Chart 24156 (A) NM 20/12

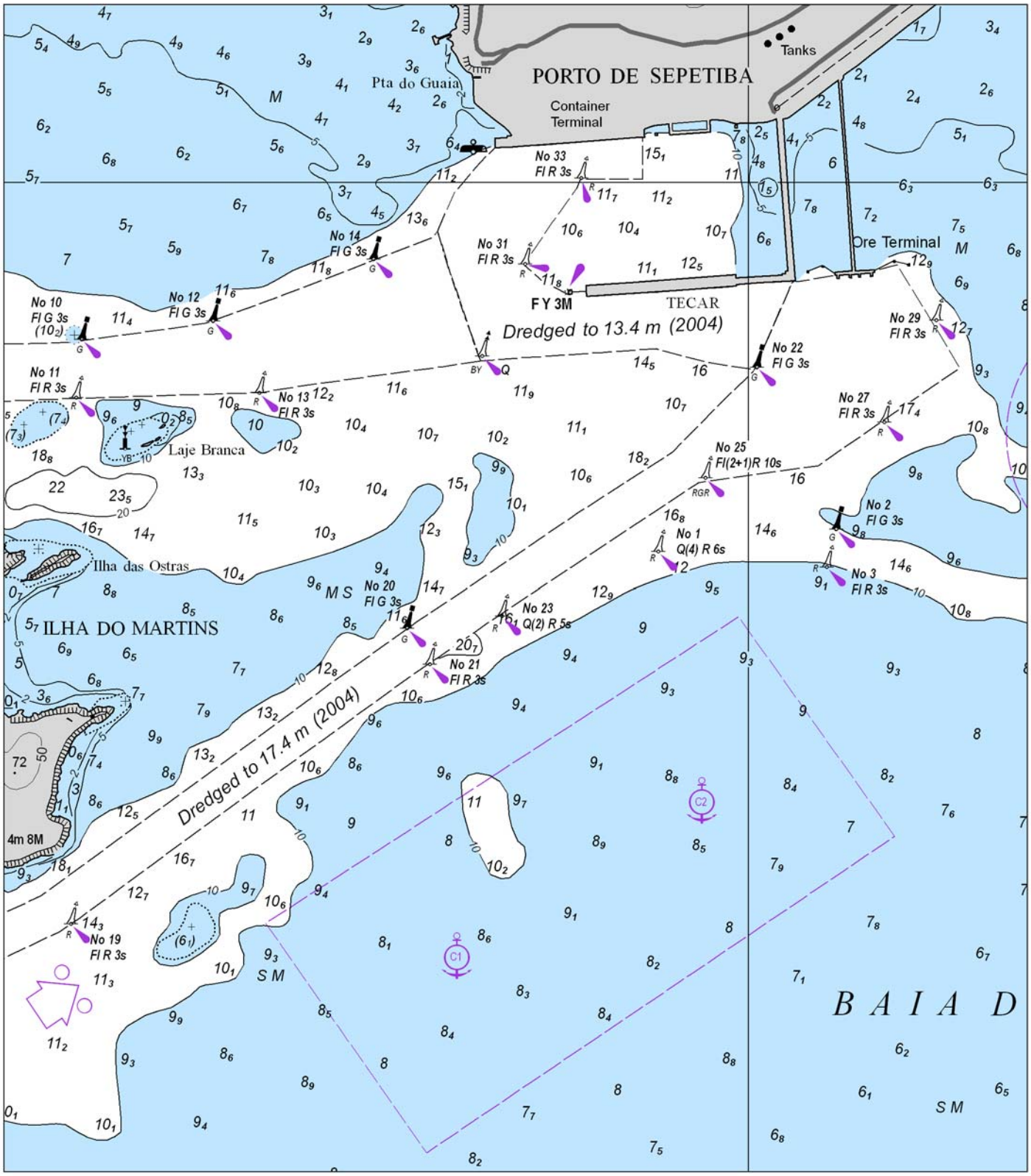

Chart 24156 (B) NM 20/12

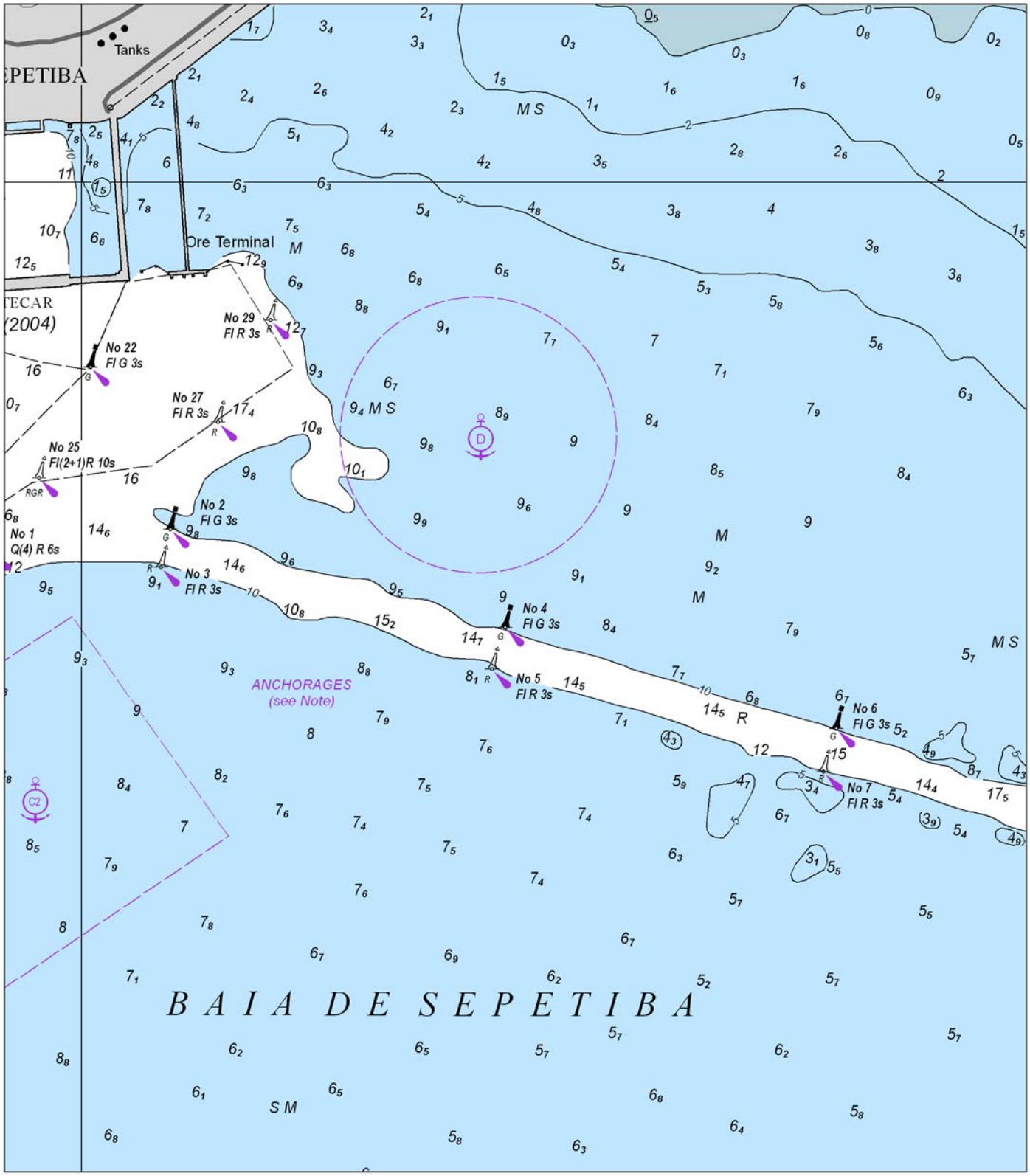

Chart 37222 (Plan) NM 20/12

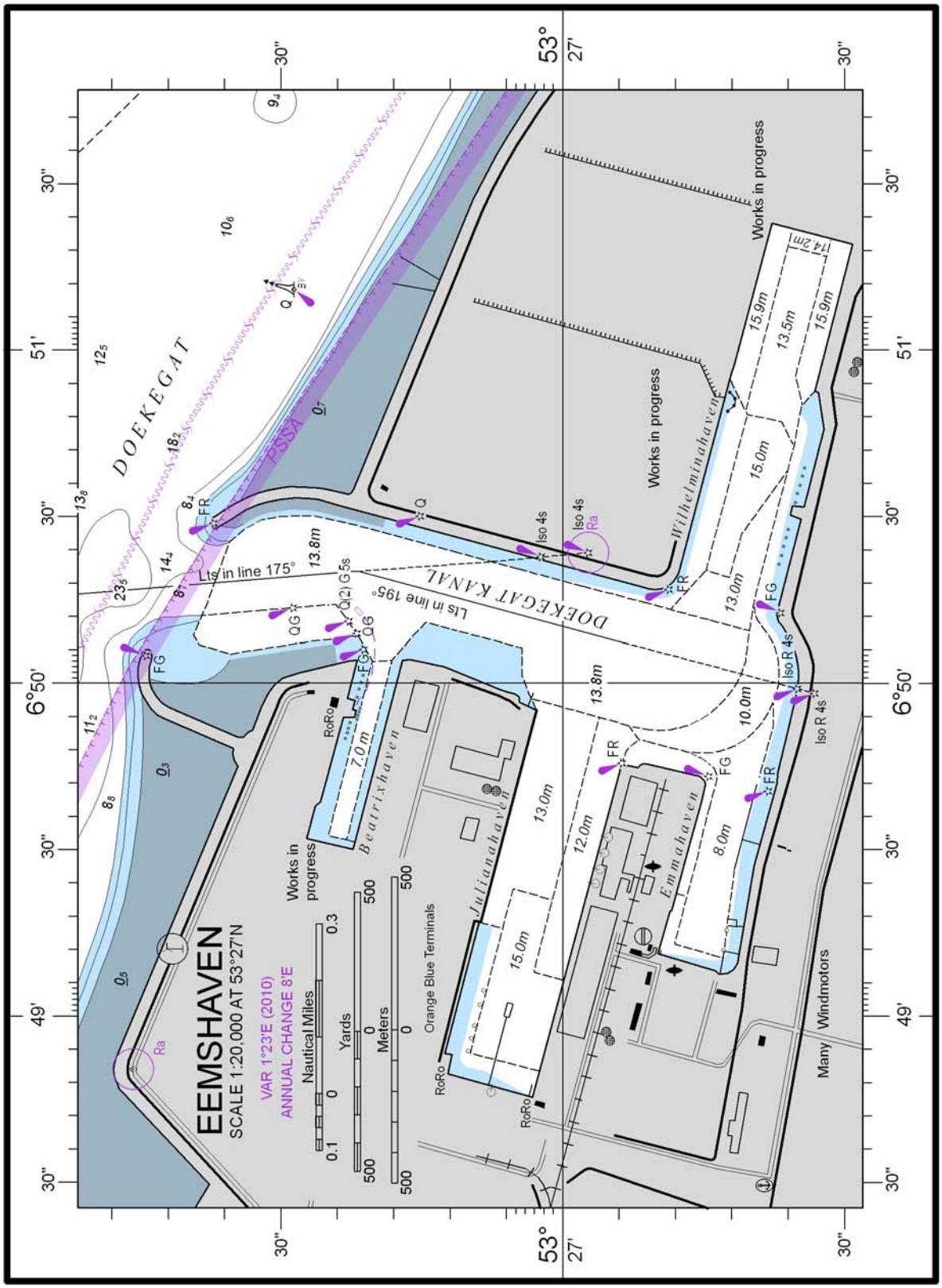

Chart 14867 (Inset Saginaw River) NM 20/12

SAGINAW RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2011

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH LWD (FEET)
ENTRANCE CHANNEL	15.9	21.7	16.9	10-03;9-04;11-10;4,5,6,8-11	350	13.70	27
THENCE TO BUOY 28	20.2	23.9	22.7	6-11	200	0.47	26
THENCE TO ESSEXVILLE TURNING BASIN	24.6	23.3	18.6	5,6-11	200	2.27	25
ESSEXVILLE TURNING BASIN	19.5	20.4	13.7	5-11	630	0.37	25-20
THENCE TO RR BRIDGE AT MILE 4.94	21.0	21.9	20.7	5-11	200	2.05	25
THENCE TO AIRPORT TURNING BASIN	18.8	21.9	18.6	6,11-10;5-11;7-11	200	3.90	22
THENCE TO BUOY 64	16.8	20.9	17.4	7-04;6,8-10;7-11	200	3.20	22
THENCE TO N 43°28'52.4" W 83°54'48.0"	18.4	21.4	19.8	6,8-10;6-11	200	2.75	22
THENCE TO 6TH ST TURNING BASIN	19.2	20.7	15.2	8-10;6,9-11	200	3.10	22
6TH ST TURNING BASIN	14.8	13.9	11.7	9-11	650	0.20	22
THENCE TO C&O RR BRIDGE	14.2	14.7	12.0	9-04;8-10	200	0.17	22
THENCE TO CARROL ST.	15.4	15.6	13.0	10-77	200	0.30	16

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

Chart 18584 NM 20/12

UMPQUA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2012 AND SURVEYS TO FEB 2012

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 (MILES)	DEPTH MLLW (FEET)
UMPQUA RIVER ENTRANCE							
ENTRANCE CHANNEL	22	25	25	2-12	—	1.2	26
UMPQUA RIVER TURN	21	25	26	2-12	200	1.3	22
SALMON HARBOR REACH	22	23	22	10-11	200	2.1	22
BARRETTS RANGE	20	20	20	10-11	200	2.0	22
MILE SIX BAR	21	21	21	3-11	200	2.2	22
CANNERY SANDS							
JCT TO LEEDS ISLAND LIGHT	15	15	14	4-11	200	1.8	22
GARDINER CHANNEL	13	12	4	4-11	200	1.2	22
TURNING BASIN	5	3	1	4-11	—	0.2	22
REEDSPORT REACH							
CHANNEL (9.65-10.8)	17	17	17	5-11	200	1.15	22
TURNING BASIN	22	25	23	5-11	600	0.2	22
CHANNEL (11.0-11.8)	13	13	8	5-11	200	0.8	22
WINCHESTER BAY							
WEST CHANNEL	10	12	12	10-11	100	0.8	16
EAST CHANNEL (0.0-0.7)	11	11	11	10-11	100	0.7	16
EAST CHANNEL (0.7-0.9)	9	5	4	10-11	75	0.2	12

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

Chart 24156 NM 20/12

ANCHORAGES

Anchorage	Maximum draft	Maximum length
A1	9.6m	up to 310m
A2	12.8m	
B1	11.3m	
B2	8.9m	
B3	11.8m	
B4	11.5m	
B5	10.9m	
C1	7.1m	
C2	7.1m	
E1	10.5m	
E2	10.4m	
D	6.5m	up to 300m
F1	11.2m	up to 270m
F2	11.2m	up to 210m