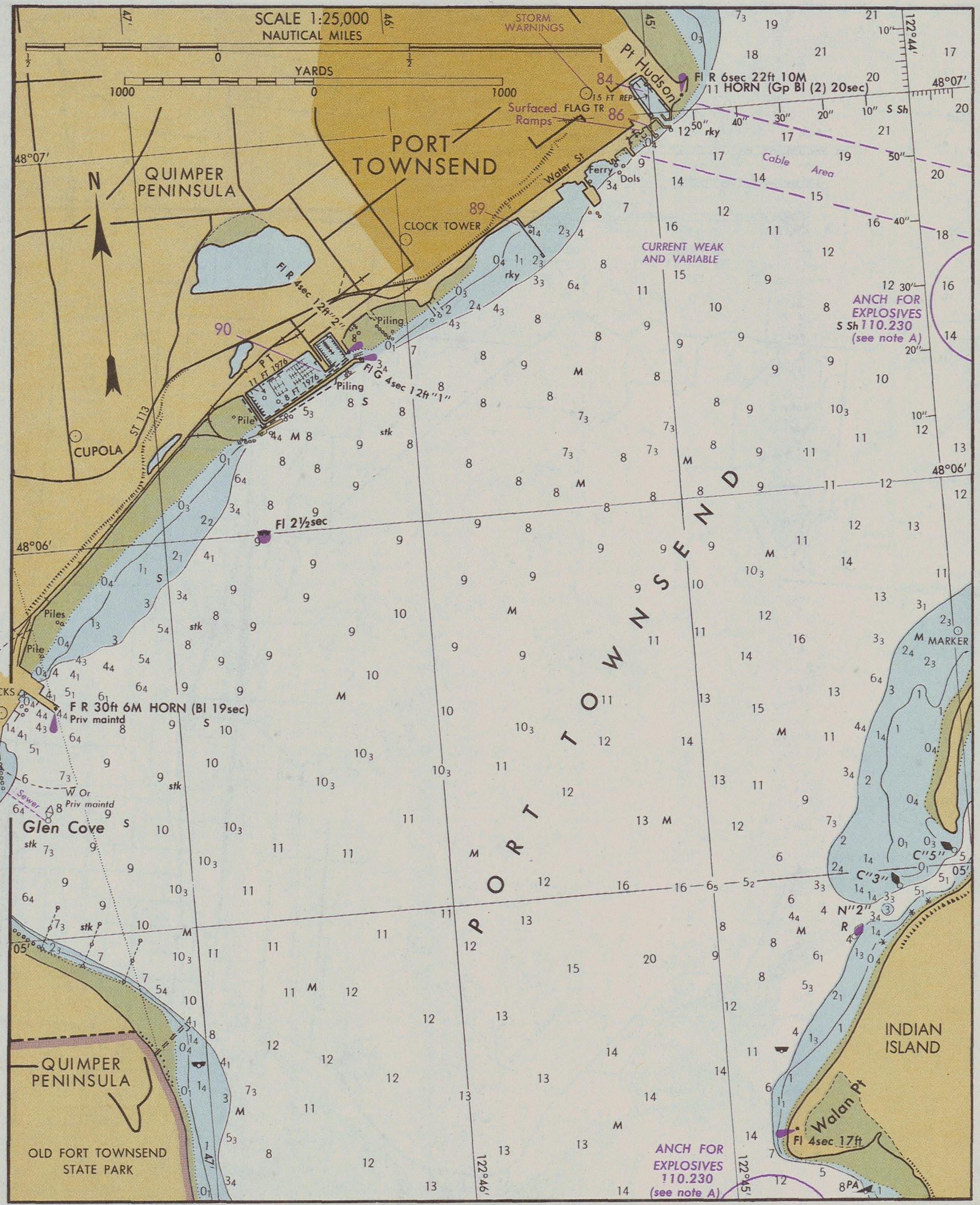
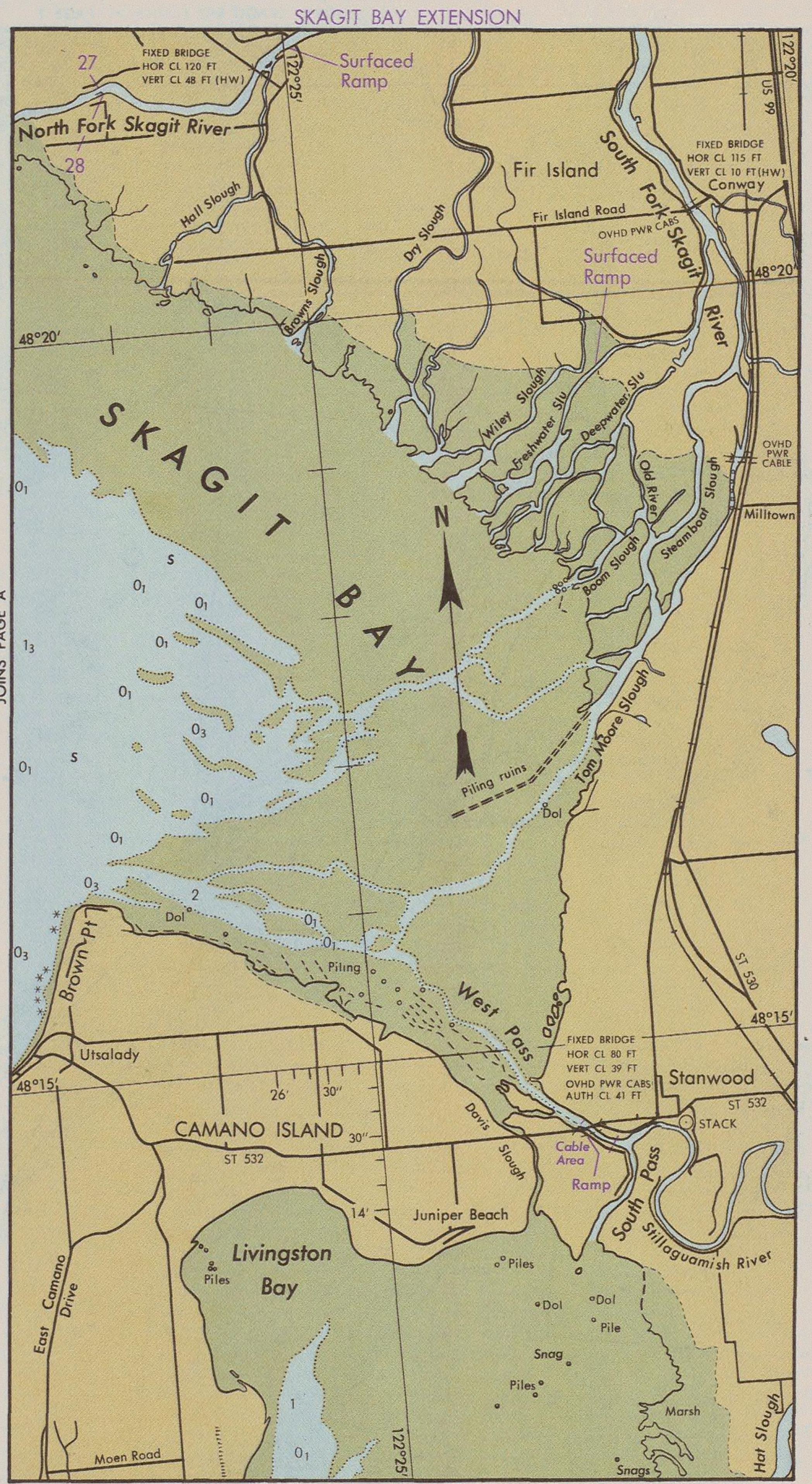
Formerly 184-SC, 1st Edition, 1960



INSET 9



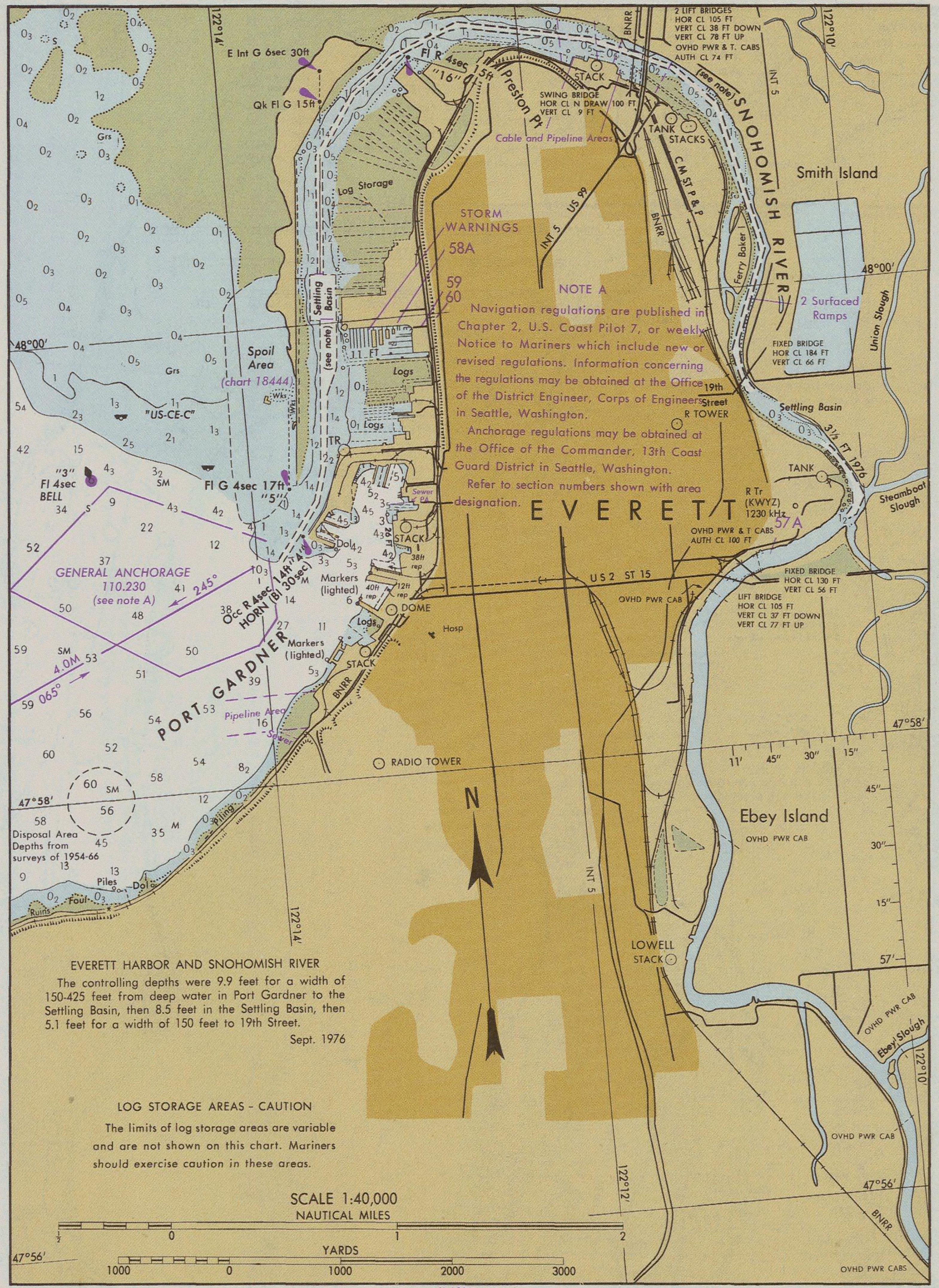
SCALE 1:80,000
NAUTICAL MILES
YARDS

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.



NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7, or weekly Notice to Mariners which include new or revised regulations. Information concerning the regulations may be obtained at the Office of the District Engineer, Corps of Engineers in Seattle, Washington.

Anchorage regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington.

Refer to section numbers shown with area designation.

EVERETT HARBOR AND SNOHOMISH RIVER

The controlling depths were 9.9 feet for a width of 150-425 feet from deep water in Port Gardner to the Settling Basin, then 8.5 feet in the Settling Basin, then 5.1 feet for a width of 150 feet to 19th Street.

Sept. 1976

LOG STORAGE AREAS - CAUTION

The limits of log storage areas are variable and are not shown on this chart. Mariners should exercise caution in these areas.

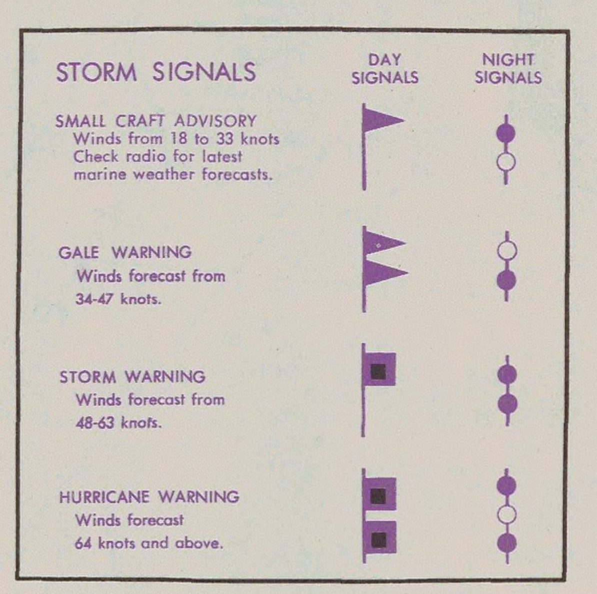
SCALE 1:40,000
NAUTICAL MILES
YARDS

INSET 11

DOUBLE BLUFF LIGHT

OFFICIAL U.S. COAST GUARD PHOTOGRAPH

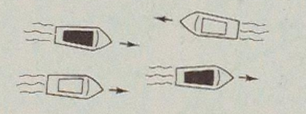
POINT WILSON LIGHT



WHISTLE SIGNALS

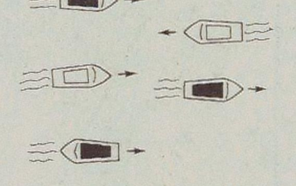
Signal given by one boat is repeated by other boat if safe, and understood.
Use whistle signals when boats are in sight of each other in the daytime by sight of the boat itself, or by night by seeing its signal lights.
When approaching a bend, sound one long blast. If answered immediately upon sighting 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., 1977-1978

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 1977

DAY	TIME h.m.	HT. ft.	DAY	TIME h.m.	HT. ft.
1	0144	8.1	16	0208	7.7
SU	0813	0.6	M	0910	-0.1
	1507	7.2		1636	7.3
	2009	3.5		2054	5.2
2	0216	8.2	17	0236	7.5
M	0856	-0.5	TU	0938	-0.4
	1605	7.8		1718	7.6
	2101	4.1		2136	5.6
3	0251	8.3	18	0305	7.3
TU	0938	-1.4	W	1007	-0.7
	1658	8.3		1800	7.8
	2150	4.6		2218	5.8
4	0327	8.3	19	0330	7.2
W	1023	-2.0	TH	1040	-0.9
	1753	8.6		1841	8.0
	2242	5.1		2303	5.9
5	0407	8.2	20	0351	7.0
TH	1109	-2.3	F	1113	-0.9
	1849	8.7		1918	8.0
	2334	5.5		2348	6.0
6	0449	7.9	21	0406	6.7
F	1156	-2.2	SA	1150	-0.8
	1945	8.7		2000	8.1
7	0033	5.6	22	0038	6.0
SA	0534	7.4	SU	0418	6.5
	1246	-1.7		1227	-0.5
	2042	8.6		2042	8.1
8	0140	5.6	23	0135	5.8
SU	0633	6.8	M	0416	6.2
	1337	-0.9		1309	-0.1
	2136	8.5		2117	8.1
9	0304	5.3	24	0235	5.5
M	0743	6.1	TU	0451	5.7
	1429	0.0		1353	0.4
	2228	8.4		2156	8.1
10	0514	4.6	25	0341	4.9
TU	0912	5.5	W	0759	5.1
	1525	1.0		1443	1.1
	2317	8.3		2228	8.1
11	0627	3.6	26	0443	4.0
W	1053	5.3	TH	0949	4.9
	1623	2.0		1534	1.9
	2357	8.2		2301	8.2
12	0712	2.7	27	0532	2.9
TH	1233	5.5	F	1128	5.1
	1725	2.9		1629	2.7
				2337	8.3
13	0036	8.1	28	0621	1.7
F	0751	1.8	SA	1257	5.7
	1350	5.9		1732	3.5
	1825	3.7			
14	0111	8.0	29	0010	8.3
SA	0821	1.0	SU	0703	0.4
	1454	6.4		1409	6.5
	1921	4.3		1834	4.3
15	0139	7.8	30	0047	8.4
SU	0848	0.4	M	0748	-0.8
	1547	6.9		1512	7.3
	2012	4.8		1933	4.9
			31	0125	8.5
			TU	0833	-1.8
				1611	8.1
				2032	5.5

JUNE 1977

DAY	TIME h.m.	HT. ft.	DAY	TIME h.m.	HT. ft.
1	0207	8.6	16	0222	7.4
W	0918	-2.5	TH	0944	-1.1
	1703	8.6		1751	8.1
	2131	5.8		2201	6.3
2	0249	8.5	17	0254	7.2
TH	1004	-2.8	F	1017	-1.2
	1755	8.9		1827	8.2
	2228	5.9		2246	6.2
3	0335	8.2	18	0323	7.0
F	1051	-2.8	SA	1049	-1.2
	1843	9.1		1859	8.3
	2326	5.9		2336	6.1
4	0424	7.8	19	0352	6.7
SA	1137	-2.3	SU	1125	-1.0
	1929	9.1		1931	8.4
5	0030	5.7	20	0022	5.8
SU	0519	7.2	M	0430	6.4
	1223	-1.6		1201	-0.6
	2018	9.0		2003	8.4
6	0143	5.3	21	0114	5.4
M	0621	6.4	TU	0515	5.9
	1309	-0.6		1240	-0.1
	2101	8.9		2028	8.4
7	0315	4.6	22	0208	4.8
TU	0739	5.6	W	0634	5.4
	1356	0.6		1320	0.6
	2143	8.7		2100	8.4
8	0449	3.7	23	0302	4.0
W	0910	5.1	TH	0807	5.0
	1445	1.7		1406	1.5
	2223	8.5		2131	8.4
9	0551	2.8	24	0357	3.0
TH	1055	4.9	F	0945	4.9
	1531	2.9		1455	2.5
	2301	8.4		2204	8.4
10	0639	1.9	25	0453	1.8
F	1234	5.3	SA	1122	5.2
	1630	3.9		1550	3.5
	2336	8.2		2243	8.5
11	0718	1.1	26	0545	0.6
SA	1353	5.8	SU	1258	5.9
	1728	4.7		1653	4.5
				2318	8.5
12	0011	8.0	27	0634	-0.5
SU	0750	0.4	M	1414	6.7
	1457	6.5		1758	5.3
	1831	5.4			
13	0044	7.9	28	0001	8.6
M	0815	-0.1	TU	0725	-1.5
	1549	7.0		1513	7.5
	1930	5.8		1905	5.8
14	0118	7.7	29	0047	8.6
TU	0844	-0.6	W	0814	-2.3
	1631	7.5		1608	8.1
	2022	6.1		2011	6.1
15	0150	7.6	30	0138	8.6
W	0912	-0.9	TH	0902	-2.7
	1712	7.8		1654	8.6
	2115	6.2		2115	6.1

JULY 1977

DAY	TIME h.m.	HT. ft.	DAY	TIME h.m.	HT. ft.
1	0230	8.4	16	0242	7.2
F	0948	-2.7	SA	0953	-1.1
	1739	8.8		1751	8.1
	2216	5.9		2225	5.8
2	0323	8.0	17	0321	7.0
SA	1033	-2.4	SU	1027	-1.0
	1822	9.0		1821	8.2
	2316	5.5		2311	5.4
3	0418	7.5	18	0406	6.7
SU	1118	-1.8	M	1102	-0.7
	1902	8.9		1846	8.2
				2353	4.9
4	0018	5.0	19	0451	6.4
M	0517	6.9	TU	1138	-0.3
	1200	-0.9		1910	8.2
	1939	8.8			
5	0124	4.4	20	0042	4.3
TU	0623	6.2	W	0550	6.0
	1242	0.2		1216	0.4
	2016	8.7		1936	8.2
6	0230	3.8	21	0130	3.5
W	0735	5.5	TH	0657	5.6
	1324	1.3		1255	1.2
	2053	8.5		2005	8.2
7	0345	3.0	22	0219	2.7
TH	0859	5.1	F	0815	5.3
	1406	2.4		1340	2.2
	2130	8.3		2037	8.2
8	0451	2.2	23	0315	1.8
F	1043	5.0	SA	0943	5.3
	1451	3.5		1427	3.3
	2204	8.1		2112	8.3
9	0543	1.5	24	0414	0.8
SA	1223	5.3	SU	1123	5.6
	1541	4.5		1521	4.3
	2240	7.9		2154	8.3
10	0629	0.8	25	0512	-0.1
SU	1342	5.9	M	1258	6.2
	1639	5.2		1627	5.1
	2318	7.7		2239	8.3
11	0708	0.3	26	0611	-0.9
M	1445	6.5	TU	1409	6.9
	1745	5.8		1736	5.7
				2335	8.3
12	0000	7.6	27	0706	-1.6
TU	0740	-0.2	W	1501	7.5
	1530	7.0		1852	5.9
	1855	6.1			
13	0039	7.5	28	0031	8.2
W	0816	-0.6	TH	0757	-2.0
	1614	7.4		1550	8.0
	1959	6.2		2003	5.8
14	0121	7.4	29	0129	8.1
TH	0849	-0.9	F	0846	-2.1
	1650	7.7		1630	8.3
	2054	6.2		2106	5.5
15	0200	7.3	30	0228	7.9
F	0921	-1.1	SA	0932	-1.9
	1722	7.9		1710	8.5
	2140	6.0		2205	5.0
			31	0327	7.6
			SU	1017	-1.4
				1744	8.5
				2301	4.4

NOVEMBER 1977

DAY	TIME h.m.	HT. ft.	DAY	TIME h.m.	HT. ft.
1	0037	0.2	16	0106	-0.9
TU	0853	7.9	W	0904	9.1
	1333	6.1		1424	5.6
	1615	6.4		1909	6.6
2	0121	0.5	17	0159	0.1
W	0943	7.9	TH	0954	9.0
	1439	5.9		1622	5.0
	1630	6.1		2039	5.9
3	0209	1.0	18	0251	1.2
TH	1028	7.9	F	1040	8.9
				1746	4.0
				2222	5.6
4	0301	1.5	19	0351	2.4
F	1107	8.0	SA	1123	8.8
	1851	4.9		1839	2.9
	2151	5.2			
5	0357	2.0	20	0005	5.8
SA	1145	8.0	SU	0452	3.4
	1815	4.1		1205	8.7
	2325	5.4		1921	1.9
6	0456	2.6	21	0132	6.3
SU	1217	8.1	M	0554	4.3
	1844	3.1		1239	8.6
				1959	1.1
7	0049	5.9	22	0239	6.9
M	0554	3.1	TU	0700	5.0
	1247	8.2		1313	8.4
	1919	2.0		2028	0.5
8	0155	6.6	23	0334	7.5
TU	0650	3.7	W	0757	5.5
	1316	8.3		1345	8.2
	1953	0.8		2056	0.0
9	0254	7.3	24	0423	8.0
W	0742	4.2	TH	0848	5.9
	1348	8.4		1414	8.0
	2035	-0.3		2122	-0.3
10	0349	8.0	25	0509	8.3
TH	0835	4.8	F	0930	6.2
	1421	8.5		1441	7.8
	2115	-1.2		2152	-0.5
11	0440	8.6	26	0547	8.5
F	0927	5.3	SA	1012	6.4
	1457	8.6		1513	7.6
	2157	-1.8		2222	-0.6
12	0533	9.0	27	0626	8.7
SA	1017	5.7	SU	1055	6.5
	1534	8.5		1535	7.4
	2242	-2.1		2255	-0.6
13	0626	9.2	28	0704	8.7
SU	1109	5.9	M	1138	6.6
	1613	8.3		1600	7.1
	2328	-2.1		2332	-0.4
14	0715	9.2	29	0742	8.7
M	1206	6.1	TU	1227	6.5
	1701	7.9		1551	6.8
15	0016	-1.6	30	0008	0.0
TU	0810	9.2	W	0819	8.7
	1309	6.0		1320	6.3
	1757	7.3		1539	6.5

DECEMBER 1977

DAY	TIME h.m.	HT. ft.	DAY	TIME h.m.	HT. ft.
1	0046	0.4	16	0127	0.8
TH	0856	8.7	F	0909	9.4
	1422	5.9		1551	4.2
	1615	6.0		2037	5.8
2	0128	1.0	17	0215	2.1
F	0929	8.6	SA	0951	9.2
	1703	5.3		1707	3.2
	1939	5.4		2223	5.5
3	0215	1.8	18	0304	3.4
SA	1001	8.6	SU	1028	9.0
	1630	4.4		1806	2.3
	2129	5.1			
4	0304	2.6	19	0012	5.8
SU	1036	8.6	M	0359	4.5
	1719	3.4		1109	8.8
	2314	5.3		1852	1.4
5	0359	3.5	20	0137	6.4
M	1109	8.7	TU	0503	5.5
	1800	2.2		1148	8.6
				1929	0.7
6	0044	6.0	21	0243	7.1
TU	0502	4.3	W	0614	6.1
	1144	8.7		1223	8.4
	1843	1.0		2004	0.2
7	0200	6.8	22	0336	7.7
W	0604	5.1	TH	0723	6.6
	1220	8.8		1258	8.2
	1925	-0.1		2033	-0.2
8	0259	7.7	23	0418	8.2
TH	0704	5.7	F	0827	6.8
	1258	8.9		1331	8.1
	2011	-1.2		2102	-0.5
9	0351	8.5	24	0500	8.5
F	0806	6.2	SA	0919	6.9
	1337	9.0		1409	7.9
	2053	-2.0		2131	-0.6
10	0443	9.1	25	0535	8.8
SA	0904	6.4	SU	1001	6.8
	1419	9.0		1444	7.7
	2139	-2.4		2202	-0.7
11	0529	9.5	26	0607	8.9
SU	1000	6.5	M	1041	6.7
	1505	8.8		1516	7.5
	2224	-2.5		2233	-0.6
12	0614	9.7	27	0642	9.0
M	1058	6.4	TU	1126	6.5
	1557	8.5		1549	7.2
	2310	-2.1		2308	-0.3
13	0701	9.7	28	0711	9.0
TU	1158	6.2	W	1209	6.2
	1653	7.9		1630	6.8
	2355	-1.4		2343	0.0
14	0744	9.7	29	0739	9.0
W	1306	5.7	TH	1254	5.8
	1756	7.2		1712	6.4
15	0041	-0.4	30	0019	0.6
TH	0827	9.5	F	0805	8.9
	1419	5.1		1343	5.2
	1907	6.4		1821	5.9
			31	0057	1.3
			SA	0833	8.9
				1440	4.5
				1942	5.5

JANUARY 1978

DAY	TIME h.m.	HT. ft.	DAY	TIME h.m.	HT. ft.
1	0141	2.0	16	0230	3.9
SU	0909	8.8	M	0941	8.7
	1536	3.8		1712	2.0
	2108	5.3		2355	5.9
2	0227	3.0	17	0319	4.9
M	0941	8.8	TU	1020	8.5
	1628	2.8		1808	1.4
	2253	5.5			
3	0322	4.0	18	0124	6.4
TU	1018	8.8	W	0421	5.8
	1720	1.7		1100	8.2
				1855	0.8
4	0032	6.1	19	0230	7.0
W	0421	4.9	TH	0530	6.4
	1055	8.9		1142	8.1
	1809	0.5		1932	0.4
5	0149	7.0	20	0319	7.6
TH	0530	5.8	F	0652	6.7
	1139	8.9		1225	7.9
	1901	-0.5		2006	0.0
6	0252	7.8	21	0401	8.0
F	0639	6.3	SA	0808	6.7
	1224	9.0		1313	7.8
	1950	-1.4		2040	-0.2
7	0344	8.6	22	0436	8.3
SA	0748	6.6	SU	0903	6.6
	1313	9.0		1352	7.7
	2037	-2.0		2112	-0.4
8	0431	9.1	23	0507	8.5
SU	0852	6.6	M	0942	6.4
	1406	8.9		1434	7.6
	2124	-2.2		2144	-0.4
9	0515	9.5	24	0536	8.7
M	0952	6.4	TU	1021	6.1
	1501	8.7		1516	7.4
	2211	-2.1		2213	-0.3
10	0556	9.6	25	0602	8.7
TU	1051	6.0	W	1059	5.7
	1557	8.3		1558	7.2
	2256	-1.6		2248	-0.1
11	0635	9.6	26	0627	8.7
W	1147	5.5	TH	1138	5.3
	1656	7.7		1644	6.9
	2339	-0.7		2323	0.4
12	0711	9.6	27	0651	8.7
TH	1249	4.8	F	1220	4.7
	1758	7.1		1733	6.6
				2358	1.0
13	0021	0.3	28	0715	8.7
F	0749	9.4	SA	1306	4.1
	1351	4.2		1833	6.2
	1907	6.4			
14	0102	1.5	29	0033	1.7
SA	0827	9.2	SU	0744	8.6
	1457	3.5		1351	3.3
	2029	5.8		1941	5.9
15	0145	2.7	30	0115	2.6
SU	0903	9.0	M	0813	8.6
	1609	2.8		1443	2.5
	2211	5.6		2106	5.8
			31	0201	3.6
			TU	0845	8.5
				1539	1.7
				2242	5.9

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.