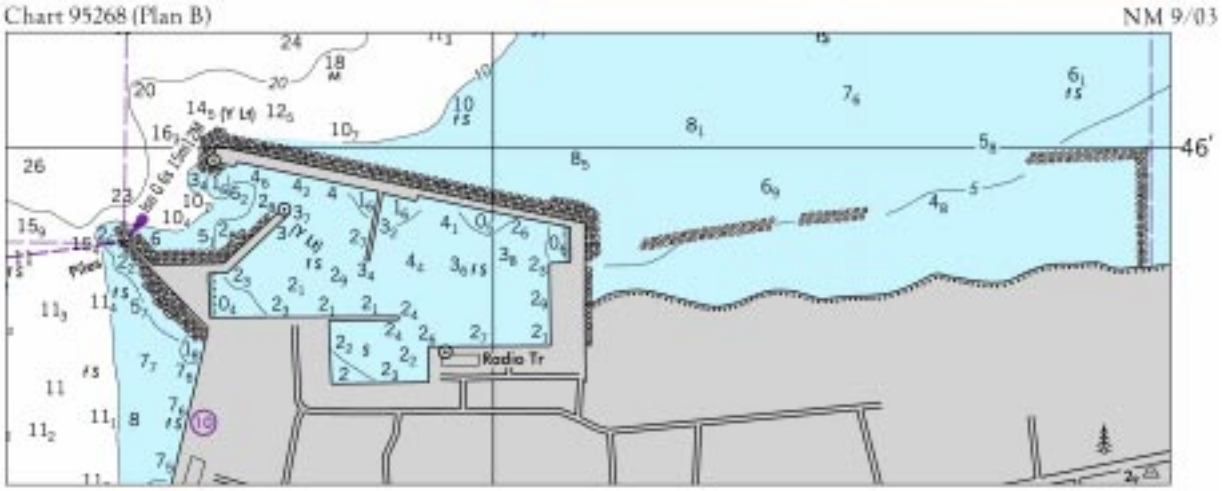
Chart 95268 (Plan B)
NM 9/03
46'
Radio Tr

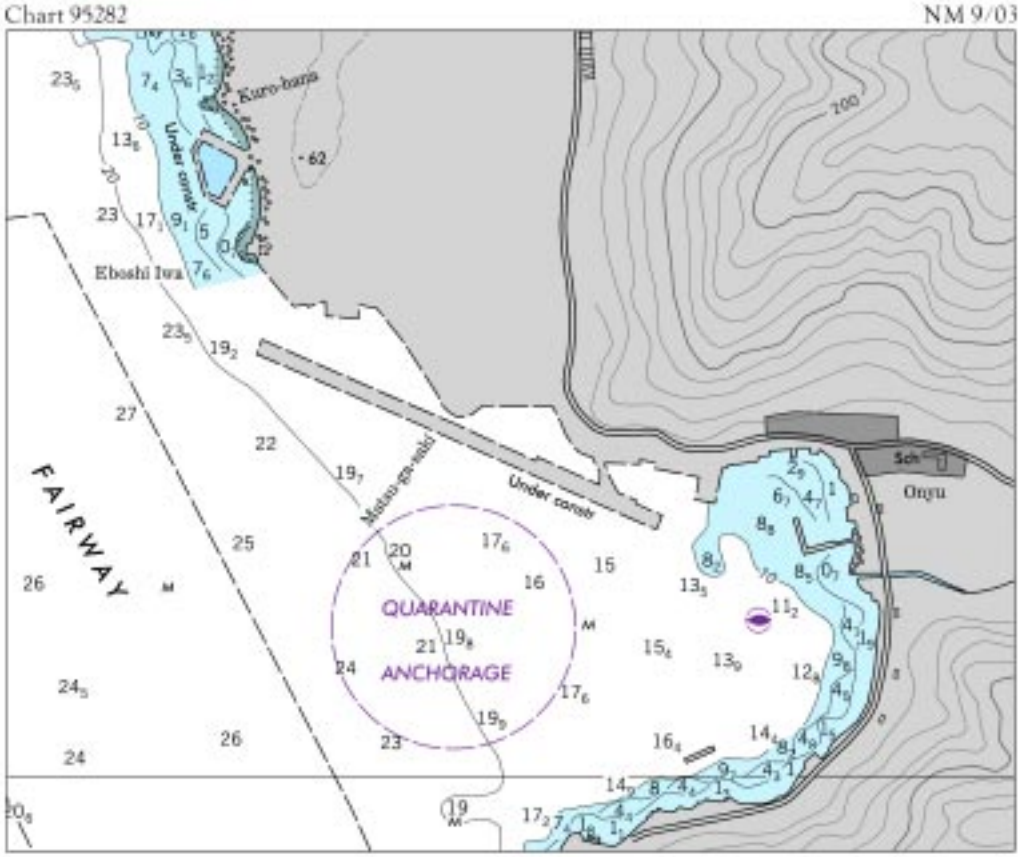
Chart 95282
NM 9/03
Kuro-hana
Under constr
Eboshi Iwa
FAIRWAY
Under constr
QUARANTINE
ANCHORAGE
Onyu

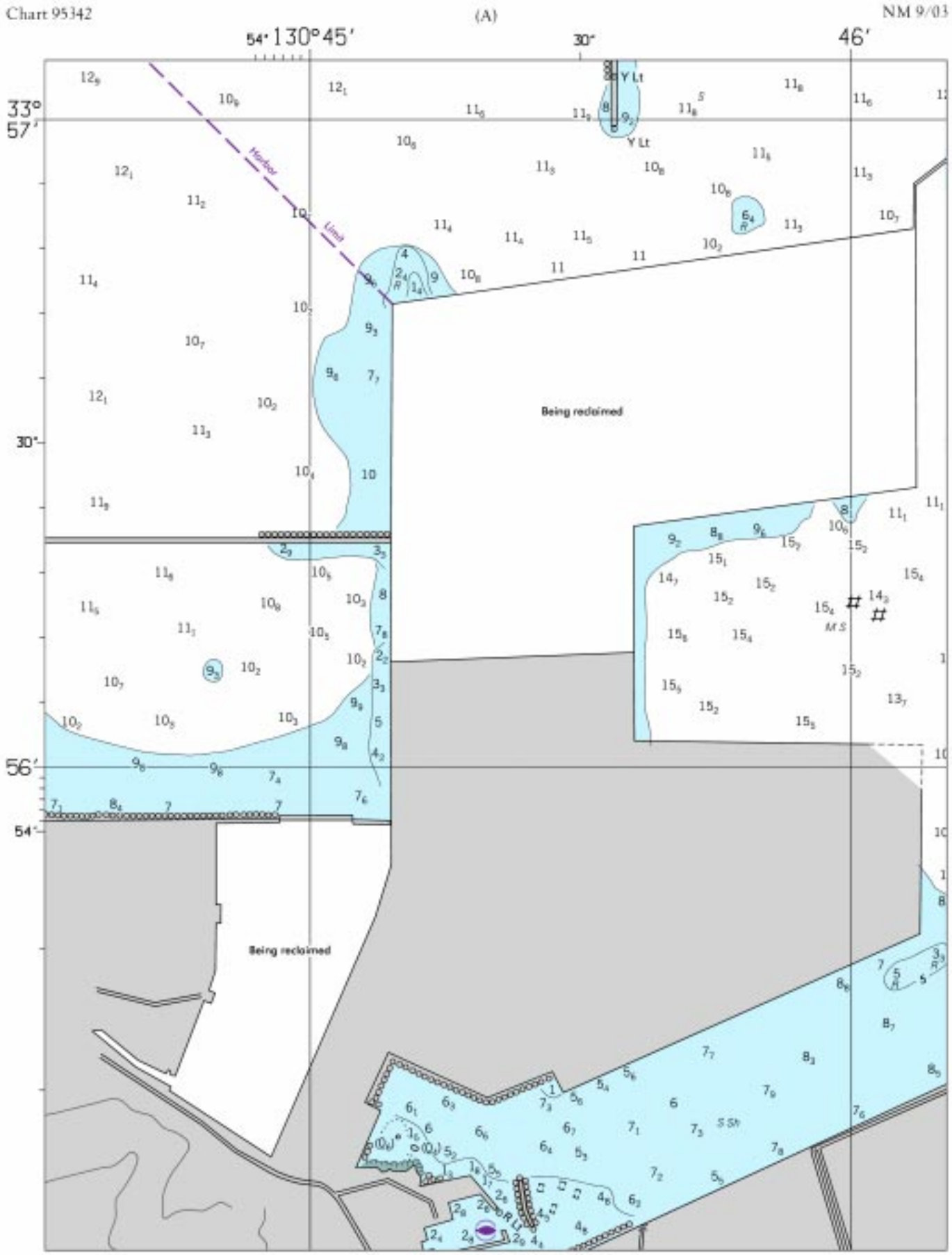
Chart 95342
(A)
NM 9/03
54° 130° 45′
30°
46′
33°
57′
30°
56′
54°
Harbor
Limit
Y Lt
Y Lt
Being reclaimed
Being reclaimed

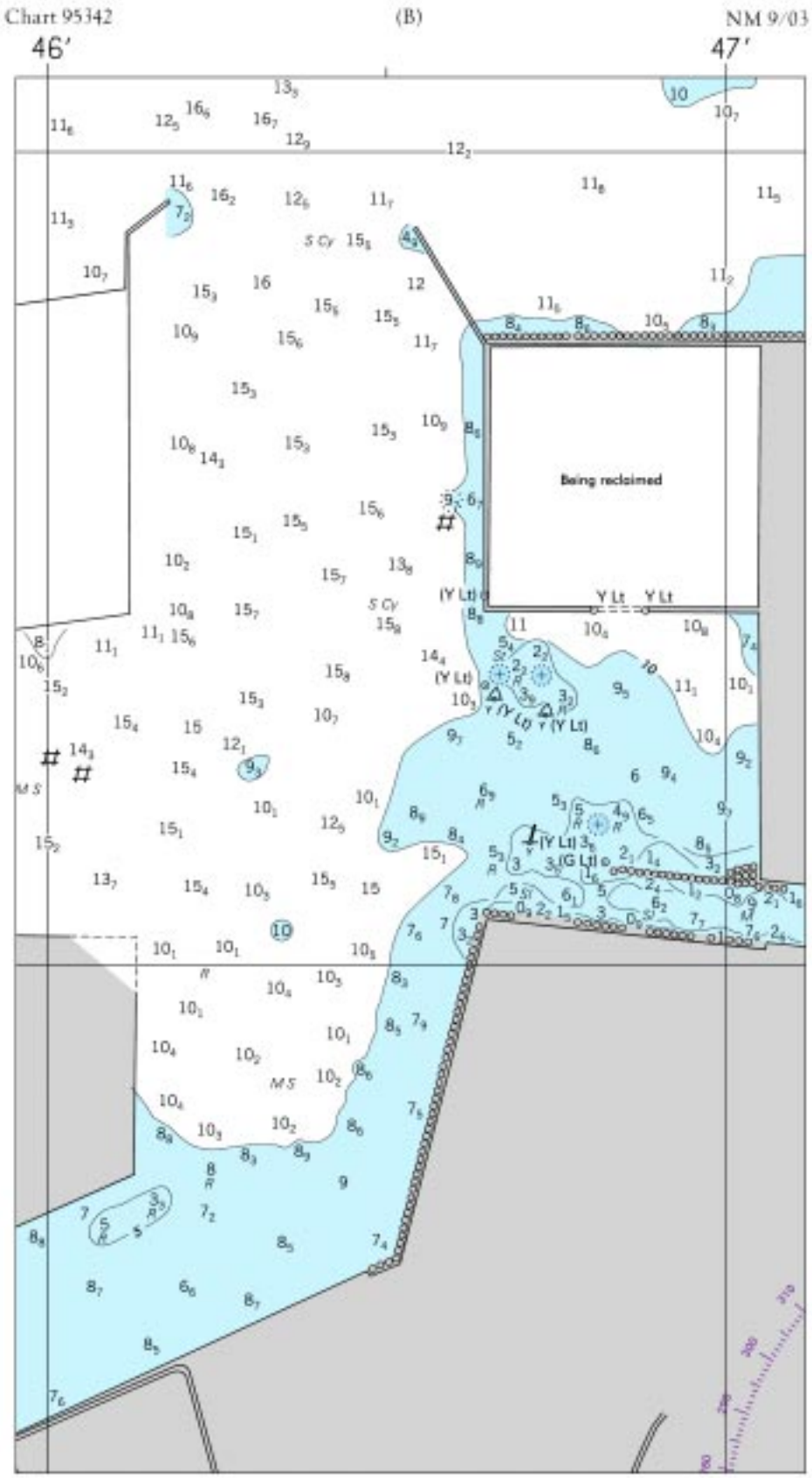
Chart 95342
(B)
NM 9/03
46′
47′
Being reclaimed
Y Lt
Y Lt
(Y Lt)
(G Lt)
S Cy
M S

Chart 11344 NM 9/03

CALCASIEU PASS AND RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2002

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	30.0	36.0	36.0	22.0	11-02	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	31.0	40.0	47.0	48.0	6-01;8-02	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	20.0	38.0	40.0	37.0	8,11-02	400	6.0	40

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

Chart 11369 NM 9/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20	31.0	37.0	25.0	600	10,12-02
THENCE TO END OF JETTY OPPOSITE LIGHT 62	32.0	35.0	30.0	500	10,11,12-02
THENCE TO INTERSECTION WITH G. I. W. W.	24.0	31.0	21.0	500	3,4,10,11,12-02
THENCE TO INNER HARBOR NAVIGATION CANAL	25.0	28.0	28.0	500	4,10-02

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

Chart 11521 NM 9/03

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2000 AND SURVEYS TO NOV 2002

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)
FORT SUMTER RANGE	44.9	47.5	47.4	45.6	5-02	1000	13.2	47
MOUNT PLEASANT RANGE	45.7	46.6	46.9	47.7	11-02	1000-600	1.6	45

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

Chart 11523 NM 9/03

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2000 AND SURVEYS TO NOV 2002

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)
FORT SUMTER RANGE	44.9	47.5	47.4	45.6	5-02	1000	13.2	47
MOUNT PLEASANT RANGE	45.7	46.6	46.9	47.7	11-02	1000-600	1.6	45
REBELLION REACH	47.2	47.8	47.2	47.8	11-02	600	1.4	45

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

Chart 18502 NM 9/03

GRAYS HARBOR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF NOV 2002 AND SURVEYS TO SEP 2002

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)
BAR CHANNEL	44.8	45.8	46.0	2-02	1000	4.6	46
ENTRANCE RANGE	32.1	34.4	36.5	2-02	900-600	1.8	42
PT CHEHALIS REACH	33.8	35.1	36.9	2-02	600	1.2	40
SOUTH REACH	34.8	38.2	35.5	1-02 ; 9-02	600-350	4.1	36
CROSSOVER CHANNEL	30.8	36.2	31.4	5-02 ; 9-02	350-450	2.5	36
NORTH CHANNEL	35.2	36.9	32.2	5-02	450-350	2.4	36
HOQUIAM REACH	34.5	37.6	32.8	5-02	350	1.9	36
COW POINT REACH	35.8	36.1	34.5	5-02	350-900	1.8	36
ABERDEEN REACH	27.8	29.8	29.0	10-01; 2-02	550-200	2.6	30
TURNING BASIN	32.5	32.4	24.5	1-02	200-550	.3	30
THENCE TO COSMOPOLIS	26.5	26.9	27.7	1-02	200	.8	30

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

Chart 18531 (Lower Panel) NM 9/03

COLUMBIA RIVER CHANNEL DEPTHS
TOMAHAWK BAR TO BONNEVILLE LOCKS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2002

* SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
TOMAHAWK BAR	18	18	17	10-01	300	3.7	27
AIRPORT BAR	17	15	14	10-01	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	15	16	15	10-01	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	16	16	17	10-01	300	1.6	27
FISHER QUARRY CHANNEL RANGE	26	24	24	10-01	300	1.0	27
GOVERNMENT ISLAND RANGE	17	25	24	10-01, 10-02	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	13	16	19	10-02	300	0.8	27
LADY ISLAND RANGE	16	18	20	10-02	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	27	27	19	10-02	300	0.9	27
WASHOUGAL LOWER RANGE	20	27	28	10-02	300	1.5	27
WASHOUGAL UPPER RANGE	21	22	28	10-02	300	1.1	27
GARY ISLAND RANGE	16	16	15	10-02	300	0.9	27
REED ISLAND RANGE	17	16	14	3-01, 10-02	300	2.2	27
TUNNEL POINT CHANNEL	23	22	24	3-01	300	0.8	27
ROOSTER ROCK CHANNEL	23	21	21	3-01	300	1.2	27
CAPE HORN CHANNEL	29	29	28	3-01	300	2.4	27
CANDIANA CHANNEL	31	27	26	3-01, 10-02	300	1.0	27
FASHION REEF LOWER RANGE	14	19	19	10-02	300	2.2	27
MULTNOMAH FALLS BAR RANGE	12	23	26	10-02	300	1.3	27
MULTNOMAH FALLS TURN	12	17	21	3-01, 10-02	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	19	20	26	3-01	300	3.2	27
MCGOWANS CHANNEL	38	29	26	3-01	300	1.1	27
WARRENDALE LOWER RANGE	22	22	19	3-01	300	0.9	27
WARRENDALE UPPER RANGE	25	27	19	3-01	300	0.8	27
HAMILTON ISLAND REACH	28	28	25	3-01	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	24	32	26	3-01	300	0.6	27

* CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM AND MAINTAINED TO 15 FEET. PROJECT LENGTHS ARE IN STATUTE MILES.

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

Chart 18587 NM 9/03

COOS BAY AND ISTHMUS SLOUGH CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE COPRS OF ENGINEERS - SURVEYS TO NOV 2002

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 RANGE	38	38	39	10-02	---	1.9	47-37
ENTRANCE RANGE AND TURN	41	45	32	9-02	300-1050	0.5	37
INSIDE RANGE	39	39	38	9-02	300	0.6	37
COOS BAY RANGE	35	37	37	7,9,11-02	300	1.6	37
EMPIRE RANGE	36	37	38	11-02	300	1.3	37
LOWER JARVIS RANGE	37	36	34	11-02	300	0.8	37
JARVIS TURN	36	38	37	11-02	300	0.5	37
UPPER JARVIS RANGE	33	35	34	11-02	300-700	1.9	37
NORTH BEND LOWER RANGE	38	38	37	11-02	400	0.4	37
NORTH BEND RANGE	35	37	36	10-02	400	0.9	37
NORTH BEND UPPER RANGE	37	38	37	10-02	400	0.6	37
LOWER TURNING BASIN	35	38	38	10-02	400-900	0.3	37
FERNDALE LOWER RANGE	39	39	39	10-02	400	0.4	37
FERNDALE TURN	39	38	38	10-02	400	0.2	37
FERNDALE UPPER RANGE	36	38	37	10-02	400	0.7	37
MARSHFIELD RANGE	38	36	38	10-02	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	37	37	36	10-02	150-750	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22

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