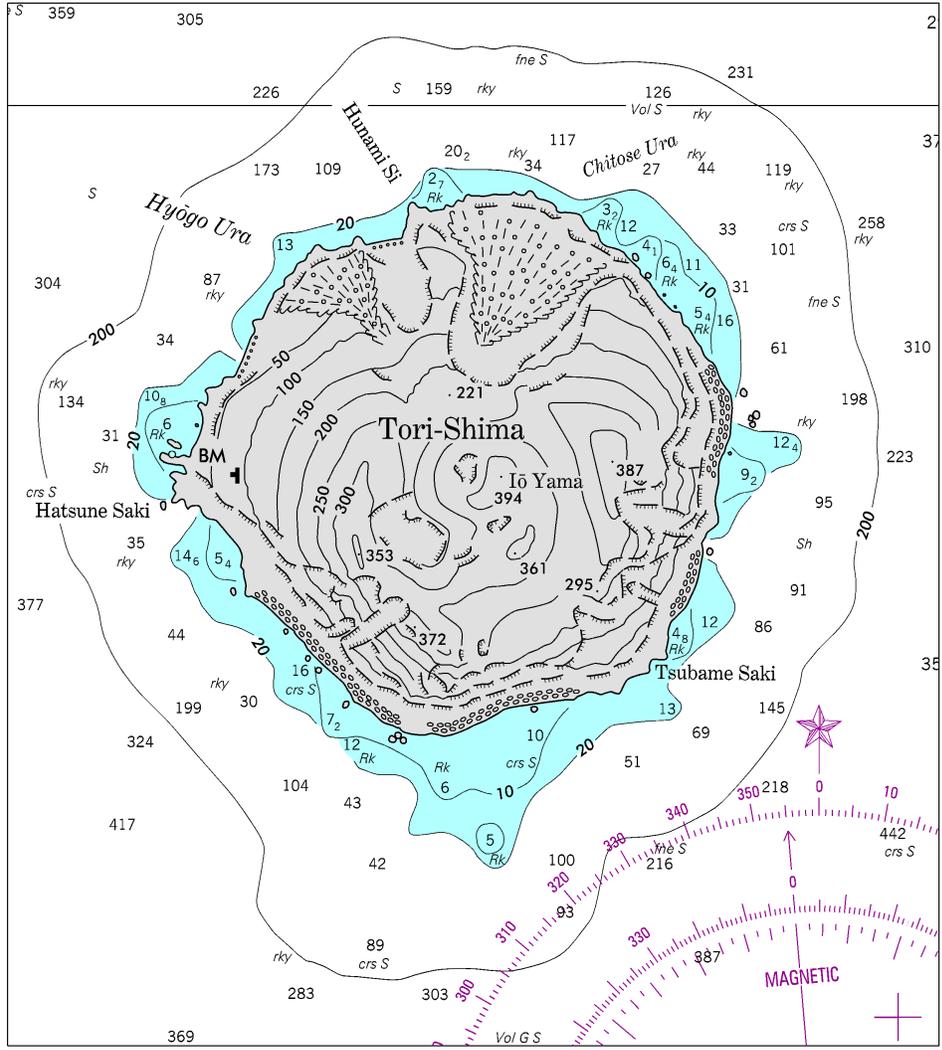


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Chart 97521 (Plan E)

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Chart 11404 (Side A)

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CARRABELLE HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 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)
CARRABELLE HARBOR ENTRANCE CHANNEL	9.5	15.3	14.7	1,8-97	150	2.3	25
HARBOR CHANNEL	17.0	15.1	11.9	3-01	150	0.6	25
TURNING BASIN	8.2	10.3	11.1	3-01	500	0.1	25
TURNING BASIN TO BRIDGE (29°50'58.8"N, 084°40'36.7"W)	6.4	10.0	7.4	3-01	100	0.6	10
BRIDGE TO 3 MILES NORTH	4.1	8.3	4.0	3-01	80	3.0	10

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

Chart 14815

NM 28/01

ROCHESTER HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS SEP 2000							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
ENTRANCE TO BEGINNING OF JETTIES	20.3	21.7	21.4	9-00	300	0.91	24
BEGINNING OF JETTIES TO END OF JETTIES	19.6	20.0	19.4	9-00	200	0.57	23
END OF JETTIES TO RR BRIDGE	12.7	19.4	16.4	9-00	200-400	0.27	23
TURNING BASIN	13.0	9.8	10.4	9-00	140-25	0.04	23
RR BRIDGE TO 200 FT N OF BUOY "2" AT 43°14'04"N 077°37'02"W	16.7	A16.8	15.7	9-00	150-225	1.44	21
200 FT N OF BUOY "2" AT 43°14'04"N 077°37'02"W TO PT AT 43°13'50"N 077°36'57"W	20.0	18.2	18.3	9-00	150-525	0.30	21
PT AT 43°13'50"N 077°36'57"W TO END OF PROJECT	11.3	12.1	11.8	9-00	150	0.51	21

A. SHOALING TO 11.4 FEET AT 43°15'11.2"N - 77°36'30.0"W

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

Chart 18525

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COLUMBIA RIVER CHANNEL DEPTHS								
SAINT HELENS TURN TO TOMAHAWK BAR								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 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)
ST. HELENS TURN	42	46	43	40	3-01	600	1.7	40
WARRIOR ROCK RANGE	39	42	42	42	3-01	600	1.3	40
DUCK CLUB TURN	42	41	42	42	3-01	600	1.4	40
HENRICI RANGE	41	41	41	41	3-01	600	2.6	40
FALES CHANNEL	42	43	41	38	3-01	600	1.1	40
KNAPP POINT CHANNEL	41	41	40	38	3-01	600	1.8	40
WILLOW LOWER RANGE	41	41	43	38	3-01	600	2.1	40
WILLOW UPPER RANGE	42	43	43	44	1-01	600	1.1	40
MORGAN TURN	42	44	46	48	2-01	600	1.0	40
MORGAN CHANNEL	46	45	46	44	2-01	600	1.5	40
VANCOUVER LOWER CHANNEL	48	49	52	43	2-01	500	1.0	40
VANCOUVER RANGE	41	40	40	39	2-01	500	1.3	40
VANCOUVER UPPER CHANNEL	41	41	40	38	2-01	500	0.9	40
VANCOUVER LOWER TURNING BASIN	34	33	39	39	1-01	800	1.0	40
VANCOUVER UPPER TURNING BASIN	30	24	26	23	1-01	800	0.9	35
TOMAHAWK BAR	11	15	17	15	3,6-00	300	3.7	27

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

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Chart 18526

NM 28/01

COLUMBIA RIVER CHANNEL DEPTHS MORGAN CHANNEL TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 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)
MORGAN CHANNEL	46	45	46	44	2-01	600	1.5	40
VANCOUVER LOWER CHANNEL	48	49	52	43	2-01	500	1.0	40
VANCOUVER RANGE	41	40	40	39	2-01	500	1.3	40
VANCOUVER UPPER CHANNEL	41	41	40	38	2-01	500	0.9	40
VANCOUVER LOWER TURNING BASIN	34	33	39	39	1-01	800	1.0	40
VANCOUVER UPPER TURNING BASIN	30	24	26	23	1-01	800	0.9	35
TOMAHAWK BAR	11	15	17	15	3,6-00	300	3.7	27

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

Chart 18649

NM 28/01

SAN FRANCISCO BAY 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	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
MAIN SHIP CHANNEL: ENTRANCE	50.6	54.2	54.2	53.7	04-01	2000	3.5	55

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

Chart 21017

NM 28/01

CAUTIONS

1. **Islas Marias serves as a prison colony. Ships should keep well clear of this group in order to avoid interception and detention by Mexican authorities.**
2. **An underwater volcano was reported to have formed about 2 miles NW of Punta Tosca in 1993. Depths of 43 fathoms were reported. Mariners are advised to use caution when transiting the area.**

Chart 21661 (Plan D)

NM 28/01

CAUTION

An underwater volcano was reported to have formed 2500 - 3000 meters NW of Punta Tosca in 1993. Depths of 43 fathoms were reported. Mariners are advised to use caution when transiting the area.