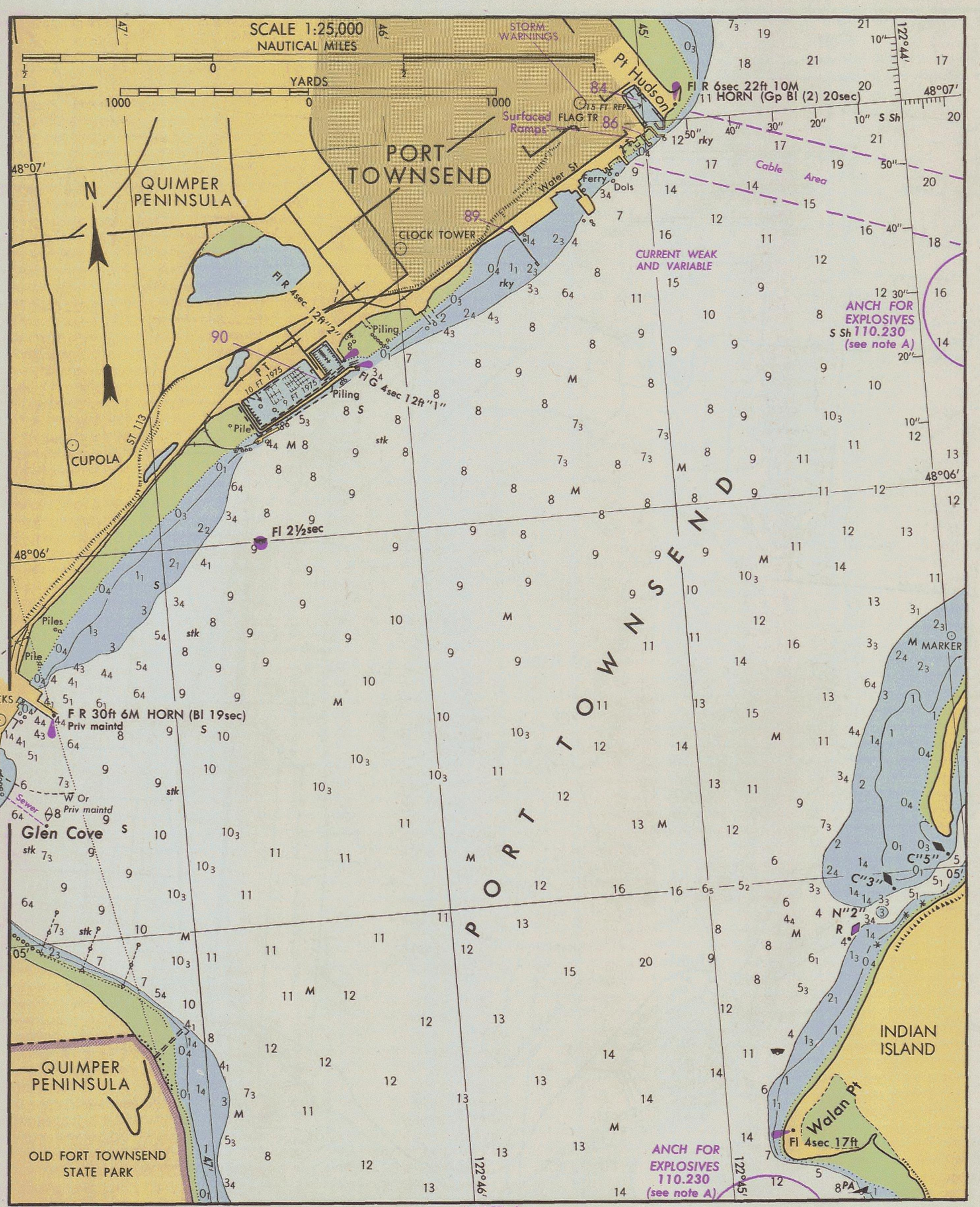
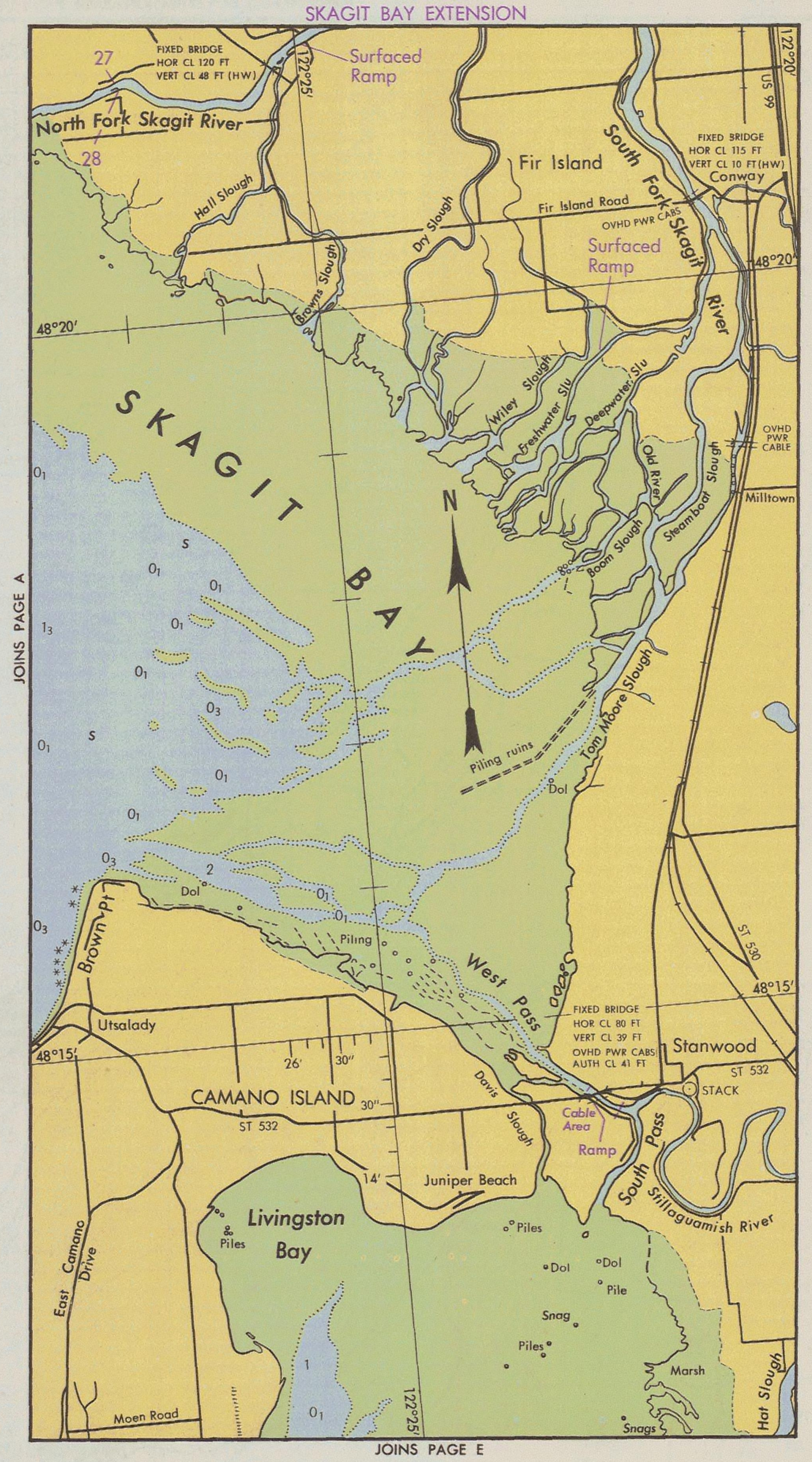
1st Edition, 1960



INSET 9

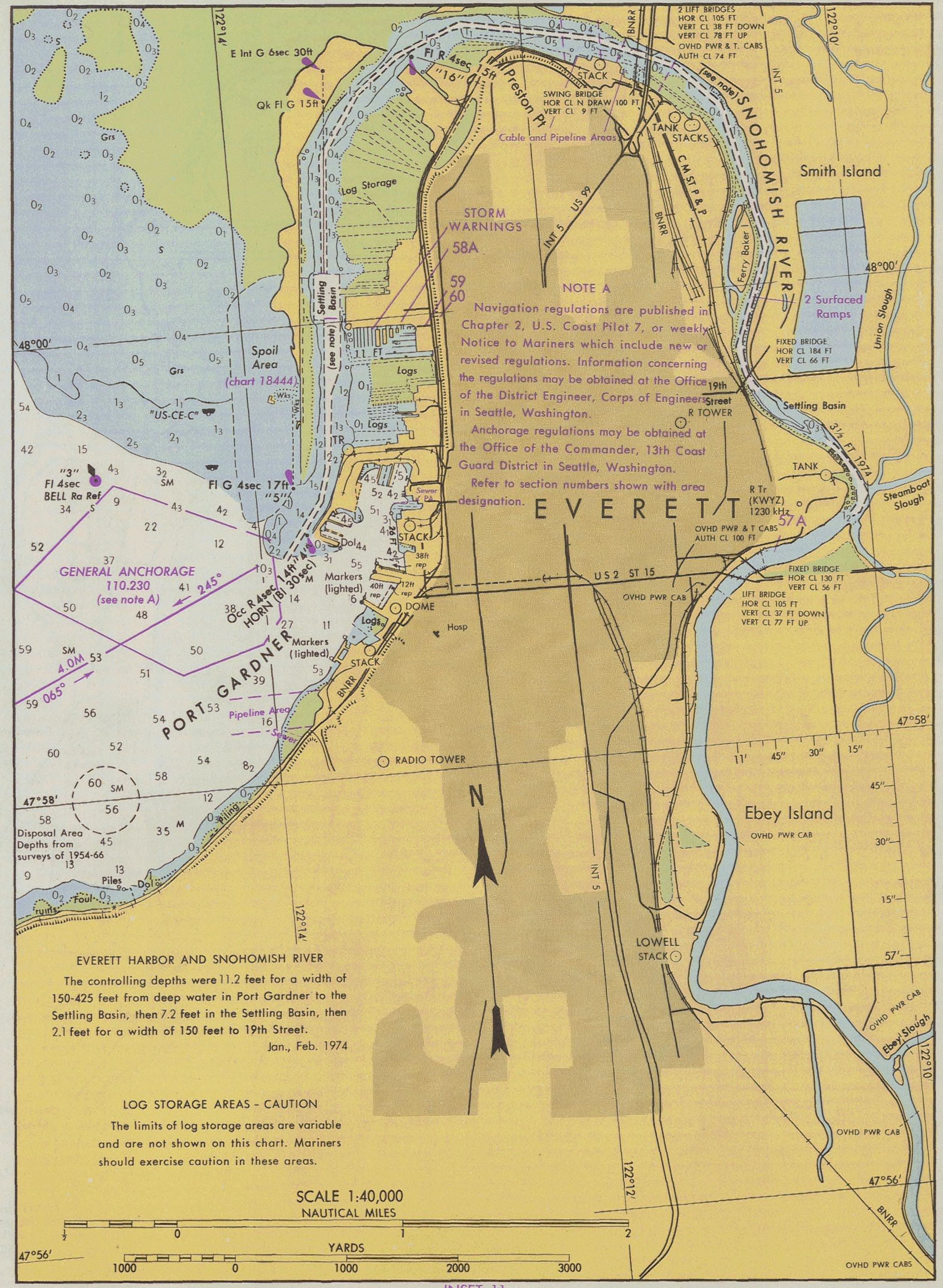


JOINS PAGE E

SCALE 1:80,000
NAUTICAL MILES
YARDS

CAUTION
Small craft should stay clear of large commercial and government vessels even if small-craft have the right-of-way.

CAUTION
All craft should avoid areas where the skin divers flag, a red square with a diagonal white stripe, is displayed.



INSET 11

DOUBLE BLUFF LIGHT

OFFICIAL U.S. COAST GUARD PHOTOGRAPH

POINT WILSON LIGHT

STORM SIGNALS — DAY SIGNALS — NIGHT SIGNALS

SMALL CRAFT ADVISORY
Winds from 18 to 33 knots
Check radio for latest marine weather forecasts.

GALE WARNING
Winds forecast from 34-47 knots.

STORM WARNING
Winds forecast from 48-63 knots.

HURRICANE WARNING
Winds forecast 64 knots and above.

WHISTLE SIGNALS

Signal given by one boat is repeated by other boat if safe, and understood.
Use whistle signals when boats are in sight of each other in the daytime by sight of the boat itself, or by night by seeing its signal lights.
When approaching a bend, sound one long blast. If answered immediately upon sighting other boat give usual passing signals.
A long blast is used as a warning signal when leaving a slip.

1 SHORT BLAST
Meeting head-on
Overtaking

2 SHORT BLASTS
Maintaining Course
Overtaking

3 SHORT BLASTS
Engine is going astern

4 OR MORE SHORT BLASTS
Danger, or first boats signal not understood, or considered dangerous.

PORT TOWNSEND, WASH., 1976-1977

Predicted times and heights of high and low water - Pacific Standard Time. For Daylight Saving Time, add 1 hour.
To predict local tide, apply the time difference listed in the facility tabulation to these tide predictions.

MAY 1976

DAY	TIME H.M.	HT. FT.	DAY	TIME H.M.	HT. FT.
1 SA	0358 1107 1858 2326	7.1 -0.7 7.7 5.7	16 SU	0421 1136 1933	7.8 -2.2 8.8
2 SU	0420 1142 1943	7.0 -0.8 7.8	17 M	0022 0509 1222 2025	5.9 7.2 -1.6 8.7
3 M	0012 0432 1222 2032	5.8 6.9 -0.7 7.8	18 TU	0133 0601 1308 2114	5.8 6.6 -0.7 8.6
4 TU	0103 0443 1304 2117	5.9 6.7 -0.5 7.9	19 W	0323 0707 1354 2159	5.4 5.8 0.2 8.4
5 W	0203 0512 1353 2159	5.8 6.3 -0.2 7.9	20 TH	0523 0830 1442 2240	4.6 5.2 1.2 8.3
6 TH	0309 0611 1442 2241	5.5 5.8 0.4 8.0	21 F	0615 1009 1531 2318	3.7 4.8 2.2 8.1
7 F	0420 0909 1539 2320	4.8 5.4 1.0 8.1	22 SA	0650 1151 1626 2351	2.9 5.0 3.1 8.0
8 SA	0522 1052 1636 2355	3.8 5.4 1.8 8.2	23 SU	0721 1321 1722	2.1 5.4 3.9
9 SU	0618 1226 1739	2.5 5.8 2.6	24 M	0023 0746 1429 1821	7.9 1.3 6.0 4.6
10 M	0029 0706 1346 1842	8.3 1.2 6.5 3.4	25 TU	0053 0809 1521 1916	7.8 0.6 6.6 5.2
11 TU	0105 0749 1457 1940	8.4 -0.1 7.3 4.2	26 W	0122 0833 1607 2005	7.7 -0.1 7.1 5.6
12 W	0143 0837 1557 2036	8.4 -1.2 7.9 4.8	27 TH	0150 0903 1653 2054	7.6 -0.6 7.5 5.9
13 TH	0221 0921 1653 2131	8.5 -2.0 8.4 5.3	28 F	0219 0933 1732 2140	7.5 -1.0 7.9 6.1
14 F	0300 1005 1748 2227	8.4 -2.5 8.7 5.7	29 SA	0247 1006 1814 2226	7.4 -1.3 8.1 6.2
15 SA	0339 1053 1841 2322	8.2 -2.5 8.8 5.9	30 SU	0309 1042 1849 2311	7.3 -1.4 8.3 6.2
			31 M	0334 1119 1927	7.1 -1.4 8.4

JUNE 1976

DAY	TIME H.M.	HT. FT.	DAY	TIME H.M.	HT. FT.
1 TU	0002 0359 1157 2003	6.2 6.9 -1.2 8.4	16 W	0128 0549 1235 2031	5.4 6.2 -0.3 8.7
2 W	0057 0439 1239 2038	5.9 6.5 -0.8 8.5	17 TH	0254 0655 1317 2107	4.8 5.5 0.7 8.5
3 TH	0153 0554 1318 2112	5.4 6.0 -0.2 8.5	18 F	0420 0815 1359 2142	4.0 4.9 1.7 8.3
4 F	0259 0731 1408 2146	4.7 5.4 0.7 8.5	19 SA	0512 0951 1441 2213	3.2 4.7 2.7 8.1
5 SA	0358 0917 1458 2222	3.7 5.1 1.7 8.5	20 SU	0557 1139 1527 2247	2.4 4.8 3.7 8.0
6 SU	0500 1102 1557 2258	2.4 5.2 2.8 8.6	21 M	0626 1312 1622 2319	1.6 5.4 4.6 7.9
7 M	0552 1242 1700 2336	1.1 5.8 3.9 8.6	22 TU	0701 1421 1721 2351	0.8 6.0 5.3 7.8
8 TU	0644 1401 1802	-0.1 6.6 4.8	23 W	0729 1513 1827	0.1 6.7 5.9
9 W	0018 0732 1507 1908	8.7 -1.2 7.4 5.5	24 TH	0027 0802 1602 1927	7.7 -0.5 7.2 6.2
10 TH	0057 0819 1609 2014	8.6 -2.0 8.1 6.0	25 F	0101 0834 1641 2022	7.7 -1.0 7.7 6.4
11 F	0143 0903 1658 2114	8.5 -2.5 8.6 6.2	26 SA	0136 0908 1716 2115	7.6 -1.4 8.0 6.4
12 SA	0225 0949 1747 2215	8.3 -2.7 8.8 6.3	27 SU	0212 0942 1750 2205	7.5 -1.6 8.2 6.3
13 SU	0313 1033 1832 2315	8.0 -2.4 8.9 6.1	28 M	0251 1020 1823 2254	7.4 -1.7 8.4 6.1
14 M	0401 1115 1911	7.5 -1.9 8.9	29 TU	0333 1057 1852 2343	7.2 -1.5 8.5 5.7
15 TU	0019 0451 1157 1953	5.8 6.9 -1.2 8.8	30 W	0421 1134 1923	6.8 -1.2 8.6

JULY 1976

DAY	TIME H.M.	HT. FT.	DAY	TIME H.M.	HT. FT.
1 TH	0035 0521 1216 1952	5.1 6.4 -0.5 8.6	16 F	0137 0646 1245 2011	3.9 5.5 1.4 8.1
2 F	0131 0633 1257 2023	4.3 5.9 0.4 8.6	17 SA	0230 0800 1320 2037	3.3 5.1 2.3 7.9
3 SA	0229 0753 1341 2055	3.4 5.4 1.4 8.6	18 SU	0322 0927 1400 2109	2.7 4.9 3.3 7.8
4 SU	0325 0927 1429 2132	2.3 5.2 2.6 8.6	19 M	0420 1110 1444 2144	2.0 5.0 4.2 7.7
5 M	0424 1114 1522 2211	1.2 5.4 3.8 8.6	20 TU	0509 1250 1537 2219	1.3 5.4 5.0 7.6
6 TU	0523 1253 1627 2253	0.1 6.0 4.9 8.6	21 W	0555 1406 1639 2301	0.7 6.0 5.6 7.5
7 W	0621 1409 1736 2339	-0.8 6.8 5.7 8.5	22 TH	0644 1453 1749 2343	0.1 6.6 6.0 7.5
8 TH	0714 1511 1847	-1.6 7.5 6.2	23 F	0724 1537 1855	-0.5 7.1 6.2
9 F	0031 0804 1600 1959	8.4 -2.0 8.0 6.3	24 SA	0029 0804 1612 1958	7.5 -0.9 7.5 6.2
10 SA	0121 0851 1646 2108	8.2 -2.2 8.4 6.2	25 SU	0116 0841 1643 2054	7.5 -1.2 7.8 5.9
11 SU	0215 0935 1726 2209	8.0 -2.1 8.6 5.9	26 M	0206 0920 1712 2143	7.4 -1.4 8.1 5.6
12 M	0307 1017 1805 2308	7.6 -1.7 8.6 5.5	27 TU	0252 0958 1737 2232	7.4 -1.3 8.2 5.0
13 TU	0357 1052 1841	7.1 -1.2 8.6	28 W	0347 1037 1804 2316	7.2 -1.0 8.3 4.3
14 W	0000 0450 1131 1912	5.0 6.6 -0.4 8.5	29 TH	0443 1113 1830	6.9 -0.4 8.4
15 TH	0049 0547 1206 1941	4.5 6.0 0.4 8.3	30 F	0006 0545 1154 1859	3.5 6.6 0.4 8.4
			31 SA	0055 0651 1237 1932	2.6 6.2 1.4 8.4

NOVEMBER 1976

DAY	TIME H.M.	HT. FT.	DAY	TIME H.M.	HT. FT.
1 M	0459 1226 1938	2.6 8.3 2.8	16 TU	0404 1126 1758	2.4 8.5 2.9
2 TU	0105 0605 1301 2006	5.9 3.4 8.2 2.0	17 W	0007 0505 1159 1840	5.9 3.3 8.6 1.6
3 W	0215 0701 1333 2032	6.4 4.0 8.0 1.4	18 TH	0129 0608 1234 1925	6.6 4.1 8.7 0.3
4 TH	0307 0753 1359 2053	6.9 4.5 7.9 0.8	19 F	0237 0711 1312 2011	7.5 4.8 8.8 -0.9
5 F	0400 0836 1423 2115	7.4 5.0 7.8 0.3	20 SA	0337 0809 1348 2053	8.3 5.5 8.9 -1.8
6 SA	0442 0915 1449 2144	7.8 5.4 7.7 -0.1	21 SU	0433 0905 1429 2139	8.9 5.9 8.9 -2.3
7 SU	0524 0955 1515 2215	8.0 5.7 7.5 -0.4	22 M	0525 1000 1511 2225	9.3 6.3 8.7 -2.5
8 M	0606 1031 1535 2247	8.2 6.0 7.4 -0.5	23 TU	0617 1056 1554 2310	9.5 6.4 8.4 -2.2
9 TU	0648 1113 1555 2322	8.3 6.2 7.2 -0.5	24 W	0706 1153 1643 2356	9.5 6.4 7.9 -1.6
10 W	0727 1200 1600	8.3 6.3 7.1	25 TH	0755 1300 1738	9.4 6.2 7.2
11 TH	0001 0811 1249 1600	-0.4 8.3 6.3 6.8	26 F	0041 0840 1426 1841	-0.7 9.3 5.7 6.4
12 F	0039 0854 1348 1618	-0.1 8.3 6.2 6.5	27 SA	0130 0926 1635 2006	0.4 9.1 5.0 5.7
13 SA	0125 0936 1457 1700	0.4 8.4 5.8 6.0	28 SU	0215 1009 1738 2149	1.5 8.9 4.0 5.3
14 SU	0215 1015 1607 2039	0.9 8.4 5.1 5.4	29 M	0307 1047 1827 2338	2.7 8.8 3.1 5.4
15 M	0308 1050 1706 2230	1.6 8.5 4.1 5.4	30 TU	0400 1126 1904	3.7 8.6 2.2

DECEMBER 1976

DAY	TIME H.M.	HT. FT.	DAY	TIME H.M.	HT. FT.
1 W	0111 0459 1158 1934	5.9 4.7 8.4 1.5	16 TH	0015 0423 1102 1815	6.0 4.5 9.1 0.6
2 TH	0220 0558 1230 1959	6.6 5.4 8.3 0.8	17 F	0141 0529 1143 1903	6.9 5.5 9.1 -0.6
3 F	0315 0703 1300 2023	7.2 6.0 8.2 0.2	18 SA	0247 0636 1226 1952	7.8 6.2 9.2 -1.5
4 SA	0401 0759 1327 2051	7.8 6.3 8.1 -0.2	19 SU	0345 0745 1312 2038	8.6 6.7 9.1 -2.1
5 SU	0443 0848 1359 2120	8.2 6.6 8.0 -0.6	20 M	0438 0849 1401 2123	9.2 6.8 9.0 -2.4
6 M	0522 0933 1431 2152	8.5 6.7 7.9 -0.8	21 TU	0520 0950 1451 2209	9.5 6.8 8.7 -2.2
7 TU	0600 1017 1500 2225	8.7 6.8 7.7 -0.9	22 W	0605 1050 1542 2252	9.7 6.6 8.3 -1.8
8 W	0636 1101 1521 2301	8.9 6.8 7.5 -0.8	23 TH	0644 1148 1635 2334	9.7 6.2 7.7 -1.0
9 TH	0708 1147 1536 2337	8.9 6.6 7.2 -0.6	24 F	0723 1251 1733	9.6 5.7 7.0
10 F	0742 1237 1618	9.0 6.4 6.9	25 SA	0013 0800 1400 1839	0.0 9.4 5.1 6.3
11 SA	0015 0811 1333 1721	-0.2 9.0 5.9 6.4	26 SU	0054 0837 1516 1955	1.1 9.2 4.4 5.6
12 SU	0054 0843 1429 1900	0.5 9.0 5.2 5.8	27 M	0136 0911 1632 2133	2.2 9.0 3.6 5.3
13 M	0137 0915 1531 2044	1.3 9.0 4.3 5.4	28 TU	0218 0945 1726 2329	3.4 8.8 2.8 5.4
14 TU	0226 0951 1629 2229	2.3 9.0 3.1 5.5	29 W	0300 1020 1812	4.4 8.6 2.0
15 W	0321 1025 1722	3.4 9.0 1.8	30 TH	0106 0359 1055 1847	6.0 5.4 8.4 1.3
			31 F	0215 0459 1131 1919	6.7 6.1 8.3 0.6

JANUARY 1977

DAY	TIME h.m.	HT. ft.	DAY	TIME h.m.	HT. ft.
1 SA	0304 0615 1217 1953	7.2 6.5 8.2 0.2	16 SU	0242 0616 1205 1937	7.9 6.5 8.9 -1.3
2 SU	0350 0721 1252 2025	7.8 6.8 8.1 -0.3	17 M	0334 0735 1300 2025	8.5 6.7 8.7 -1.6
3 M	0429 0820 1331 2059	8.2 6.9 8.1 -0.6	18 TU	0419 0844 1356 2113	8.9 6.6 8.5 -1.6
4 TU	0502 0911 1406 2131	8.6 6.8 8.0 -0.8	19 W	0458 0946 1450 2155	9.2 6.2 8.3 -1.3
5 W	0535 0957 1448 2205	8.8 6.7 7.8 -0.9	20 TH	0536 1044 1547 2237	9.3 5.7 7.9 -0.8
6 TH	0604 1042 1527 2240	9.0 6.5 7.6 -0.8	21 F	0612 1133 1639 2315	9.3 5.2 7.4 -0.1
7 F	0633 1127 1610 2315	9.0 6.1 7.3 -0.5	22 SA	0644 1223 1735 2351	9.2 4.7 6.8 0.8
8 SA	0658 1213 1701 2354	9.1 5.6 6.9 0.1	23 SU	0715 1312 1834	9.0 4.1 6.3
9 SU	0728 1301 1804	9.1 4.9 6.5	24 M	0027 0746 1402 1944	1.8 8.8 3.6 5.8
10 M	0033 0757 1357 1919	0.8 9.1 4.1 6.0	25 TU	0105 0815 1456 2105	2.8 8.5 3.0 5.5
11 TU	0115 0827 1449 2045	1.8 9.1 3.2 5.8	26 W	0143 0847 1551 2248	3.8 8.3 2.5 5.6
12 W	0201 0903 1550 2226	2.9 9.0 2.1 5.8	27 TH	0225 0923 1647	4.7 8.1 1.9
13 TH	0252 0939 1650	4.1 9.0 1.1	28 F	0031 0318 1001 1743	6.0 5.5 7.9 1.3
14 F	0010 0355 1024 1746	6.3 5.2 9.0 0.1	29 SA	0143 0421 1043 1831	6.5 6.1 7.8 0.8
15 SA	0136 0501 1113 1842	7.1 6.0 8.9 -0.7	30 SU	0239 0536 1131 1913	7.1 6.5 7.7 0.3
			31 M	0321 0652 1223 1953	7.6 6.6 7.7 -0.1

TIME MERIDIAN 120° W. 0000 IS MIDNIGHT. 1200 IS NOON.
HEIGHTS ARE RECKONED FROM THE DATUM OF SOUNDINGS ON CHARTS OF THE LOCALITY WHICH IS MEAN LOWER LOW WATER.