Chart 44310 (Plan) (A) NM 42/02

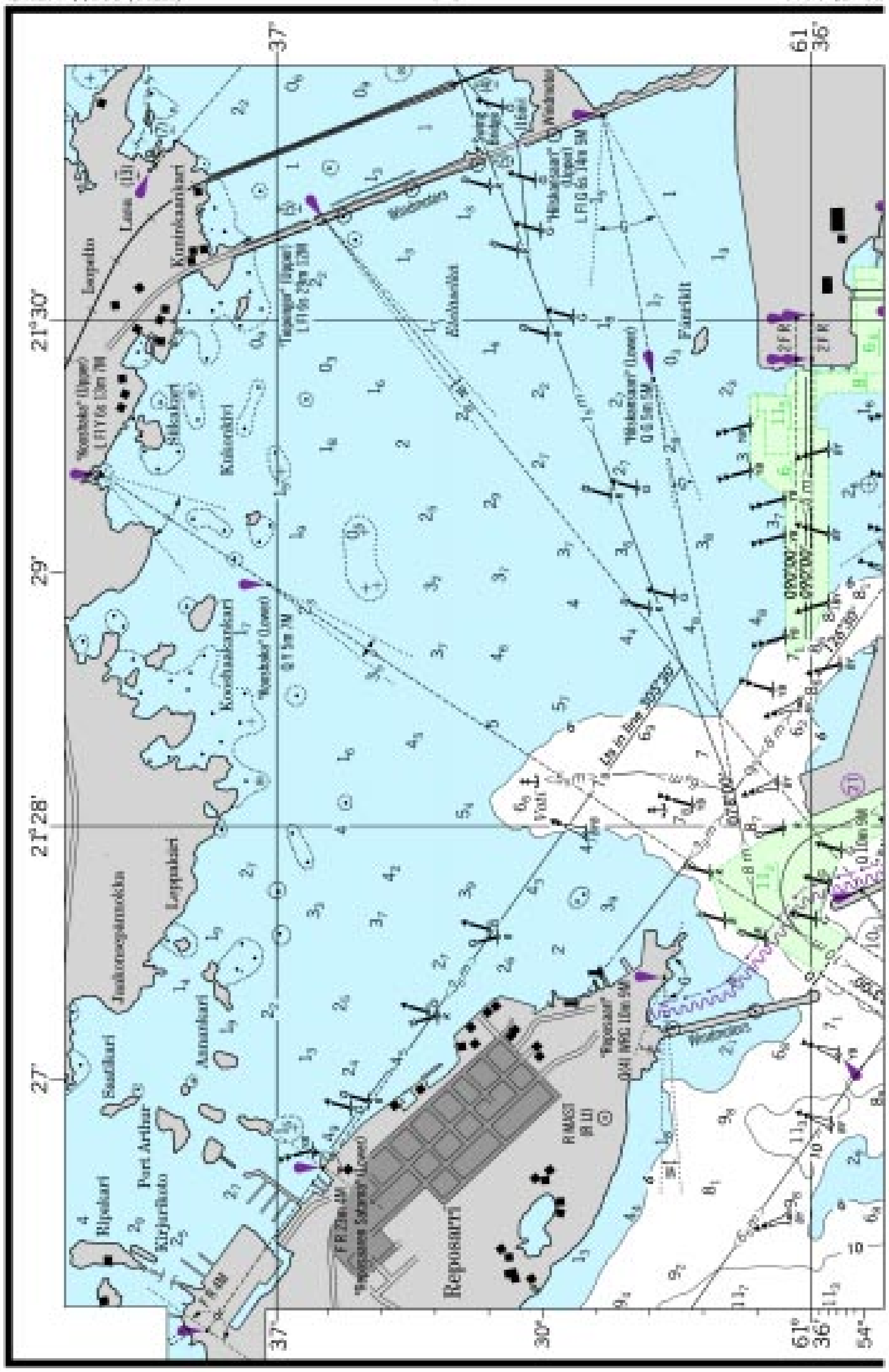

Chart 44310 (Plan) (B) NM 42/02

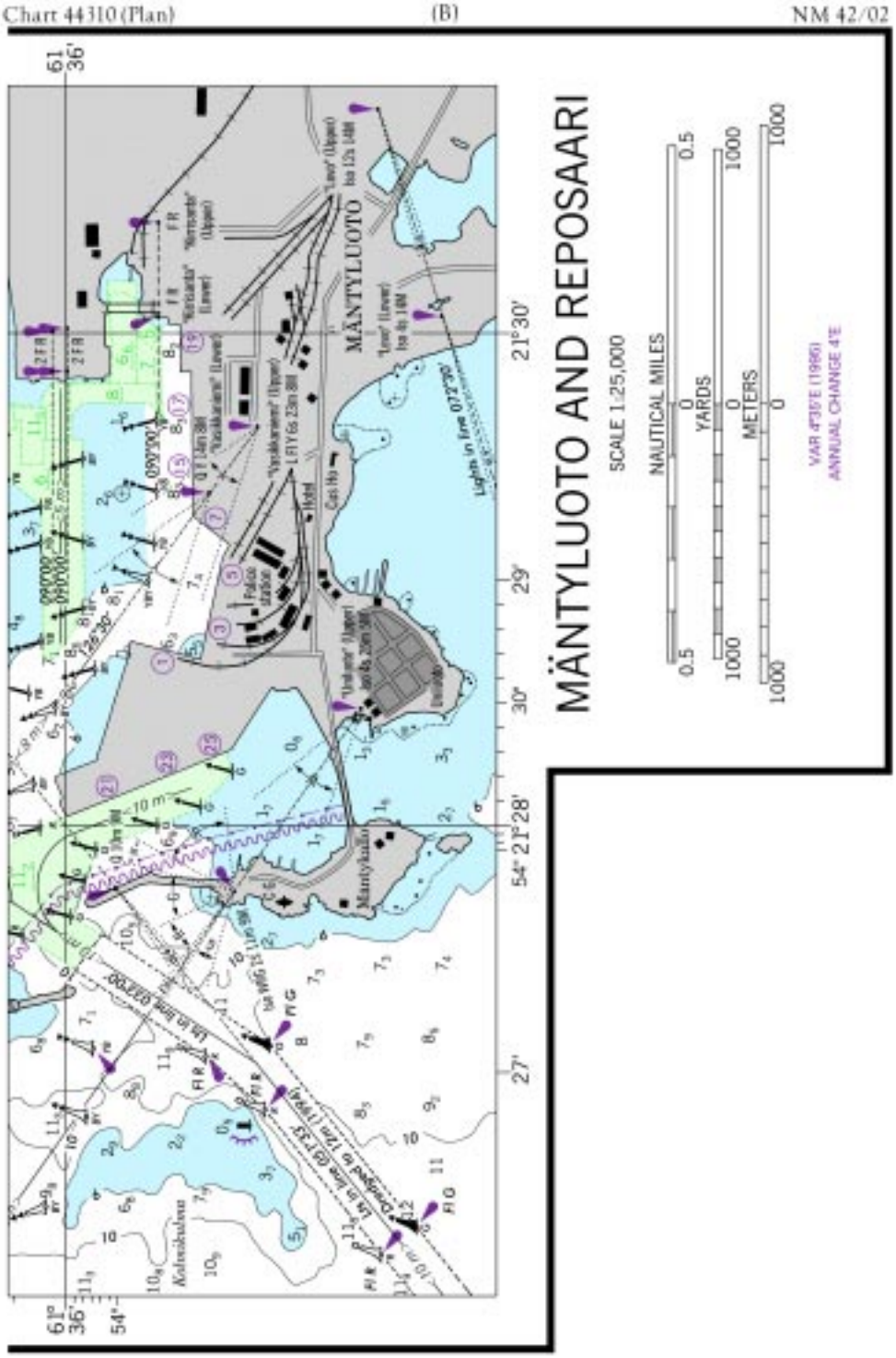

Chart 11347 (Side A) NM 42/02

CALCASIEU PASS AND RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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	28.0	40.0	39.0	27.0	1-02;7-02	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	31.0	44.0	47.0	48.0	6-01	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	22.0	38.0	40.0	36.0	7-01;9-01;10-01	400	6.0	40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	35.0	40.0	41.0	36.0	1-02	400	6.0	40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	37.0	40.0	40.0	37.0	1-02	400	6.0	40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	34.0	38.0	39.0	33.0	7-01;1-02	400	5.0	40
THENCE TO 210 BRIDGE	35.0	39.0	36.0	35.0	2-02	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	30.0	39.0	39.0	34.0	2-02	400	2.0	40

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

Chart 11347 (Side B) NM 42/02

CALCASIEU PASS AND RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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	28.0	40.0	39.0	27.0	1-02;7-02	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	31.0	44.0	47.0	48.0	6-01	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	22.0	38.0	40.0	36.0	7-01;9-01;10-01	400	6.0	40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	35.0	40.0	41.0	36.0	1-02	400	6.0	40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	37.0	40.0	40.0	37.0	1-02	400	6.0	40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	34.0	38.0	39.0	33.0	7-01;1-02	400	5.0	40
THENCE TO 210 BRIDGE	35.0	39.0	36.0	35.0	2-02	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	30.0	39.0	39.0	34.0	2-02	400	2.0	40

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

Chart 11468 NM 42/02

MIAMI HARBOR CHANNEL
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2002
AND SURVEYS TO MAR 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)
OUTER BAR CUT	38.4	44.5	43.9	44.1	3-02	500	1.5	44
WIDENER A	44.9	44.7	43.9	41.8	3-02	0-600	0.55	44
BAR CUT	44.1	44.0	39.3	34.9	3-02	500	0.73	44
GOVERNMENT CUT	41.9	42.0	42.0	41.9 B	3-02	500	1.0	42
MAIN CHANNEL	36.3	37.0	36.7	35.2	3-02	400	2.44	36
FISHERMANS CHANNEL C								
LUMMUS ISLAND CUT	30.1	30.0	32.4	30.8	3-02	400-750	0.95	36
LUMMUS ISLAND TURNING BASIN D	20.5 E	30.0	30.3	29.6	3-02	400-2000	0.60	36
DODGE ISLAND CUT	34.3	33.7	34.8	33.8	3-02	400-900	0.70	35

A. WIDENER LOCATED AT THE JUNCTION OF OUTER BAR CUT AND BAR CUT REACH.
B. SHOALING TO 19 FT BETWEEN 25°45'59" N 80°08'17" W AND 25°46'00" N 80°08'22" W. SHOALING EXTENDS 100 FT INTO CHANNEL
C. NOT A CORPS OF ENGINEERS PROJECT. CONSULT PORT OF MIAMI FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION (305)371-7678
D. SHOALING TO 11 FT, 100' FROM WEST END OF TURNING BASIN BETWEEN 25°46'07.8" N 80°10'12.8" W AND 25°45'56.5" N 80°10'11.4" W
E. SHOALING TO 6' AT 25°45'54.3" N, 80°09'50.0" W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11537 NM 42/02

CAPE FEAR RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 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)
BALDHEAD SHOAL	36.2	38.3	38.4	32.0	8,10-01; 6-02	500	5.0	40
SMITH ISLAND	45.2	45.5	45.4	40.1	6-02	500	1.0	40
BALDHEAD CASWELL CHANNEL	44.8	45.2	44.2	44.4	2-02	500	0.4	40
SOUTHPORT CHANNEL	43.5	45.1	44.9	44.1	1-02	500	1.0	40
BATTERY ISLAND CHANNEL	45.1	44.2	44.7	44.1	2-02	500	0.5	40
LOWER SWASH	41.5	42.2	41.5	41.3	5-02	400	1.6	38
SNOWS MARSH	41.3	42.0	41.6	39.5	5-02	400	3.1	38
HORSESHOE SHOAL	40.4	42.7	42.2	40.8	5-02	400	1.2	38
REAVES POINT	35.8	37.8	37.2	35.5	3-02	400	1.2	38
LOWER MIDNIGHT	35.5	38.4	38.6	34.0	3-02	400	1.6	38
UPPER MIDNIGHT	36.7	37.6	38.3	36.2	3-02	400	2.7	38
LOWER LILLIPUT	37.1	36.8	36.9	35.3	3-02	400	1.9	38
UPPER LILLIPUT	35.7	37.1	37.0	35.8	3-02	400	1.9	38
KEG ISLAND	37.5	39.0	37.4	34.7	3-02	400	1.4	38
BIG ISLAND LOWER	39.7	42.4	43.6	43.1	3-02	400	0.8	38
BIG ISLAND UPPER	41.1	42.9	43.5	37.5	3-02	400	0.5	38
LOWER BRUNSWICK	37.7	38.3	38.9	37.8	4-02	400	1.6	38
UPPER BRUNSWICK	34.1	39.7	39.7	36.8	4-02	400	1.0	38
FOURTH EAST JETTY	36.7	38.6	39.0	36.5	4-02	400	1.2	38
BETWEEN CHANNEL	32.2	39.7	39.1	36.2	4-02	550	0.8	38
ANCHORAGE BASIN & APP CHANNEL	29.8	35.9	35.9	32.2	4-02	450-1090	1.3	38
HWY 74-76 TO BATTLESHIP	27.1	32.7	35.5	24.3	4-02	400	0.6	32
BATTLESHIP TO HWY 117 INCLUDING TURNING BASIN	10.8	29.6	31.1	24.7	4-02	190-850	-	32
HWY 117 TO HILTON BR	26.7	30.4	31.0	30.7	4-02	200-400	0.5	32
THENCE TO END OF PROJECT AT 34°16'36"N, 77°57'01"W	23.1	23.6A	23.5B	21.9C	6-99	200	1.2	25
TURNING BASIN	24.6	21.0	22.2	16.1	6-99	500	0.1	25

A. EXCEPT FOR SHOALING TO 21.4 FEET FOR THE LAST 150 FEET OF THE PROJECT.
B. EXCEPT FOR SHOALING TO 16.4 FEET FOR THE LAST 150 FEET OF THE PROJECT.
C. EXCEPT FOR SHOALING TO 10.2 FEET FOR THE LAST 150 FEET OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12311 NM 42/02

CHRISTINA RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002
AND SURVEYS TO AUG 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	33.4	33.9	32.0	8-02	500-340	0.70	38
THENCE TO THE LOBDELL CANAL TURNING BASIN	32.3	28.9	30.1	7-02	400	0.33	35
(OPPOSITE TERMINAL WHARF)	32.1	31.1	30.5	7-02	320	0.34	38

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

Chart 12312 NM 42/02

CHRISTINA RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002
AND SURVEYS TO AUG 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	33.4	33.9	32.0	8-02	500-340	0.70	38
THENCE TO THE LOBDELL CANAL TURNING BASIN	32.3	28.9	30.1	7-02	400	0.33	35
(OPPOSITE TERMINAL WHARF)	32.1	31.1	30.5	7-02	320	0.34	38

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

Chart 18502 NM 42/02

GRAYS HARBOR
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2002
AND SURVEYS TO MAY 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	35.0	38.2	33.2	1-02	600-350	4.1	36
CROSSOVER CHANNEL	32.2	36.3	31.4	5-02	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 18581 NM 42/02

YAQUINA BAY AND RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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)
CHANNEL ENTRANCE 44°36'23"N, 124°05'24"W TO FIRST TURN	24	29	26	7-02	400-300	1.3	40-30
THENCE TO TURNING BASIN	28	28	25	4,7-02	300-400	1.3	30
TURNING BASIN	18	23	24	4-02	300-1200	0.3	30
THENCE TO YAQUINA	13	12	12	6-00	200	1.6	18
THENCE TO END OF PROJECT	2A	07	5B	7-98;7-00;11-00	150	9.7	10

A. SHOAL TO BARE AT 44°36'57.89"N, 123°56'34.87"W.
B. SHOAL TO BARE FROM 44°36'49.6"N, 123°56'55.4"W TO 44°36'57.3"N, 123°56'42.7"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18583 NM 42/02

SIUSLAW RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2002 AND SURVEYS TO JUL 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 TO HIGHWAY BRIDGE	9	10	11	3-02; 7-02	300-200	5.0	18-16
TURNING BASIN	10	8	6	3-02	400	0.3	16
TURNING BASIN TO CUSHMAN	8	9	9	7-99;3-02	150	2.1	12

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

Chart 18587 NM 42/02

COOS BAY AND ISTHMUS SLOUGH CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JULY 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	39	38	38	5-02	---	1.9	47-37
ENTRANCE RANGE AND TURN	41	45	28	7-02	300-1050	0.5	37
INSIDE RANGE	39	38	37	7-02	300	0.6	37
COOS BAY RANGE	35	37	36	7-02	300	1.6	37
EMPIRE RANGE	36	37	38	7-02	300	1.3	37
LOWER JARVIS RANGE	36	37	34	7-02	300	0.8	37
JARVIS TURN	36	35	36	7-02	300	0.5	37
UPPER JARVIS RANGE	33	36	36	7-02	300-700	1.9	37
NORTH BEND LOWER RANGE	37	39	37	7-02	400	0.4	37
NORTH BEND RANGE	34	36	36	7-02	400	0.9	37
NORTH BEND UPPER RANGE	36	37	36	7-02	400	0.6	37
LOWER TURNING BASIN	32	37	34	7-02	400-900	0.3	37
FERNDALE LOWER RANGE	38	39	38	7-02	400	0.4	37
FERNDALE TURN	34	38	37	7-02	400	0.2	37
FERNDALE UPPER RANGE	31	36	36	7-02	400	0.7	37
MARSHFIELD RANGE	36	37	35	7-02	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	33	34	36	7-02	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