WASHOUGAL LOWER RANGE	18	27	28	2-04	300	1.5	27
WASHOUGAL UPPER RANGE	19	27	27	2-04	300	1.1	27
GARY ISLAND RANGE	16	15	15	2-04	300	0.9	27
REED ISLAND RANGE	17	16	14	2-04	300	2.2	27
TUNNEL POINT CHANNEL	24	25	26	10-03	300	0.8	27
ROOSTER ROCK CHANNEL	26	23	25	10-03	300	1.2	27
CAPE HORN CHANNEL	34	32	31	10-03	300	2.4	27
CANDIANA CHANNEL	16	38	36	10-03	300	1.0	27
FASHION REEF LOWER RANGE	12	19	21	10-03	300	2.2	27
MULTNOMAH FALLS BAR RANGE	13	23	16	10-03	300	1.3	27
MULTNOMAH FALLS TURN	12	20	21	10, 11-03	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	18	21	24	11-03	300	3.2	27
MCGOWANS CHANNEL	39	34	25	11-03	300	1.1	27
WARRENDALE LOWER RANGE	20	22	23	11-03	300	0.9	27
WARRENDALE UPPER RANGE	21	28	22	11-03	300	0.8	27
HAMILTON ISLAND REACH	21	30	27	11-03	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	22	22	22	3-00	300	0.6	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT

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