

TABLE 1.—DAILY TIDE PREDICTIONS

EXPLANATION OF TABLE

This table contains the predicted times and heights of the high and low waters for each day of the year at a number of places which are designated as *reference stations*. By using tidal differences from table 2, one can calculate the approximate times and heights of the tide at many other places which are called subordinate stations. Instructions on the use of the tidal differences are found in the explanation of table 2.

High water is the maximum height reached by each rising tide, and low water is the minimum height reached by each falling tide. High and low waters can be selected from the predictions by the comparison of consecutive heights. Because of diurnal inequality at certain places, however, there may be a difference of only a few tenths of a foot between one high water and low water of a day, but a marked difference in height between the other high water and low water. It is essential, therefore, in using the tide tables to note carefully the heights as well as the times of the tides.

Time.—The kind of time used for the predictions at each reference station is indicated by the time meridian at the bottom of each page. Daylight saving time is not used in this publication.

Datum.—The datum from which the predicted heights are reckoned is the same as that used for the charts of the locality. The datum for the Atlantic coast of the United States is mean low water. For foreign coasts a datum approximating to mean low water springs, Indian spring low water, or the lowest possible low water is generally used. The depression of the datum below mean sea level for each of the reference stations of this volume is given on the preceding page.

Depth of water.—The nautical charts published by the United States and other maritime nations show the depth of water as referred to a low water datum corresponding to that from which the predicted tidal heights are reckoned. To find the actual depth of water at any time the height of the tide should be added to the charted depth. If the height of the tide is negative—that is, if there is a minus sign (—) before the tabular height—it should be subtracted from the charted depth. For any time between high and low water, the height of the tide may be estimated from the heights of the preceding and following tides, or table 3 may be used. The reference stations in table 1 now contain the heights in meters as well as feet.

Variation in sea level.—Changes in winds and barometric conditions cause variations in sea level from day to day. In general, with onshore winds or a low barometer the heights of both the high and low waters will be higher than predicted while with offshore winds or a high barometer they will be lower. There are also seasonal variations in sea level, but these variations have been included in the predictions for each station. At ocean stations the seasonal variation in sea level is usually less than half a foot.

At stations on tidal rivers the average seasonal variation in river level due to freshets and droughts may be considerably more than a foot. The predictions for these stations include an allowance for this seasonal variation representing average freshet and drought conditions. Unusual freshets or droughts, however, will cause the tides to be higher or lower, respectively, than predicted.

Number of tides.—There are usually two high and two low waters in a day. Tides follow the Moon more closely than they do the Sun, and the lunar or tidal day is about 50 minutes longer than the solar day. This causes the tide to occur later each day, and a tide that has occurred near the end of one calendar day will be followed by a corresponding tide that may skip the next day and occur in the early morning of the third day. Thus on certain days of each month only a single high or a single low water occurs. At some stations, during portions of each month, the tide becomes diurnal—that is, only one high and one low water will occur during the period of a lunar day.

APRIL										MAY										JUNE									
Time		Height			Time		Height			Time		Height			Time		Height			Time		Height							
Day		h	m	ft	Day		h	m	ft	Day		h	m	ft	Day		h	m	ft	Day		h	m	ft	m				
1	0345	-0.4	-0.1		16	0308	-0.6	-0.2		1	0351	0.1	0.0		16	0345	-0.5	-0.2		1	0436	0.4	0.1		16	0526	-0.2	-0.1	
F	1013	3.3	1.0		Sa	0950	3.3	1.0		Su	1030	3.0	0.9		M	1028	3.4	1.0		W	1142	2.8	0.9		Th	1208	3.7	1.1	
	1540	-0.2	-0.1			1510	-0.5	-0.2			1542	0.2	0.1			1548	-0.3	-0.1			1638	0.7	0.2			1750	0.1	0.0	
	2235	3.7	1.1			2211	4.0	1.2			2251	3.4	1.0			2249	4.1	1.2			2358	3.0	0.9						
2	0422	-0.1	0.0		17	0355	-0.4	-0.1		2	0427	0.3	0.1		17	0441	-0.3	-0.1		2	0518	0.5	0.2		17	0033	3.8	1.2	
Sa	1100	3.0	0.9		Su	1041	3.1	0.9		M	1121	2.8	0.9		Tu	1125	3.3	1.0		Th	1237	2.8	0.9		F	0627	0.0	0.0	
	1617	0.0	0.0			1556	-0.3	-0.1			1622	0.4	0.1			1645	-0.1	0.0			1731	0.8	0.2			1309	3.7	1.1	
	2323	3.4	1.0			2304	3.8	1.2			2342	3.1	0.9			2350	3.9	1.2							1904	0.2	0.1		
3	0503	0.3	0.1		18	0446	-0.2	-0.1		3	0507	0.5	0.2		18	0539	-0.1	0.0		3	0051	2.9	0.9		18	0133	3.6	1.1	
Su	1152	2.7	0.8		M	1139	3.0	0.9		Tu	1216	2.6	0.8		W	1227	3.3	1.0		F	0606	0.6	0.2		Sa	0730	0.1	0.0	
	1657	0.3	0.1			1649	-0.1	0.0			1707	0.6	0.2			1752	0.1	0.0			1330	2.9	0.9			1409	3.8	1.2	
																					1829	0.8	0.2			2025	0.3	0.1	
4	0018	3.1	0.9		19	0003	3.6	1.1		4	0037	2.9	0.9		19	0053	3.7	1.1		4	0146	2.8	0.9		19	0235	3.4	1.0	
M	0548	0.5	0.2		Tu	0546	0.0	0.0		W	0557	0.6	0.2		Th	0645	0.0	0.0		Sa	0701	0.5	0.2		Su	0832	0.1	0.0	
	1248	2.5	0.8			1240	2.9	0.9			1314	2.6	0.8			1332	3.4	1.0			1423	3.0	0.9			1507	3.9	1.2	
	1744	0.6	0.2			1755	0.1	0.0			1806	0.8	0.2			1912	0.2	0.1			1935	0.8	0.2			2139	0.2	0.1	
5	0116	2.9	0.9		20	0109	3.5	1.1		5	0136	2.8	0.9		20	0156	3.6	1.1		5	0241	2.9	0.9		20	0330	3.3	1.0	
Tu	0644	0.7	0.2		W	0655	0.1	0.0		Th	0656	0.7	0.2		F	0755	0.0	0.0		Su	0756	0.5	0.2		M	0930	0.1	0.0	
	1349	2.4	0.7			1348	3.0	0.9			1412	2.6	0.8			1432	3.6	1.1			1514	3.2	1.0			1600	4.1	1.2	
	1845																												

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

AUGUST

SEPTMBER

[illegible]

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER												NOVEMBER										DECEMBER													
Time				Time				Time				Time				Time				Time				Time				Time				Time			
Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	
1	0237	3.0	0.9		16	0330	2.9	0.9		1	0418	3.9	1.2		16	0427	3.3	1.0		1	0450	4.1	1.2		16	0434	3.5	1.1							
Sa	0754	0.3	0.1		Su	0936	0.8	0.2		Tu	1023	-0.2	-0.1		W	1021	0.4	0.1		Th	1114	-0.3	-0.1		F	1018	0.2	0.1							
	1508	3.8	1.2			1552	3.2	1.0			1644	3.9	1.2			1645	3.2	1.0			1714	3.6	1.1			1655	3.0	0.9							
	2104	0.2	0.1			2229	0.6	0.2			2247	-0.4	-0.1			2223	0.2	0.1			2311	-0.4	-0.1			2216	-0.1	0.0							
2	0341	3.4	1.0		17	0418	3.1	0.9		2	0511	4.3	1.3		17	0511	3.6	1.1		2	0538	4.3	1.3		17	0519	3.8	1.2							
Su	0915	0.1	0.0		M	1031	0.6	0.2		W	1122	-0.5	-0.2		Th	1100	0.2	0.1		F	1203	-0.4	-0.1		Sa	1108	-0.1	0.0							
	1607	4.0	1.2			1639	3.3	1.0			1735	4.0	1.2			1729	3.3	1.0			1801	3.6	1.1			1740	3.2	1.0							
	2213	0.0	0.0			2255	0.4	0.1			2332	-0.6	-0.2			2303	-0.1	0.0			2353	-0.5	-0.2			2303	-0.4	-0.1							
3	0437	3.8	1.2		18	0503	3.4	1.0		3	0559	4.5	1.4		18	0551	3.8	1.2		3	0625	4.4	1.3		18	0604	4.0	1.2							
M	1029	-0.2	-0.1		Tu	1106	0.4	0.1		Th	1212	-0.6	-0.2		F	1140	-0.1	0.0		Sa	1245	-0.5	-0.2		Su	1156	-0.3	-0.1							
	1703	4.3	1.3			1722	3.5	1.1			1822	4.1	1.2			1812	3.4	1.0			1847	3.6	1.1			1826	3.3	1.0							
	2308	-0.3	-0.1			2319	0.2	0.1							2340	-0.3	-0.1								2351	-0.6	-0.2								
4	0529	4.2	1.3		19	0545	3.6	1.1		4	0617	-0.7	-0.2		19	0633	4.1	1.2		4	0034	-0.5	-0.2		19	0649	4.3	1.3							
Tu	1129	-0.5	-0.2		W	1137	0.2	0.1		F	0646	4.7	1.4		Sa	1221	-0.3	-0.1		Su	0711	4.4	1.3		M	1244	-0.5	-0.2							
	1755	4.4	1.3			1803	3.6	1.1			1259	-0.7	-0.2			1854	3.5	1.1			1327	-0.4	-0.1			1913	3.4	1.0							
	2356	-0.6	-0.2			2348	0.0	0.0			1908	4.0	1.2								1931	3.5	1.1												
5	0620	4.5	1.4		20	0625	3.8	1.2		5	0056	-0.7	-0.2		20	0020	-0.4	-0.1		5	0112	-0.5	-0.2		20	0039	-0.7	-0.2							
W	1222	-0.7	-0.2		Th	1212	0.0	0.0		Sa	0732	4.7	1.4		Su	0713	4.2	1.3		M	0755	4.3	1.3		Tu	0736	4.4	1.3							
	1844	4.5	1.4			1842	3.7	1.1			1341	-0.6	-0.2			1303	-0.4	-0.1			1404	-0.3	-0.1			1330	-0.7	-0.2							
											1954	3.9	1.2			1935	3.5	1.1			2016	3.4	1.0			2001	3.5	1.1							
6	0041	-0.7	-0.2		21	0018	-0.2	-0.1		6	0137	-0.6	-0.2		21	0059	-0.5	-0.2		6	0149	-0.4	-0.1		21	0128	-0.8	-0.2							
Th	0707	4.8	1.5		F	0702	4.0	1.2		Su	0817	4.6	1.4		M	0756	4.3	1.3		Tu	0839	4.1	1.2		W	0824	4.4	1.3							
	1312	-0.8	-0.2			1247	-0.2	-0.1			1421	-0.4	-0.1			1344	-0.5	-0.2			1439	-0.2	-0.1			1417	-0.7	-0.2							
	1931	4.4	1.3			1921	3.7	1.1			2038	3.7	1.1			2018	3.4	1.0			2059	3.2	1.0			2050	3.5	1.1							
7	0124	-0.8	-0.2		22	0051	-0.3	-0.1		7	0213	-0.4	-0.1		22	0141	-0.6	-0.2		7	0226	-0.2	-0.1		22	0218	-0.8	-0.2							
F	0754	4.8	1.5		Sa	0742	4.1	1.2		M	0901	4.3	1.3		Tu	0841	4.3	1.3		W	0922	3.8	1.2		Th	0913	4.3	1.3							
	1358	-0.7	-0.2			1323	-0.3	-0.1			1501	-0.2	-0.1			1430	-0.5	-0.2			1513	0.0	0.0			1506	-0.7	-0.2							
	2017	4.3	1.3			2000	3.6	1.1			2124	3.4	1.0			2106	3.4	1.0			2145	3.0	0.9			2143	3.5	1.1							
8	0203	-0.7	-0.2		23	0127	-0.4	-0.1		8	0250	-0.2	-0.1		23	0226	-0.5	-0.2		8	0303	0.0	0.0		23	0310	-0.7	-0.2							
Sa	0840	4.7	1.4		Su	0821	4.2	1.3		Tu	0947	4.0	1.2		W	0929	4.2	1.3		Th	1006	3.6	1.1		F	1005	4.2	1.3							
	1442	-0.5	-0.2			1401	-0.3	-0.1			1542	0.1	0.0			1516	-0.4	-0.1			1548	0.2	0.1			1556	-0.6	-0.2							
	2103	4.0	1.2			2042	3.5	1.1			2212	3.1	0.9			2156	3.3	1.0			2232	2.9	0.9			2236	3.5	1.1							
9	0244	-0.5	-0.2		24	0202	-0.4	-0.1		9	0327	0.1	0.0		24	0316	-0.4	-0.1		9	0343	0.2	0.1		24	0406	-0.5	-0.2							
Su	0927	4.5	1.4		M	0901	4.1	1.2		W	1036	3.7	1.1		Th	1020	4.0	1.2		F	1054	3.3	1.0		Sa	1102	3.9	1.2							
	1527	-0.3	-0.1			1442	-0.2	-0.1			1619	0.3	0.1			1606	-0.3	-0.1			1625	0.3	0.1			1649	-0.4	-0.1							
	2151	3.6	1.1			2123	3.3	1.0			2301	2.9	0.9			2251	3.2	1.0			2321	2.7	0.8			2334	3.5	1.1							
10	0321	-0.2	-0.1		25	0242	-0.3	-0.1		10	0409	0.4	0.1		25	0409	-0.2	-0.1		10	0425	0.4	0.1		25	0505	-0.3	-0.1							
M	1017	4.2	1.3		Tu	0946	4.0	1.2		Th	1126	3.3	1.0		F	1118	3.8	1.2		Sa	1142	3.0	0.9		Su	1200	3.7	1.1							
	1611	0.1	0.0			1526	-0.1	0.0			1702	0.6	0.2			1702	-0.1	0.0			1705	0.4	0.1			1747	-0.3	-0.1							
	2240	3.3	1.0			2211	3.1	0.9			2355	2.7	0.8			2352	3.1	0.9																	
11	0403	0.1	0.0		26	0327	-0.2	-0.1		11	0454	0.6	0.2		26	0513	0.0	0.0		11	0016	2.7	0.8		26	0033	3.5	1.1							
Tu	1107	3.8	1.2		W	1037	3.9	1.2		F	1221	3.1	0.9		Sa	1219	3.7	1.1		Su	0513	0.6	0.2		M	0613	-0.1	0.0							
	1656	0.4	0.1			1616	0.0	0.0			1752	0.7	0.2			1806	0.0	0.0			1235	2.8	0.9			1259	3.4	1.0							
	2331	3.0	0.9			2305	3.0	0.9													1752	0.5	0.2			1847	-0.2	-0.1							
12	0444	0.4	0.1		27	0417	0.0	0.0		12	0056	2.6	0.8		27	0056	3.2	1.0		12	0110	2.7	0.8		27	0135	3.5	1.1							
W	1202	3.5	1.1		Th	1133	3.7	1.1		Sa	0552	0.8	0.2		Su	0624	0.1	0.0		M	0608	0.7	0.2		Tu	0733	0.0	0.0							
	1749	0.7	0.2			1713	0.2	0.1			1320	2.9	0.9			1323	3.5	1.1			1329	2.7	0.8			1401	3.3	1.0							
											1853	0.8	0.2			1914	0.0	0.0			1843	0.5	0.2			1954	-0.1	0.0							
13	0031	2.7	0.8		28	0008	2.9	0.9		13	0155	2.6	0.8		28	0200	3.4	1.0		13	0206	2.7	0.8		28	0235	3.6	1.1							
Th	0534	0.7	0.2		F	0518	0.1	0.0		Su	0701	0.9	0.3		M	0746	0.1	0.0		Tu	0712	0.7	0.2		W	0854	0.0	0.0							
	1259	3.2	1.0			1236	3.6	1.1			1416	2.9	0.9			1427	3.5	1.1			1424	2.7	0.8			1501	3.2								

Times and Heights of High and Low Waters

JANUARY				FEBRUARY				MARCH			
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
Day	h m ft m	Day	h m ft m	Day	h m ft m	Day	h m ft m	Day	h m ft m	Day	h m ft m
1 0424 -0.4 -0.1		16 0445 0.1 0.0		1 0604 -0.5 -0.2		16 0547 -0.1 0.0		1 0451 -0.7 -0.2		16 0437 -0.2 -0.1	
Sa 1024 3.3 1.0		Su 1029 2.5 0.8		Tu 1159 2.6 0.8		W 1124 2.3 0.7		Tu 1047 2.7 0.8		W 1018 2.5 0.8	
1712 -0.8 -0.2		1722 -0.3 -0.1		1832 -0.6 -0.2		1807 -0.2 -0.1		1712 -0.6 -0.2		1651 -0.2 -0.1	
2306 2.4 0.7		2308 2.0 0.6				2349 2.3 0.7		2314 2.8 0.9		2238 2.7 0.8	
2 0521 -0.4 -0.1		17 0531 0.1 0.0		2 0035 2.6 0.8		17 0634 0.0 0.0		2 0543 -0.6 -0.2		17 0523 -0.2 -0.1	
Su 1120 3.1 0.9		M 1108 2.4 0.7		W 0703 -0.4 -0.1		Th 1203 2.2 0.7		W 1139 2.5 0.8		Th 1059 2.4 0.7	
1806 -0.7 -0.2		1803 -0.2 -0.1		1257 2.3 0.7		1848 -0.1 0.0		1802 -0.4 -0.1		1730 -0.1 0.0	
		2347 2.0 0.6		1925 -0.4 -0.1						2318 2.7 0.8	
3 0002 2.4 0.7		18 0616 0.2 0.1		3 0131 2.5 0.8		18 0032 2.4 0.7		3 0003 2.8 0.9		18 0609 -0.2 -0.1	
M 0621 -0.3 -0.1		Tu 1149 2.3 0.7		Th 0804 -0.3 -0.1		F 0727 0.0 0.0		Th 0639 -0.4 -0.1		F 1141 2.3 0.7	
1219 2.8 0.9		1845 -0.1 0.0		1355 2.1 0.6		1248 2.0 0.6		1229 2.3 0.7		1813 0.0 0.0	
1901 -0.6 -0.2				2019 -0.2 -0.1		1933 0.0 0.0		1851 -0.3 -0.1		2359 2.7 0.8	
4 0101 2.4 0.7		19 0029 2.1 0.6		4 0231 2.5 0.8		19 0120 2.4 0.7		4 0056 2.7 0.8		19 0701 -0.1 0.0	
Tu 0725 -0.2 -0.1		W 0706 0.2 0.1		F 0908 -0.2 -0.1		Sa 0823 0.0 0.0		F 0735 -0.2 -0.1		Sa 1229 2.1 0.6	
1320 2.5 0.8		1231 2.1 0.6		1459 1.8 0.5		1343 1.9 0.6		1325 2.0 0.6		1858 0.1 0.0	
1956 -0.4 -0.1		1930 -0.1 0.0		2115 -0.1 0.0		2022 0.1 0.0		1944 -0.1 0.0			
5 0206 2.4 0.7		20 0113 2.1 0.6		5 0333 2.4 0.7		20 0215 2.5 0.8		5 0151 2.5 0.8		20 0048 2.7 0.8	
W 0830 -0.1 0.0		Th 0800 0.2 0.1		Sa 1008 -0.1 0.0		Su 0922 0.0 0.0		Sa 0834 -0.1 0.0		Su 0756 -0.1 0.0	
1425 2.2 0.7		1319 2.0 0.6		1605 1.7 0.5		1446 1.8 0.5		1425 1.8 0.5		1324 2.0 0.6	
2053 -0.3 -0.1		2015 0.0 0.0		2211 0.0 0.0		2118 0.1 0.0		2040 0.1 0.0		1953 0.2 0.1	
6 0306 2.5 0.8		21 0203 2.2 0.7		6 0433 2.4 0.7		21 0316 2.5 0.8		6 0249 2.4 0.7		21 0146 2.7 0.8	
Th 0935 -0.1 0.0		F 0856 0.2 0.1		Su 1107 -0.1 0.0		M 1025 -0.1 0.0		Su 0931 0.0 0.0		M 0857 0.0 0.0	
1533 2.0 0.6		1415 1.9 0.6		1709 1.6 0.5		1553 1.7 0.5		1526 1.7 0.5		1428 1.9 0.6	
2150 -0.2 -0.1		2104 0.1 0.0		2305 0.1 0.0		2219 0.1 0.0		2138 0.2 0.1		2055 0.3 0.1	
7 0411 2.5 0.8		22 0255 2.3 0.7		7 0527 2.4 0.7		22 0420 2.6 0.8		7 0353 2.3 0.7		22 0251 2.7 0.8	
F 1037 -0.1 0.0		Sa 0955 0.1 0.0		M 1201 -0.1 0.0		Tu 1122 -0.2 -0.1		M 1031 0.1 0.0		M 0959 -0.1 0.0	
1639 1.9 0.6		1517 1.8 0.5		1805 1.6 0.5		1702 1.8 0.5		1631 1.6 0.5		1539 1.9 0.6	
2244 -0.1 0.0		2153 0.1 0.0		2358 0.1 0.0		2319 0.0 0.0		2235 0.3 0.1		2202 0.2 0.1	
8 0507 2.5 0.8		23 0350 2.5 0.8		8 0620 2.4 0.7		23 0524 2.8 0.9		8 0452 2.2 0.7		23 0400 2.7 0.8	
Sa 1135 -0.1 0.0		Su 1052 -0.1 0.0		Tu 1251 -0.1 0.0		W 1218 -0.4 -0.1		Tu 1126 0.1 0.0		W 1101 -0.1 0.0	
1740 1.8 0.5		1619 1.8 0.5		1852 1.7 0.5		1804 1.9 0.6		1732 1.7 0.5		1647 2.0 0.6	
2335 0.0 0.0		2246 0.0 0.0						2331 0.3 0.1		2308 0.1 0.0	
9 0558 2.6 0.8		24 0447 2.7 0.8		9 0047 0.1 0.0		24 0018 -0.2 -0.1		9 0545 2.3 0.7		24 0509 2.7 0.8	
Su 1230 -0.2 -0.1		M 1146 -0.3 -0.1		W 0702 2.4 0.7		Th 0623 2.9 0.9		W 1217 0.0 0.0		Th 1157 -0.2 -0.1	
1830 1.7 0.5		1721 1.8 0.5		1333 -0.2 -0.1		1312 -0.5 -0.2		1822 1.8 0.5		1751 2.2 0.7	
		2341 -0.1 0.0		1933 1.7 0.5		1900 2.2 0.7					
10 0023 0.0 0.0		25 0542 2.9 0.9		10 0132 0.0 0.0		25 0115 -0.4 -0.1		10 0022 0.2 0.1		25 0009 -0.1 0.0	
M 0644 2.6 0.8		Tu 1239 -0.5 -0.2		Th 0742 2.4 0.7		F 0720 3.0 0.9		Th 0633 2.3 0.7		F 0612 2.8 0.9	
1317 -0.2 -0.1		1820 1.9 0.6		1415 -0.2 -0.1		1401 -0.7 -0.2		1302 0.0 0.0		1250 -0.3 -0.1	
1916 1.7 0.5				2011 1.9 0.6		1955 2.4 0.7		1907 1.9 0.6		1847 2.4 0.7	
11 0109 0.0 0.0		26 0033 -0.2 -0.1		11 0216 0.0 0.0		26 0211 -0.5 -0.2		11 0108 0.1 0.0		26 0105 -0.3 -0.1	
Tu 0726 2.6 0.8		W 0638 3.0 0.9		F 0819 2.5 0.8		Sa 0814 3.0 0.9		F 0712 2.4 0.7		Sa 0710 2.8 0.9	
1400 -0.3 -0.1		1331 -0.7 -0.2		1454 -0.3 -0.1		1450 -0.7 -0.2		1344 -0.1 0.0		1339 -0.4 -0.1	
1958 1.8 0.5		1915 2.1 0.6		2049 2.0 0.6		2046 2.6 0.8		1942 2.1 0.6		1939 2.7 0.8	
12 0155 0.0 0.0		27 0128 -0.4 -0.1		12 0258 -0.1 0.0		27 0304 -0.7 -0.2		12 0152 0.0 0.0		27 0200 -0.5 -0.2	
W 0803 2.6 0.8		Th 0731 3.2 1.0		Sa 0855 2.5 0.8		Su 0907 3.0 0.9		Sa 0752 2.4 0.7		Su 0803 2.9 0.9	
1440 -0.3 -0.1		1421 -0.8 -0.2		1532 -0.4 -0.1		1537 -0.8 -0.2		1423 -0.2 -0.1		1427 -0.5 -0.2	
2035 1.8 0.5		2009 2.2 0.7		2125 2.1 0.6		2134 2.7 0.8		2019 2.2 0.7		2026 2.9 0.9	
13 0237 0.0 0.0		28 0221 -0.5 -0.2		13 0339 -0.1 0.0		28 0357 -0.7 -0.2		13 0235 -0.1 0.0		28 0251 -0.6 -0.2	
Th 0839 2.6 0.8		F 0826 3.2 1.0		Su 0930 2.5 0.8		M 0957 2.9 0.9		Su 0829 2.5 0.8		M 0854 2.8 0.9	
1520 -0.3 -0.1		1511 -0.9 -0.3		1611 -0.4 -0.1		1625 -0.7 -0.2		1500 -0.3 -0.1		1513 -0.5 -0.2	
2112 1.9 0.6		2102 2.4 0.7		2159 2.1 0.6		2225 2.8 0.9		2052 2.3 0.7		2114 3.0 0.9	
14 0319 0.0 0.0		29 0315 -0.6 -0.2		14 0420 -0.1 0.0				14 0315 -0.2 -0.1		29 0342 -0.6 -0.2	
F 0916 2.6 0.8		Sa 0918 3.2 1.0		M 1006 2.5 0.8				M 0904 2.5 0.8		Tu 0940 2.7 0.8	
1602 -0.3 -0.1		1600 -0.9 -0.3		1649 -0.3 -0.1				1537 -0.3 -0.1		1558 -0.4 -0.1	
2150 1.9 0.6		2153 2.5 0.8		2235 2.2 0.7				2127 2.5 0.8		2200 3.1 0.9	
15 0401 0.0 0.0		30 0411 -0.6 -0.2		15 0503 -0.1 0.0				15 0356 -0.2 -0.1		30 0432 -0.6 -0.2	
Sa 0952 2.6 0.8		Su 1011 3.1 0.9		Tu 1044 2.4 0.7				Tu 0941 2.5 0.8		W 1027 2.6 0.8	
1640 -0.3 -0.1		1650 -0.9 -0.3		1728 -0.3 -0.1				1614 -0.2 -0.1		1642 -0.3 -0.1	
2228 2.0 0.6		2246 2.6 0.8		2311 2.3 0.7				2200 2.6 0.8		2245 3.0 0.9	
		31 0507 -0.6 -0.2								31 0521 -0.5 -0.2	
		M 1106 2.9 0.9								Th 1114 2.4 0.7	
		1741 -0.8 -0.2								1730 -0.2 -0.1	
		2339 2.6 0.8								2331 2.9 0.9	

Time meridian 75° W. 0000 is midnight. 1200 is noon.

Heights are referred to mean low water which is the chart datum of soundings.

BRIDGEPORT, CONN., 1983
Times and Heights of High and Low Waters

JANUARY				FEBRUARY				MARCH			
Time		Height		Time		Height		Time		Height	
Day				Day				Day			
h m	ft	m		h m	ft	m		h m	ft	m	
1 0004	6.8	2.1		16 0016	6.2	1.9		1 0017	7.3	2.2	
Sa 0612	-0.8	-0.2		Su 0621	0.1	0.0		W 0634	-1.4	-0.4	
1222	7.7	2.3		1227	6.8	2.1		Tu 1243	7.2	2.2	
1849	-1.4	-0.4		1848	-0.3	-0.1		1857	-1.2	-0.4	
2 0059	6.8	2.1		17 0051	6.3	1.9		2 0105	7.3	2.2	
Su 0707	-0.7	-0.2		M 0659	0.2	0.1		W 0725	-1.3	-0.4	
1318	7.5	2.3		1302	6.7	2.0		1332	6.9	2.1	
1944	-1.2	-0.4		1923	-0.2	-0.1		1944	-0.9	-0.3	
3 0155	6.8	2.1		18 0128	6.3	1.9		3 0153	7.0	2.1	
M 0806	-0.6	-0.2		Tu 0736	0.2	0.1		Th 0815	-1.0	-0.3	
1415	7.1	2.2		1341	6.5	2.0		1421	6.4	2.0	
2040	-0.9	-0.3		2000	-0.1	0.0		2034	-0.5	-0.2	
4 0251	6.7	2.0		19 0208	6.3	1.9		4 0243	6.8	2.1	
Tu 0906	-0.4	-0.1		W 0819	0.3	0.1		F 0908	-0.6	-0.2	
1514	6.7	2.0		1422	6.3	1.9		1512	6.0	1.8	
2135	-0.6	-0.2		2040	0.0	0.0		2125	-0.1	0.0	
5 0350	6.6	2.0		20 0249	6.3	1.9		5 0335	6.5	2.0	
W 1009	-0.3	-0.1		Th 0904	0.3	0.1		Sa 1003	-0.2	-0.1	
1615	6.3	1.9		1509	6.1	1.9		1608	5.7	1.7	
2234	-0.4	-0.1		2122	0.1	0.0		2220	0.3	0.1	
6 0449	6.5	2.0		21 0337	6.4	2.0		6 0431	6.2	1.9	
Th 1111	-0.2	-0.1		F 0954	0.3	0.1		Su 1101	0.2	0.1	
1718	6.0	1.8		1559	5.9	1.8		1708	5.5	1.7	
2333	-0.1	0.0		2213	0.2	0.1		2317	0.6	0.2	
7 0549	6.5	2.0		22 0428	6.4	2.0		7 0531	6.1	1.9	
F 1214	-0.2	-0.1		Sa 1055	0.3	0.1		M 1159	0.4	0.1	
1820	5.8	1.8		1656	5.7	1.7		1807	5.4	1.6	
				2309	0.3	0.1					
8 0032	0.0	0.0		23 0527	6.5	2.0		8 0017	0.8	0.2	
Sa 0648	6.6	2.0		Su 1156	0.1	0.0		Tu 0630	6.1	1.9	
1315	-0.2	-0.1		1759	5.6	1.7		1259	0.5	0.2	
1919	5.7	1.7						1904	5.5	1.7	
9 0126	0.0	0.0		24 0009	0.2	0.1		9 0114	0.8	0.2	
Su 0740	6.6	2.0		M 0627	6.6	2.0		W 0725	6.2	1.9	
1408	-0.3	-0.1		1300	-0.1	0.0		1352	0.4	0.1	
2014	5.7	1.7		1904	5.7	1.7		1957	5.7	1.7	
10 0217	0.1	0.0		25 0111	0.1	0.0		10 0207	0.7	0.2	
M 0831	6.7	2.0		Tu 0729	6.9	2.1		Th 0817	6.4	2.0	
1459	-0.4	-0.1		1401	-0.5	-0.2		1438	0.3	0.1	
2102	5.8	1.8		2006	5.9	1.8		2044	6.0	1.8	
11 0305	0.1	0.0		26 0214	-0.2	-0.1		11 0254	0.5	0.2	
Tu 0917	6.8	2.1		W 0828	7.2	2.2		F 0902	6.5	2.0	
1544	-0.4	-0.1		1500	-0.8	-0.2		1521	0.1	0.0	
2145	5.9	1.8		2105	6.2	1.9		2126	6.3	1.9	
12 0348	0.0	0.0		27 0313	-0.5	-0.2		12 0336	0.2	0.1	
W 0958	6.9	2.1		Th 0927	7.4	2.3		Sa 0944	6.7	2.0	
1624	-0.5	-0.2		1556	-1.2	-0.4		1600	-0.1	0.0	
2226	6.0	1.8		2203	6.5	2.0		2204	6.5	2.0	
13 0429	0.1	0.0		28 0410	-0.8	-0.2		13 0416	0.0	0.0	
Th 1038	6.9	2.1		F 1022	7.6	2.3		Su 1021	6.8	2.1	
1701	-0.4	-0.1		1650	-1.4	-0.4		1637	-0.2	-0.1	
2303	6.1	1.9		2256	6.8	2.1		2241	6.7	2.0	
14 0508	0.1	0.0		29 0505	-1.0	-0.3		14 0453	-0.3	-0.1	
F 1114	6.9	2.1		Sa 1116	7.7	2.3		M 1058	6.9	2.1	
1737	-0.4	-0.1		1741	-1.5	-0.5		1712	-0.3	-0.1	
2340	6.2	1.9		2349	7.0	2.1		2316	6.9	2.1	
15 0544	0.1	0.0		30 0558	-1.2	-0.4		15 0530	-0.4	-0.1	
Sa 1150	6.9	2.1		Su 1209	7.6	2.3		Tu 1133	6.9	2.1	
1813	-0.3	-0.1		1832	-1.5	-0.5		1746	-0.4	-0.1	
								2351	7.0	2.1	
				31 0041	7.1	2.2		31 0038	7.4	2.3	
				M 0653	-1.2	-0.4		Th 0700	-1.2	-0.4	
				1302	7.4	2.3		1307	6.7	2.0	
				1923	-1.4	-0.4		1915	-0.5	-0.2	

Time meridian 75° W. 0000 is midnight. 1200 is noon.

Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL								MAY								JUNE								
Time		Height		Time		Height		Time		Height		Time		Height		Time		Height		Time		Height		
Day				Day				Day				Day				Day				Day				
	h	m	ft	m		h	m	ft	m		h	m	ft	m		h	m	ft	m		h	m	ft	m
1	0123	7.1	2.2		16	0041	7.4	2.3		1	0138	6.9	2.1		16	0114	7.5	2.3		1	0235	6.6	2.0	
F	0747	-0.8	-0.2		Sa	0707	-0.7	-0.2		Su	0803	-0.1	0.0		M	0744	-0.6	-0.2		W	0901	0.6	0.2	
	1352	6.4	2.0			1313	6.5	2.0			1411	6.1	1.9			1355	6.6	2.0			1509	6.2	1.9	
	2000	-0.1	0.0			1917	0.1	0.0			2016	0.7	0.2			1959	0.3	0.1			2120	1.2	0.4	
2	0210	6.8	2.1		17	0128	7.3	2.2		2	0224	6.7	2.0		17	0209	7.3	2.2		2	0322	6.4	2.0	
Sa	0835	-0.4	-0.1		Su	0757	-0.5	-0.2		M	0850	0.3	0.1		Tu	0843	-0.3	-0.1		Th	0948	0.8	0.2	
	1442	6.0	1.8			1404	6.3	1.9			1458	6.0	1.8			1452	6.5	2.0			1559	6.3	1.9	
	2050	0.3	0.1			2008	0.3	0.1			2106	1.0	0.3			2101	0.5	0.2			2212	1.3	0.4	
3	0259	6.5	2.0		18	0221	7.1	2.2		3	0312	6.4	2.0		18	0312	7.0	2.1		3	0412	6.3	1.9	
Su	0927	0.1	0.0		M	0852	-0.2	-0.1		Tu	0940	0.6	0.2		W	0943	-0.1	0.0		F	1036	0.9	0.3	
	1533	5.8	1.8			1501	6.2	1.9			1549	5.9	1.8			1557	6.5	2.0			1647	6.4	2.0	
	2141	0.7	0.2			2108	0.6	0.2			2159	1.2	0.4			2210	0.6	0.2			2305	1.2	0.4	
4	0351	6.3	1.9		19	0320	6.8	2.1		4	0405	6.2	1.9		19	0417	6.7	2.0		4	0506	6.2	1.9	
M	1020	0.5	0.2		Tu	0954	0.1	0.0		W	1031	0.8	0.2		Th	1046	0.1	0.0		Sa	1126	0.9	0.3	
	1628	5.6	1.7			1605	6.1	1.9			1641	6.0	1.8			1700	6.6	2.0			1737	6.5	2.0	
	2238	1.0	0.3			2216	0.7	0.2			2255	1.3	0.4			2319	0.5	0.2			2359	1.0	0.3	
5	0447	6.1	1.9		20	0428	6.6	2.0		5	0500	6.1	1.9		20	0526	6.6	2.0		5	0559	6.2	1.9	
Tu	1115	0.7	0.2		W	1100	0.2	0.1		Th	1125	1.0	0.3		F	1150	0.1	0.0		Su	1215	0.8	0.2	
	1724	5.6	1.7			1713	6.1	1.9			1734	6.1	1.9			1805	6.7	2.0			1827	6.7	2.0	
	2338	1.2	0.4			2328	0.7	0.2			2351	1.3	0.4							20	0109	-0.2	-0.1	
6	0546	6.0	1.8		21	0538	6.6	2.0		6	0554	6.1	1.9		21	0025	0.3	0.1		6	0051	0.7	0.2	
W	1214	0.8	0.2		Th	1208	0.2	0.1		F	1216	0.9	0.3		Sa	0632	6.6	2.0		M	0652	6.2	1.9	
	1823	5.8	1.8			1821	6.3	1.9			1826	6.3	1.9			1252	0.1	0.0			1303	0.7	0.2	
															1905	7.0	2.1			1916	6.9	2.1		
7	0036	1.1	0.3		22	0037	0.4	0.1		7	0045	1.1	0.3		22	0127	-0.1	0.0		7	0141	0.4	0.1	
Th	0642	6.1	1.9		F	0647	6.6	2.0		Sa	0648	6.2	1.9		Su	0735	6.6	2.0		Tu	0744	6.3	1.9	
	1306	0.8	0.2			1311	0.0	0.0			1306	0.8	0.2			1348	-0.1	0.0			1352	0.5	0.2	
	1915	6.0	1.8			1922	6.7	2.0			1916	6.5	2.0			2001	7.3	2.2			2004	7.2	2.2	
8	0129	0.9	0.3		23	0141	0.0	0.0		8	0137	0.8	0.2		23	0225	-0.4	-0.1		8	0232	0.0	0.0	
F	0735	6.3	1.9		Sa	0751	6.8	2.1		Su	0737	6.3	1.9		M	0833	6.7	2.0		W	0835	6.4	2.0	
	1356	0.6	0.2			1409	-0.2	-0.1			1353	0.6	0.2			1441	-0.2	-0.1			1441	0.3	0.1	
	2001	6.3	1.9			2020	7.0	2.1			2001	6.8	2.1			2051	7.4	2.3			2051	7.5	2.3	
9	0217	0.7	0.2		24	0241	-0.5	-0.2		9	0222	0.4	0.1		24	0317	-0.4	-0.2		9	0321	-0.4	-0.1	
Sa	0823	6.5	2.0		Su	0849	6.9	2.1		M	0825	6.5	2.0		Tu	0923	6.7	2.0		Th	0923	6.5	2.0	
	1441	0.4	0.1			1503	-0.4	-0.1			1438	0.4	0.1			1529	-0.2	-0.1			1527	0.1	0.0	
	2046	6.6	2.0			2111	7.4	2.3			2044	7.1	2.2			2138	7.5	2.3			2139	7.7	2.3	
10	0302	0.3	0.1		25	0334	-0.9	-0.3		10	0307	0.0	0.0		25	0404	-0.9	-0.3		10	0408	-0.7	-0.2	
Su	0907	6.6	2.0		M	0940	7.0	2.1		Tu	0911	6.6	2.0		W	1011	6.6	2.0		F	1012	6.7	2.0	
	1521	0.2	0.1			1552	-0.6	-0.2			1519	0.2	0.1			1614	-0.2	-0.1			1615	0.0	0.0	
	2126	6.8	2.1			2159	7.6	2.3			2126	7.3	2.2			2224	7.6	2.3			2227	7.9	2.4	
11	0344	0.0	0.0		26	0422	-1.1	-0.3		11	0351	-0.4	-0.1		26	0448	-0.9	-0.3		11	0457	-0.9	-0.3	
M	0947	6.8	2.1		Tu	1029	7.0	2.1		W	0954	6.7	2.0		Th	1055	6.6	2.0		Sa	1103	6.8	2.1	
	1559	0.0	0.0			1636	-0.6	-0.2			1600	0.0	0.0			1658	-0.1	0.0			1705	-0.1	0.0	
	2203	7.1	2.2			2245	7.6	2.3			2208	7.5	2.3			2306	7.5	2.3			2317	7.9	2.4	
12	0422	-0.4	-0.1		27	0508	-1.2	-0.4		12	0435	-0.7	-0.2		27	0531	-0.8	-0.2		12	0546	-1.0	-0.3	
Tu	1027	6.8	2.1		W	1115	6.9	2.1		Th	1037	6.8	2.1		F	1138	6.5	2.0		Su	1154	6.8	2.1	
	1636	-0.2	-0.1			1721	-0.6	-0.2			1643	-0.1	0.0			1740	0.1	0.0			1757	-0.1	0.0	
	2242	7.2	2.2			2329	7.6	2.3			2251	7.7	2.3			2347	7.3	2.2						
13	0501	-0.6	-0.2		28	0553	-1.1	-0.3		13	0518	-0.8	-0.2		28	0613	-0.6	-0.2		13	0008	7.9	2.4	
W	1107	6.8	2.1		Th	1158	6.7	2.0		F	1124	6.8	2.1		Sa	1219	6.4	2.0		M	0638	-0.9	-0.3	
	1714	-0.2	-0.1			1803	-0.4	-0.1			1726	-0.1	0.0			1820	0.3	0.1			1246	6.9	2.1	
	2321	7.4	2.3								2337	7.7	2.3								1851	0.0	0.0	
14	0540	-0.7	-0.2		29	0012	7.4	2.3		14	0603	-0.9	-0.3		29	0028	7.2	2.2		14	0102	7.7	2.3	
Th	1146	6.8	2.1		F	0636	-0.9	-0.3		Sa	1210	6.7	2.0		Su	0654	-0.3	-0.1		Tu	0731	-0.8	-0.2	
	1753	-0.2	-0.1			1243	6.5	2.0			1812	0.0	0.0			1259	6.3	1.9			1342	6.9	2.1	
	2359	7.4	2.3			1847	-0.1	0.0							1902	0.6	0.2			1950	0.1	0.0		
15	0622	-0.8	-0.2		30	0054	7.2	2.2		15	0024	7.7	2.3		30	0109	7.0	2.1		15	0200	7.4	2.3	
F	1228	6.7	2.0		Sa	0720	-0.5	-0.2		Su	0653	-0.8	-0.2		M	0734	0.0	0.0		W	0827	-0.5	-0.2	
	1832	-0.1	0.0			1326	6.3	1.9			1300	6.7	2.0			1342	6.3	1.9			1440	6.9	2.1	
						1930	0.3	0.1			1902	0.1	0.0			1947	0.8	0.2			2053	0.2	0.1	

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

JULY				AUGUST				SEPTEMBER			
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
Day	h m ft m	Day	h m ft m	Day	h m ft m	Day	h m ft m	Day	h m ft m	Day	h m ft m
1 0243 6.5 2.0 F 0904 0.5 0.2 1514 6.5 2.0 2128 1.0 0.3		16 0343 6.7 2.0 Sa 1001 -0.2 -0.1 1617 7.1 2.2 2241 -0.1 0.0		1 0338 6.2 1.9 M 0950 0.6 0.2 1607 6.8 2.1 2231 0.7 0.2		16 0521 6.0 1.8 Tu 1131 0.5 0.2 1746 6.8 2.1		1 0506 5.9 1.8 Th 1110 0.9 0.3 1731 6.9 2.1		16 0044 0.6 0.2 F 0652 5.9 1.8 1258 1.0 0.3 1911 6.6 2.0	
2 0328 6.4 2.0 Sa 0949 0.7 0.2 1602 6.6 2.0 2220 1.0 0.3		17 0446 6.4 2.0 Su 1101 0.0 0.0 1717 7.0 2.1 2343 0.0 0.0		2 0432 6.0 1.8 Tu 1042 0.7 0.2 1659 6.8 2.1 2331 0.6 0.2		17 0018 0.2 0.1 W 0623 5.9 1.8 1232 0.7 0.2 1846 6.8 2.1		2 0006 0.5 0.2 F 0611 6.0 1.8 1220 0.8 0.2 1836 7.0 2.1		17 0135 0.6 0.2 Sa 0745 6.2 1.9 1353 0.9 0.3 2001 6.8 2.1	
3 0420 6.2 1.9 Su 1034 0.7 0.2 1651 6.7 2.0 2314 0.9 0.3		18 0550 6.2 1.9 M 1200 0.2 0.1 1816 7.0 2.1		3 0531 5.9 1.8 W 1138 0.8 0.2 1757 7.0 2.1		18 0116 0.3 0.1 Th 0723 5.9 1.8 1328 0.7 0.2 1942 6.8 2.1		3 0111 0.3 0.1 Sa 0717 6.2 1.9 1327 0.6 0.2 1940 7.3 2.2		18 0225 0.5 0.2 Su 0830 6.4 2.0 1440 0.7 0.2 2049 6.9 2.1	
4 0513 6.1 1.9 M 1125 0.7 0.2 1742 6.8 2.1		19 0046 -0.1 0.0 Tu 0652 6.1 1.9 1258 0.3 0.1 1914 7.0 2.1		4 0031 0.4 0.1 Th 0634 6.0 1.8 1240 0.7 0.2 1859 7.2 2.2		19 0210 0.2 0.1 F 0817 6.1 1.9 1421 0.7 0.2 2033 7.0 2.1		4 0211 -0.1 0.0 Su 0820 6.6 2.0 1430 0.2 0.1 2041 7.5 2.3		19 0307 0.4 0.1 M 0914 6.7 2.0 1523 0.5 0.2 2129 7.0 2.1	
5 0007 0.7 0.2 Tu 0607 6.0 1.8 1219 0.7 0.2 1834 7.0 2.1		20 0144 -0.1 0.0 W 0751 6.0 1.8 1353 0.4 0.1 2007 7.1 2.2		5 0131 0.1 0.0 F 0736 6.1 1.9 1341 0.5 0.2 1957 7.4 2.3		20 0259 0.2 0.1 Sa 0905 6.3 1.9 1509 0.6 0.2 2118 7.1 2.2		5 0307 -0.5 -0.2 M 0915 7.1 2.2 1527 -0.3 -0.1 2138 7.8 2.4		20 0347 0.2 0.1 Tu 0951 6.9 2.1 1603 0.3 0.1 2207 7.1 2.2	
6 0103 0.4 0.1 W 0706 6.1 1.9 1311 0.5 0.2 1929 7.2 2.2		21 0238 -0.2 -0.1 Th 0842 6.1 1.9 1444 0.4 0.1 2057 7.2 2.2		6 0230 -0.2 -0.1 Sa 0836 6.4 2.0 1441 0.2 0.1 2055 7.7 2.3		21 0342 0.1 0.0 Su 0946 6.5 2.0 1551 0.5 0.2 2200 7.1 2.2		6 0400 -0.8 -0.2 Tu 1008 7.4 2.3 1622 -0.7 -0.2 2232 7.9 2.4		21 0422 0.1 0.0 W 1027 7.1 2.2 1640 0.1 0.0 2243 7.1 2.2	
7 0159 0.0 0.0 Th 0801 6.2 1.9 1406 0.4 0.1 2021 7.5 2.3		22 0324 -0.2 -0.1 F 0930 6.2 1.9 1531 0.4 0.1 2142 7.2 2.2		7 0326 -0.6 -0.2 Su 0932 6.8 2.1 1539 -0.1 0.0 2152 7.9 2.4		22 0419 0.0 0.0 M 1023 6.6 2.0 1632 0.4 0.1 2237 7.2 2.2		7 0451 -1.0 -0.3 W 1100 7.7 2.3 1715 -1.0 -0.3 2323 7.8 2.4		22 0457 0.0 0.0 Th 1101 7.2 2.2 1715 0.0 0.0 2318 7.1 2.2	
8 0252 -0.3 -0.1 F 0857 6.4 2.0 1501 0.2 0.1 2115 7.7 2.3		23 0407 -0.2 -0.1 Sa 1012 6.3 1.9 1614 0.4 0.1 2224 7.2 2.2		8 0419 -0.9 -0.3 M 1027 7.1 2.2 1636 -0.5 -0.2 2246 8.0 2.4		23 0456 0.0 0.0 Tu 1100 6.8 2.1 1708 0.3 0.1 2313 7.2 2.2		8 0541 -1.1 -0.3 Th 1149 7.8 2.4 1806 -1.1 -0.3		23 0529 0.0 0.0 F 1136 7.3 2.2 1752 -0.1 0.0 2354 7.0 2.1	
9 0347 -0.6 -0.2 Sa 0950 6.6 2.0 1555 0.0 0.0 2208 7.9 2.4		24 0448 -0.2 -0.1 Su 1052 6.4 2.0 1656 0.4 0.1 2301 7.2 2.2		9 0512 -1.1 -0.3 Tu 1119 7.4 2.3 1731 -0.7 -0.2 2340 8.0 2.4		24 0530 0.0 0.0 W 1134 6.9 2.1 1743 0.2 0.1 2347 7.1 2.2		9 0015 7.6 2.3 F 0628 -1.0 -0.3 1238 7.8 2.4 1857 -1.1 -0.3		24 0604 0.0 0.0 Sa 1209 7.3 2.2 1828 -0.1 0.0	
10 0438 -0.9 -0.3 Su 1045 6.9 2.1 1649 -0.2 -0.1 2301 8.0 2.4		25 0525 -0.1 0.0 M 1130 6.5 2.0 1734 0.4 0.1 2339 7.1 2.2		10 0602 -1.1 -0.3 W 1211 7.5 2.3 1825 -0.8 -0.2		25 0604 0.0 0.0 Th 1209 7.0 2.1 1820 0.2 0.1		10 0105 7.3 2.2 Sa 0718 -0.7 -0.2 1329 7.6 2.3 1951 -0.8 -0.2		25 0031 6.8 2.1 Su 0638 0.1 0.0 1246 7.3 2.2 1906 -0.1 0.0	
11 0529 -1.0 -0.3 M 1138 7.1 2.2 1743 -0.3 -0.1 2354 8.0 2.4		26 0601 0.0 0.0 Tu 1206 6.6 2.0 1811 0.5 0.2		11 0033 7.8 2.4 Th 0654 -1.1 -0.3 1303 7.6 2.3 1919 -0.8 -0.2		26 0024 7.0 2.1 F 0638 0.1 0.0 1243 7.0 2.1 1856 0.2 0.1		11 0158 6.9 2.1 Su 0808 -0.3 -0.1 1419 7.3 2.2 2045 -0.5 -0.2		26 0110 6.6 2.0 M 0715 0.3 0.1 1326 7.2 2.2 1950 0.1 0.0	
12 0622 -1.1 -0.3 Tu 1230 7.2 2.2 1840 -0.4 -0.1		27 0015 7.1 2.2 W 0635 0.0 0.0 1241 6.7 2.0 1849 0.5 0.2		12 0126 7.5 2.3 F 0744 -0.8 -0.2 1355 7.5 2.3 2016 -0.6 -0.2		27 0057 6.8 2.1 Sa 0710 0.2 0.1 1319 7.0 2.1 1934 0.2 0.1		12 0252 6.4 2.0 M 0901 0.1 0.0 1515 7.0 2.1 2143 -0.1 0.0		27 0154 6.4 2.0 Tu 0755 0.5 0.2 1411 7.1 2.2 2037 0.2 0.1	
13 0049 7.8 2.4 W 0715 -1.0 -0.3 1325 7.2 2.2 1936 -0.4 -0.1		28 0051 6.9 2.1 Th 0710 0.1 0.0 1317 6.7 2.0 1926 0.6 0.2		13 0221 7.0 2.1 Sa 0837 -0.5 -0.2 1450 7.3 2.2 2113 -0.4 -0.1		28 0136 6.6 2.0 Su 0747 0.3 0.1 1357 7.0 2.1 2016 0.3 0.1		13 0348 6.1 1.9 Tu 0957 0.5 0.2 1613 6.8 2.1 2242 0.3 0.1		28 0245 6.2 1.9 W 0847 0.8 0.2 1503 7.0 2.1 2136 0.4 0.1	
14 0145 7.5 2.3 Th 0808 -0.8 -0.2 1421 7.2 2.2 2037 -0.3 -0.1		29 0128 6.8 2.1 F 0747 0.2 0.1 1355 6.7 2.0 2008 0.6 0.2		14 0320 6.6 2.0 Su 0932 -0.1 0.0 1546 7.1 2.2 2213 -0.2 -0.1		29 0219 6.4 2.0 M 0826 0.5 0.2 1440 7.0 2.1 2105 0.4 0.1		14 0450 5.9 1.8 W 1058 0.9 0.3 1711 6.6 2.0 2344 0.5 0.2		29 0341 6.0 1.8 Th 0946 1.0 0.3 1605 6.9 2.1 2239 0.6 0.2	
15 0243 7.1 2.2 F 0904 -0.5 -0.2 1517 7.1 2.2 2138 -0.2 -0.1		30 0208 6.6 2.0 Sa 0824 0.4 0.1 1435 6.8 2.1 2050 0.6 0.2		15 0420 6.2 1.9 M 1031 0.2 0.1 1646 6.9 2.1 2316 0.1 0.0		30 0306 6.2 1.9 Tu 0912 0.7 0.2 1528 6.9 2.1 2158 0.5 0.2		15 0552 5.8 1.8 Th 1201 1.0 0.3 1812 6.5 2.0		30 0447 6.0 1.8 F 1057 1.1 0.3 1713 6.8 2.1 2347 0.5 0.2	
		31 0253 6.4 2.0 Su 0904 0.5 0.2 1516 6.8 2.1 2138 0.7 0.2				31 0402 6.0 1.8 W 1007 0.8 0.2 1626 6.9 2.1 2301 0.6 0.2					

Time meridian 75° W. 0000 is midnight. 1200 is noon.

Heights are referred to mean low water which is the chart datum of soundings.

Times and Heights of High and Low Waters

APRIL									MAY									JUNE																	
Time			Height			Time			Height			Time			Height			Time			Height			Time			Height								
Day	h	m	ft	m		Day	h	m	ft	m		Day	h	m	ft	m		Day	h	m	ft	m		Day	h	m	ft	m							
1	0548		0.0	0.0		16	0509		-0.1	0.0		1	0609		0.2	0.1		16	0546		0.0	0.0		1	0039		2.3	0.7		16	0102		2.9	0.9	
F	1150		2.4	0.7		Sa	1108		2.3	0.7		Su	1207		2.1	0.6		M	1148		2.4	0.7		W	0708		0.2	0.1		Th	0726		0.1	0.0	
	1753		0.0	0.0			1706		-0.1	0.0			1802		0.3	0.1			1746		0.1	0.0			1311		1.9	0.6			1339		2.6	0.8	
							2333		2.9	0.9															1905		0.4	0.1			1945		0.2	0.1	
2	0015		2.8	0.9		17	0557		0.1	0.0		2	0027		2.6	0.8		17	0015		3.0	0.9		2	0123		2.2	0.7		17	0203		2.8	0.9	
Sa	0636		0.2	0.1		Su	1157		2.3	0.7		M	0655		0.3	0.1		Tu	0642		0.1	0.0		Th	0752		0.2	0.1		F	0825		0.2	0.1	
	1234		2.2	0.7			1754		0.1	0.0			1255		2.0	0.6			1246		2.4	0.7			1401		1.9	0.6			1441		2.7	0.8	
	1836		0.2	0.1									1849		0.4	0.1			1847		0.2	0.1			1958		0.4	0.1			2054		0.3	0.1	
3	0102		2.6	0.8		18	0025		2.9	0.9		3	0112		2.4	0.7		18	0113		2.9	0.9		3	0213		2.1	0.6		18	0305		2.6	0.8	
Su	0727		0.3	0.1		M	0652		0.2	0.1		Tu	0742		0.3	0.1		W	0742		0.2	0.1		F	0838		0.2	0.1		Sa	0923		0.2	0.1	
	1324		2.1	0.6			1250		2.3	0.7			1345		1.9	0.6			1349		2.5	0.8			1453		1.9	0.6			1545		2.7	0.8	
	1924		0.4	0.1			1852		0.2	0.1			1939		0.5	0.2			1953		0.3	0.1			2055		0.4	0.1			2201		0.3	0.1	
4	0150		2.4	0.7		19	0124		2.8	0.9		4	0203		2.3	0.7		19	0219		2.8	0.9		4	0304		2.0	0.6		19	0407		2.5	0.8	
M	0821		0.4	0.1		Tu	0753		0.3	0.1		W	0835		0.4	0.1		Th	0845		0.3	0.1		Sa	0924		0.2	0.1		Su	1021		0.2	0.1	
	1416		1.9	0.6			1355		2.3	0.7			1440		1.9	0.6			1458		2.5	0.8			1545		2.0	0.6			1647		2.8	0.9	
	2015		0.5	0.2			1958		0.4	0.1			2036		0.5	0.2			2105		0.4	0.1			2153		0.3	0.1			2307		0.3	0.1	
5	0246		2.3	0.7		20	0230		2.8	0.9		5	0257		2.2	0.7		20	0326		2.7	0.8		5	0357		2.0	0.6		20	0507		2.4	0.7	
Tu	0920		0.5	0.2		W	0900		0.4	0.1		Th	0929		0.4	0.1		F	0948		0.3	0.1		Su	1013		0.1	0.0		M	1115		0.1	0.0	
	1520		1.8	0.5			1505		2.3	0.7			1539		1.9	0.6			1606		2.6	0.8			1634		2.1	0.6			1745		2.8	0.9	
	2116		0.5	0.2			2112		0.4	0.1			2136		0.5	0.2			2218		0.4	0.1			2250		0.2	0.1							
6	0344		2.2	0.7		21	0340		2.7	0.8		6	0353		2.1	0.6		21	0430		2.7	0.8		6	0450		1.9	0.6		21	0008		0.2	0.1	
W	1017		0.4	0.1		Th	1009		0.4	0.1		F	1021		0.3	0.1		Sa	1049		0.2	0.1		M	1059		0.0	0.0		Tu	0603		2.3	0.7	
	1621		1.8	0.5			1618		2.4	0.7			1633		1.9	0.6			1707		2.7	0.8			1723		2.3	0.7			1208		0.1	0.0	
	2218		0.4	0.1			2228		0.4	0.1			2236		0.4	0.1			2324		0.3	0.1			2342		0.1	0.0			1835		2.8	0.9	
7	0444		2.2	0.7		22	0449		2.8	0.9		7	0449		2.1	0.6		22	0532		2.6	0.8		7	0542		2.0	0.6		22	0101		0.1	0.0	
Th	1113		0.3	0.1		F	1114		0.3	0.1		Sa	1108		0.2	0.1		Su	1144		0.1	0.0		Tu	1146		-0.1	0.0		W	0656		2.2	0.7	
	1717		1.8	0.5			1725		2.6	0.8			1723		2.1	0.6			1806		2.8	0.9			1811		2.5	0.8			1256		0.0	0.0	
	2318		0.3	0.1			2336		0.2	0.1			2331		0.2	0.1																1923		2.8	0.9
8	0536		2.2	0.7		23	0554		2.8	0.9		8	0539		2.1	0.6		23	0024		0.1	0.0		8	0033		-0.1	0.0		23	0151		0.0	0.0	
F	1201		0.2	0.1		Sa	1211		0.1	0.0		Su	1152		0.0	0.0		M	0629		2.6	0.8		W	0632		2.0	0.6		Th	0744		2.1	0.6	
	1806		1.9	0.6			1824		2.8	0.9			1808		2.2	0.7			1236		0.0	0.0			1233		-0.2	-0.1			1342		0.0	0.0	
																			1857		2.9	0.9			1901		2.6	0.8			2008		2.8	0.9	
9	0011		0.2	0.1		24	0038		0.1	0.0		9	0021		0.0	0.0		24	0117		0.0	0.0		9	0125		-0.2	-0.1		24	0236		-0.1	0.0	
Sa	0625		2.2	0.7		Su	0651		2.8	0.9		M	0625		2.1	0.6		Tu	0720		2.5	0.8		Th	0721		2.1	0.6		F	0830		2.1	0.6	
	1243		0.0	0.0			1302		0.0	0.0			1234		-0.1	0.0			1323		-0.1	0.0			1318		-0.3	-0.1			1424		-0.1	0.0	
	1851		2.1	0.6			1917		2.9	0.9			1853		2.4	0.7			1946		3.0	0.9			1947		2.8	0.9			2051		2.7	0.8	
10	0059		0.0	0.0		25	0134		-0.1	0.0		10	0107		-0.1	0.0		25	0207		-0.1	0.0		10	0214		-0.3	-0.1		25	0318		-0.1	0.0	
Su	0709		2.2	0.7		W	0741		2.8	0.9		Tu	0711		2.1	0.6		W	0807		2.4	0.7		F	0810		2.2	0.7		Sa	0914		2.0	0.6	
	1322		-0.1	0.0			1351		-0.1	0.0			1315		-0.2	-0.1			1407		-0.1	0.0			1407		-0.4	-0.1			1506		-0.1	0.0	
	1933		2.2	0.7			2007		3.1	0.9			1934		2.5	0.8			2030		3.0	0.9			2037		3.0	0.9			2131		2.6	0.8	
11	0141		-0.2	-0.1		26	0224		-0.2	-0.1		11	0154		-0.2	-0.1		26	0254		-0.1	0.0		11	0301		-0.4	-0.1		26	0358		-0.2	-0.1	
M	0750		2.2	0.7		Tu	0831		2.7	0.8		W	0753		2.2	0.7		Th	0852		2.3	0.7		Sa	0900		2.3	0.7		Su	0955		2.0	0.6	
	1359		-0.2	-0.1			1436		-0.2	-0.1			1353		-0.3	-0.1			1449		-0.1	0.0			1457		-0.4	-0.1			1547		-0.1	0.0	
	2010		2.4	0.7			2054		3.1	0.9			2016		2.7	0.8			2111		2.9	0.9			2126		3.1	0.9			2210		2.6	0.8	
12	0223		-0.3	-0.1		27	0312		-0.2	-0.1		12	0236		-0.3	-0.1		27	0339		-0.1	0.0		12	0352		-0.3	-0.1		27	0437		-0.1	0.0	
Tu	0828		2.3	0.7		W	0916		2.7	0.8		Th	0837		2.3	0.7		F	0935		2.2	0.7		Su	0951		2.4	0.7		M	1035		2.0	0.6	
	1434		-0.3	-0.1			1518		-0.2	-0.1			1436		-0.3	-0.1			1530		-0.1	0.0			1549		-0.3	-0.1			1627		0.0	0.0	
	2047		2.5	0.8			2137		3.1	0.9			2059		2.9	0.9			2155		2.8	0.9			2217		3.1	0.9			2247		2.5	0.8	
13	0303		-0.3	-0.1		28	0358		-0.2	-0.1		13	0322		-0.3	-0.1		28	0421		-0.1	0.0		13	0442		-0.3	-0.1		28	0514		-0.1	0.0	
W	0908		2.3	0.7		Th	0958		2.5	0.8		F	0920		2.3	0.7		Sa	1016		2.1	0.6		M	1044		2.5	0.8		Tu	1114		1.9	0.6	
	1509		-0.3	-0.1			1558		-0.1	0.0			15																						

HAMPTON ROADS (Sewells Pt.), VA., 1983

Times and Heights of High and Low Waters

JULY								AUGUST								SEPTEMBER							
Time		Height		Time		Height		Time		Height		Time		Height		Time		Height					
Day				Day				Day				Day				Day							
	h	m	ft	m		h	m	ft	m		h	m	ft	m		h	m	ft	m				
1	0045	2.2	0.7	16	0142	2.8	0.9	1	0132	2.1	0.6	16	0310	2.4	0.7	1	0250	2.2	0.7				
F	0708	0.1	0.0	Sa	0758	0.1	0.0	M	0742	0.2	0.1	Tu	0915	0.5	0.2	Th	0857	0.4	0.1				
	1320	2.0	0.6		1420	2.8	0.9		1409	2.4	0.7		1550	2.8	0.9		1536	2.8	0.9				
	1920	0.3	0.1		2035	0.3	0.1		2027	0.4	0.1		2219	0.6	0.2		2205	0.6	0.2				
2	0127	2.1	0.6	17	0241	2.6	0.8	2	0222	2.0	0.6	17	0414	2.2	0.7	2	0401	2.3	0.7				
Sa	0748	0.1	0.0	Su	0853	0.2	0.1	Tu	0831	0.2	0.1	W	1015	0.5	0.2	F	1006	0.4	0.1				
	1406	2.0	0.6		1520	2.8	0.9		1505	2.5	0.8		1649	2.7	0.8		1644	2.9	0.9				
	2011	0.3	0.1		2140	0.4	0.1		2126	0.4	0.1		2320	0.6	0.2		2314	0.5	0.2				
3	0212	2.0	0.6	18	0340	2.4	0.7	3	0321	2.0	0.6	18	0513	2.1	0.6	3	0513	2.4	0.7				
Su	0830	0.1	0.0	M	0949	0.3	0.1	W	0927	0.2	0.1	Th	1113	0.5	0.2	Sa	1118	0.3	0.1				
	1454	2.1	0.6		1619	2.8	0.9		1604	2.6	0.8		1744	2.7	0.8		1750	3.0	0.9				
	2106	0.3	0.1		2245	0.4	0.1		2231	0.3	0.1												
4	0306	1.9	0.6	19	0440	2.2	0.7	4	0423	2.0	0.6	19	0017	0.5	0.2	4	0016	0.3	0.1				
M	0918	0.1	0.0	Tu	1046	0.3	0.1	Th	1029	0.1	0.0	F	0611	2.1	0.6	Su	0617	2.6	0.8				
	1548	2.2	0.7		1717	2.7	0.8		1706	2.7	0.8		1206	0.4	0.1		1224	0.1	0.0				
	2204	0.2	0.1		2347	0.4	0.1		2336	0.2	0.1		1834	2.7	0.8		1851	3.2	1.0				
5	0402	1.9	0.6	20	0539	2.1	0.6	5	0529	2.1	0.6	20	0106	0.3	0.1	5	0113	0.1	0.0				
Tu	1009	0.0	0.0	W	1140	0.2	0.1	F	1132	0.0	0.0	Sa	0701	2.1	0.6	M	0717	2.9	0.9				
	1641	2.4	0.7		1812	2.7	0.8		1807	2.9	0.9		1257	0.3	0.1		1325	0.0	0.0				
	2304	0.1	0.0										1920	2.6	0.8		1946	3.3	1.0				
6	0457	1.9	0.6	21	0040	0.3	0.1	6	0037	0.1	0.0	21	0147	0.2	0.1	6	0205	0.0	0.0				
W	1101	-0.1	0.0	Th	0635	2.1	0.6	Sa	0633	2.3	0.7	Su	0746	2.2	0.7	Tu	0813	3.1	0.9				
	1736	2.5	0.8		1231	0.2	0.1		1237	-0.1	0.0		1341	0.2	0.1		1421	-0.1	0.0				
					1859	2.7	0.8		1906	3.1	0.9		2002	2.6	0.8		2039	3.4	1.0				
7	0002	0.0	0.0	22	0130	0.1	0.0	7	0133	-0.1	0.0	22	0224	0.1	0.0	7	0255	-0.1	0.0				
Th	0556	2.0	0.6	F	0722	2.0	0.6	Su	0733	2.5	0.8	M	0825	2.2	0.7	W	0905	3.3	1.0				
	1158	-0.2	-0.1		1320	0.1	0.0		1333	-0.2	-0.1		1423	0.1	0.0		1516	-0.2	-0.1				
	1832	2.7	0.8		1945	2.7	0.8		2002	3.2	1.0		2040	2.6	0.8		2131	3.4	1.0				
8	0058	-0.1	0.0	23	0213	0.0	0.0	8	0226	-0.2	-0.1	23	0301	0.0	0.0	8	0343	-0.1	0.0				
F	0653	2.1	0.6	Sa	0807	2.0	0.6	M	0828	2.7	0.8	Tu	0904	2.3	0.7	Th	0955	3.4	1.0				
	1253	-0.3	-0.1		1403	0.0	0.0		1432	-0.3	-0.1		1503	0.0	0.0		1608	-0.1	0.0				
	1925	2.9	0.9		2028	2.6	0.8		2056	3.3	1.0		2119	2.6	0.8		2220	3.3	1.0				
9	0153	-0.3	-0.1	24	0254	-0.1	0.0	9	0316	-0.3	-0.1	24	0334	-0.1	0.0	9	0429	-0.1	0.0				
Sa	0749	2.2	0.7	Su	0851	2.0	0.6	Tu	0921	2.9	0.9	W	0939	2.3	0.7	F	1043	3.4	1.0				
	1349	-0.4	-0.1		1444	0.0	0.0		1527	-0.3	-0.1		1540	0.0	0.0		1658	0.0	0.0				
	2018	3.1	0.9		2108	2.6	0.8		2149	3.3	1.0		2152	2.6	0.8		2307	3.2	1.0				
10	0244	-0.3	-0.1	25	0331	-0.1	0.0	10	0407	-0.3	-0.1	25	0407	0.0	0.0	10	0517	0.1	0.0				
Su	0842	2.4	0.7	M	0931	2.0	0.6	W	1015	3.0	0.9	Th	1013	2.4	0.7	Sa	1135	3.4	1.0				
	1444	-0.4	-0.1		1526	-0.1	0.0		1623	-0.2	-0.1		1616	0.0	0.0		1751	0.2	0.1				
	2112	3.2	1.0		2145	2.5	0.8		2239	3.3	1.0		2227	2.5	0.8		2357	3.0	0.9				
11	0335	-0.4	-0.1	26	0408	-0.2	-0.1	11	0455	-0.2	-0.1	26	0439	0.0	0.0	11	0603	0.3	0.1				
M	0938	2.5	0.8	Tu	1008	2.1	0.6	Th	1108	3.1	0.9	F	1048	2.5	0.8	Su	1226	3.3	1.0				
	1539	-0.4	-0.1		1605	0.0	0.0		1717	-0.1	0.0		1654	0.1	0.0		1845	0.4	0.1				
	2203	3.2	1.0		2221	2.5	0.8		2330	3.2	1.0		2259	2.4	0.7								
12	0426	-0.3	-0.1	27	0443	-0.1	0.0	12	0545	-0.1	0.0	27	0509	0.1	0.0	12	0047	2.8	0.9				
Tu	1032	2.7	0.8	W	1047	2.1	0.6	F	1200	3.1	0.9	Sa	1125	2.5	0.8	M	0652	0.4	0.1				
	1635	-0.3	-0.1		1642	0.0	0.0		1813	0.1	0.0		1730	0.2	0.1		1319	3.1	0.9				
	2256	3.2	1.0		2257	2.4	0.7						2335	2.4	0.7		1940	0.6	0.2				
13	0518	-0.3	-0.1	28	0517	-0.1	0.0	13	0023	3.0	0.9	28	0542	0.2	0.1	13	0140	2.6	0.8				
W	1127	2.8	0.9	Th	1122	2.1	0.6	Sa	0634	0.1	0.0	Su	1202	2.6	0.8	Tu	0745	0.6	0.2				
	1732	-0.1	0.0		1721	0.1	0.0		1255	3.1	0.9		1813	0.3	0.1		1412	2.9	0.9				
	2349	3.1	0.9		2332	2.3	0.7		1909	0.3	0.1						2040	0.7	0.2				
14	0610	-0.1	0.0	29	0549	0.0	0.0	14	0115	2.8	0.9	29	0013	2.3	0.7	14	0238	2.4	0.7				
Th	1223	2.8	0.9	F	1159	2.2	0.7	Su	0727	0.3	0.1	M	0618	0.3	0.1	W	0843	0.7	0.2				
	1830	0.0	0.0		1801	0.2	0.1		1350	3.0	0.9		1243	2.6	0.8		1513	2.8	0.9				
									2009	0.5	0.2		1858	0.5	0.2		2145	0.8	0.2				
15	0044	2.9	0.9	30	0009	2.2	0.7	15	0212	2.6	0.8	30	0057	2.3	0.7	15	0343	2.3	0.7				
F	0702	0.0	0.0	Sa	0623	0.1	0.0	M	0819	0.4	0.1	Tu	0700	0.3	0.1	Th	0945	0.8	0.2				
	1319	2.8	0.9		1238	2.2	0.7		1447	2.9	0.9		1332	2.7	0.8		1613	2.7	0.8				
	1930	0.2	0.1		1844	0.3	0.1		2113	0.6	0.2		1953	0.6	0.2		2249	0.7	0.2				
				31	0047	2.2	0.7					31	0148	2.2	0.7								
				Su	0700	0.1	0.0					W	0753	0.4	0.1								
					1321	2.3	0.7						1430	2.7	0.8								
					1932	0.3	0.1						2058	0.6	0.2								

Time meridian 75° W. 0000 is midnight. 1200 is noon.

Heights are referred to mean low water which is the chart datum of soundings.

WILMINGTON, N.C., 1983

Times and Heights of High and Low Waters

JANUARY												FEBRUARY										MARCH													
Time				Time				Time				Time				Time				Time				Time				Time				Time			
Day				Day				Day				Day				Day				Day				Day				Day				Day			
h	m	ft	m	h	m	ft	m	h	m	ft	m	h	m	ft	m	h	m	ft	m	h	m	ft	m	h	m	ft	m	h	m	ft	m	h	m	ft	m
1	0523	-0.7	-0.2	16	0520	-0.2	-0.1	1	0013	4.3	1.3	16	0623	0.0	0.0	1	0539	-0.6	-0.2	16	0522	-0.1	0.0	1	0539	-0.6	-0.2	16	0522	-0.1	0.0	1	0539	-0.6	-0.2
Sa	1103	4.9	1.5	Su	1102	4.1	1.2	Tu	0649	-0.5	-0.2	W	1125	4.1	1.2	Tu	1118	4.5	1.4	W	1032	4.2	1.3	Tu	1118	4.5	1.4	W	1032	4.2	1.3	Tu	1118	4.5	1.4
	1814	-0.4	-0.1		1757	0.0	0.0		1234	4.4	1.3		1844	0.1	0.0		1806	-0.3	-0.1		1735	0.1	0.0		1806	-0.3	-0.1		1735	0.1	0.0		1806	-0.3	-0.1
	2335	4.1	1.2		2259	3.6	1.1		1923	-0.3	-0.1		2332	4.2	1.3		2345	4.6	1.4		2231	4.5	1.4		2345	4.6	1.4		2231	4.5	1.4		2345	4.6	1.4
2	0615	-0.6	-0.2	17	0559	-0.1	0.0	2	0105	4.2	1.3	17	0705	0.0	0.0	2	0627	-0.4	-0.1	17	0605	0.0	0.0	2	0627	-0.4	-0.1	17	0605	0.0	0.0	2	0627	-0.4	-0.1
Su	1159	4.7	1.4	M	1122	4.1	1.2	W	0738	-0.4	-0.1	Th	1202	4.1	1.2	W	1207	4.3	1.3	Th	1101	4.2	1.3	W	1207	4.3	1.3	Th	1101	4.2	1.3	W	1207	4.3	1.3
	1904	-0.4	-0.1		1836	0.1	0.0		1325	4.2	1.3		1921	0.0	0.0		1849	-0.2	-0.1		1813	0.1	0.0		1849	-0.2	-0.1		1813	0.1	0.0		1849	-0.2	-0.1
					2323	3.6	1.1		2009	-0.3	-0.1										2309	4.7	1.4						2309	4.7	1.4				
3	0033	4.0	1.2	18	0639	0.0	0.0	3	0201	4.2	1.3	18	0015	4.3	1.3	3	0036	4.5	1.4	18	0650	0.1	0.0	3	0036	4.5	1.4	18	0650	0.1	0.0	3	0036	4.5	1.4
M	0708	-0.5	-0.2	Tu	1149	4.0	1.2	Th	0830	-0.2	-0.1	F	0751	0.1	0.0	Th	0713	-0.2	-0.1	F	1141	4.2	1.3	Th	0713	-0.2	-0.1	F	1141	4.2	1.3	Th	0713	-0.2	-0.1
	1256	4.5	1.4		1914	0.1	0.0		1418	4.0	1.2		1247	4.0	1.2		1254	4.1	1.2		1852	0.1	0.0		1254	4.1	1.2		1852	0.1	0.0		1254	4.1	1.2
	1953	-0.3	-0.1						2054	-0.2	-0.1		2003	0.0	0.0		1931	-0.1	0.0		2353	4.7	1.4		1931	-0.1	0.0		2353	4.7	1.4		1931	-0.1	0.0
4	0132	4.0	1.2	19	0000	3.7	1.1	4	0254	4.1	1.2	19	0105	4.3	1.3	4	0126	4.4	1.3	19	0740	0.2	0.1	4	0126	4.4	1.3	19	0740	0.2	0.1	4	0126	4.4	1.3
Tu	0802	-0.4	-0.1	W	0723	0.0	0.0	F	0923	-0.1	0.0	Sa	0846	0.2	0.1	F	0803	0.0	0.0	Sa	1230	4.1	1.2	F	0803	0.0	0.0	Sa	1230	4.1	1.2	F	0803	0.0	0.0
	1353	4.3	1.3		1227	4.0	1.2		1510	3.8	1.2		1343	3.9	1.2		1345	3.9	1.2		1938	0.1	0.0		1345	3.9	1.2		1938	0.1	0.0		1345	3.9	1.2
	2043	-0.3	-0.1		1955	0.1	0.0		2142	-0.1	0.0		2049	0.0	0.0		2013	0.0	0.0						2013	0.0	0.0						2013	0.0	0.0
5	0230	4.0	1.2	20	0042	3.8	1.2	5	0347	4.0	1.2	20	0203	4.3	1.3	5	0216	4.2	1.3	20	0045	4.7	1.4	5	0216	4.2	1.3	20	0045	4.7	1.4	5	0216	4.2	1.3
W	0857	-0.3	-0.1	Th	0809	0.1	0.0	Sa	1019	0.0	0.0	Su	0949	0.3	0.1	Sa	0851	0.1	0.0	Su	0835	0.3	0.1	W	0857	-0.3	-0.1	Sa	0851	0.1	0.0	Su	0835	0.3	0.1
	1449	4.1	1.2		1311	3.9	1.2		1605	3.6	1.1		1446	3.8	1.2		1437	3.7	1.1		1327	3.9	1.2		1449	4.1	1.2		1437	3.7	1.1		1327	3.9	1.2
	2133	-0.3	-0.1		2035	0.0	0.0		2233	-0.1	0.0		2149	-0.1	0.0		2059	0.1	0.0		2028	0.1	0.0		2133	-0.3	-0.1		2059	0.1	0.0		2028	0.1	0.0
6	0326	4.0	1.2	21	0136	3.9	1.2	6	0442	4.0	1.2	21	0310	4.3	1.3	6	0311	4.1	1.2	21	0143	4.6	1.4	6	0326	4.0	1.2	21	0143	4.6	1.4	6	0326	4.0	1.2
Th	0954	-0.2	-0.1	F	0905	0.2	0.1	Su	1115	0.0	0.0	M	1055	0.3	0.1	Su	0945	0.2	0.1	M	0934	0.3	0.1	Th	0954	-0.2	-0.1	Su	0945	0.2	0.1	M	0934	0.3	0.1
	1542	3.9	1.2		1409	3.8	1.2		1700	3.6	1.1		1558	3.7	1.1		1530	3.6	1.1		1435	3.8	1.2		1542	3.9	1.2		1530	3.6	1.1		1435	3.8	1.2
	2222	-0.3	-0.1		2123	-0.1	0.0		2324	-0.2	-0.1		2255	-0.1	0.0		2150	0.1	0.0		2130	0.1	0.0		2222	-0.3	-0.1		2150	0.1	0.0		2130	0.1	0.0
7	0421	4.0	1.2	22	0232	4.0	1.2	7	0536	4.0	1.2	22	0423	4.3	1.3	7	0406	4.0	1.2	22	0254	4.5	1.4	7	0421	4.0	1.2	22	0254	4.5	1.4	7	0421	4.0	1.2
F	1051	-0.1	0.0	Sa	1008	0.2	0.1	M	1211	0.0	0.0	Tu	1201	0.2	0.1	M	1039	0.2	0.1	Tu	1039	0.3	0.1	F	1051	-0.1	0.0	Sa	1008	0.2	0.1	Tu	1039	0.3	0.1
	1638	3.8	1.2		1511	3.8	1.2		1752	3.6	1.1		1710	3.7	1.1		1626	3.5	1.1		1550	3.8	1.2		1638	3.8	1.2		1511	3.8	1.2		1550	3.8	1.2
	2313	-0.3	-0.1		2220	-0.1	0.0										2245	0.1	0.0		2238	0.1	0.0		2313	-0.3	-0.1		2220	-0.1	0.0		2238	0.1	0.0
8	0514	4.1	1.2	23	0337	4.1	1.2	8	0019	-0.2	-0.1	23	0003	-0.2	-0.1	8	0502	3.9	1.2	23	0410	4.4	1.3	8	0514	4.1	1.2	23	0410	4.4	1.3	8	0514	4.1	1.2
Sa	1147	-0.1	0.0	Su	1115	0.2	0.1	Tu	0629	4.0	1.2	W	0537	4.4	1.3	Tu	1136	0.2	0.1	W	1144	0.2	0.1	Sa	1147	-0.1	0.0	Su	1115	0.2	0.1	Tu	1136	0.2	0.1
	1729	3.7	1.1		1618	3.7	1.1		1305	0.0	0.0		1304	0.0	0.0		1722	3.6	1.1		1702	3.9	1.2		1729	3.7	1.1		1618	3.7	1.1		1702	3.9	1.2
					2321	-0.2	-0.1		1843	3.6	1.1		1817	3.9	1.2		2343	0.1	0.0		2347	0.0	0.0						2321	-0.2	-0.1		2347	0.0	0.0
9	0003	-0.4	-0.1	24	0447	4.2	1.3	9	0110	-0.3	-0.1	24	0109	-0.4	-0.1	9	0557	4.0	1.2	24	0526	4.4	1.3	9	0003	-0.4	-0.1	24	0526	4.4	1.3	9	0003	-0.4	-0.1
Su	0608	4.1	1.2	M	1222	0.1	0.0	W	0720	4.1	1.2	Th	0645	4.5	1.4	W	1230	0.1	0.0	Th	1245	0.0	0.0	Su	0608	4.1	1.2	Th	1245	0.0	0.0	Su	0608	4.1	1.2
	1243	-0.2	-0.1		1726	3.7	1.1		1355	-0.1	0.0		1404	-0.2	-0.1		1816	3.6	1.1		1808	4.0	1.2		1243	-0.2	-0.1		1816	3.6	1.1		1808	4.0	1.2
	1821	3.7	1.1						1933	3.7	1.1		1920	4.1	1.2										1821	3.7	1.1								
10	0054	-0.4	-0.1	25	0025	-0.4	-0.1	10	0200	-0.3	-0.1	25	0208	-0.5	-0.2	10	0038	0.0	0.0	25	0051	-0.2	-0.1	10	0054	-0.4	-0.1	25	0051	-0.2	-0.1	10	0038	0.0	0.0
M	0659	4.2	1.3	Tu	0555	4.4	1.3	Th	0809	4.2	1.3	F	0749	4.7	1.4	Th	0649	4.0	1.2	F	0632	4.5	1.4	M	0659	4.2	1.3	Tu	0555	4.4	1.3	F	0749	4.7	1.4
	1336	-0.2	-0.1		1325	0.0	0.0		1443	-0.1	0.0		1458	-0.3	-0.1		1322	0.0	0.0		1340	-0.2	-0.1		1336	-0.2	-0.1		1325	0.0	0.0		1443	-0.1	0.0
	1910	3.7	1.1		1832	3.8	1.2		2021	3.7	1.1		2018	4.3	1.3		1907	3.8	1.2		1907	4.3	1.3		1910	3.7	1.1		1832	3.8	1.2		2021	3.7	1.1
11	0141	-0.5	-0.2	26	0126	-0.5	-0.2	11	0248	-0.4	-0.1	26	0305	-0.6	-0.2	11	0132	-0.1																	

MIAMI HARBOR ENTRANCE, FLA., 1983
Times and Heights of High and Low Waters

113

APRIL												MAY												JUNE											
Time			Height			Time			Height			Time			Height			Time			Height			Time			Height			Time			Height		
Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	
1	0437	-0.2	-0.1		16	0402	-0.1	0.0		1	0452	0.2	0.1		16	0437	0.0	0.0		1	0554	0.4	0.1		16	0007	2.6	0.8							
F	1037	2.4	0.7		Sa	1000	2.5	0.8		Su	1047	2.2	0.7		M	1035	2.5	0.8		W	1151	1.9	0.6		Th	0623	-0.2	-0.1							
	1653	-0.4	-0.1			1616	-0.5	-0.2			1701	-0.1	0.0			1655	-0.4	-0.1			1802	0.2	0.1			1231	2.4	0.7							
	2314	2.5	0.8			2242	2.6	0.8			2329	2.4	0.7			2322	2.7	0.8							1846	-0.3	-0.1								
2	0521	0.0	0.0		17	0449	0.0	0.0		2	0538	0.3	0.1		17	0534	0.0	0.0		2	0030	2.1	0.6		17	0105	2.5	0.8							
Sa	1121	2.2	0.7		Su	1047	2.4	0.7		M	1132	2.1	0.6		Tu	1135	2.4	0.7		Th	0646	0.4	0.1		F	0724	-0.2	-0.1							
	1738	-0.2	-0.1			1706	-0.4	-0.1			1747	0.1	0.0			1754	-0.3	-0.1			1247	1.9	0.6			1338	2.3	0.7							
						2334	2.5	0.8												1855	0.3	0.1			1952	-0.1	0.0								
3	0003	2.3	0.7		18	0542	0.1	0.0		3	0015	2.2	0.7		18	0023	2.5	0.8		3	0121	2.1	0.6		18	0208	2.4	0.7							
Su	0610	0.2	0.1		M	1142	2.3	0.7		Tu	0628	0.5	0.2		W	0635	0.1	0.0		F	0739	0.4	0.1		Sa	0827	-0.2	-0.1							
	1207	2.0	0.6			1802	-0.2	-0.1			1225	1.9	0.6			1239	2.3	0.7			1344	1.9	0.6			1447	2.3	0.7							
	1825	0.0	0.0								1839	0.2	0.1			1900	-0.2	-0.1			1953	0.3	0.1			2056	0.0	0.0							
4	0054	2.1	0.6		19	0033	2.4	0.7		4	0110	2.1	0.6		19	0124	2.5	0.8		4	0211	2.0	0.6		19	0306	2.3	0.7							
M	0703	0.4	0.1		Tu	0644	0.2	0.1		W	0726	0.5	0.2		Th	0741	0.1	0.0		Sa	0832	0.3	0.1		Su	0927	-0.3	-0.1							
	1300	1.9	0.6			1244	2.2	0.7			1322	1.8	0.5			1352	2.3	0.7			1444	1.9	0.6			1550	2.4	0.7							
	1921	0.1	0.0			1908	-0.1	0.0			1938	0.3	0.1			2009	-0.1	0.0			2051	0.3	0.1			2158	0.0	0.0							
5	0153	2.0	0.6		20	0140	2.4	0.7		5	0207	2.1	0.6		20	0230	2.4	0.7		5	0303	2.0	0.6		20	0403	2.3	0.7							
Tu	0805	0.5	0.2		W	0753	0.2	0.1		Th	0825	0.5	0.2		F	0850	0.0	0.0		Su	0924	0.2	0.1		M	1023	-0.3	-0.1							
	1402	1.8	0.5			1358	2.2	0.7			1427	1.8	0.5			1503	2.3	0.7			1542	2.0	0.6			1648	2.4	0.7							
	2022	0.2	0.1			2019	-0.1	0.0			2039	0.4	0.1			2118	0.0	0.0			2147	0.3	0.1			2256	0.0	0.0							
6	0256	2.0	0.6		21	0249	2.3	0.7		6	0305	2.1	0.6		21	0334	2.4	0.7		6	0351	2.1	0.6		21	0457	2.3	0.7							
W	0911	0.5	0.2		Th	0905	0.2	0.1		F	0924	0.4	0.1		Sa	0953	-0.1	0.0		M	1011	0.0	0.0		Tu	1115	-0.4	-0.1							
	1507	1.8	0.5			1513	2.3	0.7			1529	1.9	0.6			1609	2.4	0.7			1635	2.2	0.7			1741	2.5	0.8							
	2126	0.3	0.1			2132	-0.1	0.0			2140	0.3	0.1			2220	0.0	0.0			2239	0.2	0.1			2348	0.0	0.0							
7	0356	2.0	0.6		22	0356	2.4	0.7		7	0358	2.1	0.6		22	0431	2.5	0.8		7	0441	2.2	0.7		22	0544	2.3	0.7							
Th	1009	0.4	0.1		F	1011	0.0	0.0		Sa	1014	0.3	0.1		Su	1048	-0.3	-0.1		Tu	1100	-0.2	-0.1		W	1203	-0.4	-0.1							
	1611	1.9	0.6			1622	2.4	0.7			1625	2.1	0.6			1708	2.6	0.8			1724	2.4	0.7			1829	2.5	0.8							
	2225	0.2	0.1			2238	-0.1	0.0			2235	0.3	0.1			2318	-0.1	0.0			2328	0.1	0.0												
8	0448	2.1	0.6		23	0456	2.5	0.8		8	0446	2.2	0.7		23	0523	2.5	0.8		8	0526	2.3	0.7		23	0037	0.1	0.0							
F	1102	0.3	0.1		Sa	1110	-0.2	-0.1		Su	1059	0.1	0.0		M	1140	-0.4	-0.1		W	1144	-0.4	-0.1		Th	0629	2.3	0.7							
	1704	2.0	0.6			1723	2.6	0.8			1713	2.2	0.7			1803	2.7	0.8			1811	2.6	0.8			1248	-0.4	-0.1							
	2315	0.1	0.0			2337	-0.2	-0.1			2321	0.2	0.1												1914	2.5	0.8								
9	0533	2.2	0.7		24	0549	2.6	0.8		9	0528	2.3	0.7		24	0011	-0.1	0.0		9	0016	0.0	0.0		24	0119	0.1	0.0							
Sa	1144	0.2	0.1		Su	1203	-0.4	-0.1		M	1141	-0.1	0.0		Tu	0611	2.5	0.8		Th	0613	2.4	0.7		F	0711	2.2	0.7							
	1751	2.2	0.7			1818	2.7	0.8			1758	2.4	0.7			1226	-0.5	-0.2			1232	-0.6	-0.2			1327	-0.4	-0.1							
															1850	2.7	0.8			1858	2.7	0.8			1954	2.5	0.8								
10	0000	0.0	0.0		25	0029	-0.3	-0.1		10	0007	0.1	0.0		25	0057	-0.1	0.0		10	0105	-0.1	0.0		25	0159	0.1	0.0							
Su	0613	2.3	0.7		M	0637	2.7	0.8		Tu	0608	2.4	0.7		W	0654	2.5	0.8		F	0701	2.5	0.8		Sa	0752	2.2	0.7							
	1223	0.0	0.0			1250	-0.5	-0.2			1221	-0.2	-0.1			1311	-0.5	-0.2			1319	-0.7	-0.2			1406	-0.4	-0.1							
	1832	2.3	0.7			1907	2.9	0.9			1842	2.6	0.8			1934	2.7	0.8			1946	2.8	0.9			2034	2.5	0.8							
11	0042	-0.1	0.0		26	0118	-0.3	-0.1		11	0049	0.0	0.0		26	0141	-0.1	0.0		11	0152	-0.2	-0.1		26	0241	0.1	0.0							
M	0651	2.4	0.7		Tu	0722	2.7	0.8		W	0650	2.5	0.8		Th	0736	2.5	0.8		Sa	0749	2.6	0.8		Su	0833	2.2	0.7							
	1301	-0.2	-0.1			1333	-0.6	-0.2			1303	-0.4	-0.1			1351	-0.5	-0.2			1406	-0.8	-0.2			1447	-0.3	-0.1							
	1914	2.5	0.8			1954	2.9	0.9			1926	2.8	0.9			2016	2.7	0.8			2034	2.9	0.9			2111	2.4	0.7							
12	0123	-0.1	0.0		27	0201	-0.3	-0.1		12	0131	-0.1	0.0		27	0222	0.0	0.0		12	0243	-0.2	-0.1		27	0320	0.1	0.0							
Tu	0727	2.5	0.8		W	0804	2.7	0.8		Th	0730	2.6	0.8		F	0816	2.4	0.7		Su	0838	2.6	0.8		M	0911	2.1	0.6							
	1337	-0.3	-0.1			1415	-0.6	-0.2			1344	-0.5	-0.2			1431	-0.5	-0.2			1456	-0.8	-0.2			1525	-0.3	-0.1							
	1952	2.6	0.8			2038	2.9	0.9			2007	2.8	0.9			2057	2.7	0.8			2124	2.9	0.9			2151	2.4	0.7							
13	0200	-0.2	-0.1		28	0245	-0.2	-0.1		13	0214	-0.1	0.0		28	0303	0.0	0.0		13	0333	-0.2	-0.1		28	0400	0.1	0.0							
W	0802	2.5	0.8		Th	0845	2.6	0.8		F	0812	2.6	0.8		Sa	0856	2.3	0.7		M	0931	2.6	0.8		Tu	0952									

JULY				AUGUST				SEPTEMBER											
Time		Height		Time		Height		Time		Height		Time		Height					
Day				Day				Day				Day							
	h	m	ft	m		h	m	ft	m		h	m	ft	m		h	m	ft	m
1	0607	0.2	0.1	16	0040	2.5	0.8	1	0033	2.1	0.6	16	0201	2.3	0.7	1	0149	2.4	0.7
F	1210	1.9	0.6	Sa	0659	-0.3	-0.1	M	0656	0.1	0.0	Tu	0825	0.0	0.0	Th	0817	0.2	0.1
	1817	0.2	0.1		1316	2.4	0.7		1315	2.1	0.6		1455	2.4	0.7		1451	2.5	0.8
					1927	-0.1	0.0		1920	0.4	0.1		2101	0.5	0.2		2055	0.6	0.2
																	2233	0.8	0.2
2	0035	2.1	0.6	17	0138	2.4	0.7	2	0124	2.1	0.6	17	0302	2.2	0.7	2	0257	2.4	0.7
Sa	0653	0.2	0.1	Su	0759	-0.3	-0.1	Tu	0748	0.0	0.0	W	0925	0.1	0.0	F	0924	0.1	0.0
	1303	1.9	0.6		1422	2.3	0.7		1416	2.2	0.7		1558	2.3	0.7		1557	2.6	0.8
	1905	0.2	0.1		2030	0.1	0.0		2019	0.4	0.1		2206	0.5	0.2		2204	0.5	0.2
																	2324	0.8	0.2
3	0121	2.0	0.6	18	0235	2.3	0.7	3	0220	2.1	0.6	18	0402	2.2	0.7	3	0406	2.6	0.8
Su	0740	0.1	0.0	M	0859	-0.2	-0.1	W	0847	-0.1	0.0	Th	1021	0.1	0.0	Sa	1030	0.0	0.0
	1358	2.0	0.6		1526	2.3	0.7		1519	2.3	0.7		1656	2.4	0.7		1659	2.8	0.9
	2003	0.3	0.1		2132	0.2	0.1		2124	0.4	0.1		2302	0.5	0.2		2307	0.3	0.1
4	0210	2.0	0.6	19	0334	2.2	0.7	4	0319	2.2	0.7	19	0456	2.2	0.7	4	0512	2.8	0.9
M	0833	0.0	0.0	Tu	0956	-0.2	-0.1	Th	0948	-0.2	-0.1	F	1115	0.1	0.0	Su	1133	-0.2	-0.1
	1457	2.0	0.6		1626	2.3	0.7		1620	2.4	0.7		1745	2.4	0.7		1757	3.0	0.9
	2100	0.3	0.1		2231	0.2	0.1		2225	0.3	0.1		2352	0.5	0.2				
																	1837	2.4	0.8
5	0303	2.1	0.6	20	0427	2.1	0.6	5	0424	2.3	0.7	20	0547	2.2	0.7	5	0004	0.1	0.0
Tu	0926	-0.1	0.0	W	1050	-0.2	-0.1	F	1048	-0.3	-0.1	Sa	1202	0.1	0.0	M	0611	3.0	0.9
	1554	2.2	0.7		1720	2.3	0.7		1720	2.6	0.8		1830	2.5	0.8		1229	-0.3	-0.1
	2158	0.2	0.1		2326	0.2	0.1		2324	0.1	0.0						1850	3.1	0.9
6	0356	2.1	0.6	21	0520	2.1	0.6	6	0523	2.5	0.8	21	0035	0.4	0.1	6	0058	-0.1	0.0
W	1019	-0.3	-0.1	Th	1141	-0.2	-0.1	Sa	1147	-0.5	-0.2	Su	0630	2.3	0.7	Tu	0707	3.2	1.0
	1649	2.3	0.7		1809	2.4	0.7		1814	2.8	0.9		1245	0.0	0.0		1322	-0.4	-0.1
	2254	0.1	0.0										1907	2.5	0.8		1939	3.3	1.0
7	0450	2.3	0.7	22	0014	0.2	0.1	7	0021	0.0	0.0	22	0115	0.3	0.1	7	0148	-0.3	-0.1
Th	1112	-0.5	-0.2	F	0608	2.1	0.6	Su	0622	2.7	0.8	M	0711	2.4	0.7	W	0759	3.3	1.0
	1742	2.5	0.8		1226	-0.3	-0.1		1242	-0.6	-0.2		1325	0.0	0.0		1414	-0.4	-0.1
	2349	0.0	0.0		1853	2.4	0.7		1907	2.9	0.9		1944	2.6	0.8		2027	3.3	1.0
8	0545	2.4	0.7	23	0058	0.2	0.1	8	0115	-0.2	-0.1	23	0152	0.3	0.1	8	0239	-0.3	-0.1
F	1205	-0.6	-0.2	Sa	0650	2.2	0.7	M	0719	2.8	0.9	Tu	0751	2.5	0.8	Th	0851	3.4	1.0
	1835	2.7	0.8		1307	-0.3	-0.1		1337	-0.7	-0.2		1402	0.0	0.0		1504	-0.3	-0.1
					1935	2.4	0.7		1959	3.0	0.9		2020	2.6	0.8		2115	3.3	1.0
9	0040	-0.1	0.0	24	0140	0.2	0.1	9	0207	-0.4	-0.1	24	0227	0.2	0.1	9	0326	-0.4	-0.1
Sa	0638	2.5	0.8	Su	0732	2.2	0.7	Tu	0813	2.9	0.9	W	0828	2.5	0.8	F	0941	3.3	1.0
	1258	-0.8	-0.2		1346	-0.3	-0.1		1429	-0.7	-0.2		1438	0.0	0.0		1552	-0.2	-0.1
	1925	2.8	0.9		2012	2.4	0.7		2049	3.1	0.9		2054	2.6	0.8		2200	3.2	1.0
10	0131	-0.3	-0.1	25	0218	0.1	0.0	10	0259	-0.5	-0.2	25	0301	0.2	0.1	10	0415	-0.3	-0.1
Su	0730	2.6	0.8	M	0812	2.2	0.7	W	0907	3.0	0.9	Th	0905	2.6	0.8	Sa	1032	3.2	1.0
	1350	-0.8	-0.2		1425	-0.2	-0.1		1522	-0.7	-0.2		1514	0.1	0.0		1641	0.0	0.0
	2017	2.9	0.9		2048	2.4	0.7		2139	3.0	0.9		2126	2.6	0.8		2247	3.0	0.9
11	0224	-0.4	-0.1	26	0254	0.1	0.0	11	0350	-0.5	-0.2	26	0335	0.1	0.0	11	0503	-0.1	0.0
M	0825	2.7	0.8	Tu	0851	2.2	0.7	Th	1000	3.0	0.9	F	0943	2.6	0.8	Su	1125	3.0	0.9
	1444	-0.9	-0.3		1502	-0.2	-0.1		1613	-0.5	-0.2		1549	0.2	0.1		1732	0.3	0.1
	2107	2.9	0.9		2123	2.4	0.7		2229	3.0	0.9		2200	2.6	0.8		2335	2.8	0.9
12	0317	-0.4	-0.1	27	0333	0.1	0.0	12	0442	-0.4	-0.1	27	0410	0.1	0.0	12	0554	0.0	0.0
Tu	0920	2.7	0.8	W	0931	2.2	0.7	F	1055	2.9	0.9	Sa	1021	2.6	0.8	M	1218	2.8	0.9
	1535	-0.8	-0.2		1541	-0.1	0.0		1706	-0.3	-0.1		1628	0.3	0.1		1827	0.5	0.2
	2200	2.9	0.9		2200	2.4	0.7		2319	2.8	0.9		2235	2.5	0.8				
13	0410	-0.4	-0.1	28	0408	0.1	0.0	13	0535	-0.4	-0.1	28	0446	0.1	0.0	13	0027	2.6	0.8
W	1016	2.7	0.8	Th	1010	2.2	0.7	Sa	1151	2.7	0.8	Su	1103	2.5	0.8	Tu	0649	0.2	0.1
	1632	-0.7	-0.2		1618	0.0	0.0		1801	-0.1	0.0		1707	0.4	0.1		1317	2.7	0.8
	2252	2.8	0.9		2234	2.3	0.7						2311	2.5	0.8		1926	0.7	0.2
14	0506	-0.4	-0.1	29	0447	0.1	0.0	14	0010	2.6	0.8	29	0527	0.2	0.1	14	0125	2.5	0.8
Th	1114	2.6	0.8	F	1051	2.2	0.7	Su	0628	-0.2	-0.1	M	1151	2.5	0.8	W	0746	0.4	0.1
	1727	-0.5	-0.2		1658	0.1	0.0		1251	2.6	0.8		1754	0.5	0.2		1418	2.6	0.8
	2346	2.7	0.8		2311	2.2	0.7		1857	0.1	0.0		2354	2.4	0.7		2028	0.8	0.2
15	0602	-0.4	-0.1	30	0524	0.1	0.0	15	0105	2.5	0.8	30	0617	0.2	0.1	15	0227	2.3	0.7
F	1215	2.5	0.8	Sa	1137	2.1	0.6	M	0725	-0.1	0.0	Tu	1241	2.5	0.8	Th	0850	0.5	0.2
	1827	-0.3	-0.1		1742	0.2	0.1		1352	2.5	0.8		1846	0.6	0.2		1523	2.5	0.8
					2351	2.2	0.7		1959	0.3	0.1						2137	0.9	0.3
				31	0607	0.1	0.0					31	0046	2.4	0.7	30	0129	2.6	0.8
				Su	1223	2.1	0.6					W	0712	0.2	0.1	F	0757	0.5	0.2
					1828	0.3	0.1						1345	2.5	0.8		1429	2.8	0.9
													1949	0.7	0.2		2039	0.8	0.2

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean low water which is the chart datum of soundings.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

211

NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level
		Lat.	Long.	Time		Height		Mean Spring		
				High Water	Low Water	High Water	Low Water			
		° N	° W	h. m.	h. m.	ft	ft	ft	ft	ft
RHODE ISLAND, Outer Coast Time meridian, 75°W				on NEWPORT, p.40						
1179	Point Judith Harbor of Refuge.....	41 22	71 29	-0 07	+0 22	-0.4	0.0	3.1	3.9	1.5
1181	Block Island (Great Salt Pond).....	41 11	71 35	+0 05	+0 12	-0.9	0.0	2.6	3.2	1.3
1183	Block Island (Old Harbor).....	41 10	71 33	-0 14	+0 17	-0.6	0.0	2.9	3.6	1.4
1185	Watch Hill Point.....	41 18	71 52	+0 44	+1 21	-0.9	0.0	2.6	3.2	1.3
				on NEW LONDON, p.44						
1186	Westerly, Pawcatuck River.....	41 23	71 50	-0 27	+0 02	+0.1	0.0	2.7	3.2	1.3
CONNECTICUT, Long Island Sound										
1187	Stonington, Fishers Island Sound.....	41 20	71 54	-0 33	-0 41	+0.1	0.0	2.7	3.2	1.3
1189	Noank, Mystic River entrance.....	41 19	71 59	-0 23	-0 08	-0.3	0.0	2.3	2.7	1.2
1191	West Harbor, Fishers Island, N. Y.....	41 16	72 00	-0 01	-0 06	-0.1	0.0	2.5	3.0	1.2
1192	Silver Eel Pond, Fishers Island, N. Y..... Thames River	41 15	72 02	-0 17	-0 04	-0.3	0.0	2.3	2.7	1.1
1193	NEW LONDON, State Pier.....	41 22	72 06	Daily predictions				2.6	3.1	1.3
1195	Smith Cove entrance.....	41 24	72 06	-0 01	+0 10	-0.1	0.0	2.5	3.0	1.2
1197	Norwich.....	41 31	72 05	+0 12	+0 25	+0.4	0.0	3.0	3.6	1.5
1199	Millstone Point.....	41 18	72 10	+0 08	+0 01	+0.1	0.0	2.7	3.2	1.3
Connecticut River										
1200	Saybrook Jetty.....	41 16	72 21	+1 10	+0 45	+0.9	0.0	3.5	4.2	1.7
1201	Saybrook Point.....	41 17	72 21	+1 10	+0 53	+0.6	0.0	3.2	3.8	1.6
1202	Lyme, highway bridge.....	41 19	72 21	+1 24	+1 10	+0.5	0.0	3.1	3.7	1.5
1203	Essex.....	41 21	72 23	+1 38	+1 38	+0.4	0.0	3.0	3.6	1.5
Connecticut River										
1204	Hadlyme <7>.....	41 25	72 26	+2 18	+2 23	+0.1	0.0	2.7	3.2	1.3
1205	East Haddam.....	41 27	72 28	+2 41	+2 53	+0.3	0.0	2.9	3.5	1.4
1206	Haddam <7>.....	41 29	72 30	+2 47	+3 08	-0.1	0.0	2.5	3.0	1.2
1207	Higganum Creek.....	41 30	72 33	+2 54	+3 25	0.0	0.0	2.6	3.1	1.3
1209	Portland <7>.....	41 34	72 38	+3 50	+4 28	-0.4	0.0	2.2	2.6	1.1
1211	Rocky Hill <7>.....	41 39	72 38	+4 43	+5 44	-0.6	0.0	2.0	2.4	1.0
1213	Hartford <7>.....	41 46	72 40	+5 29	+6 52	-0.7	0.0	1.9	2.3	1.0
				on BRIDGEPORT, p.48						
1214	Westbrook, Duck Island Roads.....	41 16	72 28	-0 23	-0 34	-2.6	0.0	4.1	4.7	2.0
1215	Duck Island.....	41 15	72 29	-0 25	-0 37	-2.2	0.0	4.5	5.2	2.2
1217	Madison.....	41 16	72 36	-0 20	-0 32	-1.8	0.0	4.9	5.6	2.4
1219	Falkner Island.....	41 13	72 39	-0 13	-0 27	-1.3	0.0	5.4	6.2	2.7
1220	Sachem Head.....	41 15	72 42	-0 10	-0 17	-1.3	0.0	5.4	6.2	2.7
1221	Money Island.....	41 15	72 45	-0 11	-0 25	-1.1	0.0	5.6	6.4	2.8
1223	Branford Harbor.....	41 16	72 49	-0 07	-0 20	-0.8	0.0	5.9	6.8	2.9
1225	New Haven Harbor entrance.....	41 14	72 55	-0 08	-0 16	-0.5	0.0	6.2	7.1	3.1
1227	New Haven (city dock).....	41 18	72 55	+0 02	-0 03	-0.7	0.0	6.0	6.9	3.0
1229	Milford Harbor.....	41 13	73 03	-0 07	-0 12	-0.1	0.0	6.6	7.6	3.3
1231	Stratford, Housatonic River.....	41 11	73 07	+0 27	+0 59	-1.2	0.0	5.5	6.3	2.7
1233	Shelton, Housatonic River.....	41 19	73 05	+1 36	+2 42	-1.7	0.0	5.0	5.8	2.5
1235	BRIDGEPORT.....	41 10	73 11	Daily predictions				6.7	7.7	3.4
1237	Black Rock Harbor entrance.....	41 09	73 13	-0 03	-0 05	+0.2	0.0	6.9	7.9	3.4
1239	Saugatuck River entrance.....	41 06	73 22	-0 01	-0 01	+0.3	0.0	7.0	8.0	3.5
1241	South Norwalk.....	41 06	73 25	+0 10	+0 13	+0.4	0.0	7.1	8.2	3.5
1243	Greens Ledge.....	41 03	73 27	-0 01	-0 03	+0.5	0.0	7.2	8.3	3.6
1245	Stamford.....	41 02	73 33	+0 04	+0 06	+0.5	0.0	7.2	8.3	3.6
1247	Cos Cob Harbor.....	41 01	73 36	+0 06	+0 09	+0.5	0.0	7.2	8.3	3.6
1249	Greenwich.....	41 01	73 37	+0 02	-0 01	+0.7	0.0	7.4	8.5	3.7
1251	Great Captain Island.....	40 59	73 37	+0 01	-0 01	+0.6	0.0	7.3	8.4	3.6
NEW YORK Long Island Sound, North Side				on WILLETS POINT, p.52						
1253	Port Chester.....	41 00	73 40	-0 09	-0 12	+0.1	0.0	7.2	8.5	3.6
1254	Rye Beach.....	40 58	73 40	-0 28	-0 29	+0.1	0.0	7.2	8.4	3.6
1255	Mamaroneck.....	40 56	73 44	-0 08	-0 11	+0.2	0.0	7.3	8.6	3.6
1257	New Rochelle.....	40 54	73 47	-0 24	-0 17	+0.1	0.0	7.2	8.6	3.6
1259	Dauids Island.....	40 53	73 46	-0 02	-0 07	+0.1	0.0	7.2	8.5	3.6
1261	City Island.....	40 51	73 47	-0 03	-0 03	+0.1	0.0	7.2	8.5	3.6
1263	Throgs Neck.....	40 48	73 48	+0 02	+0 14	-0.1	0.0	7.0	8.2	3.5
East River										
1265	Whitestone.....	40 48	73 49	+0 02	+0 14	0.0	0.0	7.1	8.3	3.5
1267	Old Ferry Point.....	40 48	73 50	+0 04	+0 16	0.0	0.0	7.1	8.3	3.5
1269	College Point, Flushing Bay.....	40 47	73 51	+0 20	+0 28	-0.6	0.0	6.5	7.6	3.2
1271	Northern Blvd. Bridge, Flushing Creek...	40 46	73 50	+0 23	+0 37	-0.3	0.0	6.8	8.0	3.4
1273	Westchester, Westchester Creek.....	40 50	73 50	+0 10	+0 16	-0.1	0.0	7.0	8.3	3.5
1275	Hunts Point.....	40 48	73 52	+0 08	+0 15	-0.2	0.0	6.9	8.1	3.4
1277	Westchester Ave. Bridge, Bronx River...	40 50	73 53	+0 10	+0 17	-0.2	0.0	6.9	8.1	3.4
1279	North Brother Island.....	40 48	73 54	+0 09	+0 17	-0.5	0.0	6.6	7.8	3.3
1281	Port Morris (Stony Point).....	40 48	73 54	+0 13	+0 16	-0.8	0.0	6.3	7.4	3.1

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level
		Lat.	Long.	Time		Height		Mean Spring		
				High Water	Low Water	High Water	Low Water			
		N	W	h. m.	h. m.	ft	ft	ft	ft	ft
	New York, East River Time meridian, 75°W			on WILLETS POINT, p.52						
1283	Lawrence Point.....	40 47	73 55	-0 03	+0 13	-0.7	0.0	6.4	7.6	3.2
1285	Wolcott Avenue.....	40 47	73 55	-0 03	+0 13	-1.0	0.0	6.1	7.2	3.0
				on NEW YORK, p.56						
1287	Pot Cove, Astoria.....	40 47	73 56	+2 20	+2 29	+0.8	0.0	5.3	6.3	2.6
1289	Hell Gate, Hallets Point.....	40 47	73 56	+2 00	+2 04	+0.6	0.0	5.1	6.1	2.5
1291	Horns Hook, East 90th Street.....	40 47	73 57	+1 50	+1 30	+0.3	0.0	4.8	5.8	2.4
1293	Welfare Island, north end.....	40 46	73 56	+1 45	+1 25	+0.3	0.0	4.8	5.8	2.4
1295	37th Avenue, Long Island City.....	40 46	73 57	+1 30	+1 10	0.0	0.0	4.5	5.5	2.2
1297	East 41st Street, New York City.....	40 45	73 58	+1 20	+0 56	-0.2	0.0	4.3	5.2	2.1
1299	Hunters Point, Newtown Creek.....	40 44	73 57	+1 18	+0 53	-0.4	0.0	4.1	4.9	2.0
1301	English Kills entrance, Newtown Creek...	40 43	73 55	+1 30	+1 04	-0.3	0.0	4.2	5.0	2.1
1303	East 27th Street, Bellevue Hospital.....	40 44	73 58	+1 08	+1 03	-0.3	0.0	4.2	5.0	2.1
1305	East 19th Street, New York City.....	40 44	73 58	+1 02	+0 58	-0.4	0.0	4.1	4.9	2.0
1307	North 3d Street, Brooklyn.....	40 43	73 58	+0 55	+0 42	-0.4	0.0	4.1	4.9	2.0
1309	Williamsburg Bridge.....	40 43	73 58	+0 52	+0 38	-0.4	0.0	4.1	4.9	2.0
1311	Wallabout Bay.....	40 42	73 59	+0 50	+0 35	-0.4	0.0	4.1	4.9	2.0
1313	Brooklyn Bridge.....	40 42	74 00	+0 13	+0 07	-0.2	0.0	4.3	5.2	2.1
	Harlem River									
1315	East 110th Street, New York City....	40 47	73 56	+1 52	+1 35	+0.6	0.0	5.1	6.1	2.6
1317	Willis Avenue Bridge.....	40 48	73 56	+1 47	+1 30	+0.5	0.0	5.0	6.0	2.5
1319	Madison Avenue Bridge.....	40 49	73 56	+1 52	+1 35	+0.4	0.0	4.9	5.9	2.4
1321	Central Bridge.....	40 50	73 56	+1 52	+1 35	+0.2	0.0	4.7	5.7	2.3
1323	Washington Bridge.....	40 51	73 56	+1 52	+1 35	-0.1	0.0	4.4	5.2	2.2
1325	University Heights Bridge.....	40 52	73 55	+1 40	+1 30	-0.5	0.0	4.0	4.8	2.0
1327	Broadway Bridge.....	40 52	73 55	+1 20	+1 20	-0.7	0.0	3.8	4.6	1.9
1329	Spuytten Duyvil Bridge.....	40 53	73 56	+1 01	+1 03	-0.9	0.0	3.6	4.3	1.8
	Long Island Sound, South Side			on WILLETS POINT, p.52						
1331	WILLETS POINT.....	40 48	73 47	Daily predictions				7.1	8.3	3.5
1333	Hewlett Point.....	40 50	73 45	-0 03	-0 03	0.0	0.0	7.1	8.3	3.5
1335	Port Washington, Manhasset Bay.....	40 50	73 42	-0 01	+0 11	+0.2	0.0	7.3	8.6	3.6
1337	Execution Rocks.....	40 53	73 44	-0 06	-0 08	+0.2	0.0	7.3	8.6	3.6
1339	Glen Cove, Hempstead Harbor.....	40 52	73 39	-0 11	-0 06	+0.2	0.0	7.3	8.6	3.6
	Oyster Bay			on BRIDGEPORT, p.48						
1341	Oyster Bay Harbor.....	40 53	73 32	+0 08	+0 11	+0.6	0.0	7.3	8.4	3.6
1343	Bayville Bridge.....	40 54	73 33	+0 13	+0 18	+0.7	0.0	7.4	8.5	3.7
1345	Cold Spring Harbor.....	40 52	73 28	+0 08	+0 06	+0.7	0.0	7.4	8.5	3.7
1347	Eatons Neck Point.....	40 57	73 24	+0 03	+0 06	+0.4	0.0	7.1	8.2	3.6
1349	Lloyd Harbor entrance, Huntington Bay...	40 55	73 26	+0 03	+0 01	+0.7	0.0	7.4	8.5	3.7
1351	Northport, Northport Bay.....	40 54	73 21	+0 03	+0 06	+0.6	0.0	7.3	8.4	3.6
1353	Nissequogue River entrance.....	40 54	73 14	-0 03	-0 06	+0.3	0.0	7.0	8.0	3.5
1355	Stony Brook, Smithtown Bay.....	40 55	73 09	+0 08	+0 08	-0.6	0.0	6.1	7.0	3.0
1357	Stratford Shoal.....	41 04	73 06	-0 05	-0 09	-0.1	0.0	6.6	7.6	3.3
1359	Port Jefferson Harbor entrance.....	40 58	73 05	+0 03	-0 01	-0.1	0.0	6.6	7.6	3.3
1361	Port Jefferson.....	40 57	73 05	+0 06	+0 03	-0.1	0.0	6.6	7.6	3.3
1363	Setauket Harbor.....	40 57	73 06	+0 04	+0 09	0.0	0.0	6.7	7.7	3.3
1365	Conscience Bay entrance (Narrows).....	40 58	73 07	+0 02	+0 02	0.0	0.0	6.7	7.7	3.3
1367	Mount Sinai Harbor.....	40 58	73 02	+0 05	+0 16	-0.7	0.0	6.0	6.9	3.0
1369	Herod Point.....	40 58	72 50	-0 07	-0 16	-0.8	0.0	5.9	6.8	2.9
1370	Northville.....	40 59	72 39	-0 02	-0 05	-1.3	0.0	5.4	6.2	2.7
1371	Mattituck Inlet.....	41 01	72 34	+0 05	-0 06	-1.5	0.0	5.2	6.0	2.6
1373	Horton Point.....	41 05	72 27	-0 20	-0 35	*0.60	*0.60	4.0	4.6	2.0
1374	Hashamomuck Beach.....	41 06	72 24	+0 04	-0 15	*0.63	*0.63	4.2	4.8	2.1
1375	Truman Beach.....	41 08	72 19	-0 42	-0 52	*0.51	*0.51	3.4	3.9	1.7
				on NEW LONDON, p.44						
1377	Plum Gut Harbor, Plum Island.....	41 10	72 12	+0 27	+0 16	0.0	0.0	2.6	3.1	1.3
1379	Little Gull Island.....	41 12	72 06	+0 12	-0 22	-0.4	0.0	2.2	2.6	1.1
	Shelter Island Sound									
1381	Orient.....	41 08	72 18	+0 36	+0 36	-0.1	0.0	2.5	3.0	1.2
1383	Greenport.....	41 06	72 22	+1 04	+0 49	-0.2	0.0	2.4	2.9	1.2
1385	Southold.....	41 04	72 25	+1 43	+1 33	-0.3	0.0	2.3	2.7	1.1
1387	Noyack Bay.....	41 00	72 20	+2 05	+1 44	-0.3	0.0	2.3	2.7	1.1
1389	Sag Harbor.....	41 00	72 18	+0 59	+0 48	-0.1	0.0	2.5	3.0	1.2
1391	Cedar Point.....	41 02	72 16	+0 44	+0 27	-0.1	0.0	2.5	3.0	1.2
	Peconic Bays									
1393	New Suffolk.....	41 00	72 28	+2 26	+2 11	0.0	0.0	2.6	3.1	1.3
1395	South Jamesport.....	40 56	72 35	+2 32	+2 40	+0.1	0.0	2.7	3.2	1.3
1397	Shinnecock Canal.....	40 54	72 30	+2 33	+2 31	-0.2	0.0	2.4	2.9	1.2
1399	Threemile Harbor ent., Gardiners Bay....	41 02	72 11	+0 21	+0 02	-0.2	0.0	2.4	2.9	1.2
1401	Promised Land, Napeague Bay.....	41 00	72 05	-0 14	-0 08	-0.3	0.0	2.3	2.7	1.1
1403	Montauk Harbor entrance.....	41 04	71 56	-0 25	-0 16	-0.7	0.0	1.9	2.3	0.9
1405	Montauk, Fort Pond Bay.....	41 03	71 58	-0 29	-0 24	-0.5	0.0	2.1	2.5	1.1
1407	Montauk Point, north side.....	41 04	71 52	-1 13	-1 31	-0.6	0.0	2.0	2.4	1.0

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

221

NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level
		Lat.	Long.	Time		Height		Mean	Spring	
				High Water	Low Water	High Water	Low Water			
		° ' "	° ' "	h. m.	h. m.	ft	ft	ft	ft	ft
	Virginia, York River Time meridian, 75°W	N	W	on HAMPTON ROADS, p.88						
2321	Mumfort Islands.....	37 16	76 31	+0 19	+0 12	0.0	0.0	2.5	3.0	1.2
2323	Penniman Spit.....	37 17	76 35	+0 41	+0 44	0.0	0.0	2.5	3.0	1.2
2324	Cheatham Annex.....	37 18	76 35	+0 43	+0 35	0.0	0.0	2.5	3.0	1.2
2325	Queen Creek (2 miles upstream).....	37 18	76 39	+1 00	+0 59	-0.1	0.0	2.4	2.9	1.2
2327	Clay Bank.....	37 21	76 37	+0 50	+0 49	+0.3	0.0	2.8	3.4	1.4
2329	Allmondsville.....	37 23	76 39	+0 59	+1 02	+0.3	0.0	2.8	3.3	1.4
2330	Roane Point.....	37 27	76 42	+1 42	+1 45	+0.3	0.0	2.8	3.4	1.4
2331	West Point.....	37 32	76 48	+2 07	+2 33	+0.3	0.0	2.8	3.4	1.4
	Mattaponi River									
2333	Wakema.....	37 39	76 54	+3 29	+3 52	+0.9	0.0	3.4	3.9	1.7
2335	Walkerton.....	37 43	77 02	+4 26	+4 54	+1.4	0.0	3.9	4.5	1.9
	Pamunkey River									
2337	Sweet Hall Landing.....	37 34	76 54	+3 48	+4 06	+0.2	0.0	2.7	3.1	1.3
2339	Lester Manor.....	37 35	76 59	+4 40	+4 55	+0.3	0.0	2.8	3.2	1.4
2341	White House.....	37 35	77 01	+5 09	+5 24	+0.5	0.0	3.0	3.4	1.5
2343	Northbury.....	37 37	77 07	+5 58	+6 13	+0.8	0.0	3.3	3.8	1.6
	Chesapeake Bay, Western Shore-Con.									
2345	York Point, Poquoson River.....	37 10	76 24	-0 07	+0 01	-0.1	0.0	2.4	2.9	1.2
2347	Messick Point, Back River.....	37 06	76 19	-0 26	-0 05	-0.2	0.0	2.3	2.8	1.2
	Hampton Roads									
2349	Old Point Comfort.....	37 00	76 19	-0 04	-0 14	0.0	0.0	2.5	3.0	1.3
2351	Hampton River.....	37 01	76 20	+0 02	-0 07	+0.1	0.0	2.6	3.1	1.3
2353	HAMPTON ROADS (Sewells Pt.).....	36 57	76 20	Daily predictions				2.5	2.9	1.2
2355	Lafayette River.....	36 54	76 18	+0 11	+0 20	+0.1	0.0	2.6	3.1	1.3
2357	Lafayette River, Granby St. Bridge..	36 53	76 17	+0 26	+0 32	+0.2	0.0	2.7	3.2	1.3
	Elizabeth River									
2359	Craney Island.....	36 54	76 20	+0 13	-0 01	+0.1	0.0	2.6	3.1	1.3
2361	Port Norfolk, Western Branch.....	36 51	76 20	+0 17	+0 24	+0.1	0.0	2.6	3.1	1.3
2363	Norfolk.....	36 51	76 18	+0 18	+0 15	+0.3	0.0	2.8	3.4	1.4
2365	Portsmouth, Southern Branch.....	36 49	76 18	+0 20	+0 20	+0.3	0.0	2.8	3.4	1.4
	Nansemond River									
2367	Pig Point.....	36 55	76 26	+0 37	+0 35	+0.3	0.0	2.8	3.4	1.4
2369	Town Point.....	36 53	76 30	+0 33	+0 39	+0.5	0.0	3.0	3.6	1.5
2371	Hollidays Point (bridge).....	36 50	76 33	+0 51	+0 58	+0.5	0.0	3.0	3.6	1.5
2373	Suffolk.....	36 44	76 35	+1 37	+1 30	+1.3	0.0	3.8	4.6	1.9
	James River									
2375	Chuckatuck Creek entrance.....	36 55	76 30	+0 45	+0 52	+0.3	0.0	2.8	3.4	1.4
2377	Newport News.....	36 58	76 26	+0 24	+0 23	+0.1	0.0	2.6	3.1	1.3
2378	Huntington Park.....	37 01	76 28	+0 40	+0 39	+0.1	0.0	2.6	3.1	1.3
2379	Menchville.....	37 05	76 32	+0 58	+1 14	+0.1	0.0	2.6	3.1	1.3
2381	Smithfield, Pagan River.....	36 59	76 38	+1 29	+1 23	+0.3	0.0	2.8	3.4	1.4
2383	Burwell Bay.....	37 03	76 40	+1 20	+1 39	-0.1	0.0	2.4	2.9	1.2
2385	Mulberry Point.....	37 08	76 38	+2 00	+2 21	-0.1	0.0	2.4	2.9	1.2
2387	Hog Point.....	37 12	76 41	+2 15	+2 33	-0.4	0.0	2.1	2.5	1.0
2388	Scotland.....	37 11	76 47	+2 51	+3 20	-0.6	0.0	1.9	2.1	1.0
2389	Jamestown Island.....	37 12	76 47	+2 58	+3 31	-0.5	0.0	2.0	2.4	1.0
2391	Dillard Wharf.....	37 12	76 52	+3 33	+4 10	-0.6	0.0	1.9	2.3	0.9
	Chickahominy River									
2393	Ferry Point (bridge).....	37 16	76 53	+3 56	+4 21	-0.6	0.0	1.9	2.3	1.0
2395	Wright Island Landing.....	37 21	76 52	+4 39	+4 58	-0.3	0.0	2.2	2.6	1.1
2397	Mount Airy.....	37 21	76 55	+5 05	+5 33	-0.3	0.0	2.2	2.6	1.1
2399	Lanexa.....	37 24	76 54	+5 35	+6 03	+0.1	0.0	2.6	3.1	1.3
2401	Claremont.....	37 14	76 57	+3 58	+4 30	-0.7	0.0	1.8	2.0	0.9
2403	Sturgeon Point.....	37 18	77 00	+4 32	+5 04	-0.4	0.0	2.1	2.5	1.0
2405	Windmill Point.....	37 18	77 06	+5 26	+5 51	-0.2	0.0	2.3	2.7	1.1
2406	Willcox Wharf, Charles City.....	37 19	77 06	+5 25	+5 45	-0.3	0.0	2.2	2.4	1.1
2407	Westover.....	37 19	77 09	+5 47	+6 12	-0.1	0.0	2.4	2.8	1.2
2409	Jordon Point.....	37 19	77 13	+6 11	+6 34	0.0	0.0	2.5	2.9	1.2
	on WASHINGTON, p.84									
2411	City Point (Hopewell).....	37 19	77 16	-4 55	-5 12	-0.3	0.0	2.6	3.0	1.3
2413	Petersburg, Appomattox River.....	37 14	77 24	-4 25	-4 00	0.0	0.0	2.9	3.3	1.4
2415	Bermuda Hundred.....	37 20	77 16	-4 50	-5 05	-0.3	0.0	2.6	3.0	1.3
2417	Haxall.....	37 22	77 15	-4 43	-4 52	-0.2	0.0	2.7	3.1	1.4
2419	Curles, 1 mile north of.....	37 24	77 18	-4 25	-4 26	-0.1	0.0	2.8	3.2	1.4
2420	Chester.....	37 23	77 23	-4 12	-3 59	0.0	0.0	2.9	3.2	1.5
2421	Meadowville.....	37 23	77 19	-4 34	-4 33	0.0	0.0	2.9	3.3	1.4
2423	Kingsland Reach.....	37 24	77 23	-4 32	-4 28	+0.1	0.0	3.0	3.5	1.5
2425	Falling Creek entrance.....	37 26	77 26	-4 21	-4 08	+0.3	0.0	3.2	3.7	1.6
2427	Richmond Deepwater Terminal.....	37 27	77 25	-4 18	-4 01	+0.4	0.0	3.3	3.8	1.6
2429	Lower Rocketts.....	37 30	77 25	-3 52	-3 32	+0.3	0.0	3.2	3.6	1.6
2431	Richmond (river locks).....	37 32	77 25	-3 49	-3 26	+0.3	0.0	3.2	3.6	1.6

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level
		Lat.	Long.	Time		Height		Mean	Spring	
				High Water	Low Water	High Water	Low Water			
		N	W	h. m.	h. m.	ft	ft	ft	ft	
	Chesapeake Bay, Southern Shore Time meridian, 75°W									
	on HAMPTON ROADS, p.88									
2433	Little Creek (RR. Terminal).....	36 55	76 11	-0 48	-0 50	+0.1	0.0	2.6	3.1	1.3
2435	Lynnhaven Inlet Highway bridge, east of.....	36 54	76 05	-0 09	+0 06	-0.5	0.0	2.0	2.4	1.0
2436	Lynnhaven Bay									
2437	Bayville.....	36 54	76 06	+0 50	+1 43	-0.8	0.0	1.7	2.0	0.9
2438	Buchanan Creek entrance.....	36 52	76 07	+1 00	+1 51	-0.6	0.0	1.9	2.3	0.9
2439	Long Creek.....	36 54	76 04	+0 48	+1 19	*0.32	*0.32	0.8	1.0	0.4
2440	Brown Cove.....	36 52	76 04	+0 46	+1 43	-0.8	0.0	1.7	2.0	0.8
	Cape Henry.....	36 56	76 00	-0 48	-1 10	+0.3	0.0	2.8	3.4	1.4
	VIRGINIA, Outer Coast									
2441	Virginia Beach.....	36 51	75 58	-1 26	-1 30	+0.9	0.0	3.4	4.1	1.7
2442	False Cape.....	36 36	75 53	-1 41	-1 40	+1.1	0.0	3.6	4.3	1.8
	NORTH CAROLINA, Outer Coast									
2443	Currituck Beach Light.....	36 23	75 50	-1 46	-1 45	+1.1	0.0	3.6	4.3	1.8
2444	Albemarle and Pamlico Sounds (9).....	-	-	-	-	-	-	-	-	-
2445	Kitty Hawk (ocean).....	36 06	75 43	-1 50	-1 49	+0.7	0.0	3.2	3.8	1.6
2446	Jennetts Pier (ocean).....	35 55	75 36	-1 54	-1 50	+0.8	0.0	3.3	3.9	1.6
2447	Roanoke Sound Channel.....	35 48	75 35	+0 27	+0 37	-2.0	0.0	0.5	0.6	0.3
2448	Oregon Inlet Marina.....	35 48	75 33	-0 38	+0 26	-1.9	0.0	0.6	0.7	0.3
2449	Oregon Inlet.....	35 46	75 31	-1 13	-1 07	-0.5	0.0	2.0	2.4	1.0
2450	Oregon Inlet Bridge.....	35 46	75 32	-1 27	-1 35	-0.6	0.0	1.9	2.3	1.0
2451	Oregon Inlet Channel.....	35 46	75 34	-1 19	-1 14	-1.3	0.0	1.2	1.4	0.6
2452	Old House Channel.....	35 46	75 35	-0 36	-0 12	-1.8	0.0	0.7	0.8	0.4
2453	Oregon Inlet (USCG Station).....	35 46	75 32	-1 40	-1 31	-0.8	0.0	1.7	2.0	0.9
2454	Davis Slough.....	35 45	75 33	-1 01	-0 41	-1.6	0.0	0.9	1.1	0.5
2455	Cape Hatteras.....	35 14	75 31	-1 54	-2 05	+1.1	0.0	3.6	4.3	1.8
2456	Hatteras (ocean).....	35 12	75 42	-2 02	-2 05	+0.9	0.0	3.4	4.1	1.7
2457	Hatteras Inlet.....	35 12	75 44	-1 39	-1 39	-0.5	0.0	2.0	2.4	1.0
2458	Ocracoke Inlet.....	35 04	76 01	-1 38	-1 41	-0.6	0.0	1.9	2.3	0.9
2459	Ocracoke, Ocracoke Inlet.....	35 07	75 59	-1 23	-1 00	*0.40	*0.40	1.0	1.2	0.5
2461	Cape Lookout.....	34 37	76 32	-2 04	-2 13	+1.2	0.0	3.7	4.4	1.9
2463	Shell Point, Harkers Island.....	34 41	76 32	+0 12	+0 45	-1.2	0.0	1.3	1.6	0.6
2465	Beaufort (Pivers Island).....	34 43	76 40	-1 01	-1 09	+0.5	0.0	3.0	3.6	1.5
2467	Morehead City.....	34 43	76 42	-0 58	-1 05	+0.4	0.0	2.9	3.5	1.4
2469	Atlantic Beach.....	34 42	76 43	-2 02	-2 03	+1.1	0.0	3.6	4.3	1.8
2471	Bogue Inlet.....	34 39	77 06	-1 34	-1 37	-0.3	0.0	2.2	2.6	1.1
2473	New River Inlet.....	34 32	77 20	-1 31	-1 35	+0.5	0.0	3.0	3.6	1.5
2475	New Topsail Inlet.....	34 22	77 38	-1 27	-0 52	+0.5	0.0	3.0	3.5	1.5
	on CHARLESTON, p.96									
2477	Masonboro Inlet.....	34 11	77 49	-0 14	+0 05	-1.4	0.0	3.8	4.5	1.9
2479	Wilmington Beach.....	34 02	77 54	-0 48	-0 38	-1.2	0.0	4.0	4.7	2.0
2481	Cape Fear.....	33 51	77 58	-0 33	-0 28	-0.7	0.0	4.5	5.1	2.2
	Cape Fear River									
2483	Bald Head.....	33 52	78 00	-0 17	-0 11	-0.9	0.0	4.3	4.9	2.2
2485	Fort Caswell.....	33 54	78 01	-0 12	-0 05	-1.0	0.0	4.2	4.8	2.1
2487	Southport.....	33 55	78 01	0 00	+0 11	-1.1	0.0	4.1	4.6	2.0
2489	Reaves Point.....	34 00	77 57	+0 15	+0 45	-1.3	0.0	3.9	4.3	2.0
	on WILMINGTON, p.92									
2491	Campbell Island.....	34 07	77 56	-0 49	-0 44	-0.4	0.0	3.8	4.0	1.9
2493	WILMINGTON.....	34 14	77 57					4.2	4.5	2.1
2495	Castle Hayne, Northeast River.....	34 21	77 56	+2 40	+2 55	*0.40	*0.40	1.7	1.9	0.8
2497	Bannermans Br., Northeast River.....	34 35	77 46	+5 54	+6 09	*0.31	*0.31	1.3	1.4	0.6
	on CHARLESTON, p.96									
2500	Yaupon Beach.....	33 54	78 05	-0 39	-0 49	-0.3	0.0	4.9	5.8	2.4
2501	Lockwoods Folly Inlet.....	33 55	78 14	-0 29	-0 12	-1.0	0.0	4.2	4.8	2.1
2503	Shallotte Inlet (Bowen Point).....	33 55	78 22	+0 10	+0 28	-0.6	0.0	4.6	5.4	2.3
2505	Tubbs Inlet.....	33 53	78 29	-0 19	-0 12	-0.7	0.0	4.5	5.1	2.2
	SOUTH CAROLINA, Outer Coast									
2507	Little River, 1 mile above mouth.....	33 51	78 34	0 00	+0 03	-0.2	0.0	5.0	5.9	2.5
2509	Little River (town), Little River.....	33 52	78 37	+0 29	+0 02	0.0	0.0	5.2	6.1	2.6
2511	Myrtle Beach.....	33 41	78 53	-0 27	-0 27	-0.1	0.0	5.1	6.0	2.5
2513	Murrells Inlet.....	33 32	79 02	-0 09	+0 20	-0.7	0.0	4.5	5.3	2.2
2514	Pawleys Island.....	33 26	79 07	-0 29	-0 30	-0.4	0.0	4.8	5.6	2.4
2515	North Inlet.....	33 20	79 10	-0 18	0 00	-0.7	0.0	4.5	5.3	2.2
	Winyah Bay									
2517	Entrance (south jetty).....	33 11	79 09	-0 28	-0 28	-0.6	0.0	4.6	5.4	2.3
2519	Georgetown Lighthouse.....	33 13	79 11	+0 26	+0 25	-1.4	0.0	3.8	4.4	1.9
2521	Estherville-Minim Creek Canal (ferry)...	33 15	79 16	+0 31	+1 04	*0.63	*0.63	3.3	3.9	1.6

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

227

NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level
		Lat.	Long.	Time		Height		Mean Spring		
				High Water	Low Water	High Water	Low Water			
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	FLORIDA, East Coast Time meridian, 75° W			on MIAMI HARBOR ENTRANCE, p.112						
2961	Biscayne Bay									
2963	Miami, 79th St. Causeway.....	25 51	80 10	+1 45	+2 13	-0.5	0.0	2.0	2.4	1.0
2964	Miami, Marina.....	25 47	80 11	+0 56	+1 17	-0.4	0.0	2.1	2.4	1.0
2966	Miami, Causeway (east end).....	25 46	80 09	+1 19	+1 10	-0.5	0.0	2.0	2.4	1.0
2966	Dinner Key Marina.....	25 44	80 14	+1 19	+1 50	-0.6	0.0	1.9	2.3	1.0
	Florida keys									
2967	Cape Florida (west side), Key Biscayne..	25 40	80 10	+0 49	+1 02	-0.8	0.0	1.7	2.0	0.8
2968	Cutler, Biscayne Bay.....	25 37	80 18	+1 25	+2 01	-0.5	0.0	2.0	2.3	1.0
2969	Soldier Key.....	25 35	80 10	+0 55	+1 19	-0.6	0.0	1.9	2.3	0.9
2971	Fowey Rocks.....	25 35	80 06	+0 03	+0 02	-0.1	0.0	2.4	2.9	1.2
2972	Ragged Keys, Biscayne Bay.....	25 32	80 10	+1 15	+1 44	-0.9	0.0	1.6	1.9	0.8
2973	Elliot Key (outside).....	25 29	80 11	-0 02	-0 01	-0.2	0.0	2.3	2.8	1.2
2974	Elliot Key Harbor.....	25 27	80 12	+2 28	+3 24	*0.56	*0.56	1.4	1.6	0.7
2976	Adams Key, Biscayne Bay.....	25 24	80 14	+2 50	+2 33	*0.52	*0.52	1.3	1.6	0.7
2977	Christmas Point, Elliott Key.....	25 24	80 14	+0 37	+0 38	-0.7	0.0	1.8	2.1	0.9
2978	Turkey Point, Biscayne Bay.....	25 26	80 20	+2 35	+3 25	-0.9	0.0	1.6	1.8	0.8
2979	Totten Key.....	25 23	80 15	+2 50	+3 44	*0.48	*0.48	1.2	1.4	0.6
2981	Ocean Reef Club, Key Largo.....	25 18	80 17	+0 13	+0 19	-0.2	0.0	2.3	2.8	1.2
2982	Garden Cove, Key Largo.....	25 10	80 22	+0 36	+1 09	-0.3	0.0	2.2	2.6	1.1
2983	Mosquito Bank.....	25 04	80 24	+0 24	+0 30	-0.3	0.0	2.2	2.6	1.1
2984	Molasses Reef.....	25 01	80 23	+0 16	+0 11	-0.3	0.0	2.2	2.6	1.1
2986	Pumpkin Key, Card Sound.....	25 20	80 18	+3 12	+3 15	*0.28	*0.28	0.7	-	0.4
2987	Barnes Sound.....	25 14	80 24	-	-	-	-	0.2	-	-
2988	Tavernier, Hawk Channel.....	25 00	80 31	+0 31	+0 27	-0.2	+0.2	2.1	-	1.2
2989	Alligator Reef Light.....	24 51	80 37	+0 42	+0 33	-0.4	+0.2	1.9	2.3	1.2
2991	Florida Bay <10>									
2991	Lignumvitae Key.....	24 54	80 42	-	-	-	-	0.3	-	-
	on KEY WEST, p.116									
2992	Flamingo.....	25 09	80 56	+5 28	+7 22	+0.8	+0.1	2.0	2.5	1.0
2993	Boot Key Harbor, Vaca Key.....	24 42	81 06	-1 04	-0 37	+0.2	0.0	1.5	1.9	1.0
2994	Bahia Honda (bridge).....	24 39	81 17	-0 46	-0 28	-0.1	0.0	1.2	-	0.7
2995	No Name Key (east side).....	24 42	81 19	+1 36	+1 22	-0.6	0.0	0.7	-	0.6
2996	Big Spanish Key.....	24 47	81 25	+3 19	+4 29	*2.00	*1.50	2.7	-	1.6
2997	Cudjoe Key, west side (bridge).....	24 40	81 31	+3 51	+2 53	-0.3	0.0	1.0	-	0.7
2998	Bird Key (highway bridge).....	24 35	81 38	-0 26	+0 54	-0.6	-0.1	0.8	-	0.5
2999	Sand Key Light.....	24 27	81 53	-1 02	-0 44	-0.1	0.0	1.2	1.5	0.6
3001	KEY WEST.....	24 33	81 48	Daily predictions				1.3	1.6	0.8
3002	Garden Key, Dry Tortugas.....	24 38	82 52	+0 28	+0 34	-0.1	+0.1	1.1	-	0.8
3013	Channel Key.....	24 36	81 44	+3 08	+3 08	*0.67	*0.67	0.9	-	0.6
	Gulf Coast							Mean Diurnal		
3023	Cape Sable, East Cape.....	25 07	81 05	+3 49	+4 37	+2.0	+0.4	2.9	3.8	2.0
3025	Shark River entrance.....	25 21	81 08	+3 13	+4 32	+2.7	+0.4	3.6	4.5	2.4
3027	Whitewater Bay.....	25 19	81 02	-	-	-	-	0.5	0.8	0.4
3029	Lostmans River entrance.....	25 33	81 13	+3 15	+4 36	+2.1	+0.4	3.0	3.9	2.1
3031	Union Key, Lostmans River.....	25 37	81 08	+5 25	+7 40	*0.46	*0.46	0.6	0.9	0.4
3033	Chatham River entrance.....	25 41	81 17	+3 15	+4 40	+2.2	+0.2	3.3	4.2	2.0
3035	Pavilion Key.....	25 42	81 21	+3 19	+4 11	+2.4	+0.2	3.5	4.4	2.2
3037	Everglades City, Barron River.....	25 51	81 23	+4 48	+6 45	+0.8	+0.1	2.0	2.6	1.3
	on ST. MARKS RIVER ENT., p.124									
3039	Indian Key.....	25 48	81 28	-1 10	-0 51	+1.0	0.0	3.4	4.3	2.3
3041	Round Key.....	25 50	81 32	-1 11	-0 58	+1.0	0.0	3.4	4.3	2.3
3043	Pumpkin Bay.....	25 55	81 33	+0 34	+0 57	*0.82	*0.82	2.1	2.7	1.3
3044	Coon Key.....	25 54	81 38	-0 50	-0 39	+0.2	0.0	2.6	3.5	1.9
3045	Cape Romano.....	25 51	81 41	-1 22	-1 06	+0.2	0.0	2.6	3.5	1.9
3046	Marco, Big Marco River.....	25 58	81 44	-1 09	-1 11	*0.73	*0.73	1.7	2.6	1.2
3047	Naples (outer coast).....	26 08	81 48	-2 04	-2 07	*0.85	*0.85	2.1	2.8	1.6
	on ST. PETERSBURG, p.120									
3048	Estero Bay									
3049	Little Hickory Island.....	26 21	81 51	-0 58	-1 05	*1.09	*1.09	-	2.5	1.3
3049	Coconut Point.....	26 24	81 50	-0 47	-0 40	*1.17	*1.17	-	2.7	1.3
3050	Carlos Point.....	26 24	81 53	-1 08	-1 28	*1.17	*1.17	-	2.7	1.4
3051	Matanzas Pass (swing br.) Estero Island.	26 27	81 57	-1 10	-1 34	*1.22	*1.22	-	2.8	1.4
3052	Point Ybel, San Carlos Bay entrance.....	26 27	82 01	-1 50	-1 12	*1.21	*1.21	-	2.6	1.4
3053	Punta Rassa, San Carlos Bay.....	26 29	82 01	-1 01	-1 19	*1.04	*1.04	-	2.4	1.2
3054	Caloosahatchee River									
3054	Iona Shores.....	26 31	81 58	+1 08	+1 40	*0.43	*0.43	-	1.0	0.5
3055	Cape Coral Bridge.....	26 34	81 56	+1 15	+2 02	*0.43	*0.43	-	1.0	0.5
3056	Fort Myers.....	26 39	81 52	+2 08	+2 44	*0.52	*0.52	-	1.2	0.6
3057	St. James City, Pine Island.....	26 30	82 05	-0 30	-0 44	*1.04	*1.04	-	2.4	1.2
3058	Galt Island, Pine Island Sound.....	26 31	82 06	-0 25	+0 16	*0.91	*0.91	-	2.1	1.1
3059	Captiva Island (outside).....	26 29	82 11	-2 20	-2 28	*1.13	*1.13	-	2.6	1.3

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level
		Lat.	Long.	Time		Height		Mean	Diurnal	
				High Water	Low Water	High Water	Low Water			
		N	W	h. m.	h. m.	ft	ft	ft	ft	ft
FLORIDA, Gulf Coast Time meridian, 75°W				on ST. PETERSBURG, p.120						
3060	Captiva Island, Pine Island Sound.....	26 31	82 11	-0 46	-0 20	*0.91	*0.91	- -	2.1	1.1
3061	Redfish Pass, Captiva I. (north end)....	26 33	82 12	-0 55	-1 14	*0.91	*0.91	- -	2.1	1.0
3062	Tropical Homesites Landing, Pine Island.	26 33	82 05	-0 08	+0 22	*0.87	*0.87	- -	2.0	1.0
3063	Matlacha Pass (basculable bridge).....	26 38	82 04	+0 43	+1 28	*0.83	*0.83	- -	1.9	1.0
3064	Pineland, Pine Island.....	26 40	82 09	-0 19	+0 26	*0.83	*0.83	- -	1.9	0.9
3065	Port Boca Grande, Charlotte Harbor.....	26 43	82 15	-1 12	-1 56	*0.74	*0.74	- -	1.7	0.9
3066	Punta Gorda, Charlotte Harbor.....	26 56	82 04	+1 06	+1 27	*0.83	*0.83	- -	1.9	1.0
3067	Shell Point, Peace River.....	26 59	82 00	+1 52	+2 30	*0.91	*0.91	- -	2.1	1.1
3068	El Jobean, Myakka River.....	26 58	82 13	+1 38	+1 56	*0.83	*0.83	- -	1.9	1.0
3069	Placida, Gasparilla Sound.....	26 50	82 16	-1 27	-0 59	*0.70	*0.70	- -	1.6	0.8
3070	Englewood, Lemon Bay.....	26 56	82 21	-0 57	-0 40	*0.70	*0.70	- -	1.6	0.8
3071	Venice Inlet (inside).....	27 07	82 28	-2 02	-1 38	*0.91	*0.91	- -	2.1	1.1
3072	Sarasota, Sarasota Bay.....	27 20	82 33	-1 38	-0 58	*0.91	*0.91	- -	2.1	1.1
3073	Cortez, Sarasota Bay.....	27 28	82 41	-2 00	-1 25	*0.96	*0.96	- -	2.2	1.1
Tampa Bay										
3074	Egmont Key, Egmont Channel.....	27 36	82 46	-2 27	-2 24	*0.91	*0.91	- -	2.1	1.1
3075	Anna Maria.....	27 32	82 44	-2 07	-2 31	0.0	0.0	- -	2.3	1.2
3077	Bradenton, Manatee River.....	27 30	82 34	-1 24	-0 55	0.0	-0.1	- -	2.3	1.2
3079	Redfish Point, Manatee River.....	27 32	82 29	-0 30	+0 14	-0.1	-0.1	- -	2.2	1.1
3081	Mullet Key Channel (Skyway).....	27 37	82 40	-2 22	-1 58	*0.91	*0.91	- -	2.1	1.1
3083	Shell Point.....	27 43	82 29	+0 08	+0 17	0.0	0.0	- -	2.3	1.2
3085	Point Pinellas.....	27 42	82 38	-0 22	-0 29	*0.86	*0.86	- -	2.0	1.0
3087	ST. PETERSBURG.....	27 46	82 37	Daily predictions				- -	2.3	1.2
3089	Tampa, Hillsborough Bay.....	27 56	82 27	+0 07	+0 26	+0.5	+0.1	- -	2.8	1.4
3091	Safety Harbor, Old Tampa Bay.....	27 59	82 41	+1 38	+1 55	+0.5	0.0	- -	2.8	1.4
3093	Boca Ciega Bay									
3095	Pass-a-Grille Beach.....	27 41	82 44	-1 34	-1 30	*0.91	*0.91	- -	2.1	1.0
3096	Gulfport.....	27 44	82 42	-1 32	-1 05	0.0	-0.1	- -	2.3	1.2
3097	St. Petersburg Beach Causeway.....	27 45	82 45	-1 18	-0 44	-0.1	-0.1	- -	2.2	1.1
3099	Johns Pass.....	27 47	82 47	-2 14	-2 04	0.0	-0.1	- -	2.3	1.2
3101	Madeira Beach Causeway.....	27 48	82 48	-1 40	-1 18	0.0	-0.1	- -	2.3	1.2
Gulf Coast-Continued										
				on ST. MARKS RIVER ENT., p.124						
3103	Indian Rocks Beach (inside).....	27 52	82 51	-1 34	-1 28	*0.79	*0.79	1.8	2.6	1.3
3105	Clearwater.....	27 57	82 48	-2 25	-2 10	*0.79	*0.79	1.8	2.6	1.3
3107	Dunedin, St. Joseph Sound.....	28 01	82 48	-2 27	-2 20	*0.85	*0.85	1.9	2.8	1.4
3109	Anclote Keys, south end.....	28 10	82 51	-2 24	-2 31	*0.91	*0.91	2.1	3.0	1.5
3111	Tarpon Springs, Anclote River.....	28 10	82 46	-1 25	-1 16	*0.82	*0.82	1.9	2.7	1.3
3113	Indian Bay.....	28 27	82 40	-0 51	-0 12	0.0	0.0	2.4	3.4	1.8
3115	Bayport.....	28 32	82 39	-0 59	-0 45	0.0	0.0	2.4	3.4	1.8
3117	Withlacoochee River entrance.....	29 00	82 46	-0 30	+0 20	+0.1	0.0	2.5	3.5	1.8
3119	Cedar Key.....	29 08	83 02	-0 34	-0 33	+0.2	0.0	2.6	3.5	1.8
3121	Suwannee River entrance.....	29 17	83 09	-0 31	-0 17	0.0	0.0	2.4	3.4	1.8
3123	Pepperfish Keys.....	29 30	83 22	-0 25	-0 11	0.0	0.0	2.4	3.4	1.8
3125	Steinhatchee River ent., Deadman Bay....	29 40	83 24	-0 20	-0 06	0.0	0.0	2.4	3.4	1.8
3127	Fishermans Rest.....	29 44	83 32	-0 19	-0 05	0.0	0.0	2.4	3.4	1.8
3129	Spring Warrior Creek.....	29 55	83 41	-0 14	0 00	0.0	0.0	2.4	3.4	1.8
3131	Rock Islands.....	29 58	83 50	-0 08	+0 01	0.0	0.0	2.4	3.3	1.8
3133	Apalachee Bay									
3135	Aucilla River entrance.....	30 05	84 00	-0 02	+0 02	0.0	0.0	2.4	3.3	1.8
3137	ST. MARKS RIVER ENTRANCE.....	30 04	84 11	Daily predictions				2.4	3.3	1.8
3139	St. Marks, St. Marks River.....	30 09	84 12	+0 31	+1 01	0.0	0.0	2.4	3.3	1.8
	Bald Point, Ochlockonee Bay.....	29 57	84 20	+0 15	+0 25	*0.82	*0.82	2.0	2.7	1.5
				on ST. PETERSBURG, p.120						
3141	St. George Sound									
3143	Dog Island, west end.....	29 47	84 40	+0 07	+0 06	+0.4	+0.2	- -	2.6	1.3
	Carrabelle, Carrabelle River.....	29 51	84 40	+0 35	+0 31	+0.5	+0.3	- -	2.6	1.3
3145	Apalachicola Bay									
3147	Cat Point.....	29 43	84 53	+1 20	+1 27	+0.1	+0.2	- -	2.2	1.1
3149	Apalachicola.....	29 43	84 59	+2 00	+2 44	*0.74	*0.74	- -	1.7	0.9
3151	Lower Anchorage.....	29 36	85 03	+1 43	+2 09	*0.65	*0.65	- -	1.5	0.8
	West Pass.....	29 38	85 06	+1 33	+2 17	*0.61	*0.61	- -	1.4	0.7
Time meridian, 90°W										
				on PENSACOLA, p.128						
3153	Port Saint Joe, St. Joseph Bay f.....	29 48	85 18	-0 24	-0 51	+0.1	0.0	- -	1.4	0.7
3155	St. Andrew Bay									
3157	Channel entrance f.....	30 07	85 44	-1 31	-2 02	0.0	0.0	- -	1.3	0.6
3159	Panama City f.....	30 09	85 40	-0 43	-0 44	0.0	0.0	- -	1.3	0.6
3161	Parker f.....	30 08	85 37	-0 05	+0 22	+0.2	0.0	- -	1.5	0.7
3163	Laird Bayou, East Bay f.....	30 07	85 32	+0 26	+0 40	+0.3	0.0	- -	1.6	0.8
3165	Farmdale, East Bay f.....	30 01	85 28	+0 35	+0 55	+0.3	0.0	- -	1.6	0.8
3167	Wetappo Creek, East Bay f.....	30 02	85 24	+1 01	+1 40	+0.1	0.0	- -	1.4	0.7
3169	Lynn Haven, North Bay f.....	30 15	85 39	-0 06	+0 20	+0.3	0.0	- -	1.6	0.8
	West Bay Creek, West Bay f.....	30 17	85 51	+0 18	+1 23	+0.2	0.0	- -	1.5	0.7

Endnotes can be found at the end of table 2.

INDEX TO STATIONS, 1983
(Numbers refer to table 2)

[Stations marked with an asterisk (*) are reference stations for which daily predictions are given in table 1. Page numbers of reference stations are given in parentheses.]

		NO.	
A			
Abiels Ledge, Mass.....	1115	Ariege Bay, Newfoundland.....	203
Abraham Bay, Bahamas.....	3395	Armacao dos Buzios, Brazil.....	3687
Abrolhos Anchorage, Brazil.....	3677	Arroyo, Puerto Rico.....	3491
Absecon Creek, N. J.....	1695	Arthur Kill.....	1591-1601
Absecon Inlet, N. J.....	1699	Aruba, Lesser Antilles.....	3541
Acushnet River, Mass.....	1137	Asbury Park, N. J.....	1641
Adams Key, Fla.....	2976	Ashe Inlet, Hudson Strait.....	119
Addison, Maine.....	671	Ashepoo River, S. C.....	2651, 2653
Admiralty Bay, South Shetland Islands..	3860	Ashley River, S. C.....	2601-2611
Alabama.....	3191-3200	Assacorkin Island, Md.....	1927
Albany, N. Y. * (60).....	1567	Assateague Beach, Toms Cove, Va.....	1913
Albemarle and Pamlico Sounds.....	2444	Assistance Bay.....	23
Alberton, Prince Edward Island.....	419	Atchafalaya Bay, La.....	3258-3264
Alert, Arctic.....	32	Atlantic Beach, Fla.....	2883
Alexandria, Va.....	2239	Atlantic Beach, N. C.....	2469
Allen Cove, Maine.....	725	Atlantic City, N. J.....	1703
Allied Chemical Corp. Docks, Ga.....	2789	Atlantic Heights, N. H.....	903
Alligator Point, Tex.....	3288	Atlantic Highlands, N. J.....	1623
Alligator Reef Light, Fla.....	2989	Aucilla River, Fla.....	3133
Allmondsville, Va.....	2329	Augusta, Maine.....	851
Almirante Bay, Panama.....	3355	Auld Cove, Nova Scotia.....	456
Altamaha Sound, Ga.....	Page 225	Avalon, Md.....	2045
Alvarado, Mexico.....	3313	Avon River, Nova Scotia.....	571
Amazon River.....	3611-3615	B	
Amelia City, Fla.....	2841	Babylon, N. Y.....	1441
Amelia River, Fla.....	2833, 2841	Back Bay, New Brunswick.....	622
Amherst Harbour, Gulf of St. Lawrence..	441	Back River, Maine.....	821
Amherst Point, Nova Scotia.....	583	Back River, Md.....	2109
Amityville, N. Y.....	1445	Back River, Va.....	2347
Amuay, Venezuela * (156).....	3554	Baffin Bay.....	Page 201
Anacostia River.....	Page 220	Baffin Island.....	107-110, 121
Anacostia Bridge, D. C.....	2247	Bahamas.....	3367-3397
Benning Bridge, D. C.....	2249	Bahia Anegada, Argentina.....	3763
Anclote Keys, Fla.....	3109	Bahia Blanca, Argentina.....	3745-3753
Anclote River, Fla.....	3111	Bahia Bustamante, Argentina.....	3815
Andrews Ave. bridge, New River, Fla....	2947	Bahia Camarones, Argentina.....	3805
Androscoggin River, Maine.....	837, 839	Bahia Cruz, Argentina.....	3801
Angmagssalik, Greenland.....	53	Bahia de Caledonia, Panama.....	3359
Angra dos Reis, Brazil.....	3695	Bahia de Cienfuegos, Cuba.....	3431, 3433
Aningao, Greenland.....	79	Bahia de Levisa entrance, Cuba.....	3413
Anna Maria, Fla.....	3075	Bahia de los Nodales, Argentina.....	3825
Annapolis, Severn River, Md.....	2130	Bahia de Nipe entrance, Cuba.....	3409
Annapolis River, Nova Scotia.....	561	Bahia de Nuevitas, Cuba.....	3401
Annapolis Royal, Nova Scotia.....	561	Bahia de Tablazos, Venezuela.....	3552
Annisquam, Mass.....	921	Bahia Engano, Argentina.....	3793
Anticosti Island, Quebec.....	303-307	Bahia Gil, Argentina.....	3809
Antigonish Harbour, Nova Scotia.....	453	Bahia Honda, Cuba.....	3441
Antilla, Cuba.....	3411	Bahia Honda, Florida Keys.....	2994
Apalachee Bay, Fla.....	3133-3139	Bahia Janssen, Argentina.....	3797
Apalachicola Bay, Fla.....	3145-3151	Bahia Laura, Argentina.....	3827
Apalachicola.....	3147	Bahia Mar Yacht Club, Fla.....	2946
Lower Anchorage.....	3149	Bahia Oso Marino, Argentina.....	3823
West Pass.....	3151	Bahia San Blas, Argentina.....	3765
Ape Hole Creek, Md.....	1971	Bahia San Julian, Argentina.....	3829
Appomattox River, Va.....	2413	Bahia San Sebastian, Argentina.....	3841
Apponagansett Bay, Mass.....	1139	Bahia Thetis, Argentina.....	3847
Aquia Creek, Va.....	2213	Bailey Cut, Ga.....	2811
Aracaju, Brazil.....	3657	Baileys Landing, S. C.....	2687
Aransas Pass Channel, Tex.....	3301	Bakers Haulover Inlet (inside), Fla....	2956
Archers Creek, S. C.....	2691	Bald Head, N. C.....	2483
Arctic Archipelago.....	1-37	Bald Point, Fla.....	3139
Argentina, Newfoundland * (4).....	227	Baldwin Bay, N. Y.....	1463
Argentina.....	3725-3839	Baltimore, Md. * (80).....	2117
Arichat, Nova Scotia.....	479	Banco Chico, Argentina.....	3729

	NO.		NO.
Banco Cuirassier, Argentina.....	3731	Bells River, Fla.....	2835
Bangor, Maine.....	767	Ben Davis Point, N. J.....	1781
Bannermans Bridge, N. C.....	2497	Ben Hands Thorofare, N. J.....	1729
Bar Harbor, Maine.....	711	Benedict, Md.....	2159
Baracoa, Cuba.....	3417	Bergen Point, N. J.....	1577
Barahona, Dominican Republic.....	3479	Bermuda Hundred, Va.....	2415
Barataria Bay, La.....	3239-3243	Bermuda Islands.....	3361, 3363
Barataria Pass, La.....	3237	Berthier, Quebec.....	349
Barlows Landing, Mass.....	1113	Betchewun Harbour, Quebec.....	285
Barnegat Bay, N. J.....	1657-1669	Betsiamites River, Quebec.....	325
Barnegat Inlet, N. J.....	1667	Betterton, Md.....	2083
Barnes Sound, Fla.....	2987	Beverly, Mass.....	929
Barnstable Harbor, Mass.....	999	Biddle Point, Del.....	1835
Barra de Maturin, Venezuela.....	3569	Big Annemessex River, Md.....	1981
Barra do Rio Grande, Brazil.....	3719	Big Bay Creek, S. C.....	2637
Barren Island, Jamaica Bay, N. Y.....	1477	Big Marco River, Fla.....	3049
Barren Island, Md.....	2011	Big Spanish Key, Fla.....	2996
Barrington Passage, Nova Scotia.....	545	Billingsport, N. J.....	1859
Barron River, Fla.....	3037	Biloxi, Miss.....	3205
Barrow Strait, Arctic.....	21-25	Biltmore Shores, N. Y.....	1447
Bass Harbor, Maine.....	717	Birch Islands, Maine.....	645
Bass River, Mass.....	1029	Bird Island, Mass.....	1125
Bastian Island, La.....	3233	Bird Key, Fla.....	2998
Bastiscan, Quebec.....	367	Biscayne Bay, Fla.....	2962-2966
Bath, Maine.....	833	Black Rock Harbor, Conn.....	1237
Bathurst, New Brunswick.....	387	Blackbeard Creek, Ga.....	2762
Battery Creek, S. C.....	2681	Blackbeard Island, Ga.....	2757, 2762
Battery Point, Md.....	2105	Blackbird Creek, Del.....	1825
Battle Harbour, Labrador.....	180	Blackwater River, Fla.....	3187, 3189
Bay of Fundy.....	Pages 204, 205	Block Island, Great Salt Pond, R. I....	1181
Bay of Islands, Newfoundland.....	261	Block Island (Old Harbor), R. I.....	1183
Bay Point, Fla.....	3187	Blomsterbugten, Greenland.....	49
Bay Ridge, Md.....	2131	Bloody Point Bar Light, Md.....	2059
Bay Ridge, N. Y.....	1501	Bluefields Lagoon, Nicaragua.....	3349
Bay St. Louis, Miss.....	3211	Blue Hill Bay, Maine.....	721-727
Bay Shore, N. Y.....	1437	Blue Hill Harbor, Maine.....	723
Bay Shore Channel, N. J.....	1763	Bluffton, S. C.....	2701
Bay Side, N. J.....	1791	Boca Ciega Bay, Fla.....	3093-3101
Bayonne, N. J.....	1505	Boca Pedernales entrance, Venezuela....	3573
Bayou La Batre, Ala.....	3200	Boca Raton, Fla.....	2939
Bayou Rigaud, Grand Isle, La.....	3239	Bocas del Toro, Panama.....	3355
Bayport, Fla.....	3115	Bogue Inlet, N. C.....	2471
Bayport, Va.....	2278	Bogues Bay, Va.....	1917, 1918
Bayville, Va.....	2436	Bon Secour, Ala.....	3195
Bayville Bridge, N. Y.....	1343	Bonasse Pier, Trinidad.....	3583
Beach Channel (bridge), N. Y.....	1479	Bonne Bay, Newfoundland.....	263
Beach Hammock, Ga.....	2721	Boot Key Harbor, Fla.....	2993
Beach Haven, N. J.....	1677	Boothbay Harbor, Maine.....	809
Beach Thorofare, N. J.....	1701	Bordentown, N. J.....	1893
Beach Thorofare (Shelter I.), N. J.....	1707	Boston, Mass. * (36).....	949
Beaufort (Pivers Island), N. C.....	2465	Boston Harbor, Mass.....	939-969
Beaufort River, S. C.....	2679, 2683	Boston Light, Mass.....	939
Beaufort, S. C.....	2683	Bowdoinham, Maine.....	841
Beaujeu Channel, Quebec.....	345	Bowlers Rock, Va.....	2279
Beavertail Point, R. I.....	1151	Bowley Bar, Md.....	2107
Beckwiths Creek, Md.....	2017	Boynton Beach, Fla.....	2936
Beechy Island, Arctic.....	21	Bradenton, Fla.....	3077
Bees Ferry Bridge, S. C.....	2607	Bradore Bay, Quebec.....	273
Belem (Para), Brazil.....	3621	Branchport, N. J.....	1635
Belfast, Ga.....	2751	Brandypot Islands, Quebec.....	335
Belfast River, Ga.....	2751	Brandywine Shoal Light, N. J.....	1793
Belfast, Maine.....	769	Branford Harbor, Conn.....	1223
Belize.....	3327, 3328	Brazil.....	3605-3719
Belize City, Belize.....	3327	Breakwater Harbor, Del * (68).....	1805
Belle Isle Inlet, Mass.....	945	Breton Bay, Md.....	2185
Belleoram, Newfoundland.....	239	Breton Islands, La.....	3219
Belleville, Mass.....	1137	Breton Sound, La.....	3218
Belleville, Va.....	2303	Brewer Point, Severn River, Md.....	2129
Bellevue, D. C.....	2241	Brickyard Point, S. C.....	2663
Bellmore, N. Y.....	1457	Bridesburg, Pa.....	1883
Bellmore Creek, N. Y.....	1457	Bridgeport, Conn. * (48).....	1235
Bellot Strait, Arctic.....	15	Bridgeport, Fla.....	2877
Bellport, N. Y.....	1429	Bridgeton, N. J.....	1789
Bellport Bay, N. Y.....	1429	Bridgetown, Barbados.....	3533

	NO.		NO.
Bridgewater, Nova Scotia.....	537	Canavieiras, Brazil.....	3669
Bridport Inlet, Melville Island.....	7	Cane Patch Creek, Ga.....	2743
Brigantine Channel, N. J.....	1691	Canso, Strait of, Nova Scotia.....	501
Bristol, Pa.....	1889	Canso Harbour, Nova Scotia.....	505
Bristol, R. I.....	1163	Cap a la Roche, Quebec.....	365
Bristol Point, R. I.....	1157	Cap Chat, Quebec.....	317
Broad Creek, N. J.....	1697	Cape Adair, Arctic.....	97
Broad River, S. C.....	2691	Cape Bear, Prince Edward Island.....	433
Broad Sound, Mass.....	935, 937	Cape Borgen, Arctic.....	41
Bronx River, N. Y.....	1277	Cape Breton Island, Nova Scotia.....	457-461
Brooklyn, North Third Street, N. Y.....	1307	Cape Bryant, Arctic.....	35
Brooklyn Bridge, N. Y.....	1313	Cape Canaveral, Fla.....	2893
Broomes Island, Md.....	2157	Cape Cassipore, Brazil.....	3605
Browse Bay, N. Y.....	1471	Cape Charles Harbor, Va.....	1955
Brown Cove, Va.....	2439	Cape Cod, Mass.....	1007-1017
Brown Island, S. C.....	2545	Cape Cod Bay, Mass.....	993-1005
Browns Bay, Va.....	2305	Cape Cod Canal, east entrance.....	997
Brunswick, East River, Ga.....	2787	Cape Cod Canal, RR. bridge.....	1119
Brunswick, Maine.....	839	Cape Cod Lighthouse.....	1007
Buchanan Creek entrance, Va.....	2437	Cape Columbia, Arctic.....	31
Bucksport, Maine.....	761	Cape Coral Bridge, Fla.....	3055
Buenos Aires, Argentina * (180).....	3725	Cape Dyer, Baffin Island.....	110
Buffalo River entrance, Ga.....	2793	Cape Fear, N. C.....	2481
Bull Bay, S. C.....	2551-2559	Cape Fear River, N. C.....	2483-2499
Bull Creek, S. C.....	2533	Cape Florida, Fla.....	2967
Bull River, S. C.....	2661	Cape George, Nova Scotia.....	451
Burlington, N. J.....	1887	Cape Hatteras, N. C.....	2455
Burnside River, Ga.....	2735	Cape Henlopen, Del.....	1803
Burnt Coat Harbor, Maine.....	729	Cape Henry, Va.....	2440
Burnt Fort, Ga.....	2815	Cape Hewett, Arctic.....	98
Burnt Island, Maine.....	783	Cape Hooper, Baffin Island.....	107
Burntcoat Head, Nova Scotia.....	575	Cape Jack, Nova Scotia.....	455
Burwell Bay, Va.....	2383	Cape Lawrence, Arctic.....	95
Bushwood Wharf, Md.....	2195	Cape Lookout, N. C.....	2461
Button Islands, Labrador.....	149	Cape May, N. J.....	1755
Buzzards Bay, Mass.....	1105-1145	Cape May (ferry terminal), N. J.....	1762
Byam Martin Island, Arctic.....	9	Cape May Harbor, N. J.....	1753
		Cape May Point, N. J.....	1761
		Cape Morris Jesup, Arctic.....	37
		Cape Poge, Mass.....	1087
		Cape Porpoise, Maine.....	885
		Cape Romaine, S. C.....	2547
		Cape Romaine, S. C., 46 miles E. of.....	2549
		Cape Romano, Fla.....	3045
		Cape Sable, East Cape, Fla.....	3023
		Cape Sheridan, Arctic.....	33
		Cape Tormentine, New Brunswick.....	413
		Capers Inlet, S. C.....	2563
		Captiva Island, Fla.....	3059-3061
		Carapachibey, Cuba.....	3435
		Caraquet Harbour, New Brunswick.....	389
		Caravelas, Brazil.....	3675
		Cardenas, Cuba.....	3447
		Carenage Bay, Trinidad.....	3579
		Carenero, Venezuela.....	3557
		Caribbean Sea.....	3321-3325
		Carleton Point, Quebec.....	381
		Carlos Point, Fla.....	3050
		Carrabelle, Fla.....	3143
		Cartagena, Colombia.....	3545
		Carteret, N. J.....	1595
		Cartwright Harbour, Labrador.....	171
		Carupano, Venezuela.....	3563
		Casco Bay, Maine.....	853-877
		Casilda, Cuba.....	3429
		Castine, Maine.....	755
		Castle Hayne, N. C.....	2495
		Castle Island, Mass.....	947
		Castleton-on-Hudson, N. Y.....	1565
		Castors Harbour, Newfoundland.....	269
		Castries, St. Lucia.....	3527
		Cat Island, Miss.....	3209
		Cat Point, Fla.....	3145
		Cathance River, Maine.....	841

C

Cabedelo, Brazil.....	3647
Cabo Blanco, Argentina.....	3819
Cabo Frio, Brazil.....	3689
Cabo Gracias a Dios, Nicaragua.....	3341
Cabo Raso, Argentina.....	3799
Cabo San Antonio, Cuba.....	3439
Cabo San Pablo, Argentina.....	3845
Cabo Virgenes, Argentina.....	3839
Caillou Bay, La.....	3255
Caillou Boca, La.....	3253
Cainhoy, S. C.....	2597
Calais, Maine.....	637
Calcasieu Pass, La.....	3270
Caleta de los Loros, Argentina.....	3771
Caleta Leones, Argentina.....	3807
Caleta Valdes, Argentina.....	3783
Calibogue Sound, S. C.....	2697-2705
Caloosahatchee River, Fla.....	3054-3056
Camamu, Brazil.....	3665
Cambridge, Md.....	2025
Cambridge Bay, Arctic.....	11
Camden, Maine.....	771
Camden, N. J.....	1879
Caminada Pass, La.....	3245
Camocim, Brazil.....	3633
Camp Lloyd, Greenland.....	74
Camp Michigan, Greenland.....	77
Campbell Island, N. C.....	2491
Campbellton, New Brunswick.....	383
Canal Bermejo, Argentina.....	3757
Canal de Braganca, Brazil.....	3617
Canal del Sur, Argentina.....	3755
Cananeia, Brazil.....	3703
Canarsie, N. Y.....	1489

	NO.		NO.
Catskill, N. Y.....	1557	Church Flats, S. C.....	2621
Cawee Islands, Quebec.....	313	Churchill, Hudson Bay.....	126
Cayenne, French Guiana.....	3603	Cienfuegos, Cuba.....	3433
Cayos de Perlas, Nicaragua.....	3345	City Island, N. Y.....	1261
Cedar Island Point, S. C.....	2544	City Point, Va.....	2411
Cedar Key, Fla.....	3119	Claiborne, Md.....	2051
Cedar Point, Chesapeake Bay, Md.....	2165	Clarence Harbor, Bahamas.....	3387
Cedar Point, Severn River, Md.....	2128	Claremont, Va.....	2401
Cedar Point, N. Y.....	1391	Clarks Point, Mass.....	1133
Cedar Tree Neck, Mass.....	1073	Clay Bank, Va.....	2327
Center Harbor, Maine.....	733	Clear Lake, Tex.....	3281
Centreville Landing, Md.....	2067	Clearwater Fiord, Canada.....	111
Ceylon, Ga.....	2813	Clearwater, Fla.....	3105
Chain Bridge, D. C.....	2255	Cliffs Point, Md.....	2069
one mile below.....	2253	Cliffs Wharf, Md.....	2070
Chaleur Bay, Canada.....	377-391	Clifton Beach, Md.....	2215
Champlain, Quebec.....	369	Club Bridge Creek, S. C.....	2673
Champney Island, Ga.....	2773	Coates Point, N. J.....	1659
Chance, Md.....	1990	Coatzacoalcas, Mexico.....	3315
Chandeleur Light, La.....	3217	Cobb Point Bar Light, Md.....	2191
Channel Key, Fla.....	3013	Cobscook Bay, Maine.....	639-647
Charles River, Mass.....	953-957	Coconut Point, Fla.....	3049
Charles River Dam, Mass.....	955	Codroy Road, Newfoundland.....	255
Charleston, S. C. * (96).....	2577	Coffee Bluff, Ga.....	2737
Charleston Harbor, S. C.....	2571-2611	Coffins Point, Maine.....	643
Charleston Harbor entrance, S. C.....	2571	Cohansey River, N. J.....	1783-1789
Charlestown, Md.....	2093	Cohansey River entrance, N. J.....	1783
Charlestown, Mass.....	957	Cohasset Harbor, Mass.....	989
Charlestown Bridge, Mass.....	953	Cold Spring Harbor, N. Y.....	1345
Charlotte Amalie, Virgin Islands.....	3513	Coles Point, Va.....	2183
Charlottetown, Prince Edward Island.....	435	College Point, N. Y.....	1269
Charlton Island, Hudson Bay.....	130	Colleton River, S. C.....	2684, 2685
Chateau Bay, Labrador.....	181	Colombia.....	3542-3549
Chatham (inside), Mass.....	1013	Colonia, Uruguay.....	3723
Chatham (outer coast), Mass.....	1011	Colonial Beach, Va.....	2197
Chatham River, Florida.....	3033	Colton's Point, Md.....	2189
Cheatham Annex, Va.....	2324	Combahee Bank, S. C.....	2649
Chebeague Point, Maine.....	871	Combahee River Highway Bridge, S. C....	2657
Chechessee River, S. C.....	2689	Comfort Bight, Labrador.....	175
Chelsea, N. J.....	1705	Comodoro Rivadavia, Argentina * (188).....	3817
Chelsea, N. Y.....	1593	Conception Bay, Newfoundland.....	219
Chelsea River, Mass.....	959	Conch Bar, Jupiter Sound, Fla.....	2917
Cherry Island, Md.....	2017	Coney Island, N. Y.....	1493
Cherry Point, Va.....	2293	Connecticut.....	1187-1251
Chesapeake and Delaware Canal.....	1835-1839	Connecticut River.....	1200-1213
Chesapeake Bay.....	Pages 217-222	Connetquot River, N. Y.....	1435
Chesapeake Beach, Md.....	2145	Connoire Bay, Newfoundland.....	249
Chesapeake City, Md.....	1839	Conscience Bay entrance, N. Y.....	1365
Chester, Bells River, Fla.....	2835	Constable Hook, N. J.....	1571
Chester, Mahone Bay, Nova Scotia.....	529	Conway, S. C.....	2539
Chester, Pa.....	1857	Coon Key, Fla.....	3044
Chester River, Md.....	2061-2075	Cooper River, S. C.....	2581-2593
Chester, Va.....	2420	Cooper River RR. bridge, S. C.....	2593
Chesterfield Inlet, Hudson Bay.....	125	Coosaw River, S. C.....	2663-2665
Chestertown, Md.....	2071	Coral Harbour, Hudson Bay.....	124
Cheticamp, Nova Scotia.....	461	Corbins Neck, Va.....	2289
Chickahominy River, Va.....	2393-2399	Corea Harbor, Maine.....	683
Chicoutimi, Quebec.....	333	Cornfield Harbor, Md.....	2170
Chignecto Bay, Nova Scotia.....	579	Corning Landing, S. C.....	2693
Chilmark Pond, Mass.....	1065	Corsica River, Md.....	2067
Chincoteague, Va.....	1919	Corson Inlet, N. J.....	1727
Chincoteague Bay, Md. and Va.....	1913-1928	Cortez, Fla.....	3073
Chincoteague Point, Va.....	1915	Cos Cob Harbor, Conn.....	1247
Choctawhatchee Bay, Fla.....	3171	Costa Rica.....	3353
Choptank, Md.....	2027	Cote Blanche, La.....	3265
Choptank River, Md.....	2023-2035	Cotuit Highlands, Mass.....	1033
Choptank River Light, Md.....	2023	Courthouse Point, Md.....	2089
Chowan Creek, S. C.....	2677	Cove Point, Md.....	2151
Christiansted, Virgin Islands.....	3515	Covenas, Colombia.....	3544
Christina River, Del.....	1849	Coxsackie, N. Y.....	1561
Christina River entrance, Del.....	1847	Crandall, St. Marys River, Fla.....	2829
Christmas Point, Fla.....	2977	Craney Island, Va.....	2359
Christmas Point, Tex.....	3289	Crisfield, Md.....	1979
Chuckatuck Creek entrance, Va.....	2375	Cristobal, Panama * (144).....	3357

	NO.
Crooked River, Ga.....	2823
Cross River entrance, Maine.....	815
Crow Point, Mass.....	979
Crumpton, Md.....	2073
Cuba.....	3399-3447
Cuba Island, N. Y.....	1455
Cudjoe Key, Fla.....	2997
Culebrita, Isla, Puerto Rico.....	3495
Cumana, Venezuela.....	3559
Cumberland Sound, Ga. and Fla.....	2821-2837
Cumberland River, Ga.....	2817
Cumuruxatiba, Brazil.....	3673
Cundy Harbor, Maine.....	855
Curles, Va.....	2419
Curlew Harbour, Labrador.....	173
Currituck Beach Light, N. C.....	2443
Cutler, Biscayne Bay, Fla.....	2968
Cutler, Maine.....	655
Cuttyhunk Pond entrance, Mass.....	1105

D

Dahlgren, Va.....	2199
Dalhousie, New Brunswick.....	385
Dallas Bluff, Ga.....	2756
Damariscotta River, Maine.....	803,805
Damariscove Harbor, Maine.....	807
Dame Point, Fla.....	2861
Damons Point, Mass.....	992
Danmarks Havn, Greenland.....	39
Danmarks Island, Greenland.....	51
Darien River, Ga.....	2767,2769
Datum Bay, Bahamas.....	3391
Daufuskie Landing, S. C.....	2703
Davids Island, N. Y.....	1259
Davis Bank, Mass.....	1021
Davis Slough, N. C.....	2454
Davis Strait.....	107-113
Dawho Ferry, S. C.....	2627
Dawho River entrance, S. C.....	2625,2643
Daytona Beach, Ocean, Fla.....	2889
Dean Hall, S. C.....	2589
Deerfield Beach, Fla.....	2941
Dease Strait, Arctic.....	11
Deep Cove, Maine.....	639
Deep Creek Meadow, N. Y.....	1451
Deep Landing, Md.....	2077
Deep Neck Point, Md.....	2041
Deep Point, Md.....	2221
Deepwater Point, N. J.....	1845
Deer Island, Mass.....	943
Delaware.....	Pages 215-217
Delaware Bay.....	Pages 215,216
Delaware River.....	1823-1895
Delray Beach, Fla.....	2937
Democrat Point, N. Y.....	1421
Dennis Creek entrance, N. J.....	1767
Dennis Port, Mass.....	1027
Denton, Md.....	2031
Despair Bay, Newfoundland.....	241,243
Devils Island, N. J.....	1725
Deweese Inlet, S. C.....	2565
Diana Bay, Hudson Strait.....	139
Digby, Nova Scotia.....	559
Digges Harbour, Hudson Strait.....	131
Dillard Creek, Ga.....	2791
Dillard Wharf, Va.....	2391
Dinner Key Marina, Biscayne Bay, Fla...	2966
Discovery Harbor, Arctic.....	94
District of Columbia.....	Page 220
Dividing Creek, Va.....	2265
Dixie, Va.....	2295
Dobbs Ferry, N. Y.....	1533
Doboy Sound, Ga.....	Page 225

	NO.
Dock Thorofare, N. J.....	1709
Dog Hammock, Ga.....	2758
Dog Island, west end, Fla.....	3141
Dominican Republic.....	Page 232
Donald Ross Bridge, Fla.....	2928
Dover Bluff, Ga.....	2807
Dover Bridge, Md.....	2029
Dover Point, N. H.....	905
Dover Street Bridge, Mass.....	951
Drum Point, Md.....	2153
Duck Island, Conn.....	1215
Dumpling Rocks, Mass.....	1141
Dunedin, Fla.....	3107
Dyer Point, Maine.....	777

E

Eagle Creek, Ga.....	2760
Eagle Point, Tex.....	3280
East Bay, Fla.....	3161-3165
East Bay, Maine.....	641
East Bay, Pensacola Bay.....	3185
East Bay, Tex.....	3285
East Boothbay, Maine.....	803
East Chop, Mass.....	1081
East Greenwich, R. I.....	1173
East Haddam, Conn.....	1205
East Point, N. J.....	1769
East River, N. Y.....	1265-1329
Bellevue Hospital.....	1303
Brooklyn Bridge.....	1313
Williamsburg Bridge.....	1309
East Rockaway, N. Y.....	1469
East Rockaway Inlet, N. Y.....	1473
East Toco, Fla.....	2875
Eastern Bay, Md.....	2049,2051
Eastern Point Harbor, Maine.....	703
Eastport, Maine * (28).....	627
Eatons Neck Point, N. Y.....	1347
Eclipse Harbour, Labrador.....	151
Edgartown, Mass.....	1085
Edgemoor, Del.....	1851
Edgewater, Md.....	2135
Edisto Beach, S. C.....	2635
Eel Point, Mass.....	1051
Egg Island Point, N. J.....	1777
Egg Islands, Ga.....	2733
Eggmoggin Reach, Maine.....	731-735
Egmont Key, Fla.....	3074
El Jobean, Fla.....	3068
Elbow Cay, Bahamas.....	3369
Elbow of Cross Ledge Light, N. J.....	1799
Eleuthera Island, Bahamas.....	3379,3381
Elizabeth River, Va.....	2359-3365
Elizabethport, N. J.....	1591
Elk River, Md.....	2087-2091
Elliot Cut, S. C.....	2619
Elliot Key (outside), Fla.....	2973
Elliot Key Harbor, Fla.....	2974
Ellis Bay, Quebec.....	307
Empire Jetty, La.....	3232
Englewood, Fla.....	3070
English Kills entrance, N. Y.....	1301
Englishman Bay, Maine.....	661,663
Ensenada Honda, P. R.....	3501
Enterprise Landing, S. C.....	2535
Erin Bay, Trinidad.....	3585
Essequibo River, British Guiana.....	3589
Essex, Conn.....	1203
Esterio Bay, Fla.....	3048-3050
Estherville-Minim Creek Canal (ferry)...	2521
Eugene Island, La.....	3258
Everglades City, Fla.....	3037
Ewell, Md.....	1985

	NO.		NO.
Execution Rocks, N. Y.....	1337	Fort Washington, Md.....	2235
Exploits Lower Harbour, Newfoundland...	209	Fortaleza, Brazil.....	3637
F			
Fairhaven, Md.....	2143	Forteau Bay, Labrador.....	185
Fairmount Bridge, Pa.....	1869	Fortescue, N. J.....	1779
Fairton, N. J.....	1787	Fortune Bay, Newfoundland.....	237, 239
Falkland Islands.....	3849, 3851	Fourteen Foot Bank Light, N. J.....	1795
Falkner Island, Conn.....	1219	Fowey Rocks, Fla.....	2971
Fall River, Mass.....	1159	Fowl River, Ala.....	3196
Falling Creek entrance, Va.....	2425	Fox Channel, Arctic.....	123
Falmouth Heights, Mass.....	1039	Frazier Point, S. C.....	2523
False Cape, Va.....	2442	Frederica River, Ga.....	2783
Farmdale, Fla.....	3163	Fredericksburg, Va.....	2291
Faro Recalada, Argentina.....	3741	Frederiksdal, Greenland.....	59
Father Point, Quebec.....	327	Frederikshaab, Greenland.....	69
Fells Point, Md.....	2119	Freeport, N. Y.....	1463
Fenwick Island Light, Del.....	1907	Freeport Creek, N. Y.....	1461
Fernandina Beach, Fla.....	2831, 2833	Freeport Harbor, Tex.....	3293
Fernando de Noronha, Brazil.....	3639	French Guiana.....	3599-3603
Ferry Cove, Md.....	2049	Frenchman Bay, Maine.....	701-707
Ferry Point, Va.....	2393	Frenchman's Cove, Newfoundland.....	261
Ferry Reach, St. Georges Island.....	3363	Fresh Creek, Bahamas.....	3370
Fields Point, S. C.....	2655	Friendship Harbor, Maine.....	795
Finnsbu, Greenland.....	55	Fripp Inlet, S. C.....	2667
Finsch Islands, Greenland.....	45	Frobisher Bay, Canada.....	113
Fire Island Breakwater, N. Y.....	1419	Frontera, Mexico.....	3317
Fire Island Coast Guard Station, N. Y..	1422	Fulton, Fla.....	2859
Fire Island Radiobeacon, N. Y.....	1423	Fury and Hecla Strait, Arctic.....	13
Fishermans Island, Va.....	1949	G	
Fishermans Rest, Fla.....	3127	Gabarus Cove, Nova Scotia.....	475
Fishers Island Sound, Conn.....	1187	Galesville, Md.....	2141
Fishing Battery Light, Md.....	2099	Galleon Harbour, Jamaica.....	3453
Fising Bay, Md.....	2005	Galt Island, Fla.....	3058
Fishing Bend, Fla.....	3175	Galveston, Tex. * (136).....	3277
Fishing Point, Md.....	2005	Galveston Bay, Tex.....	3279-3287
Fishmaster's Harbor, Greenland.....	73	Galveston Bay Entrance, Tex.....	3275
Five Fathom Bank, N. J.....	1757	Galveston Pleasure Pier, Tex.....	3290
Five Fathom Creek, S. C.....	2551	Garden Cove, Fla.....	2982
Flamingo, Fla.....	2992	Garden Key, Fla.....	3002
Fleet Point, Va.....	2262	Garden Point, Maine.....	681
Florence, N. J.....	1891	Gardiner, Maine.....	847
Florida.....	Pages 225-229	Gardiners Bay, N. Y.....	1399
Florida Bay.....	2991, 2992	Gardner Island, La.....	3218
Florida Keys.....	2967-3031	Gargathy Neck, Va.....	1930
Floyd Creek, Ga.....	2819	Gaskins Point, Va.....	1959
Flushing Bay, N. Y.....	1269	Gaspe Bay, Quebec.....	373
Flushing Creek, N. Y.....	1271	Gay Head, Mass.....	1069
Fogo Harbour, Newfoundland.....	211	General Daniel Cerri, Argentina.....	3753
Folly Creek, Va.....	1932	George Island Landing, Md.....	1925
Folly Island, S. C.....	2613	George Washington Bridge, N. Y.....	1527
Folly River, S. C.....	2615	Georges Shoal, Mass.....	1019
Forest River, Ga.....	2737	Georgetown, British Guiana.....	3591
Fort Carroll, Md.....	2115	Georgetown, Md.....	2085
Fort Caswell, N. C.....	2485	Georgetown, S. C.....	2525, 2527
Fort Conger, Arctic.....	94	Georgetown Harbour, Prince Edward I....	431
Fort-de-France, Martinique.....	3525	Georgetown Lighthouse, S. C.....	2519
Fort Gaines, Ala.....	3194	Georgia.....	2707-2837
Fort George Island, Fla.....	2851	Gerrish Island, Maine.....	893
Fort George River, Fla.....	Page 225	Gibbs Island, Maine.....	669
Fort Hamilton, N. Y.....	1499	Gilchrist, Tex.....	3285
Fort Jackson, Ga.....	2711	Gilgo Heading, N. Y.....	1443
Fort Lauderdale, Fla.....	2946, 2947	Gingerville Creek, South River, Md.....	2136
Fort Mcallister, Ga.....	2739	Girard Point, Pa.....	1863
Fort Mifflin, Pa.....	1861	Glace Bay, Nova Scotia.....	471
Fort Myers, Fla.....	3056	Gleason Cove, Maine.....	629
Fort Pierce, Fla.....	2900	Glebe Pt., Va.....	2263
Fort Pierce Inlet- Fla.....	2904, 2906	Glen Cove, N. Y.....	1339
Fort Point, Maine.....	759	Gloucester, Mass.....	925
Fort Point, N. H.....	895	Gloucester City, N. J.....	1873
Fort Popham, Maine.....	829	Gloucester Point, Va.....	2317
Fort Sumter, S. C.....	2573	Glymont, Md.....	2227
Fort Wadsworth, N. Y.....	1497	Godhavn, Greenland.....	83
		Godthaab, Greenland.....	71

	NO.
Golden Beach, Fla.....	2952
Golfo de Guacanayabo, Cuba.....	3427
Golfo Nuevo, Argentina.....	3787-3791
Golfo San Jorge, Argentina.....	3807-3817
Golfo San Jose, Argentina.....	3775-3779
Golfo San Matias, Argentina.....	3771,3773
Gomez, South Jupiter Narrows, Fla.....	2914
Goodwin Neck, Va.....	2314
Goose Bay, Labrador.....	170
Goose Creek, Md.....	2205
Goose Creek, S. C.....	2583
Gosport Harbor, N. H.....	911
Gouldsboro Bay, Maine.....	681
Governors Island, N. Y.....	1509
Gowanus Bay, N. Y.....	1507
Grand Cayman, Jamaica.....	3461
Grand le Pierre Harbour, Newfoundland..	237
Grassy Bay, N. J.....	1693
Grassy Bay (bridge), Jamaica Bay.....	1487
Grassy Key, Fla.....	2969
Grassy Sound Channel, N. J.....	1747
Graveling Point, N. J.....	1685
Gravesend Bay, N. Y.....	1495
Grays Ferry Bridge, Pa.....	1867
Great Bay, N. J.....	1681-1689
Great Captain Island, Conn.....	1251
Great Egg Harbor Bay, N. J.....	1717
Great Egg Harbor Inlet, N. J.....	1713
Great Egg Harbor R., N. J.....	1719-1721
Great Hill, Mass.....	1121
Great Jervis Harbour, Newfoundland.....	243
Great Kills Harbour, N. Y.....	1605
Great Machipongo Inlet, Va.....	1939
Great Pocket, Fla.....	2913
Great Point, Mass.....	1047
Great Point Clear, Ala.....	3197
Great River, N. Y.....	1435
Great St. Lawrence Hbr., Newfoundland..	233
Great Shoals Light, Md.....	1993
Great Sound, N. J.....	1739
Great South Bay, N. Y.....	1422-1443
Great Wicomico River Light, Va.....	2261
Green Bay, Va.....	2285
Green Cove Springs, Fla.....	2873
Green Island, Maine.....	678
Green Island, N. Y.....	1453
Greenbackville, Va.....	1923
Greenbury Point Shoal Light, Md.....	2127
Greenland.....	39-93
Greenport, N. Y.....	1383
Greens Ledge, Conn.....	1243
Greensboro, Md.....	2033
Greenswich, Conn.....	1249
Greggs Landing, S. C.....	2611
Grenada, Lesser Antilles.....	3535
Grey River, Newfoundland.....	247
Griffith Island, Arctic.....	25
Grindstone Island, New Brunswick.....	585
Grondines, Quebec.....	363
Grosse Ile, Quebec.....	347
Guanaja, Isla de, Honduras.....	3337
Guanica, P. R.....	3485
Guantanamo Bay, Cuba.....	3421
Guarapari, Brazil.....	3681
Guard Shore, Va.....	1970
Guatemala.....	3329
Guayaguayare Bay, Trinidad.....	3587
Guinchos Cay, Bahamas.....	3367
Gulf of Mexico.....	Pages 227-230
Gulf of Paria, Venezuela.....	3565-3573
Gulf of St. Lawrence.....	Pages 202-204
Gulfport, Fla.....	3095
Gunpowder River, Md.....	2105
Gunston Cove, Va.....	2229

	NO.
Gurnet Point, Mass.....	993
Guyana.....	3589,3591
Guysborough, Nova Scotia.....	503
H	
Hackensack River, N. J.....	1586-1589
Haddam, Conn.....	1206
Hadlyme, Conn.....	1204
Haig Point, S. C.....	2699
Haiti.....	Page 232
Halfmoon Island, Fla.....	2847
Halifax, Nova Scotia * (20).....	521
Hall Beach, Foxe Basin.....	14
Hallowell, Maine.....	849
Hamilton Inlet.....	165-169
Hampden, Maine.....	765
Hampton Harbor, N. H.....	913
Hampton River, Ga.....	2775,2777
Hampton River, Va.....	2351
Hampton Roads, Va.....	2349-2357
Hampton Roads, Sewells Pt., Va. * (88).....	2353
Harbor Bay, Great Swan Island.....	3339
Harbor River entrance, Bull Bay, S. C..	2555
Harbor River entrance, S. C.....	2647
Harbour Grace, Newfoundland.....	219
Hare Bay, Newfoundland.....	245
Harkers Island, N. C.....	2463
Harlem River, N. Y.....	Page 212
Broadway Bridge.....	1327
Central Bridge.....	1321
East 110th Street.....	1315
Madison Ave. Bridge.....	1319
Spuyten Duyvil Bridge.....	1329
University Heights Bridge.....	1325
Washington Bridge.....	1323
Willis Ave. Bridge.....	1317
Harpswell Harbor, Maine.....	861
Harrietts Bluff, Ga.....	2825
Harrington Harbour, Quebec * (12).....	277
Harris, Fla.....	3173
Hartford, Conn.....	1213
Harvey Cedars, N. J.....	1669
Hashamomuck Beach, N. Y.....	1374
Hatteras, N. C.....	2456
Hatteras Inlet, N. C.....	2457
Havana, Cuba.....	3443
Haverstraw, N. Y.....	1539
Havre de Grace, Md.....	2095
Havre St. Pierre, Quebec.....	287
Hawks Nest Anchorage, Bahamas.....	3397
Haxall, Va.....	2417
Head Harbor, Maine.....	737
Heath Point, Quebec.....	303
Hebron, Labrador.....	158
Hell Gate, N. Y.....	1289
Hempstead Bay, N. Y.....	1451-1471
Hempstead Harbor, N. Y.....	1339
Hereford Inlet, N. J.....	1743
Herod Point, N. Y.....	1369
Herring Bay, Md.....	2143
Herring Cove, New Brunswick.....	601
Hewlett Point, N. Y.....	1333
Higganum Creek, Conn.....	1207
High Point, Va.....	2223
Highlands, N. J.....	1627
Hills Bridge, Md.....	2163
Hillsboro Beach, Fla.....	2942
Hillsboro Inlet (inside), Fla.....	2943
Hillsborough Bay, Fla.....	3089
Hilton Head, S. C.....	2671
Hingham Harbor, Mass.....	979
Hingham, Mass.....	981
Hingham Bay, Mass.....	971-987

	NO.		NO.
Hix Bridge, Mass.....	1145	Isla Zapara, Venezuela * (152).....	3551
Hobe Sound State Park, Fla.....	2916	Isle au Haut, Maine.....	736
Hoboken, N. J.....	1519	Isle of Hope, Ga.....	2731
Hog Point, Va.....	2387	Isle of Palms, S. C.....	2567
Holgate, N. J.....	1679	Isle of Springs, Maine.....	813
Holland Island Bar Light, Md.....	1989	Itacurussa, Brazil.....	3693
Hollidays Point, Va.....	2371	Itajai, Brazil.....	3709
Hollywood Beach, Fla.....	2951	Ivigut, Greenland.....	67
Holsteinsborg, Greenland.....	75		
Honduras.....	3331-3339		
Hooper Island Light, Md.....	2009		
Hooper Island, Md.....	2010		
Hooper Strait Light, Md.....	2007		
Hopedale Harbour, Labrador.....	161		
Hopes Advance Bay, Ungava Bay.....	140		
Hopewell Cape, New Brunswick.....	587		
Hopyard Landing, Va.....	2288		
Horan Head, Maine.....	647		
Horn Island Pass, Miss.....	3201		
Horns Hook, N. Y.....	1291		
Horton Bluff, Nova Scotia.....	571		
Horton Point, N. Y.....	1373		
Housatonic River, Conn.....	1231, 1233		
Howard Point, Maine.....	857		
Hudson, N. Y.....	1559		
Hudson Creek entrance, Ga.....	2765		
Hudson Creek, Md.....	2019		
Hudson River.....	1513-1569		
Hudson Strait and Bay.....	114-147		
Hull, Mass.....	987		
Hunters Point, N. Y.....	1299		
Hunting Island, S. C.....	2667		
Huntington Bay, N. Y.....	1349		
Huntington Park, Va.....	2378		
Hunts Point, N. Y.....	1275		
Hutchinson Island, S. C.....	2653		
Hyannis Port, Mass.....	1031		
Hyde Park, N. Y.....	1551		
I			
Igloolik, Arctic.....	13		
Ile aux Coudres, Quebec.....	341		
Ile Haute, Nova Scotia.....	565		
Iles du Salut, French Guiana.....	3601		
Ilha de Maraca, Brazil.....	3609		
Ilha do Brigue, Brazil.....	3611		
Ilhas de Sao Joao, Brazil.....	3623		
Ilheus, Brazil.....	3667		
Imbituba, Brazil.....	3715		
Independence Island, La.....	3241		
Indian Bay, Fla.....	3113		
Indian Creek, Fla.....	2957		
Indian Harbour, Labrador.....	165		
Indian Head, Md.....	2225		
Indian Key, Fla.....	3039		
Indian River, Del.....	1899-1903		
Indian River, Fla.....	2895-2898		
Indian River Inlet, Del.....	1899, 1900		
Indian Rocks Beach, Fla.....	3103		
Indiantown, New Brunswick.....	607		
Ingeniero White, Argentina.....	3751		
Ingnerit, Greenland.....	85		
Ingonish Island, Nova Scotia.....	465		
Iona Shores, Fla.....	3054		
Ireland Island, Bermuda.....	3361		
Iron Point, Maine.....	751		
Isaacs Harbour, Nova Scotia.....	509		
Isla Bermejo, Argentina.....	3755		
Isla del Maiz Grande, Nicaragua.....	3347		
Isla de Providencia, Colombia.....	3542		
Isla Escondida, Argentina.....	3795		
Isla Tova, Argentina.....	3813		
Isla Trinidad, Argentina.....	3757, 3759		
		J	
		Jack Bay, La.....	3221
		Jack Creek, S. C.....	2557
		Jacksonboro, S. C.....	2645
		Jackson Creek, Va.....	2294
		Jacksonville Bridge, Fla.....	2867
		Jacksonville, Fla.....	2865
		Jacmel, Haiti.....	3431
		Jaffrey Point, N. H.....	891
		Jamaica.....	3449-3461
		Jamaica Bay, N. Y.....	1475-1491
		Jamaica Beach, Tex.....	3287
		James Bay, Canada.....	128-130
		James River, Va.....	2375-2431
		Jamestown Island, Va.....	2389
		James Island Light, Md.....	1977
		Jeddore Harbour, Nova Scotia.....	519
		Jekyll Point, Ga.....	2737
		Jennetts Pier (ocean), N. C.....	2446
		Jensen Beach, Fla.....	2901
		Jersey City, N. J.....	1513
		Jobs Neck Pond, Mass.....	1063
		Joggins, Nova Scotia.....	581
		John F. Kennedy International Airport..	1485
		Johns Bay, Maine.....	801
		Johns Pass, Fla.....	3099
		Jointer Island, Ga.....	2799
		Jones Creek, Ga.....	2777
		Jones Inlet, N. Y.....	1449
		Jones Neck, Maine.....	797
		Jonesport, Moosabec Reach, Maine.....	667
		Jordan Point, Va.....	2409
		Joseph Bayou, La.....	3226
		Julianehaab.....	63
		Julienton River, Ga.....	2756
		Jupiter, Lake Worth Creek, Fla.....	2927
		Jupiter Inlet, Fla.....	2919
		Jupiter Sound, south end, Fla.....	2918
		K	
		Kangalaksiorvik Fiord, Labrador.....	153
		Kap Farvel, Greenland.....	57
		Keansburg, N. J.....	1619
		Kearny Point, N. J.....	1586
		Kegaska, Quebec.....	281
		Kennebec River, Maine.....	829-851
		Kennebunkport, Maine.....	887
		Kent Island Narrows, Md.....	2057
		Kettle Cove, Mass.....	1109
		Key Bridge, D. C.....	2251
		Key West, Fla. * (116).....	3001
		Keyport, N. J.....	1617
		Kilkenny Club, Ga.....	2747
		Kill Van Kull.....	1571-1577
		Kimball Island, Maine.....	739
		Kingsland Reach, Va.....	2423
		Kingsley Creek, Fla.....	2837
		Kingston Point, N. Y.....	1553
		Kingstown, St. Vincent.....	3531
		Kinsale, Va.....	2175
		Kiptopeke Beach (ferry), Va.....	1951
		Kittery Point, Maine.....	897
		Kitts Point, Md.....	2177

	NO.		NO.
Kitty Hawk, N. C.....	2445	Long Beach, Md.....	2149
Kivitoo, Baffin Island.....	109	Long Beach, Hempstead Bay, N. Y.....	1465
Koksoak River entrance.....	145	Long Beach (outer coast), N. Y.....	1467
L		Long Branch, N. J.....	1639
La Argentina, Argentina.....	3779	Long Creek, Va.....	2438
La Coloma, Cuba.....	3437	Long Island, N. Y.....	1409-1491
La Guaira, Venezuela.....	3555	Long Island City, 37th Ave., N. Y.....	1295
La Have River, Nova Scotia.....	535, 537	Long Island Sound.....	Pages 211-213
La Isabela, Cuba.....	3399	Long Point, N. J.....	1673
La Plata, Argentina.....	3727	Long Point, Md.....	1981
La Poile Bay, Newfoundland.....	251	Long Point, Lake Borgne, La.....	3213
La Romana, Dominican Republic.....	3475	Long Reach, N. J.....	1737
Labrador.....	149-185	Longport, N. J.....	1711
Lafayette River, Va.....	2355	Lora Point, Fla.....	3183
Granby Street Bridge.....	2357	Lostmans River, Fla.....	3029
Laguna, Brazil.....	3717	Louisburg Harbour, Nova Scotia.....	473
Laird Bayou, Fla.....	3161	Louisiana.....	3213-3270
Lake Borgne, La.....	3213, 3215	Love Point, Md.....	2061
Lake Maracaibo, Venezuela.....	3551, 3552	Lovell Island, Mass.....	941
Lake Melville, Labrador.....	170	Lowell Cove, Maine.....	859
Lake Tashmoor, Mass.....	1075	Lower Cedar Point, Md.....	2201
Lake Worth Pier (ocean), Fla.....	2934	Lower East Pubnico, Nova Scotia.....	549
Lanexa, Va.....	2399	Lower Hall Landing, Ala.....	3199
Langford Creek, Md.....	2065	Lower Marlboro, Md.....	2160
Laning Wharf, N. J.....	1785	Lower New York Bay.....	Page 214
Lauderdale-by-the-Sea, Fla.....	2944	Lower Rocketts, Va.....	2429
Lawrence Point, N. Y.....	1283	Lower Savage Islands, Hudson Strait....	117
Leaf Bay, Hudson Strait.....	141	Lubec, Maine.....	649
Leaf Lake, Hudson Strait.....	143	Lucy Point Creek, S. C.....	2659
Leedstown, Va.....	2283	Luis Correia, Brazil.....	3631
Legareville, S. C.....	2617	Lunenburg, Nova Scotia.....	533
Leipsic, Delaware.....	1819	Lyme, Highway Bridge, Conn.....	1202
Leipsic River entrance, Del.....	1817	Lynch Point, Va.....	2173
Leith Harbor, S. Georgia Island.....	3855	Lynn Harbor, Mass.....	937
Lemon Bay, Fla.....	3066	Lynn Haven, Fla.....	3167
Lemon Island, S. C.....	2689	Lynnhaven Bay, Va.....	2436-2439
Leonardtown, Md.....	2185	Lynnhaven Inlet, Va.....	2435
Lepreau Harbour, New Brunswick.....	609	M	
Lesser Antilles.....	3511-3541	Mabou River entrance, Nova Scotia.....	459
Lester Manor, Va.....	2339	Macae, Brazil.....	3685
L'Etang Harbour, New Brunswick.....	611	Macapa, Brazil.....	3615
Lewisetta, Va.....	2171	Macau, Rio Acu, Brazil.....	3643
Lighthouse Point, La.....	3264	McClellanville, S. C.....	2553
Lignumvitae Key, Fla.....	2991	McCrie Shoal, N. J.....	1759
Lille Pendulum, Greenland.....	43	Macaeo, Brazil.....	3653
Limon, Costa Rica.....	3353	Machias Seal Island, New Brunswick.....	619
Lincoln Sea, Arctic.....	31-33	Machiasport, Maine.....	659
Liscomb Harbour, Nova Scotia.....	513	Mackeral Cove, Maine.....	727
L'Islet, Quebec.....	343	Macuro, Venezuela.....	3565
Liston Point, Del.....	1823	Madeira Beach Causeway, Fla.....	3101
Little Annemessex River, Md.....	1979	Madison, Conn.....	1217
Little Choptank River, Md.....	2013-2019	Magens Bay, Virgin Islands.....	3511
Little Creek, Va.....	2433	Magnolia Gardens, S. C.....	2609
Little Egg Harbor, N. J.....	1671-1679	Magothy River, Md.....	2123
Little Egg Inlet, N. J.....	1681	Magueyes Island, P. R.....	3483
Little Ferry, N. J.....	1588	Mahone Bay, Nova Scotia.....	529, 531
Little Flying Point, Maine.....	867	Mahone Harbour, Nova Scotia.....	531
Little Gull Island, N. Y.....	1379	Mahon River entrance, Del.....	1815
Little Hickory Island, Fla.....	3048	Main Marsh Thorofare, N. J.....	1689
Little River, Maine.....	655	Maine.....	Pages 205-207
Little River, S. C.....	2507	Malpeque Bay, Prince Edward Island.....	421
Little River (town), S. C.....	2509	Mamaroneck, N. Y.....	1255
Little Satilla River, Ga.....	Page 225	Manahawkin Bridge, N. J.....	1671
2.5 Miles above mouth.....	2801	Manasquan Inlet, N. J.....	1649
8 Miles above mouth.....	2803	Manasquan River, N. J.....	1651, 1653
below Spring Bluff.....	2805	Manatee River, Fla.....	3077, 3079
Liverpool Bay, Nova Scotia.....	539	Manchester Harbor, Mass.....	927
Liverpool Point, Md.....	2217	Manilla, La.....	3243
Lloyd Harbor entrance, N. Y.....	1349	Manokin River, Md.....	1983
Lockeport, Nova Scotia.....	541	Mantoloking, N. J.....	1657
Lockwoods Folly Inlet, N. C.....	2501	Manzanillo, Cuba.....	3427
Lonesome Bayou, La.....	3222	Maquoit Bay, Maine.....	867

	NO.		NO.
Nantucket Sound, Mass.....	1023-1039	North Bimini, Bahamas.....	3372
Naples (outer coast), Fla.....	3047	North Brother Island, N. Y.....	1279
Nariva River, Trinidad.....	3588	North Carolina.....	2443-2505
Narragansett Bay.....	1147-1177	North Cat Cay, Bahamas.....	3371
Narragansett Pier, R. I.....	1177	North Charleston, S. C.....	2581
Narraguagus Bay, Maine.....	673	North Edisto River, S. C.....	2623-2633
Narsarsuaq, Greenland.....	65	North Fork, Loxahatchee River, Fla.....	2922
Naskeag Harbor, Maine.....	731	North Fork, St. Lucie River, Fla.....	2907
Nassau, Bahamas.....	3377	North Head, Grand Manan Island.....	613
Nassau Sound, Fla.....	Page 225	North Inlet, S. C.....	2515
Nassau Sound, Fla.....	2839	North Miami Beach, Fla.....	2954
Nassauville, Fla.....	2843	North Newport River, Ga.....	2753
Nassawadox Creek, Va.....	1957	North Palm Beach, Lake Worth Cr., Fla..	2929
Natal, Brazil.....	3645	North Point, Md.....	2113
Natashquan, Quebec.....	283	North Rustico, Prince Edward Island....	423
Naufrage, Prince Edward Island.....	427	North Santee River Inlet, S. C.....	2541
Nauset Harbor, Mass.....	1009	North Star Bay, Greenland.....	87
Nayatt Point, R. I.....	1167	North Sydney, Cape Breton Island.....	469
Neds Creek, N. Y.....	1459	Northbury, Va.....	2343
Nehumkeag Island, Maine.....	845	Northeast River, Md.....	2093
Neil Harbour, Nova Scotia.....	463	Northport, N. Y.....	1351
Neponset, Mass.....	965	Northville, N. Y.....	1370
New Baltimore, N. Y.....	1563	Northwest Fork, Loxahatchee River, Fla.	2924
New Bedford, Mass.....	1135	Northwest Harbor, Maine.....	745
New Brighton, N. Y.....	1573	Norton Point, Gravesend Bay.....	1495
New Brunswick.....	383-415,585-625	Norton Point, Jamaica Bay.....	1483
New Brunswick, N. J.....	1615	Norwich, Conn.....	1197
New Castle, Del.....	1843	Notttingham, Md.....	2161
New Dorp Beach, N. Y.....	1603	Nova Scotia.....	443-583
New Hamburg, N. Y.....	1547	Noyack Bay, N. Y.....	1387
New Hampshire.....	Page 207	Nuevitas, Cuba.....	3403
New Harbor, Maine.....	791	Nunarssuaq, Greenland.....	81
New Haven (city dock), Conn.....	1227	Nurse Channel, Bahamas.....	3389
New Haven Harbor, Conn.....	1225	Nut Island, Mass.....	971
New Jersey.....	Pages 213-216		
New London, Conn. * (44).....	1193		0
New Meadows River, Maine.....	855,857	Oak Bluffs, Mass.....	1083
New Orleans, La.....	3230	Oak Hill, Mosquito Lagoon, Fla.....	2894
New Point Comfort, Va.....	2299	Oak Orchard, Del.....	1901
New River Inlet, N. C.....	2473	Oakbeach, N. Y.....	1439
New Rochelle, N. Y.....	1257	Occoquan Bay, Va.....	2223
New Suffolk, N. Y.....	1393	Ocean City, Md.....	1909,1910
New Topsail Inlet, N. C.....	2475	Ocean City, N. J.....	1715
New York, 130th Street.....	1525	Oceanville, Maine.....	741
New York, Chelsea Docks.....	1517	Ocean Reef Harbor, Key Largo, Fla.....	2981
New York, Desbrosses Street.....	1515	Ocracoke, N. C.....	2459
New York, East 19th Street.....	1305	Ocracoke Inlet, N. C.....	2458
New York, East 27th Street.....	1303	Ogeechee River, Ga.....	2739,2741
New York, East 41st Street.....	1297	Old Bic Harbour, Quebec.....	329
New York, East 110th Street.....	1315	Old Ferry Point, N. Y.....	1267
New York Harbor.....	1493-1511	Old Frenchtown Wharf, Md.....	2091
New York State.....	Pages 211-214	Old House Channel, N. C.....	2452
New York, The Battery * (56).....	1511	Old Orchard Beach, Maine.....	881
New York, Union Stock Yards.....	1523	Old Plantation Flats, Va.....	1953
Newark, N. J.....	1583	Old Point Comfort, Va.....	2349
Newark Bay.....	Page 214	Old Tracadie Gully ent., New Brunswick.	401
Newburgh, N. Y.....	1545	Oldmans Point, N. J.....	1853
Newburyport, Mass.....	917	Onancock, Va.....	1963
Newcastle, Maine.....	805	Onion Key, Fla.....	3031
Newcastle, New Brunswick.....	407	Orange Park, Fla.....	2871
Newfoundland.....	201-271	Orchard Point, Va.....	2273
Newport, R. I. * (40).....	1153	Oregon Inlet, N. C.....	2449
Newport News, Va.....	2377	Oregon Inlet Bridge, N. C.....	2450
Nickerie River, Surinam.....	3593	Oregon Inlet Channel, N. C.....	2451
Nissequogue River, N. Y.....	1353	Oregon Inlet Marina, N. C.....	2448
Noank, Conn.....	1189	Oregon Inlet (USCG station), N. C.....	2453
Nobska Point, Mass.....	1089	Orient, N. Y.....	1381
Nomans Land, Mass.....	1067	Ortega River entrance, Fla.....	2869
Nomini Creek, Va.....	2188	Ossabaw Sound, Ga.....	2733-2743
No Name Key, Fla.....	2995	Ossining, N. Y.....	1537
Norfolk, Va.....	2363	Otis Cove, Maine.....	787
Normandie, N. J.....	1631	Outer Wood Island, New Brunswick.....	617
Norris Cove, Newfoundland.....	263	Owls Head, Maine.....	775
North Beach C. G. S., Md.....	1911		

	NO.		NO.
Oxford, Md.....	2037	Phippsburg, Maine.....	831
Oyster Bay, N. Y.....	1341-1345	Phoenix Park, Fla.....	2863
Oyster Bay Harbor, N. Y.....	1341	Piankatank River, Va.....	2293, 2295
Oyster Bay, Bayville Bridge, N. Y.....	1343	Pictou, Nova Scotia * (8).....	447
Oyster Creek Channel, N. J.....	1665	Pig Point, Va.....	2367
P			
Pablo Creek, Fla.....	2857	Pigeon Hill Bay, Maine.....	677
Padre Island (south end).....	3303	Pikyulik Island.....	114
Palatka, Fla.....	2879	Pine Harbor, Ga.....	2759
Palm Bay, Fla.....	2896	Pineland, Pine Island, Fla.....	3064
Palm Beach, (ocean), Fla.....	2932	Piney Island, Va.....	1921
Palm Beach, Port of, Fla.....	2931	Piney Point, Md.....	2181
Pamlico Sound, N. C.....	2445	Pinkham Bay, Maine.....	679
Pamunkey River, Va.....	2337-2343	Piscataqua River, Maine and N. H....	903-909
Panama.....	3355-3359	Pistolet Bay, Newfoundland.....	201
Panama City, Fla.....	3157	Placentia Bay, Newfoundland.....	227-231
Panuco R., Mexico.....	3307, 3309	Placida, Fla.....	3069
Paramaribo, Surinam.....	3597	Playa Cortada, P. R.....	3489
Paranagua, Brazil.....	3705	Playa de Fajardo, P. R.....	3503
Parati, Brazil.....	3697	Playa de Ponce, P. R.....	3487
Parham, Antigua.....	3519	Pleasant Bay, Mass.....	1015
Parika, British Guiana.....	3589	Pleasant River, Maine.....	669, 671
Paris Road Bridge, New Orleans, La.....	3231	Plumb Beach Channel, N. Y.....	1475
Parker, Fla.....	3159	Plum Gut Harbor, N. Y.....	1377
Parris Island, S. C.....	2679	Plum Island Sound, Mass.....	919
Parrsboro, Nova Scotia.....	569	Plum Point, Md.....	2147
Pascagoula, Miss.....	3202	Plymouth, Mass.....	995
Pascagoula River, Miss.....	3203	Pocasset Harbor, Mass.....	1113
Paspebiac, Quebec.....	379	Pocomoke City, Md.....	1975
Pass-a-Grille Beach, Fla.....	3093	Pocomoke River, Md.....	1973-1976
Pass a Loutre entrance, La.....	3223	Point Av Fer, La.....	3259
Pass Cavallo, Tex.....	3295	Point Barrow, Tex.....	3284
Passaic, N. J.....	1585	Point Breeze, Pa.....	1865
Passamaquoddy Bay.....	623, 624	Point Chevreuil, La.....	3261
Patapsco River, Md.....	2113-2121	Point Judith Harbor of Refuge, R. I....	1179
Patchogue, N. Y.....	1431	Point Lookout, Md.....	2169
Patuxent River, Md.....	2153-2163	Point No Point, Md.....	2167
Pavilion Key, Fla.....	3035	Point o' Woods, N. Y.....	1427
Pawleys Island, S. C.....	2514	Point of Pines, S. C.....	2624
Pawtucket, R. I.....	1171	Point Pinellas, Fla.....	3085
Payer Harbour, Baffin Bay.....	96	Point St. Peter, Quebec.....	375
Peace River, Fla.....	3062	Point Ybel, Fla.....	3052
Pea Patch Island, Del.....	1841	Pointe-a-Pitre, Guadeloupe.....	3521
Peaks Island, Maine.....	875	Pointe aux Orignaux, Quebec.....	339
Peck Bay, N. J.....	1723	Pointe des Monts, Quebec.....	319
Peconic Bays, N. Y.....	1393-1397	Pointe Platon, Quebec.....	361
Pee Dee River, S. C.....	2527	Ponce de Leon Inlet, Fla.....	2891
Peekskill, N. Y.....	1541	Pond Point, Md.....	2101
Pelican Harbor, Bahamas.....	3375	Ponquogue Bridge, N. Y.....	1411
Pelican Islands, La.....	3249	Ponta da Areia, Brazil.....	3661
Pemaquid Harbor, Maine.....	801	Ponta Pedreira, Brazil.....	3613
Penikese Island, Mass.....	1107	Pooles Island, Md.....	2103
Penniman Spit, Va.....	2323	Poplar Island, Md.....	2047
Pennsylvania.....	Pages 216, 217	Poponesset Island, Mass.....	1035
Penny Strait, Arctic.....	29	Poquoson River, Va.....	2345
Penobscot Bay, Maine.....	731-777	Porlamar, Venezuela.....	3561
Penobscot River, Maine.....	759-767	Port-au-Port, Newfoundland.....	259
Pensacola, Fla. * (128).....	3181	Port-au-Prince, Haiti.....	3463
Pensacola Bay, Fla.....	3177-3189	Port Aux Basques, Newfoundland.....	253
Pensacola Bay entrance, Fla.....	3177	Port Boca Grande, Fla.....	3065
Pepperfish Keys, Fla.....	3123	Port Bolivar, Tex.....	3276
Perdido Bay, Ala.....	3191	Port Bowen, Arctic.....	17
Perrin River, Va.....	2313	Port Burwell, Hudson Strait.....	147
Perth Amboy, N. J.....	1601	Port Chester, N. Y.....	1253
Peters Point, S. C.....	2639	Port Clyde, Maine.....	785
Petersburg, Va.....	2413	Port Daniel, Quebec.....	377
Petitcodiac River, New Brunswick.....	585-591	Port de Boucherville, Hudson Strait....	133
Philadelphia, Bridesburg, Pa.....	1883	Port Deposit, Md.....	2097
Philadelphia, Pier 11 North, Pa. * (76)	1877	Port Eads, South Pass, La.....	3225
Philadelphia, old Pier 80 North, Pa.....	1881	Port Everglades, Fla.....	2948, 2949
Philadelphia, South Broad St., Pa.....	1871	Port Foster, S. Shetland Islands.....	3859
Philadelphia, Washington Ave., Pa.....	1875	Port Foulke, Greenland.....	89
		Port George, Nova Scotia.....	563
		Port Hastings, Nova Scotia.....	501
		Port Hood, Nova Scotia.....	457

281

	No.		No.
Port Isabel, Tex.....	3305	Puerto Rosales, Argentina.....	3747
Port Jefferson, N. Y.....	1361	Puerto San Antonio, Argentina.....	3773
Port Jefferson Harbor, N. Y.....	1359	Pueyrredon, Argentina.....	3777
Port Kennedy, Arctic.....	15	Pugwash, Nova Scotia.....	443
Port Lavaca, Tex.....	3299	Pulpit Harbor, Maine.....	753
Port Leopold, Arctic.....	19	Pumpkin Bay, Fla.....	3043
Port Louis, Falkland Islands.....	3849	Pumpkin Island, Maine.....	757
Port Manvers, Labrador.....	157	Pumpkin Key, Fla.....	2986
Port Marnham, Labrador.....	179	Pungoteague Creek, Va.....	1961
Port Monmouth, N. J.....	1621	Punta Ancla, Argentina.....	3745
Port Morant, Jamaica.....	3449	Punta Delgada, Argentina.....	3785
Port Morris, N. Y.....	1281	Punta de Palmas, Venezuela.....	3553
Port Nelson, Hudson Bay.....	127	Punta Gorda, Belize.....	3328
Port Newark Terminal, N. J.....	1581	Punta Gorda, Fla.....	3066
Port Norfolk, Va.....	2361	Punta Gorda, Venezuela * (160).....	3571
Port Norris, N. J.....	1771	Punta Laberinto, Argentina.....	3761
Port O'Conner, Tex.....	3297	Punta Lobos, Argentina.....	3759
Port of Spain, Trinidad.....	3581	Punta Loyola, Argentina * (192).....	3835
Port Richmond, N. Y.....	1575	Punta Maisi, Cuba.....	3419
Port Royal, Jamaica.....	3451	Punta Mulas, P. R.....	3499
Port Royal, S. C.....	2681	Punta Ninfas, Argentina.....	3787
Port Royal, Va.....	2287	Punta Norte, Argentina.....	3781
Port Royal, Honduras.....	3333	Punta Norte del Cabo San Antonio.....	3735
Port Royal Sound, S. C.....	2669-2695	Punta Pasacaballos, Cuba.....	3431
Port Saint Joe, Fla.....	3153	Punta Piedras, Argentina.....	3733
Port Saunders, Newfoundland.....	267	Punta Rassa, Fla.....	3053
Port Union, Newfoundland.....	215	Punta Redonda, Argentina.....	3769
Port Washington, N. Y.....	1335		
Port Wentworth, Ga.....	2715	Q	
Portage Island, New Brunswick.....	405	Quaco Bay, New Brunswick.....	603
Portland, Conn.....	1209	Quantico Creek, Va.....	2219
Portland, Maine * (32).....	877	Quarter Point, Va.....	2315
Portland Cove, Newfoundland.....	265	Quatre Bayous Pass, La.....	3235
Porto Belo, Brazil.....	3711	Quebec.....	273-381
Portsmouth, N. H.....	901	Quebec, Quebec * (16).....	353
Portsmouth, Va.....	2365	Queen Creek, Va.....	2325
Portsmouth Harbor, Maine and N. H....	891-901	Queenstown, Md.....	2063
Possum Point, Del.....	1903	Quequen, Argentina.....	3739
Pot Cove, N. Y.....	1287	Quick's Hole (middle), Mass.....	1101
Potomac River, D. C., Md., Va.....	2170-2255	Quick's Hole (north side), Mass.....	1103
Potunk Point, N. Y.....	1413	Quick's Hole (south side), Mass.....	1099
Poughkeepsie, N. Y.....	1549	Quimby Creek, S. C.....	2591
Pretty Marsh Harbor, Maine.....	719	Quinby Inlet, Va.....	1935
Prince Edward Island.....	417-437		
Prince Point, Maine.....	873	R	
Prince Regent Inlet.....	17,19	Rabbit Island, La.....	3262
Princess Bay, N. Y.....	1607	Raccoon Point, La.....	3255
Princess Royal Islands, Arctic.....	1	Race Point, Mass.....	1005
Progreso, Mexico.....	3319	Ragged Keys, Fla.....	2972
Promised Land, N. Y.....	1401	Ragged Point, Va.....	2182
Prospect Harbor, Maine.....	685	Rainsford Island, Mass.....	969
Providence, R. I.....	1169	Random Head Harbour, Newfoundland.....	217
Provincetown, Mass.....	1003	Rappahannock River, Va.....	2271-2291
Prudence Island, R. I.....	1155	Raritan Bay.....	Page 214
Public Landing, Md.....	1928	Raritan River, N. J.....	1609-1615
Puerto Belgrano, Argentina * (184).....	3749	Ravens Point, S. C.....	2633
Puerto Cabezas, Nicaragua.....	3343	Reaves Point, N. C.....	2489
Puerto Castilla, Honuras.....	3335	Recife, Brazil * (168).....	3651
Puerto Colombia, Colombia.....	3546	Red Bank, N. J.....	1629
Puerto Cortes, Honduras.....	3331	Red Bay, Labrador.....	183
Puerto de Gibara, Cuba.....	3407	Redfish Pass, Fla.....	3061
Puerto de Hierro, Venezuela.....	3567	Redfish Point, Fla.....	3079
Puerto de Pilon, Cuba.....	3425	Reedy Island, Del.....	1827
Puerto de Santiago de Cuba, Cuba.....	3423	Reedy Point, Del. * (72).....	1833
Puerto Deseado, Argentina.....	3821	Refuge Cove, Arctic.....	27
Puerto Ferro, P. R.....	3497	Rehoboth Beach, Del.....	1897
Puerto Madryn, Argentina.....	3791	Rehoboth Bay, Del.....	1905
Puerto Maunabo, P. R.....	3493	Rennselaer Bugt, Greenland.....	91
Puerto Melo, Argentina.....	3811	Resolution Island.....	115
Puerto Padre, Cuba.....	3405	Rhode Island.....	Pages 210,212
Puerto Piramides, Argentina.....	3789	Rhode River, Md.....	2137
Puerto Plata, Dominican Republic.....	3467	Ria Coig, Argentina.....	3833
Puerto Real, P. R.....	3509		
Puerto Rico.....	3483-3509		

	NO.		NO.
Richibucto River ent., New Brunswick...	409	Ste. Croix, Quebec.....	359
Richmond, Maine.....	843	St. Croix Island, Maine.....	633
Richmond, Va.....	2431	St. Croix Islands, Virgin Islands.....	3515
Richmond Deepwater Terminal, Va.....	2427	St. Croix River, Maine.....	625,631-637
Richmond Island, Maine.....	879	St. George, N. Y.....	1503
Rigolet, Labrador.....	169	St. George River, Maine.....	785-789
Rio Ceara (bar), Brazil.....	3635	St. George Sound, Fla.....	3141,3143
Rio Cunani entrance, Brazil.....	3607	St. Georges Harbour, Newfoundland.....	257
Rio de Janeiro, Brazil * (172).....	3691	St. Helena Sound, S. C.....	2647-2667
Rio de La Plata.....	3723-3733	St. James City, Fla.....	3057
Rio Dulce, Guatemala.....	3329	St. John, New Brunswick * (24).....	605
Rio Gallegos, Argentina.....	3837	St. John's, Newfoundland.....	221
Rio Grande (Muelle), Argentina.....	3843	St. Johns River, Fla.....	2853-2881
Rio Maroni entrance, French Guiana.....	3599	St. Jones River entrance, Del.....	1813
Rio Negro ent., Argentina.....	3769	St. Joseph Bay, Fla.....	3153
Rio Orinoco, Venezuela.....	3575	St. Joseph Sound, Fla.....	3107
Rio Sao Francisco, Brazil.....	3655	St. Laurent d'Orleans, Quebec.....	351
Riohacha, Colombia.....	3549	St. Lawrence River.....	315-371
Riverport, Nova Scotia.....	535	St. Lucia, Lesser Antilles.....	3527,3529
Riverside, Md.....	2209	St. Lucie River, Fla.....	2907-2911
Riverview, Md.....	2237	St. Margarets Bay, Nova Scotia.....	527
Riviera Beach, Baffin Bay, Tex.....	3302	St. Marks, Fla.....	3137
Riviera Beach, N. J.....	1653	St. Marks River entrance, Fla. * (124).....	3135
Roane Point, Va.....	2330	St. Mary Bay, Nova Scotia.....	553-557
Roanoke Sound Channel, N. C.....	2447	St. Mary Harbour, Newfoundland.....	225
Roaring Point, Md.....	1999	St. Mary River, Nova Scotia.....	511
Robbinston, Maine.....	631	St. Marys, Ga.....	2827
Robinhood, Maine.....	823	St. Marys City, Md.....	2179
Rocas, Atol das, Brazil.....	3641	St. Marys Entrance, Ga.....	2821
Rock Islands, Fla.....	3131	St. Marys River, Ga. and Fla.....	2827,2829
Rock Point, Md.....	2193	St. Marys River, Md.....	2177,2179
Rockaway Inlet, N. Y.....	1477	St. Michaels, Md.....	2043
Rockland, Maine.....	773	St. Michaels, Miles River, Md.....	2053
Rockport, Mass.....	923	St. Nicholas Bay, Aruba.....	3541
Rockville, S. C.....	2623	St. Nicolas, Quebec.....	355
Rocky Hill, Conn.....	1211	St. Paul Island, Nova Scotia.....	439
Rocky Point, Md.....	2109	St. Peter Bay, Cape Breton Island.....	477
Romerly Marsh Creek, Ga.....	2723	St. Peters Bay, Prince Edward Island...	425
Roosevelt Inlet, Del.....	1807	St. Petersburg Beach Causeway, Fla.....	3097
Roosevelt Roads, P. R.....	3500	St. Petersburg, Fla. * (120).....	3087
Roque Island Harbor, Maine.....	663	St. Pierre Harbor.....	235
Roseau, Dominica.....	3523	St. Simons Light, Ga.....	2781
Rose Haven, Md.....	2144	St. Simons Sound, Ga.....	2779-2795
Rossville, N. Y.....	1597	St. Simons Sound Bar, Ga.....	2779
Round Key, Fla.....	3041	St. Thomas Island, Virgin Islands.....	3511,3513
Round Point, Tex.....	3283	Sakonnet, R. I.....	1147
Royal Bay, South Georgia Island.....	3853	Salem, Mass.....	931
Rye Beach, N. Y.....	1254	Salem, N. J.....	1831
S		Salinopolis, Brazil.....	3619
Sabine Bank Lighthouse, Tex.....	3271	Salisbury, Md.....	1997
Sabine Pass (jetty), Tex.....	3272	Salisbury, New Brunswick.....	591
Sabine Pass, Tex.....	3273	Salmon Falls River, N. H.....	907
Sable Island (north side), Nova Scotia.....	523	Salsbury Cove, Maine.....	709
Sable Island (south side), Nova Scotia.....	525	Salvador, Brazil.....	3659
Sachem Head, Conn.....	1220	San Carlos Bay, Fla.....	3052,3053
Safety Harbor, Fla.....	3091	San Juan, P. R. * (148).....	3505
Sag Harbor, N. Y.....	1389	San Juan del Norte, Nicaragua.....	3351
Sagua de Tanamo, Bahia de, Cuba.....	3415	San Luis Pass, Tex.....	3291
Saguenay River, Quebec.....	331,333	San Roman, Argentina.....	3775
Saint Andrew Bay, Fla.....	3155-3169	San Salvador, Bahamas.....	3385
St. Andrew Sound, Ga.....	2797-2819	Sanchez, Dominican Republic.....	3471
St. Andrews, New Brunswick.....	624	Sand Key Light, Fla.....	2999
Ste. Anne des Monts, Quebec.....	315	Sand Shoal Inlet, Va.....	1943
St. Anns Bay, Jamaica.....	3459	Sandy Hook, N. J. * (64).....	1625
St. Anns Harbour, Nova Scotia.....	467	Sandy Point, Md.....	2125
St. Augustin, Quebec.....	357	Santa Barbara de Samana, Dominican Rep.	3469
St. Augustine, Fla.....	2887	Santa Cruz Cabralia, Brazil.....	3671
St. Augustine Inlet, Fla.....	2885	Santa Cruz (Punta Quilla), Argentina...	3831
St. Barbe Bay, Newfoundland.....	271	Santa Domingo, Dominican Republic.....	3477
St. Barthelemy, Lesser Antilles.....	3517	Santa Elena, Puerto, Argentina.....	3803
St. Catherines Sound, Ga.....	Pages 224,225	Santa Marta, Colombia.....	3547
St. Clements Bay, Md.....	2187	Santa Rosa Sound, Fla.....	3175
		Santana, Recifes de, Brazil.....	3627
		Santos, Brazil * (176).....	3701

	NO.		NO.
Sao Francisco do Sul, Brazil.....	3707	Shelter Island Sound, N. Y.....	1381-1391
Sao Joao da Barra, Brazil.....	3683	Shelton, Conn.....	1233
Sao Luiz, Brazil.....	3625	Shinnecock Bay, N. Y.....	1411
Sao Sebastiao, Brazil.....	3699	Shinnecock Canal, N. Y.....	1397
Saona, Isla, Dominican Republic.....	3473	Shinnecock Inlet (bay), N. Y.....	1411
Sapelo Island, Ga.....	2763	Shinnecock Inlet (ocean), N. Y.....	1409
Sapelo River, Ga.....	2758, 2759	Ship Cove, Newfoundland.....	241
Sapelo Sound, Ga.....	Pages 224, 225	Ship Harbour, Nova Scotia.....	517
Sarasota, Fla.....	3072	Ship Island Pass, Miss.....	3207
Sasanoa River, Maine.....	823-827	Ship John Shoal Light, N. J.....	1801
Sassafras River, Md.....	2083, 2085	Ship Shoal Inlet, Va.....	1945
Satilla River, Ga.....	2809-2815	Ship Shoal Light, La.....	3257
Saugatuck River, Conn.....	1239	Shipping Point, Md.....	2187
Saunders Wharf, Va.....	2284	Shipyard Landing, Md.....	2065
Savannah, Ga. * (104).....	2713	Shipyard Creek, S. C.....	2579
Savannah River, Ga.....	2707-2717	Shooters Island, N. Y.....	1579
Savannah River entrance, Ga. * (100)...	2709	Shoppee Point, Maine.....	661
Sawpit Creek entrance, Fla.....	2849	Shrewsbury River, N. J.....	1627-1635
Saybrook Jetty, Conn.....	1200	Siasconset, Mass.....	1043
Saybrook Point, Conn.....	1201	Silver Eel Pond, Fishers Island, N. Y..	1192
Sayville (Brown Creek), N. Y.....	1433	Skull Creek (north entrance), S. C.....	2695
Scarborough, Tobago.....	3537	Skull Creek (south entrance), S. C.....	2697
Schooner Creek entrance, S. C.....	2529	Small Point Harbor, Maine.....	853
Schooner Harbour, Baffin Island.....	121	Smith Cove Entrance, Conn.....	1195
Schottegat, Curacao.....	3539	Smith Island, Va.....	1947
Schuylkill River, Pa.....	1863-1869	Smith Point, Mass.....	1057
Scituate, Mass.....	991	Smith Point Light, Va.....	2257
Scotia Bay, S. Orkney Islands.....	3857	Smithfield, Va.....	2381
Scotland, Va.....	2388	Smithtown Bay, N. Y.....	1355
Scull Landing, N. J.....	1719	Snow Hill (city park), Md.....	1976
Sea Bright (ocean), N. J.....	1637	Snow Point (north of), S. C.....	2587
Sea Bright, Shrewsbury River, N. J.....	1633	Soldier Key, Fla.....	2969
Sea Girt, N. J.....	1647	Solomons Island, Md.....	2155
Sea Isle City, N. J.....	1731	Solomons Lump Light, Md.....	1987
Sea Isle City (beach), N. J.....	1733	Sondre Stromfjord, Greenland.....	73, 74
S.C.L. RR. bridge, Kingsley Creek, Ga..	2837	Sonora, Nova Scotia.....	511
S.C.L. RR. bridge, Savannah River, Ga..	2717	Sops Island, Newfoundland.....	207
Seabrook, S. C.....	2651	Sorry Harbor.....	115
Seal Cove, New Brunswick.....	615	Souris Head, Prince Edward Island.....	429
Seaside Park, N. J.....	1655	South Amboy, N. J.....	1609
Seavey Island, Maine.....	899	South America.....	3542-3847
Sebastian Inlet, Fla.....	2902	South Atlantic Ocean Islands.....	3849-3859
Secaucus, N. J.....	1587	South Bay, Maine.....	757
Sedgwick, Maine.....	735	South Brunswick River, Ga.....	2795
Segunda Barranca, Argentina.....	3767	South Carolina.....	2507-2705
Seminole Shores, Fla.....	2912	South Dartmouth, Mass.....	1139
Sept Iles, Quebec.....	311	South Edisto River, S. C.....	2637-2645
Setauket Harbor, N. Y.....	1363	South Fork, St. Lucie River, Fla.....	2909
Seven Islands, N. J.....	1683	South Freeport, Maine.....	869
Sevenfoot Knoll Light, Md.....	2111	South Georgia Island.....	3853, 3855
Seyvern River, Md.....	2128-2130	South Harpswell, Maine.....	863
Seyvern River, Va.....	2307	South Jamesport, N. Y.....	1395
Sewall Point, Fla.....	2911	South Negril Point, Jamaica.....	3455
Sewee Bay, S. C.....	2561	South Newport River, Ga.....	2755
Shady Side, Md.....	2139	South Norwalk, Conn.....	1241
Shallotte Inlet, N. C.....	2503	South Orkney Islands.....	3857
Shark River entrance, Fla.....	3025	South Orrington, Maine.....	763
Shark River Inlet, N. J.....	1643	South Oyster Bay, N. Y.....	1447
Shark River Municipal Boat Basin, N. J.	1645	South Point, Marsh Island, La.....	3263
Sharkfin Shoal Light, Md.....	1991	South River Highway Bridge, N. J.....	1613
Sharps Island Light, Md.....	2021	South River, Md.....	2135, 2136
Sharptown, Md.....	2003	South Santee River, S. C.....	2544, 2545
Shediac Bay, New Brunswick.....	411	South Shetland Islands.....	3859, 3860
Sheep Island, Mass.....	973	South Yarmouth, Mass.....	1029
Sheepscot, Maine.....	819	Southeast Pass, Mississippi River, La..	3224
Sheepscot River, Maine.....	813-827	Southold, N. Y.....	1385
Sheet Harbour, Nova Scotia.....	515	Southport, Maine.....	811
Shelburne, Nova Scotia.....	543	Southport, N. C.....	2487
Shell Beach, Lake Borgne, La.....	3215	SW Fork, Loxahatchee River, Fla....	2923, 2926
Shell Island, La.....	3260	Southwest Harbor, Maine.....	713
Shell Point, Tampa Bay, Fla.....	3083	Southwest Pass, Mississippi River, La..	3227
Shell Point, N. C.....	3463	Southwest Pass, Vermilion Bay, La.....	3266
Shell Point, Peace River, Fla.....	3067	Southwest Point, Quebec.....	305
Shelton, Md.....	1973	Spencer Island, Nova Scotia.....	567

	NO.
Vermilion Bay, La.....	3266, 3267
Vernon View, Ga.....	2735
Vero Beach, Fla.....	2898
Vero Beach (ocean), Fla.....	2903
Victoria Bluff, S. C.....	2685
Vienna, Md.....	2001
Vieux Fort Bay, St. Lucia.....	3529
Vinalhaven, Maine.....	749
Vineyard Haven, Mass.....	1079
Vineyard Sound.....	1089-1103
Virgin Islands.....	3511-3515
Virginia.....	Pages 217-222
Virginia Beach, Va.....	2441
Vitoria, Brazil.....	3679

W

Wabasso, Fla.....	2897
Waccamaw River, S. C.....	2529-2539
Wachapreague Inlet, Va.....	1933
Wachesaw Landing, S. C.....	2531
Wakeham Bay, Hudson Strait.....	135
Wakema, Va.....	2333
Walburg Creek, Ga.....	2745
Waldoboro, Maine.....	799
Walkerton, Va.....	2335
Wallabout Bay, N. Y.....	1311
Wallops Island, Va.....	1929
Walls Cut, S. C.....	2705
Wando River, S. C.....	2595-2599
Wapitagan Harbour, Quebec.....	279
Wappoo Creek, S. C.....	2601
Wareham, Mass.....	1123
Wares Wharf, Va.....	2280
Waretown, N. J.....	1663
Warren, R. I.....	1165
Warrington, Fla.....	3179
Washington Canal, N. J.....	1611
Washington, D. C. * (84).....	2245
Washington National Airport.....	2243
Wasque Point, Mass.....	1061
Wassaw Sound, Ga.....	Page 224
Watch Hill Point, R. I.....	1185
Watts Cut entrance, S. C.....	2641
Watts Island, Va.....	1965
Wauwinet, Mass.....	1045
Wayman Wharf, Md.....	2035
Webeck Harbour, Labrador.....	163
Weehawken, N. J.....	1521
Weeks Bay, La.....	3267
Weir River, Mass.....	983
Welaka, Fla.....	2881
Welfare Island, N. Y.....	1293
Wellfleet, Mass.....	1001
Welshpool, New Brunswick.....	620
Weskeag River, Maine.....	777
West Bay Creek, Fla.....	2169
West Bay, Tex.....	3287, 3288
West Chop, Mass.....	1077
West Cote Blanche Bay, La.....	3265
West Falmouth Harbor, Mass.....	1111
West Fire Island, N. Y.....	1425
West Harbor, N. Y.....	1191
West Island, Mass.....	1131
West Palm Beach Canal, Fla.....	2933
West Point, N. Y.....	1543
West Point, Va.....	2331
West Quoddy Head, Maine.....	651
West River, Md.....	2139, 2141
West Wildwood, N. J.....	1749
Westbrook, Duck I. Roads, Conn.....	1214
Westchester, N. Y.....	1273
Westerly, Pawcatuck River, R. I.....	1186

	NO.
Westover, Va.....	2407
Westport, Nova Scotia.....	553
Westport Harbor, Mass.....	1143
Westport River, Mass.....	1143, 1145
Wetappo Creek, Fla.....	3165
Weymouth, Nova Scotia.....	557
Weymouth Back River Bridge.....	977
Weymouth Fore River Bridge.....	975
Wharf Creek, S. C.....	2559
White House, Va.....	2341
Whitehaven, Md.....	1995
Whitehaven Harbour, Nova Scotia.....	507
Whitestone, N. Y.....	1265
Whitewater Bay, Fla.....	3027
Wickford, R. I.....	1175
Wicomico Beach, Md.....	2196
Wicomico River, Md.....	1995, 1997
Wicomico River, Potomac River.....	2191-2196
Wild Cove, Newfoundland.....	205
Wildwood Beach, N. J.....	1745
Willcox Wharf, Va.....	2406
Willets Point, N. Y. * (52).....	1331
Williams Harbour, Labrador.....	150
Williamsburg Bridge, N. Y.....	1309
Wilmington Beach, N. C.....	2479
Wilmington, Del.....	1849
Wilmington, N. C. * (92).....	2493
Wilmington River, Ga.....	2725-2729
Wilson Cove, Maine.....	865
Wilsons Beach, New Brunswick.....	621
Windmill Point, James River, Va.....	2405
Windmill Point, Rappahannock River, Va.....	2270
Windmill Point Lighthouse, Va.....	2267
Windsor, Nova Scotia.....	573
Wine Island, La.....	3251
Winter Harbor, Maine.....	701
Winter Harbour, Melville Island.....	5
Winter Island, Fox Channel.....	123
Winyah Bay, S. C.....	2517-2539
Winyah Bay Entrance, S. C.....	2517
Wiscasset, Maine.....	817
Wishart Point, Va.....	1918
Withlacoochee River entrance, Fla.....	3117
Wolcott Avenue, N. Y.....	1285
Wolf Island, Ga.....	2771
Wolf Trap Light, Va.....	2297
Wood Island Harbor, Maine.....	883
Woodland Beach, Del.....	1821
Woodmere, N. Y.....	1471
Woods Hole, Mass.....	1091-1095
Woodville, S. C.....	2599
Woody Island, Newfoundland.....	229
Woolford, Md.....	2015
Worton Creek, Md.....	2081
Wright Island Landing, Va.....	2395
Wychmere Harbor, Mass.....	1025
Wye Landing, Md.....	2055

Y

Yamato, Fla.....	2938
Yarmouth Harbour, Nova Scotia.....	551
Yaupon Beach, N. C.....	2500
Yeamans Hall, S. C.....	2585
Yeocomico River, Va.....	2173, 2175
Yonges Island, S. C.....	2631
Yonkers, N. Y.....	1531
York Harbor, Maine.....	889
York Point, Va.....	2345
York River, Va.....	2311-2343
York Spit Light, Va.....	2309
Yorktown, Va.....	2319