Chart 97465
NM 38/01
Gusi
Tomigusu
Senaga-jima
Yone
Nishi-zaki
Okaha-iwa
Itoman-kō
Ezina-shima
Nasiro
Kiyan

Chart 11389 NM 38/01

PORT ST. JOE AND PANAMA CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2001

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)
PORT ST. JOE HARBOR							
ENTRANCE CHANNEL	24.8	28.0	21.0	4-00, 6-01	300-500	8.0	35-37
NORTH CHANNEL	27.3	27.8	27.8	4-00	300	4.1	35
TURNING BASIN	25.9	26.3	27.1	4-00	650	0.3	32
HARBOR CHANNEL	26.2	25.5	25.7	4-00	250	0.3	35
SOUTH CHANNEL		A			200	1.1	27
PANAMA CITY HARBOR							
ENTRANCE CHANNEL	32.0	30.3	26.3	4-01	450-300	2.1	34-32

A. NOT MAINTAINED

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

Chart 11393 (Side A) NM 38/01

PORT ST. JOE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2001

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)
PORT ST. JOE HARBOR							
ENTRANCE CHANNEL	24.8	28.0	21.0	4-00, 6-01	300-500	8.0	35-37
NORTH CHANNEL	27.3	27.8	27.8	4-00	300	4.1	35
TURNING BASIN	25.9	26.3	27.1	4-00	650	0.3	32
HARBOR CHANNEL	26.2	25.5	25.7	4-00	250	0.3	35
SOUTH CHANNEL		A			200	1.1	27

A. NOT MAINTAINED.

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

Chart 11393 (Side B) NM 38/01

PORT ST. JOE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2001

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)
PORT ST. JOE HARBOR							
ENTRANCE CHANNEL	24.8	28.0	21.0	4-00, 6-01	300-500	8.0	35-37
NORTH CHANNEL	27.3	27.8	27.8	4-00	300	4.1	35
TURNING BASIN	25.9	26.3	27.1	4-00	650	0.3	32
HARBOR CHANNEL	26.2	25.5	25.7	4-00	250	0.3	35
SOUTH CHANNEL		A			200	1.1	27

A. NOT MAINTAINED.

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

Chart 11516 NM 38/01

PORT ROYAL SOUND AND BEAUFORT RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 1999 AND SURVEYS TO APR 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)
ENTRANCE CHANNEL	25.9	26.6	26.2	17.2	4-01	500	4.2	27
BAYPOINT REACH	26.9	27.0	28.3	27.4	4-01	500	6.3	27
FORT FREMONT REACH	25.0	25.2	24.4	24.2	3-84, 4-01	300	3.3	24
COWEN REACH	25.3	25.8	25.6	23.0	4-01	300	1.8	24
CAT ISLAND REACH	25.2	25.4	25.8	25.2	4-01	300	1.4	24
PORT ROYAL REACH	23.1	25.2	25.5	24.7	4-01	300	0.98	24
TURNING BASIN	25.0	25.3	26.2	24.5	4-01	600	0.2	27

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

Chart 18502 NM 38/01

GRAYS HARBOR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 1999 AND SURVEYS TO FEB 2001

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	44.7	45.0	46.3	6-95,9-96,6-00,2-01	1000	4.6	46
ENTRANCE RANGE	31.1	37.3	33.7	4-00,6-00,2-01	900-600	1.8	42
PT CHEHALIS REACH	31.6	36.7	35.2	2-01	600	1.2	40
SOUTH REACH	34.5	37.2	34.4	1,2-01	600-350	4.1	36
CROSSOVER CHANNEL	30.8	35.6	30.8	1-01	350-450	2.5	36
NORTH CHANNEL	35.7	38.1	32.3	1-01	450-350	2.4	36
HOQUIAM REACH	37.3	34.0	28.5	8-99	350	1.9	36
COW POINT REACH	36.0	37.1	34.7	7,8-99	350-900	1.8	36
ABERDEEN REACH	22.1	28.1	25.0	5-97;4-98;6-99	550-200	2.6	30
TURNING BASIN	32.4	31.6	26.2	5-97;6-99	200-550	.3	30
THENCE TO COSMOPOLIS	26.9	27.6	27.8	5-97;6-99	200	.8	30

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

Chart 18524 NM 38/01

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 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)
GULL I TURN AND CHANNEL	45	42	43	40	6-01	600	2.2	40
STELLA RANGE	39	40	40	38	6-01	600	2.8	40
FISHER I CHANNEL	38	43	43	40	6-01	600	0.9	40
WALKER I CHANNEL	40	44	41	39	6-01	600	1.5	40
BARLOW PT. CHANNEL	46	46	44	40	6-01	600	1.3	40
SLAUGHTERS CHANNEL	42	43	41	40	6-01	600	2.5	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	40	40	40	40	6-01	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	37	39	39	40	6-01	600	1.7	40
COTTONWOOD ISLAND TURN	42	42	42	41	6-01	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE AND TURN	40	44	44	43	6-01	600	1.6	40
KALAMA LOWER RANGE	41	43	38	37	5-01	600	1.8	40
KALAMA UPPER RANGE	40	41	41	39	5-01	600	2.2	40
BYBEE LEDGE CHANNEL	39	43	44	41	5-01	600	2.1	40
MARTIN ISLAND CHANNEL	40	39	42	39	5-01	600	2.1	40
MARTIN ISLAND RANGE	43	44	44	43	5-01	600	1.4	40
COLUMBIA CITY CHANNEL	41	43	43	43	5-01	600	1.2	40
ST. HELENS RANGE	40	42	41	40	6-01	600	2.0	40
ST. HELENS TURN	46	45	43	37	6-01	600	1.7	40

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

Chart 18581 NM 38/01

YAQUINA BAY AND RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2001

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	26	31	26	5-01	400-300	1.3	40-30
THENCE TO TURNING BASIN	28	29	16	5-01	300-400	1.3	30
TURNING BASIN	17	24	24	5-01	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 18652 (Page E) NM 38/01

SUISUN BAY AND SAN JOAQUIN RIVER

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

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)
SUISUN PT. REACH	42.9	44.7	47.9	4-01	300	0.8	35
BULLS HEAD CHANNEL	31.8	30.7	31.6	4,7-01	300-350	1.2	35
EAST BULLS HEAD CHANNEL	32.8	33.6	32.8	4-01	350	1.1	35
PT. EDITH CROSSING RANGE	35.6	34.8	28.4	4-01	350	1.1	35
PRESTON PT. REACH	35.5	34.9	25.7	4-01	350	0.9	35
ROE ISLAND CHANNEL	30.9	33.2	32.3	4-01	350	1.1	35
PORT CHICAGO REACH	36.8	37.1	36.3	4-01	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	34.7	36.4	34.9	4-01	350	1.29	35
EAST REACH	34.2	36.5	35.3	4-01	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	31.8	33.3	35.4	1-01	400	1.3	35
EAST REACH	29.6	34.6	32.2	1-01	400	1.7	35
SAN JOAQUIN RIVER							
ANTIOCH REACH	32.2	33.4	30.4	4-00	400	3.3	35

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

Chart 18654 NM 38/01

PINOLE SHOAL CHANNEL DEPTHS

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

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 (38°01'33"N, 122°22'47"W) TO LT. 11	32.3	34.5	33.7	4-01	600	2.8	35
THENCE TO 38°03'31"N, 122°17'08"W	33.2	34.6	33.6	4-01	600	2.2	35

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

Chart 18656 NM 38/01

SUISUN BAY

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

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)
SUISUN PT. REACH	42.9	44.7	47.9	4-01	300	0.8	35
BULLS HEAD CHANNEL	31.8	30.7	31.6	4,7-01	300-350	1.2	35
EAST BULLS HEAD CHANNEL	32.8	33.6	32.8	4-01	350	1.1	35
PT. EDITH CROSSING RANGE	35.6	34.8	28.4	4-01	350	1.1	35
PRESTON PT. REACH	35.5	34.9	25.7	4-01	350	0.9	35
ROE ISLAND CHANNEL	30.9	33.2	32.3	4-01	350	1.1	35
PORT CHICAGO REACH	36.8	37.1	36.3	4-01	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	34.7	36.4	34.9	4-01	350	1.29	35
EAST REACH	34.2	36.5	35.3	4-01	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	31.8	33.3	35.4	1-01	400	1.3	35
EAST REACH	29.6	34.6	32.2	1-01	400	1.7	35

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

Chart 18657 NM 38/01

SUISUN BAY

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

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)
SUISUN PT. REACH	42.9	44.7	47.9	4-01	300	0.8	35
BULLS HEAD CHANNEL	31.8	30.7	31.6	4,7-01	300-350	1.2	35
EAST BULLS HEAD CHANNEL	32.8	33.6	32.8	4-01	350	1.1	35
PT. EDITH CROSSING RANGE	35.6	34.8	28.4	4-01	350	1.1	35

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