

TABLE 3.—HEIGHT OF TIDE AT ANY TIME

EXPLANATION OF TABLE

Although the footnote of table 3 may be sufficient explanation, two examples are given here to illustrate its use.

Example 1.—Find the height of the tide at 0755 at New York (The Battery), N.Y., on a day when the predicted tides from table 1 are given as:

Low Water		High Water	
Time	Height	Time	Height
h.m.	ft	h.m.	ft
0522	0.1	1114	4.2
1741	0.6	2310	4.1

An inspection of the above example shows that the desired time falls between the two morning tides.

The duration of rise is $11^h 14^m - 5^h 22^m = 5^h 52^m$.

The time after low water for which the height is required is $7^h 55^m - 5^h 22^m = 2^h 33^m$.

The range of tide is $4.2 - 0.1 = 4.1$ feet.

The duration of rise or fall in table 3 is given in heavy-faced type for each 20 minutes from $4^h 00^m$ to $10^h 40^m$. The nearest tabular value to $5^h 52^m$, the above duration of rise, is $6^h 00^m$; and on the horizontal line of $6^h 00^m$ the nearest tabular time to $2^h 33^m$ after low water for which the height is required is $2^h 36^m$. Following down the column in which this $2^h 36^m$ is found to its intersection with the line of the range 4.0 feet (which is the nearest tabular value to the above range of 4.1 feet) the correction is found to be 1.6 feet, which being reckoned from low water must be added, making $0.1 + 1.6 = 1.7$ feet, or 0.5 meter which is the required height above mean low water, the datum for New York.

Example 2.—Find the height of the tide at 0300 at Portland, Maine, on a day when the predicted tides from table 1 are given as:

High Water		Low Water	
Time	Height	Time	Height
h.m.	ft	h.m.	ft
0012	11.3	0638	-2.0
1251	10.0	1853	-0.8

The duration of fall is $6^h 38^m - 00^h 12^m = 6^h 26^m$.

The time after high water for which the height is required is $3^h 00^m - 00^h 12^m = 2^h 48^m$.

The range of tide is $11.3 - (-2.0) = 13.3$ feet.

Entering table 3 at the duration of fall of $6^h 20^m$, which is the nearest value to $6^h 26^m$, the nearest value on the horizontal line to $2^h 48^m$ is $2^h 45^m$ after high water. Following down this column to its intersection with a range of 13.5 feet which is the nearest tabular value to 13.3 feet, one obtains 5.3 which, being calculated from high water, must be subtracted from it. The approximate height at $03^h 00^m$ is, therefore, $11.3 - 5.3 = 6.0$ feet or 1.8 meters.

When the duration of rise or fall is greater than $10^h 40^m$, enter the table with one-half the given duration and with one-half the time from the nearest high or low water; but if the duration of rise or fall is less than 4 hours, enter the table with double the given duration and with double the time from the nearest high or low water.

Times and Heights of High and Low Waters

APRIL												MAY										JUNE													
Time				Time				Time				Time				Time				Time				Time				Time				Time			
Height				Height				Height				Height				Height				Height				Height				Height				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	0415	1.0	0.3		16	0350	1.0	0.3		1	0425	1.4	0.4		16	0405	1.1	0.3		1	0525	2.2	0.7		16	0005	7.3	2.2							
F	1045	6.6	2.0		Sa	1010	6.7	2.0		Su	1110	5.9	1.8		M	1045	6.2	1.9		W	1210	5.4	1.6		Th	0520	1.5	0.5							
	1600	1.3	0.4			1545	0.8	0.2			1620	1.7	0.5			1615	0.9	0.3			1730	2.3	0.7			1230	6.0	1.8							
	2315	7.0	2.1			2240	7.5	2.3			2325	6.7	2.0			2315	7.4	2.3								1745	1.4	0.4							
2	0450	1.4	0.4		17	0420	1.2	0.4		2	0500	2.0	0.6		17	0445	1.4	0.4		2	0020	6.2	1.9		17	0100	6.8	2.0							
Sa	1130	6.1	1.9		Su	1055	6.3	1.9		M	1145	5.5	1.7		Tu	1140	5.9	1.8		Th	0605	2.5	0.8		F	0520	1.9	0.6							
	1655	1.7	0.5			1620	1.0	0.3			1655	2.2	0.7			1650	1.2	0.4			1250	5.3	1.6			1340	5.9	1.8							
						2325	7.3	2.2													1805	2.7	0.8			1845	1.8	0.5							
3	0010	6.7	2.0		18	0455	1.4	0.4		3	0025	6.4	2.0		18	0015	7.1	2.2		3	0115	5.9	1.8		18	0200	6.4	2.0							
Su	0525	1.9	0.6		M	1150	5.9	1.8		Tu	0545	2.5	0.8		W	0520	1.8	0.5		F	0700	2.8	0.9		Sa	0720	2.2	0.7							
	1220	5.6	1.7			1710	1.3	0.4			1250	5.2	1.6			1255	5.7	1.7			1350	5.3	1.6			1450	6.0	1.8							
	1725	2.2	0.7								1730	2.7	0.8			1750	1.7	0.5			1910	2.9	0.9			2020	2.0	0.6							
4	0100	6.3	1.9		19	0015	7.0	2.1		4	0130	6.1	1.9		19	0130	6.8	2.1		4	0200	5.7	1.7		19	0305	6.1	1.9							
M	0615	2.6	0.8		Tu	0540	1.9	0.6		W	0630	3.0	0.9		Th	0520	2.2	0.7		Sa	0835	2.9	0.9		Su	0945	2.3	0.7							
	1335	5.3	1.6			1250	5.6	1.7			1355	5.1	1.6			1400	5.7	1.7			1445	5.4	1.6			1555	6.1	1.9							
	1805	2.8	0.9			1755	1.8	0.5			1820	3.1	0.9			1905	2.2	0.7			2050	2.9	0.9			2205	2.0	0.6							
5	0200	6.0	1.8		20	0115	6.7	2.0		5	0230	5.9	1.8		20	0220	6.5	2.0		5	0310	5.5	1.7		20	0425	5.9	1.8							
Tu	0715	3.2	1.0		W	0630	2.4	0.7		Th	0905	3.1	0.9		F	0945	2.2	0.7		Su	0950	2.7	0.8		M	1035	2.2	0.7							
	1445	5.2	1.6			1420	5.5	1.7			1450	5.2	1.6			1510	5.8	1.8			1550	5.6	1.7			1655	6.3	1.9							
	1910	3.3	1.0			1900	2.4	0.7			2105	3.3	1.0			2140	2.2	0.7			2200	2.7	0.8			2300	1.9	0.6							
6	0305	5.9	1.8		21	0230	6.5	2.0		6	0315	5.8	1.8		21	0335	6.3	1.9		6	0430	5.6	1.7		21	0525	5.8	1.8							
W	0945	3.2	1.0		Th	1000	2.5	0.8		F	1000	2.9	0.9		Sa	1035	2.0	0.6		M	1035	2.4	0.7		Tu	1110	2.0	0.6							
	1545	5.2	1.6			1540	5.7	1.7			1600	5.4	1.6			1620	6.1	1.9			1645	6.0	1.8			1740	6.5	2.0							
	2150	3.4	1.0			2130	2.5	0.8			2210	3.1	0.9			2245	1.9	0.6			2300	2.3	0.7			2355	1.8	0.5							
7	0410	5.9	1.8		22	0345	6.5	2.0		7	0420	5.8	1.8		22	0445	6.2	1.9		7	0525	5.8	1.8		22	0605	5.8	1.8							
Th	1055	3.1	0.9		F	1100	2.2	0.7		Sa	1050	2.7	0.8		Su	1115	1.9	0.6		Tu	1110	2.0	0.6		W	1145	1.9	0.6							
	1635	5.4	1.6			1640	6.1	1.9			1645	5.7	1.7			1730	6.5	2.0			1740	6.5	2.0			1830	6.7	2.0							
	2250	3.2	1.0			2300	2.1	0.6			2310	2.7	0.8			2340	1.6	0.5			2350	1.9	0.6												
8	0500	6.0	1.8		23	0500	6.6	2.0		8	0520	5.9	1.8		23	0545	6.4	2.0		8	0610	6.1	1.9		23	0025	1.7	0.5							
F	1125	2.9	0.9		Sa	1145	1.8	0.5		Su	1140	2.4	0.7		M	1150	1.6	0.5		W	1155	1.6	0.5		Th	0650	5.9	1.8							
	1730	5.7	1.7			1745	6.5	2.0			1735	6.1	1.9			1815	6.9	2.1			1825	7.0	2.1			1215	1.8	0.5							
	2335	2.8	0.9			2345	1.7	0.5			2345	2.3	0.7												1915	6.9	2.1								
9	0600	6.3	1.9		24	0615	6.8	2.1		9	0600	6.2	1.9		24	0030	1.3	0.4		9	0030	1.6	0.5		24	0110	1.6	0.5							
Sa	1200	2.5	0.8		Su	1220	1.5	0.5		M	1205	2.0	0.6		Tu	0550	6.5	2.0		Th	0700	6.4	2.0		F	0730	6.0	1.8							
	1800	6.2	1.9			1840	7.0	2.1			1820	6.6	2.0			1225	1.5	0.5			1225	1.2	0.4			1255	1.6	0.5							
															1905	7.2	2.2			1910	7.4	2.3			1950	7.0	2.1								
10	0015	2.4	0.7		25	0040	1.3	0.4		10	0030	1.8	0.5		25	0105	1.1	0.3		10	0110	1.3	0.4		25	0150	1.6	0.5							
Su	0645	6.6	2.0		M	0705	7.1	2.2		Tu	0645	6.5	2.0		W	0725	6.5	2.0		F	0735	6.5	2.0		Sa	0815	6.0	1.8							
	1245	2.2	0.7			1255	1.3	0.4			1245	1.7	0.5			1300	1.4	0.4			1315	0.9	0.3			1335	1.6	0.5							
	1855	6.6	2.0			1925	7.4	2.3			1855	7.0	2.1			1940	7.4	2.3			1945	7.7	2.3			2035	7.1	2.1							
11	0055	2.0	0.6		26	0120	0.9	0.3		11	0115	1.4	0.4		26	0145	1.0	0.3		11	0150	1.1	0.3		26	0225	1.6	0.5							
M	0715	7.0	2.1		Tu	0750	7.2	2.2		W	0730	6.7	2.0		Th	0810	6.5	2.0		Sa	0810	6.6	2.0		Su	0840	6.0	1.8							
	1315	1.8	0.5			1330	1.1	0.3			1315	1.3	0.4			1340	1.3	0.4			1355	0.7	0.2			1425	1.5	0.4							
	1920	7.0	2.1			2000	7.6	2.3			1930	7.4	2.3			2025	7.4	2.3			2030	7.9	2.4			2110	7.1	2.1							
12	0130	1.5	0.5		27	0205	0.7	0.2		12	0155	1.1	0.3		27	0225	1.0	0.3		12	0240	0.9	0.3		27	0300	1.5	0.4							
Tu	0755	7.1	2.2		W	0835	7.1	2.2		Th	0810	6.9	2.1		F	0835	6.4	2.0		Su	0900	6.6	2.0		M	0920	6.0	1.8							
	1355	1.4	0.4			1405	1.0	0.3			1350	1.0	0.3			1400	1.2	0.4			1435	0.6	0.2			1505	1.6	0.5							
	2000	7.3	2.2			2050	7.6	2.3			2015	7.7	2.3			2055	7.4	2.3			2120	7.9	2.4			2155	7.1	2.1							
13	0205	1.2	0.4		28	0230	0.7	0.2		13	0230	1.0	0.3		28	0250	1.1	0.3		13	0320	0.9	0.3		28	0350	1.6	0.5							
W	0830	7.2	2.2		Th																														

Times and Heights of High and Low Waters

SEPTMBER

[illegible]

are referred to the Canadian chart datum of soundings. Subtract 1.7 feet (0.5 meter) to refer these levels to N.O.S. charts.

OCTOBER

NOVEMBER

DECEMBER

Time meridian 52° 30' W. 0000 is midnight, 1200 is noon.
Heights are referred to the Canadian chart datum of soundings. Subtract 1.7 feet (0.5 meter) to refer these levels to the datum of N.O.S. charts.

Times and Heights of High and Low Waters

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

APRIL

MAY

JUNE

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	0020	5.8	1.8		16	0520	2.7	0.8		1	0055	5.2	1.6		16	0035	5.3	1.6		1	0215	4.8	1.5		16	0235	5.2	1.6			
F	0605	2.5	0.8		Sa	1120	5.8	1.8		Su	0600	3.3	1.0		M	0530	3.2	1.0		W	0555	3.6	1.1		Th	0705	3.4	1.0			
	1200	5.6	1.7			1755	1.1	0.3			1150	5.5	1.7			1135	6.0	1.8			1230	5.3	1.6			1305	5.8	1.8			
	1815	1.2	0.4								1830	1.1	0.3			1820	0.5	0.2			1930	1.6	0.5			2000	0.6	0.2			
2	0110	5.5	1.7		17	0045	5.3	1.6		2	0145	4.9	1.5		17	0130	5.1	1.6		2	0300	4.7	1.4		17	0330	5.1	1.6			
Sa	0530	2.9	0.9		Su	0555	3.0	0.9		M	0635	3.5	1.1		Tu	0620	3.5	1.1		Th	0735	3.7	1.1		F	0810	3.3	1.0			
	1230	5.5	1.7			1150	5.8	1.8			1220	5.4	1.6			1200	5.9	1.8			1320	5.1	1.6			1405	5.6	1.7			
	1900	1.3	0.4			1840	1.0	0.3			1920	1.4	0.4			1920	0.5	0.2			2025	1.8	0.5			2100	1.0	0.3			
3	0215	5.2	1.6		18	0130	5.1	1.6		3	0245	4.7	1.4		18	0255	5.0	1.5		3	0340	4.7	1.4		18	0425	5.1	1.6			
Su	0715	3.3	1.0		M	0635	3.3	1.0		Tu	0700	3.7	1.1		W	0700	3.6	1.1		F	0825	3.6	1.1		Sa	0920	3.1	0.9			
	1300	5.4	1.6			1240	5.8	1.8			1250	5.3	1.6			1255	5.8	1.8			1405	4.8	1.5			1535	5.2	1.8			
	1950	1.6	0.5			1930	1.0	0.3			2000	1.6	0.5			2015	0.7	0.2			2110	2.1	0.6			2205	1.6	0.5			
4	0310	4.9	1.5		19	0255	4.9	1.5		4	0345	4.6	1.4		19	0400	4.9	1.5		4	0425	4.8	1.5		19	0500	5.1	1.6			
M	0745	3.6	1.1		Tu	0725	3.6	1.1		W	0755	3.8	1.2		Th	0800	3.7	1.1		Sa	0945	3.5	1.1		Su	1055	2.7	0.9			
	1330	5.2	1.6			1305	5.7	1.7			1340	5.1	1.6			1355	5.6	1.7			1520	4.6	1.4			1700	5.0	1.7			
	2045	1.8	0.5			2020	1.1	0.3			2100	1.9	0.6			2125	1.0	0.3			2145	2.4	0.7			2310	2.1	0.5			
5	0415	4.6	1.4		20	0410	4.8	1.5		5	0440	4.5	1.4		20	0505	4.9	1.5		5	0510	5.0	1.5		20	0600	5.2	1.7			
Tu	0825	3.8	1.2		W	0810	3.8	1.2		Th	0845	3.9	1.2		F	0915	3.7	1.1		Su	1100	3.2	1.0		M	1200	2.2	0.8			
	1420	5.1	1.6			1405	5.6	1.7			1440	4.9	1.5			1520	5.3	1.6			1635	4.4	1.3			1825	4.9	1.7			
	2145	2.1	0.6			2145	1.2	0.4			2155	2.2	0.7			2235	1.3	0.4			2240	2.6	0.8								
6	0530	4.5	1.4		21	0535	4.7	1.4		6	0540	4.6	1.4		21	0550	4.9	1.5		6	0545	5.2	1.6		21	0010	2.5	0.8			
W	0920	4.0	1.2		Th	0925	3.9	1.2		F	1015	3.8	1.2		Sa	1055	3.4	1.0		M	1210	2.8	0.9		Tu	0635	5.3	1.7			
	1515	5.0	1.5			1510	5.4	1.6			1545	4.7	1.4			1650	5.1	1.6			1805	4.4	1.3			1300	1.7	0.7			
	2300	2.2	0.7			2300	1.3	0.4			2305	2.4	0.7			2345	1.6	0.5			2330	2.7	0.8			1935	5.0	1.7			
7	0630	4.5	1.4		22	0640	4.8	1.5		7	0610	4.7	1.4		22	0640	5.0	1.5		7	0620	5.4	1.6		22	0115	2.8	0.9			
Th	1110	4.0	1.2		F	1100	3.8	1.2		Sa	1150	3.5	1.1		Su	1220	2.8	0.9		Tu	1305	2.4	0.7		W	0710	5.4	1.7			
	1640	4.9	1.5			1655	5.3	1.6			1720	4.6	1.4			1840	5.1	1.6			1905	4.5	1.4			1350	1.4	0.5			
											2355	2.5	0.8												2040	5.0	1.7				
8	0015	2.3	0.7		23	0010	1.4	0.4		8	0655	5.0	1.5		23	0050	1.9	0.6		8	0030	2.8	0.9		23	0150	3.0	0.9			
F	0720	4.6	1.4		Sa	0715	4.9	1.5		Su	1250	3.1	0.9		M	0720	5.2	1.6		W	0705	5.6	1.7		Th	0745	5.5	1.7			
	1240	3.7	1.1			1235	3.4	1.0			1840	4.6	1.4			1320	2.2	0.7			1350	1.9	0.6			1440	1.1	0.4			
	1810	4.9	1.5			1830	5.3	1.6							1945	5.2	1.6			2005	4.7	1.4			2135	5.0	1.7				
9	0100	2.3	0.7		24	0110	1.5	0.5		9	0050	2.5	0.8		24	0135	2.3	0.7		9	0120	2.8	0.9		24	0240	3.2	1.0			
Sa	0745	4.8	1.5		Su	0805	5.1	1.6		M	0715	5.2	1.6		Tu	0750	5.3	1.6		Th	0745	5.8	1.8		F	0835	5.6	1.8			
	1340	3.4	1.0			1340	2.8	0.9			1345	2.7	0.8			1405	1.7	0.5			1430	1.5	0.5			1515	1.0	0.4			
	1915	4.9	1.5			1950	5.5	1.7			1945	4.7	1.4			2045	5.2	1.6			2105	4.9	1.5			2220	5.0	1.7			
10	0155	2.3	0.7		25	0210	1.6	0.5		10	0130	2.6	0.8		25	0225	2.5	0.8		10	0210	2.9	0.9		25	0325	3.3	1.1			
Su	0815	5.1	1.6		M	0835	5.3	1.6		Tu	0750	5.5	1.7		W	0840	5.5	1.7		F	0820	5.9	1.8		Sa	0910	5.6	1.8			
	1410	3.0	0.9			1415	2.1	0.6			1425	2.2	0.7			1455	1.3	0.4			1505	1.0	0.3			1610	0.9	0.4			
	2010	5.1	1.6			2055	5.6	1.7			2030	4.8	1.5			2135	5.2	1.6			2155	5.1	1.6			2305	5.0	1.7			
11	0220	2.3	0.7		26	0245	1.8	0.5		11	0200	2.5	0.8		26	0305	2.8	0.9		11	0305	2.9	0.9		26	0400	3.3	1.1			
M	0845	5.3	1.6		Tu	0905	5.4	1.6		W	0830	2.7	1.7		Th	0905	5.6	1.7		Sa	0905	6.0	1.8		Su	1000	5.6	1.8			
	1445	2.5	0.8			1505	1.6	0.5			1455	1.8	0.5			1535	1.0	0.3			1550	0.6	0.2			1650	1.0	0.4			
	2100	5.2	1.6			2145	5.7	1.7			2125	5.0	1.5			2225	5.2	1.6			2255	5.3	1.6			2355	5.0	1.7			
12	0255	2.3	0.7		27	0335	2.1	0.6		12	0255	2.6	0.8		27	0345	3.0	0.9		12	0400	3.0	0.9		27	0440	3.4	1.1			
Tu	0915	5.6	1.7		W	0945	5.6	1.7		Th	0910	5.9	1.8		F	0940	5.7	1.7		Su	0950	6.1	1.9		M	1040	5.6	1.8			
	1530	2.2	0.7			1550	1.2	0.4			1540	1.4	0.4			1620	0.9	0.3			1640	0.3	0.1			1730	1.1	0.4			
	2150	5.3	1.6			2230	5.6	1.7			2200	5.2	1.6			2315	5.2	1.6			2340	5.3	1.6								
13	0340	2.3	0.7		28	0405	2.4	0.7		13	0330	2.6	0.8		28	0420	3.1	0.9		13	0435	3.2	1.0		28	0020	5.0	1.7			
W	0945	5.8	1.8		Th	1010	5.7	1.7		F	0940	6.0	1.8		Sa	1005	5.7	1.7		M	1030	6.2	1.9		Tu	0520	3.4	1.1			
	1610	1.8	0.5			1630	0.9	0.3			1610	1.0	0.3			1700	0.9	0.3			1725	0.2	0.1			1115	5.5	1.7			
	2225	5.4	1.6			2315	5.5	1.7			2250	5.3	1.6												1805	1.2	0.4				
14	0400	2.4	0.7		29	0455	2.7	0.8		14	0405	2.8	0.9		29	0000	5.1	1.6		14	0030	5.3	1.6		29	0110	5.0	1.7			
Th	1020	5.8	1.8		F	1050	5.7	1.7		Sa	1015	6.0	1.8		Su	0450	3.3	1.0		Tu	0520	3.3	1.0		W	0555	3.4	1.1			
	1635	1.6	0.5			1720	0.9	0.3			1650	0.7	0.2			1050	5.6	1.7			1120	6.2	1.9			1150	5.4	1.7			
	2305	5.4	1.6								2350	5.3	1.6			1730	1.0	0.3			1820	0.1	0.0			1835	1.4	0.5			
15	0445	2.5	0.8		30	0005	5.4	1.6		15	0445	2.9	0.9		30	0030	5.0	1.5		15	0140	5.3	1.6		30	0145	5.0	1.7			
F	1045	5.9	1.8		Sa	0515	3.0	0.9		Su	1055	6.0	1.8		M	0530	3.4	1.0		W	0610	3.4	1.0		Th	0545	3.4	1.1			
	1715	1.3	0.4			1115	5.6	1.7			1735	0.5	0.2			1120	5.5	1.7			1210	6.1	1.9			1225					

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

OCTOBER				NOVEMBER				DECEMBER			
Time		Height		Time		Height		Time		Height	
Day	h m	ft	m	Day	h m	ft	m	Day	h m	ft	m
1	0250	5.6	1.7	16	0420	5.0	1.5	1	0050	2.6	0.8
Sa	1035	1.6	0.5	Su	1150	2.4	0.7	Th	0705	5.4	1.6
	1820	4.7	1.4		1900	4.8	1.5		1255	2.7	0.8
	2205	4.1	1.2						1930	5.8	1.8
2	0405	5.5	1.7	17	0025	3.8	1.2	2	0145	1.9	0.6
Su	1155	1.5	0.5	M	0600	4.9	1.5	F	0820	5.5	1.7
	1920	4.8	1.5		1300	2.5	0.8		1355	3.0	0.9
	2350	3.9	1.2		1940	4.9	1.5		1955	6.0	1.8
3	0540	5.6	1.7	18	0115	3.5	1.1	3	0235	1.5	0.5
M	1310	1.4	0.4	Tu	0705	5.0	1.5	Sa	0920	5.6	1.7
	2010	5.1	1.6		1330	2.6	0.8		1430	3.2	1.0
					2005	5.2	1.6		2035	6.1	1.9
4	0100	3.5	1.1	19	0200	3.1	0.9	4	0320	1.1	0.3
Tu	0700	5.7	1.7	W	0805	5.1	1.6	Su	1010	5.6	1.7
	1400	1.3	0.4		1405	2.7	0.8		1520	3.4	1.0
	2100	5.3	1.6		2035	5.4	1.6		2110	6.2	1.9
5	0200	2.9	0.9	20	0240	2.6	0.8	5	0405	1.0	0.3
W	0820	5.9	1.8	Th	0845	5.3	1.6	M	1110	5.6	1.7
	1455	1.4	0.4		1445	2.7	0.8		1600	3.6	1.1
	2120	5.5	1.7		2100	5.7	1.7		2200	6.2	1.9
6	0300	2.3	0.7	21	0315	2.3	0.7	6	0445	1.0	0.3
Th	0930	6.1	1.9	F	0930	5.4	1.6	Tu	1145	5.5	1.7
	1540	1.5	0.5		1515	2.8	0.9		1640	3.7	1.1
	2155	5.7	1.7		2135	5.8	1.8		2230	6.2	1.9
7	0350	1.8	0.5	22	0355	1.9	0.6	7	0520	1.1	0.3
F	1015	6.2	1.9	Sa	1020	5.5	1.7	W	1235	5.5	1.7
	1615	1.5	0.5		1555	2.8	0.9		1725	3.8	1.2
	2235	5.8	1.8		2155	6.0	1.8		2305	6.1	1.9
8	0435	1.4	0.4	23	0415	1.7	0.5	8	0600	1.2	0.4
Sa	1105	6.1	1.9	Su	1100	5.5	1.7	Th	1315	5.4	1.6
	1655	2.2	0.7		1615	2.9	0.9		1800	4.0	1.2
	2305	5.9	1.8		2240	6.0	1.8		2345	5.9	1.8
9	0515	1.1	0.3	24	0500	1.5	0.5	9	0650	1.5	0.5
Su	1205	6.0	1.8	M	1140	5.5	1.7	F	1400	5.3	1.6
	1745	2.6	0.8		1655	3.1	0.9		1840	4.1	1.2
	2330	5.9	1.8		2255	6.0	1.8				
10	0600	1.1	0.3	25	0530	1.3	0.4	10	0030	5.7	1.7
M	1250	5.7	1.7	Tu	1220	5.5	1.7	Sa	0720	1.8	0.5
	1815	3.0	0.9		1730	3.3	1.0		1445	5.3	1.6
					2340	6.0	1.8		1925	4.1	1.2
11	0000	5.8	1.8	26	0615	1.2	0.4	11	0110	5.5	1.7
Tu	0650	1.2	0.4	W	1325	5.4	1.6	Su	0800	2.1	0.6
	1350	5.4	1.6		1810	3.6	1.1		1535	5.3	1.6
	1850	3.3	1.0						2020	4.0	1.2
12	0045	5.6	1.7	27	0000	5.9	1.8	12	0155	5.2	1.6
W	0735	1.4	0.4	Th	0705	1.2	0.4	M	0850	2.5	0.8
	1445	5.1	1.6		1425	5.2	1.6		1600	5.3	1.6
	1930	3.7	1.1		1850	3.8	1.2		2130	3.9	1.2
13	0125	5.5	1.7	28	0040	5.9	1.8	13	0305	4.9	1.5
Th	0820	1.7	0.5	F	0755	1.2	0.4	Tu	0925	2.8	0.9
	1550	4.8	1.5		1535	5.0	1.5		1645	5.5	1.7
	2015	3.9	1.2		1945	4.1	1.2		2300	3.6	1.1
14	0205	5.3	1.6	29	0130	5.8	1.8	14	0420	4.7	1.4
F	0925	2.1	0.6	Sa	0900	1.4	0.4	W	1015	3.1	0.9
	1700	4.7	1.4		1650	5.0	1.5		1720	5.6	1.7
	2110	4.1	1.2		2045	4.2	1.3				
15	0255	5.1	1.6	30	0230	5.7	1.7	15	0005	3.2	1.0
Sa	1045	2.3	0.7	Su	1010	1.5	0.5	Th	0600	4.6	1.4
	1810	4.7	1.4		1755	5.1	1.6		1110	3.3	1.0
	2255	4.1	1.2		2205	4.1	1.2		1750	5.8	1.8
				31	0350	5.5	1.7				
				M	1125	1.7	0.5				
					1855	5.2	1.6				
					2355	3.7	1.1				

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

HARRINGTON HARBOUR, QUEBEC, 1983

Times and Heights of High and Low Waters

JANUARY

FEBRUARY

MARCH

JANUARY				FEBRUARY				MARCH			
Time	Height			Time	Height			Time	Height		
Day	h	m	ft	Day	h	m	ft	Day	h	m	ft
1 0525	0.0	0.0		16 0535	1.2	0.4		1 0600	0.3	0.1	
Sa 1225	7.3	2.2		Su 1225	6.3	1.9		Tu 1220	6.4	2.0	
1845	1.5	0.5		1855	2.1	0.6		1830	0.8	0.2	
2 0010	5.1	1.6		17 0010	4.9	1.5		2 0035	5.9	1.8	
Su 0615	0.3	0.1		M 0610	1.3	0.4		W 0650	0.6	0.2	
1300	7.1	2.2		1300	6.1	1.9		1310	6.0	1.8	
1935	1.6	0.5		1925	2.1	0.6		1915	1.0	0.3	
3 0055	5.0	1.5		18 0055	4.9	1.5		3 0115	5.8	1.8	
M 0715	0.7	0.2		Tu 0655	1.5	0.5		Th 0740	1.0	0.3	
1400	6.7	2.0		1335	5.8	1.8		F 0800	1.7	0.5	
2020	1.8	0.5		1950	2.2	0.7		1410	5.0	1.5	
4 0150	4.9	1.5		19 0130	4.9	1.5		2020	1.5	0.5	
Tu 0810	1.1	0.3		W 0735	1.7	0.5		19 0240	5.1	1.6	
1450	6.2	1.9		1405	5.5	1.7		Sa 0845	2.0	0.6	
2120	1.9	0.6		2035	2.2	0.7		1445	4.7	1.4	
5 0255	4.9	1.5		20 0220	4.8	1.5		2110	1.5	0.5	
W 0910	1.6	0.5		Th 0825	2.0	0.6		20 0350	5.0	1.5	
1550	5.7	1.7		1455	5.3	1.6		Su 1000	2.4	0.7	
2210	2.0	0.6		2110	2.1	0.6		1540	4.4	1.3	
6 0410	4.9	1.5		21 0310	4.6	1.5		2205	1.4	0.4	
Th 1025	2.1	0.6		F 0920	2.3	0.7		20 0510	5.1	1.6	
1650	5.3	1.6		1535	5.0	1.5		M 1125	2.5	0.8	
2305	2.1	0.6		2205	2.0	0.6		1640	4.2	1.3	
7 0535	5.0	1.5		22 0415	4.8	1.5		2320	1.4	0.4	
F 1155	2.4	0.7		Sa 1030	2.5	0.8		21 0510	5.1	1.6	
1750	4.9	1.5		1620	4.7	1.4		M 1210	2.9	0.9	
				2255	1.8	0.5		1715	3.7	1.1	
8 0000	2.1	0.6		23 0540	5.0	1.5		2340	2.2	0.7	
Sa 0645	5.3	1.6		Su 1155	2.6	0.8		8 0705	4.9	1.5	
1300	2.6	0.8		1725	4.6	1.4		Tu 1345	2.9	0.9	
1850	4.6	1.4						1900	3.7	1.1	
9 0110	2.0	0.6		24 0000	1.5	0.5		8 0735	5.6	1.7	
Su 0800	5.5	1.7		M 0700	5.4	1.6		1400	2.3	0.7	
1425	2.6	0.8		1300	2.5	0.8		1920	4.3	1.3	
1955	4.5	1.4		1830	4.5	1.4		24 0140	1.0	0.3	
10 0155	1.8	0.5		25 0105	1.2	0.4		Th 0840	6.1	1.9	
M 0850	5.8	1.8		Tu 0805	5.9	1.8		1510	1.9	0.6	
1520	2.6	0.8		1415	2.3	0.7		2040	4.6	1.4	
2035	4.5	1.4		1940	4.6	1.4		25 0245	0.7	0.2	
11 0245	1.7	0.5		26 0200	0.8	0.2		F 0935	6.4	2.0	
Tu 0935	6.1	1.9		W 0855	6.4	2.0		1550	1.5	0.5	
1605	2.5	0.8		1515	2.0	0.6		2130	5.0	1.5	
2120	4.5	1.4		2040	4.8	1.5		26 0330	0.3	0.1	
12 0320	1.5	0.5		27 0250	0.4	0.1		Sa 1025	6.7	2.0	
W 1020	6.3	1.9		Th 0955	5.8	2.1		1635	1.2	0.4	
1635	2.4	0.7		1600	1.7	0.5		2225	5.4	1.6	
2150	4.6	1.4		2140	5.0	1.5		27 0425	0.2	0.1	
13 0400	1.3	0.4		28 0345	0.2	0.1		Su 1105	6.8	2.1	
Th 1045	6.4	2.0		F 1040	7.1	2.2		1725	0.9	0.3	
1715	2.3	0.7		1655	1.4	0.4		2310	5.7	1.7	
2230	4.8	1.5		2220	5.2	1.6		28 0510	0.1	0.0	
14 0440	1.2	0.4		29 0435	0.0	0.0		M 1145	6.7	2.0	
F 1115	6.4	2.0		Sa 1125	7.3	2.2		1800	0.8	0.2	
1750	2.2	0.7		1740	1.2	0.4		2355	5.9	1.8	
2310	4.9	1.5		2310	5.3	1.6		14 0430	1.0	0.3	
15 0510	1.1	0.3		30 0525	0.0	0.0		M 1100	5.9	1.8	
Sa 1150	6.4	2.0		Su 1210	7.2	2.2		1710	1.4	0.4	
1820	2.2	0.7		1820	1.1	0.3		2310	5.5	1.7	
2335	4.9	1.5						15 0500	0.9	0.3	
								Tu 1125	5.8	1.8	
								1735	1.2	0.4	
								2330	5.7	1.7	
								15 0550	0.5	0.2	
								W 1150	5.7	1.7	
								1805	0.7	0.2	
								31 0010	6.2	1.9	
								Th 0630	0.8	0.2	
								1230	5.3	1.6	
								1830	0.8	0.2	

Time meridian 60° W. 0000 is midnight. 1200 is noon.
 Heights are referred to the Canadian chart datum of soundings.

APRIL

MAY

JUNE

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

AUGUST

SEPTEMBER

Time				Height				Time				Height				Time				Height				Time				Height			
Day	Time		Height		Day	Time		Height		Day	Time		Height		Day	Time		Height		Day	Time		Height		Day	Time		Height			
	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	0250	5.4	1.6		16	0320	5.7	1.7		1	0320	4.9	1.5		16	0435	4.5	1.4		1	0410	4.3	1.3		16	0105	3.0	0.9			
F	0905	2.4	0.7		Sa	0935	1.6	0.5		M	0935	2.0	0.6		Tu	1050	1.9	0.6		Th	1045	1.6	0.5		F	0620	3.9	1.2			
	1435	4.5	1.4			1530	5.1	1.6			1550	4.9	1.5			1735	5.2	1.6			1755	5.2	1.6			1235	2.2	0.7			
	2050	2.0	0.6			2150	1.5	0.5			2210	2.3	0.7												F	0620	3.9	1.2			
																										1235	2.2	0.7			
																										1945	5.3	1.6			
2	0330	5.1	1.6		17	0425	5.3	1.6		2	0405	4.7	1.4		17	0005	2.5	0.8		2	0010	2.7	0.8		17	0215	2.9	0.9			
Sa	0945	2.3	0.7		Su	1035	1.7	0.5		Tu	1025	1.8	0.5		W	0530	4.2	1.3		F	0515	4.2	1.3		Sa	0740	4.1	1.2			
	1540	4.5	1.4			1650	5.1	1.6			1705	4.9	1.5			1155	1.9	0.6			1150	1.4	0.4			1340	2.1	0.6			
	2145	2.2	0.7			2300	1.9	0.6			2315	2.5	0.8			1855	5.2	1.6			1910	5.5	1.7			2045	5.5	1.7			
3	0415	4.9	1.5		18	0520	4.9	1.5		3	0450	4.5	1.4		18	0115	2.7	0.8		3	0125	2.5	0.8		18	0300	2.7	0.8			
Su	1040	2.2	0.7		M	1120	1.8	0.5		W	1120	1.6	0.5		Th	0650	4.0	1.2		Sa	0650	4.3	1.3		Su	0835	4.5	1.4			
	1635	4.6	1.4			1800	5.2	1.6			1820	5.2	1.6			1250	2.0	0.6			1310	1.2	0.4			1430	1.9	0.6			
	2250	2.3	0.7												2005	5.4	1.6			2005	5.9	1.8			2125	5.7	1.7				
4	0500	4.8	1.5		19	0025	2.2	0.7		4	0025	2.5	0.8		19	0235	2.7	0.8		4	0220	2.3	0.7		19	0335	2.5	0.8			
M	1115	2.0	0.6		Tu	0615	4.6	1.4		Th	0550	4.4	1.3		F	0745	4.1	1.2		Su	0755	4.6	1.4		M	0905	4.8	1.5			
	1750	4.8	1.5			1215	1.8	0.5			1220	1.4	0.4			1355	1.9	0.6			1405	0.9	0.3			1515	1.7	0.5			
	2350	2.4	0.7			1910	5.4	1.6			1920	5.5	1.7			2110	5.6	1.7			2110	6.3	1.9			2145	5.8	1.8			
5	0600	4.7	1.4		20	0135	2.3	0.7		5	0135	2.5	0.8		20	0325	2.7	0.8		5	0315										

Time meridian 60° W. 0000 is midnight. 1200 is noon.
Heights are referred to the Canadian chart datum of soundings.

Times and Heights of High and Low Waters

JULY

AUGUST

SEPTEMBER

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	0230	17.0	5.2		16	0309	19.1	5.8		1	0325	16.7	5.1		16	0442	16.8	5.1		1	0442	16.1	4.9		16	0005	1.8	0.5			
F	0858	1.1	0.3		Sa	0933	1.2	-0.4		M	0948	1.5	0.5		Tu	1057	1.2	0.4		Th	1100	2.1	0.6		F	0616	15.2	4.6			
	1459	16.3	5.0			1542	18.8	5.7			1552	17.0	5.2			1709	17.5	5.3			1708	17.3	5.3			1228	2.7	0.8			
	2117	2.1	0.6			2203	-0.3	-0.1			2217	1.6	0.5			2335	0.9	0.3			2341	1.2	0.4			1837	16.3	5.0			
2	0317	16.6	5.1		17	0410	18.2	5.5		2	0419	16.4	5.0		17	0544	16.1	4.9		2	0546	16.2	4.9		17	0105	1.7	0.5			
Sa	0944	1.4	0.4		Su	1030	-0.4	-0.1		Tu	1038	1.7	0.5		W	1158	1.8	0.5		F	1204	1.9	0.6		Sa	0716	15.4	4.7			
	1546	16.4	5.0			1641	18.4	5.6			1644	17.1	5.2			1810	17.1	5.2			1813	17.7	5.4			1327	2.5	0.8			
	2205	2.2	0.7			2303	0.1	0.0			2310	1.5	0.5												1935	16.6	5.1				
3	0405	16.4	5.0		18	0510	17.4	5.3		3	0513	16.2	4.9		18	0037	1.2	0.4		3	0045	0.6	0.2		18	0201	1.4	0.4			
Su	1031	1.6	0.5		M	1127	0.4	0.1		W	1133	1.8	0.5		Th	0647	15.8	4.8		Sa	0651	16.6	5.1		Su	0809	15.9	4.8			
	1636	16.6	5.1			1740	18.1	5.5			1740	17.4	5.3			1258	2.1	0.6			1308	1.3	0.4			1419	1.9	0.6			
	2259	2.0	0.6								1909	16.9	5.2			1909	16.9	5.2			1916	18.4	5.6			2025	17.1	5.2			
4	0458	16.3	5.0		19	0004	0.4	0.1		4	0008	1.2	0.4		19	0135	1.2	0.4		4	0148	-0.2	-0.1		19	0249	0.9	0.3			
M	1119	1.7	0.5		Tu	0612	16.9	5.2		Th	0513	16.3	5.0		F	0746	15.8	4.8		Su	0753	17.5	5.3		M	0854	16.5	5.0			
	1726	16.9	5.2			1227	0.9	0.3			1229	1.7	0.5			1356	2.1	0.6			1409	0.4	0.1			1505	1.3	0.4			
	2351	1.7	0.5			1839	17.9	5.5			1839	17.9	5.5			2003	17.1	5.2			2017	19.4	5.9			2110	17.6	5.4			
5	0554	16.3	5.0		20	0104	0.5	0.2		5	0108	0.6	0.2		20	0230	1.0	0.3		5	0246	-1.3	-0.4		20	0332	0.4	0.1			
Tu	1213	1.6	0.5		W	0714	16.6	5.1		F	0714	16.8	5.1		Sa	0838	16.0	4.9		M	0852	18.6	5.7		Tu	0934	17.2	5.2			
	1818	17.4	5.3			1324	1.3	0.4																							

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			
Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m	Day	h	m	ft	m
1 0241	8.7	2.7			16 0326	9.8	3.0			1 0332	8.2	2.5			16 0514	8.3	2.5		
F 0902	0.6	0.2			Sa 0947	-0.7	-0.2			M 0944	0.6	0.2			Tu 1115	0.6	0.2		
1515	8.1	2.5			1608	9.6	2.9			1557	8.6	2.6			1738	9.1	2.8		
2118	1.4	0.4			2219	0.0	0.0			2216	0.7	0.2							
2 0323	8.5	2.6			17 0431	9.2	2.8			2 0421	8.0	2.4			17 0003	0.2	0.1		
Sa 0944	0.7	0.2			Su 1044	-0.2	-0.1			Tu 1032	0.7	0.2			W 0619	7.9	2.4		
1558	8.2	2.5			1707	9.5	2.9			1646	8.8	2.7			1215	0.9	0.3		
2205	1.3	0.4			2325	0.1	0.0			2309	0.5	0.2			1839	9.0	2.7		
3 0411	8.2	2.5			18 0536	8.7	2.7			3 0515	7.9	2.4			18 0106	0.3	0.1		
Su 1027	0.8	0.2			M 1144	0.1	0.0			W 1123	0.7	0.2			Th 0722	7.8	2.4		
1642	8.4	2.6			1808	9.4	2.9			1739	9.1	2.8			1317	1.1	0.3		
2256	1.2	0.4													1939	9.0	2.7		
4 0502	8.1	2.5			19 0029	0.1	0.0			4 0007	0.2	0.1			19 0205	0.3	0.1		
M 1114	0.9	0.3			Tu 0641	8.3	2.5			Th 0615	8.0	2.4			F 0821	7.9	2.4		
1730	8.6	2.6			1243	0.4	0.1			1219	0.7	0.2			1411	1.1	0.3		
2349	0.8	0.2			1907	9.4	2.9			1837	9.5	2.9			2032	9.1	2.8		
5 0555	8.0	2.4			20 0130	0.0	0.0			5 0106	-0.2	-0.1			20 0255	0.2	0.1		
Tu 1203	0.8	0.2			W 0745	8.2	2.5			F 0717	8.2	2.5			Sa 0911	8.0	2.4		
1821	8.9	2.7			1341	0.6	0.2			1317	0.5	0.2			1502	1.1	0.3		
					2003	9.4	2.9			1934	9.9	3.0			2121	9.3	2.8		
6 0044	0.4	0.1			21 0227	-0.1	0.0			6 0207	-0.6	-0.2			21 0341	0.2	0.1		
W 0649	8.0	2.4			Th 0841	8.1	2.5			Sa 0818	8.5	2.6			Su 0953	8.2	2.5		
1253	0.7	0.2			1436	0.8	0.2			1415	0.2	0.1			1546	1.0	0.3		
1912	9.3	2.8			2055	9.5	2.9			2034	10.4	3.2			2202	9.4	2.9		
7 0138	-0.1	0.0			22 0318	-0.2	-0.1			7 0306	-1.0	-0.3			22 0425	0.1	0.0		
Th 0746	8.2	2.5			F 0932	8.2	2.5			Su 0916	9.0	2.7			M 1034	8.4	2.6		
1345	0.5	0.2			1524	0.8	0.2			1514	-0.1	0.0			1625	0.8	0.2		
2003	9.8	3.0			2141	9.5	2.9			2132	10.9	3.3			2241	9.5	2.9		
8 0231	-0.6	-0.2			23 0404	-0.2	-0.1			8 0401	-1.4	-0.4			23 0459	0.1	0.0		
F 0842	8.5	2.6			Sa 1018	8.2	2.5			M 1012	9.4	2.9			Tu 1108	8.5	2.6		
1439	0.2	0.1			1609	0.8	0.2			1610	-0.5	-0.2			1702	0.7	0.2		
2055	10.3	3.1			2225	9.5	2.9			2228	11.2	3.4			2316	9.5	2.9		
9 0327	-1.1	-0.3			24 0446	-0.2	-0.1			9 0455	-1.7	-0.5			24 0533	0.1	0.0		
Sa 0937	8.8	2.7			Su 1100	8.3	2.5			Tu 1107	9.8	3.0			W 1142	8.6	2.6		
1532	0.0	0.0			1649	0.9	0.3			1707	-0.8	-0.2			1738	0.6	0.2		
2148	10.8	3.3			2304	9.5	2.9			2323	11.3	3.4			2349	9.4	2.9		
10 0418	-1.5	-0.5			25 0527	-0.1	0.0			10 0548	-1.8	-0.5			25 0605	0.1	0.0		
Su 1031	9.2	2.8			M 1138	8.3	2.5			W 1200	10.1	3.1			Th 1212	8.7	2.7		
1626	-0.3	-0.1			1727	0.9	0.3			1802	-0.9	-0.3			1813	0.5	0.2		
2241	11.1	3.4			2341	9.5	2.9												
11 0512	-1.7	-0.5			26 0603	-0.1	0.0			11 0017	11.1	3.4			26 0023	9.2	2.8		
M 1123	9.4	2.9			Tu 1213	8.3	2.5			Th 0640	-1.7	-0.5			F 0636	0.1	0.0		
1720	-0.4	-0.1			1804	0.9	0.3			1254	10.2	3.1			1242	8.7	2.7		
2336	11.2	3.4								1858	-0.9	-0.3			1849	0.4	0.1		
12 0605	-1.8	-0.5			27 0017	9.4	2.9			12 0111	10.7	3.3			27 0056	9.0	2.7		
Tu 1219	9.7	3.0			W 0638	0.0	0.0			F 0731	-1.5	-0.5			Sa 0709	0.1	0.0		
1816	-0.5	-0.2			1247	8.4	2.6			1347	10.1	3.1			1318	8.8	2.7		
					1842	0.9	0.3			1956	-0.8	-0.2			1927	0.3	0.1		
13 0031	11.1	3.4			28 0052	9.2	2.8			13 0208	10.1	3.1			28 0135	8.7	2.7		
W 0659	-1.7	-0.5			Th 0711	0.1	0.0			Sa 0824	-1.0	-0.3			Su 0744	0.3	0.1		
1313	9.8	3.0			1321	8.4	2.6			1441	9.9	3.0			1353	8.8	2.7		
1913	-0.4	-0.1			1919	0.9	0.3			2054	-0.6	-0.2			2008	0.2	0.1		
14 0127	10.8	3.3			29 0128	9.0	2.7			14 0305	9.5	2.9			29 0214	8.5	2.6		
Th 0753	-1.5	-0.5			F 0747	0.3	0.1			Su 0918	-0.5	-0.2			M 0822	0.4	0.1		
1409	9.8	3.0			1356	8.4	2.6			1538	9.6	2.9			1433	8.9	2.7		
2012	-0.3	-0.1			2000	0.9	0.3			2155	-0.3	-0.1			2053	0.2	0.1		
15 0225	10.4	3.2			30 0206	8.8	2.7			15 0408	8.8	2.7			30 0258	8.3	2.5		
F 0848	-1.1	-0.3			Sa 0823	0.4	0.1			M 1015	0.1	0.0			Tu 0907	0.6	0.2		
1507	9.7	3.0			1433	8.4	2.6			1637	9.3	2.8			1518	8.9	2.7		
2115	-0.1	0.0			2040	0.8	0.2			2257	0.0	0.0			2144	0.2	0.1		
					31 0246	8.5	2.6			31 0350	8.1	2.5			W 0956	0.8	0.2		
					Su 0901	0.5	0.2								1612	9.1	2.8		
					1514	8.5	2.6								2240	0.2	0.1		
					2126	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.

DECEMBER

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	h m	ft	m	Day	h m	ft	m	Day	h m	ft	m
1	0127	10.6	3.2	16	0054	10.6	3.2	1	0241	9.3	2.8
F	0741	-1.0	-0.3	Sa	0715	-1.0	-0.3	W	0904	0.4	0.1
	1355	9.6	2.9		1326	9.6	2.9		1521	8.3	2.5
	1958	0.0	0.0		1929	0.0	0.0		2118	1.6	0.5
2	0212	10.2	3.1	17	0140	10.5	3.2	2	0331	9.0	2.7
Sa	0827	-0.5	-0.2	Su	0804	-0.9	-0.3	Th	0952	0.7	0.2
	1444	9.0	2.7		1415	9.3	2.8		1608	8.2	2.5
	2044	0.6	0.2		2017	0.3	0.1		2210	1.7	0.5
3	0300	9.7	3.0	18	0230	10.4	3.2	3	0420	8.8	2.7
Su	0918	0.1	0.0	M	0857	-0.7	-0.2	F	1042	0.8	0.2
	1534	8.5	2.6		1509	9.0	2.7		1659	8.3	2.5
	2134	1.1	0.3		2111	0.6	0.2		2303	1.7	0.5
4	0350	9.2	2.8	19	0326	10.2	3.1	4	0512	8.6	2.6
M	1011	0.6	0.2	Tu	0953	-0.4	-0.1	Sa	1133	0.9	0.3
	1627	8.0	2.4		1608	8.8	2.7		1748	8.5	2.6
	2227	1.6	0.5		2211	0.8	0.2		2358	1.5	0.5
5	0443	8.8	2.7	20	0427	9.9	3.0	5	0606	8.6	2.6
Tu	1107	0.9	0.3	W	1055	-0.2	-0.1	Su	1223	0.9	0.3
	1723	7.7	2.3		1711	8.7	2.7		1838	8.8	2.7
	2323	1.8	0.5		2315	0.9	0.3				
6	0541	8.5	2.6	21	0531	9.8	3.0	6	0053	1.1	0.3
W	1205	1.1	0.3	Th	1159	-0.2	-0.1	M	0658	8.6	2.6
	1822	7.7	2.3		1816	8.9	2.7		1312	0.8	0.2
									1926	9.2	2.8
7	0022	1.8	0.5	22	0021	0.7	0.2	7	0144	0.7	0.2
Th	0637	8.5	2.6	F	0638	9.8	3.0	Tu	0749	8.8	2.7
	1302	1.1	0.3		1301	-0.3	-0.1		1402	0.6	0.2
	1917	7.8	2.4		1918	9.2	2.8		2013	9.7	3.0
8	0119	1.6	0.5	23	0127	0.3	0.1	8	0234	0.1	0.0
F	0733	8.6	2.6	Sa	0741	10.0	3.0	W	0840	9.0	2.7
	1355	0.9	0.3		1402	-0.5	-0.2		1448	0.4	0.1
	2009	8.1	2.5		2018	9.7	3.0		2058	10.2	3.1
9	0213	1.3	0.4	24	0227	-0.2	-0.1	9	0322	-0.5	-0.2
Sa	0825	8.9	2.7	Su	0840	10.2	3.1	Th	0930	9.3	2.8
	1442	0.6	0.2		1456	-0.7	-0.2		1535	0.1	0.0
	2055	8.5	2.6		2111	10.2	3.1		2145	10.7	3.3
10	0258	0.8	0.2	25	0324	-0.7	-0.2	10	0411	-1.0	-0.3
Su	0911	9.2	2.8	M	0937	10.3	3.1	F	1019	9.5	2.9
	1525	0.3	0.1		1546	-0.8	-0.2		1621	-0.1	0.0
	2136	9.0	2.7		2202	10.6	3.2		2234	11.1	3.4
11	0343	0.3	0.1	26	0414	-1.1	-0.3	11	0459	-1.4	-0.4
M	0954	9.5	2.9	Tu	1028	10.3	3.1	Sa	1110	9.7	3.0
	1606	0.0	0.0		1633	-0.8	-0.2		1709	-0.3	-0.1
	2215	9.5	2.9		2248	10.8	3.3		2322	11.4	3.5
12	0425	-0.1	0.0	27	0502	-1.3	-0.4	12	0548	-1.6	-0.5
Tu	1036	9.7	3.0	W	1116	10.2	3.1	Su	1200	9.8	3.0
	1645	-0.2	-0.1		1718	-0.6	-0.2		1759	-0.3	-0.1
	2254	9.9	3.0		2332	10.9	3.3				
13	0506	-0.5	-0.2	28	0547	-1.3	-0.4	13	0013	11.5	3.5
W	1116	9.8	3.0	Th	1202	10.0	3.0	M	0639	-1.7	-0.5
	1725	-0.3	-0.1		1801	-0.3	-0.1		1253	9.8	3.0
	2333	10.2	3.1						1851	-0.3	-0.1
14	0548	-0.8	-0.2	29	0015	10.7	3.3	14	0106	11.4	3.5
Th	1158	9.8	3.0	F	0631	-1.1	-0.3	Tu	0730	-1.6	-0.5
	1804	-0.3	-0.1		1247	9.6	2.9		1346	9.8	3.0
					1844	0.0	0.0		1945	-0.2	-0.1
15	0012	10.5	3.2	30	0058	10.5	3.2	15	0201	11.1	3.4
F	0630	-1.0	-0.3	Sa	0716	-0.8	-0.2	W	0825	-1.3	-0.4
	1241	9.8	3.0		1330	9.2	2.8		1441	9.8	3.0
	1845	-0.2	-0.1		1927	0.5	0.2		2043	0.0	0.0

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			
Height				Height				Height				Height				Height				Height			
Day	h	m	ft	Day	h	m	ft	Day	h	m	ft	Day	h	m	ft	Day	h	m	ft	Day	h	m	ft
1	0557	8.6	2.6	16	0048	1.1	0.3	1	0128	-0.4	-0.1	16	0144	0.8	0.2	1	0202	-0.3	-0.1	16	0144	0.7	0.2
Sa	1203	1.0	0.3	Su	0704	8.0	2.4	Tu	0744	9.7	3.0	W	0757	8.8	2.7	Th	0821	10.3	3.1	F	0756	9.3	2.8
	1817	9.9	3.0		1307	1.7	0.5		1357	-0.1	0.0		1410	0.8	0.2		1439	-0.7	-0.2		1418	0.3	0.1
					1920	8.7	2.7		2008	10.1	3.1		2018	8.8	2.7		2050	9.6	2.9		2024	8.5	2.6
2	0049	-0.1	0.0	17	0141	0.9	0.3	2	0224	-0.7	-0.2	17	0227	0.6	0.2	2	0255	-0.4	-0.1	17	0231	0.5	0.2
Su	0701	8.9	2.7	M	0755	8.3	2.5	W	0840	10.3	3.1	Th	0840	9.3	2.8	F	0911	10.6	3.2	Sa	0842	9.8	3.0
	1307	0.6	0.2		1358	1.3	0.4		1453	-0.7	-0.2		1455	0.3	0.1		1532	-1.0	-0.3		1506	-0.3	-0.1
	1923	10.2	3.1		2012	8.9	2.7		2106	10.3	3.1		2103	9.0	2.7		2143	9.6	2.9		2114	8.8	2.7
3	0149	-0.4	-0.1	18	0227	0.7	0.2	3	0316	-0.9	-0.3	18	0309	0.4	0.1	3	0344	-0.3	-0.1	18	0316	0.3	0.1
M	0802	9.4	2.9	Tu	0842	8.7	2.7	Th	0932	10.8	3.3	F	0922	9.7	3.0	Sa	0959	10.8	3.3	Su	0928	10.2	3.1
	1410	0.0	0.0		1447	0.9	0.3		1546	-1.2	-0.4		1538	-0.2	-0.1		1620	-1.2	-0.4		1552	-0.8	-0.2
	2024	10.6	3.2		2058	9.2	2.8		2159	10.4	3.2		2146	9.2	2.8		2233	9.5	2.9		2201	9.0	2.7
4	0245	-0.9	-0.3	19	0309	0.4	0.1	4	0406	-0.9	-0.3	19	0351	0.2	0.1	4	0430	-0.2	-0.1	19	0401	0.1	0.0
Tu	0859	10.0	3.0	W	0922	9.1	2.8	F	1020	11.1	3.4	Sa	1002	10.1	3.1	Su	1045	10.8	3.3	M	1015	10.6	3.2
	1507	-0.6	-0.2		1530	0.5	0.2		1636	-1.5	-0.5		1621	-0.6	-0.2		1707	-1.3	-0.4		1639	-1.2	-0.4
	2122	10.9	3.3		2140	9.4	2.9		2249	10.4	3.2		2231	9.3	2.8		2321	9.4	2.9		2248	9.3	2.8
5	0338	-1.2	-0.4	20	0351	0.2	0.1	5	0452	-0.8	-0.2	20	0433	0.0	0.0	5	0513	0.0	0.0	20	0448	-0.2	-0.1
W	0951	10.6	3.2	Th	1001	9.5	2.9	Sa	1106	11.2	3.4	Su	1041	10.5	3.2	M	1129	10.7	3.3	Tu	1101	11.0	3.4
	1601	-1.2	-0.4		1610	0.0	0.0		1724	-1.6	-0.5		1703	-1.0	-0.3		1750	-1.1	-0.3		1726	-1.5	-0.5
	2216	11.1	3.4		2220	9.5	2.9		2338	10.2	3.1		2312	9.4	2.9						2338	9.4	2.9
6	0428	-1.4	-0.4	21	0428	0.0	0.0	6	0537	-0.6	-0.2	21	0514	0.0	0.0	6	0004	9.2	2.8	21	0536	-0.3	-0.1
Th	1041	11.1	3.4	F	1037	9.9	3.0	Su	1152	11.1	3.4	M	1124	10.7	3.3	Tu	0558	0.2	0.1	W	1148	11.2	3.4
	1652	-1.6	-0.5		1650	-0.3	-0.1		1810	-1.5	-0.5		1747	-1.2	-0.4		1213	10.5	3.2		1815	-1.7	-0.5
	2306	11.1	3.4		2301	9.6	2.9						2359	9.5	2.9		1834	-0.9	-0.3				
7	0516	-1.4	-0.4	22	0505	0.0	0.0	7	0024	9.9	3.0	22	0558	0.0	0.0	7	0050	9.0	2.7	22	0026	9.6	2.9
F	1129	11.3	3.4	Sa	1115	10.1	3.1	M	0623	-0.2	-0.1	Tu	1208	10.8	3.3	W	0641	0.5	0.2	Th	0624	-0.4	-0.1
	1742	-1.7	-0.5		1729	-0.6	-0.2		1236	10.8	3.3		1831	-1.3	-0.4		1255	10.1	3.1		1239	11.2	3.4
	2357	10.9	3.3		2340	9.6	2.9		1855	-1.1	-0.3						1916	-0.6	-0.2		1903	-1.7	-0.5
8	0603	-1.2	-0.4	23	0544	0.0	0.0	8	0111	9.4	2.9	23	0045	9.4	2.9	8	0132	8.7	2.7	23	0116	9.5	2.9
Sa	1217	11.3	3.4	Su	1153	10.3	3.1	Tu	0706	0.2	0.1	W	0643	0.0	0.0	Th	0727	0.8	0.2	F	0716	-0.4	-0.1
	1830	-1.6	-0.5		1811	-0.8	-0.2		1322	10.4	3.2		1255	10.8	3.3		1340	9.8	3.0		1332	11.0	3.4
									1942	-0.7	-0.2		1920	-1.2	-0.4		2001	-0.2	-0.1		1955	-1.5	-0.5
9	0045	10.5	3.2	24	0020	9.6	2.9	9	0159	9.0	2.7	24	0132	9.3	2.8	9	0217	8.5	2.6	24	0211	9.6	2.9
Su	0648	-0.7	-0.2	M	0623	0.1	0.0	W	0752	0.7	0.2	Th	0732	0.2	0.1	F	0812	1.1	0.3	Sa	0812	-0.2	-0.1
	1303	11.1	3.4		1233	10.4	3.2		1409	9.9	3.0		1345	10.6	3.2		1426	9.4	2.9		1425	10.7	3.3
	1919	-1.3	-0.4		1853	-0.8	-0.2		2029	-0.2	-0.1		2012	-1.0	-0.3		2046	0.1	0.0		2048	-1.3	-0.4
10	0135	10.0	3.0	25	0105	9.4	2.9	10	0246	8.5	2.6	25	0226	9.2	2.8	10	0304	8.3	2.5	25	0307	9.6	2.9
M	0735	-0.2	-0.1	Tu	0705	0.3	0.1	Th	0843	1.2	0.4	F	0827	0.4	0.1	Sa	0900	1.3	0.4	Su	0909	-0.1	0.0
	1351	10.6	3.2		1316	10.4	3.2		1457	9.4	2.9		1441	10.4	3.2		1513	9.0	2.7		1523	10.3	3.1
	2007	-0.8	-0.2		1938	-0.7	-0.2		2120	0.3	0.1		2105	-0.8	-0.2		2134	0.4	0.1		2145	-0.9	-0.3
11	0225	9.4	2.9	26	0151	9.2	2.8	11	0338	8.2	2.5	26	0323	9.1	2.8	11	0352	8.2	2.5	26	0403	9.6	2.9
Tu	0822	0.5	0.2	W	0751	0.5	0.2	F	0934	1.6	0.5	Sa	0923	0.6	0.2	Su	0953	1.5	0.5	M	1011	0.1	0.0
	1440	10.1	3.1		1403	10.3	3.1		1550	8.9	2.7		1539	10.1	3.1		1603	8.7	2.7		1625	9.8	3.0
	2059	-0.2	-0.1		2028	-0.5	-0.2		2214	0.7	0.2		2204	-0.5	-0.2		2224	0.7	0.2		2242	-0.6	-0.2
12	0317	8.8	2.7	27	0242	8.9	2.7	12	0432	8.0	2.4	27	0422	9.1	2.8	12	0442	8.2	2.5	27	0503	9.7	3.0
W	0915	1.1	0.3	Th	0842	0.7	0.2	Sa	1030	1.8	0.5	Su	1027	0.6	0.2	M	1046	1.6	0.5	Tu	1115	0.1	0.0
	1531	9.5	2.9		1456	10.1	3.1		1643	8.6	2.6		1642	9.8	3.0		1656	8.4	2.6		1727	9.4	2.7
	2154	0.4	0.1		2123	-0.3	-0.1		2306	1.0	0.3		2305	-0.4	-0.1		2315	0.8	0.2		2341	-0.3	-0.1
13	0411	8.3	2.5	28	0337	8.7	2.7	13	0525	8.0	2.4	28	0524	9.2	2.8	13	0532	8.3	2.5	28	0603	9.8	3.0
Th	1011	1.5	0.5	F	0939	1.0	0.3	Su	1128	1.8	0.5	M	1133	0.5	0.2	Tu	1141	1.5	0.5	W	1220	0.0	0.0
	1627	9.0	2.7		1554	9.9	3.0		1741	8.5	2.6		1746	9.6	2.9		1748	8.3	2.5		1832	9.1	2.7
	2251	0.8	0.2		2222	-0.1	0.0																
14	0509	8.0	2.4	29	0438	8.7	2.7	14	0002	1.0	0.3	29	0006	-0.3	-0.1	14	0006	0.9	0.3	29	0041	0.0	0.0
F	1108	1.8	0.5	Sa	1042	1.0	0.3	M	0620	8.1	2.5	Tu	0626	9.5	2.9	W	0621	8.5	2.6	Th	0701	9.9	3.0
	1726	8.7	2.7		1657	9.7	3.0		1225	1.6	0.5		1238	0.2	0.1		1235	1.2	0.4		1323	-0.7	-0.1
	2350	1.1	0.3		2325	-0.1	0.0		1837	8.4	2.6		1849	9.5	2.9		1843	8.3	2.5		1933	8.9	2.7
15	0609	7.9	2.4	30	0542	8.8	2.7	15	0054	0.9	0.3	30	0105	-0.3	-0.1	15	0056	0.9	0.3	30	0138	0.1	0.0
Sa	1208	1.9	0.6	Su	1147	0.9	0.3	Tu	0711	8.4	2.6	W	0725	9.9	3.0	Th	0710	8.9	2.7	F	0757	10.1	3.0
	1824	8.6	2.6		1802	9.7	3.0		1320	1.3	0.4		1341	-0.2	-0.1		1328	0.8	0.2		1421	-0.4	-0.1
									1929	8.6	2.6		1952	9.5	2.9		1934	8.4	2.6		2034	8.8	2.7
				31	0028	-0.2	-0.1													31	0233	0.2	0.0
				M	0645	9.2	2.8												Sa	0851	10.2	3.0	
					1254																		

Times and Heights of High and Low Waters

APRIL

MAY

JUNE

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	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
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
	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
	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
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
	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
	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	3.3	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
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
	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
																	1829	0.8	0.2
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
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
	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
	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
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
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
	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
	1845	0.7	0.2		1910	0.1	0.0		1912	0.8	0.2		2038	0.2	0.1		2043	0.6	0.2
6	0216	2.8	0.9	21	0216	3.5	1.1	6	0233	2.8	0.9	21	0259	3.5	1.1	6	0334	3.0	0.9
W	0803	0.8	0.2	Th	0814	0.1	0.0	F	0759	0.7	0.2	Sa	0904	0.0	0.0	M	0851	0.3	0.1
	1449	2.5	0.8		1453	3.2	1.0		1507	2.8	0.9		1530	3.8	1.2		1602	3.5	1.1
	2006	0.8	0.2		2038	0.1	0.0		2031	0.8	0.2		2152	0.0	0.0		2144	0.4	0.1
7	0314	2.8	0.9	22	0320	3.6	1.1	7	0327	2.9	0.9	22	0357	3.5	1.1	7	0423	3.1	0.9
Th	0933	0.7	0.2	F	0928	-0.1	0.0	Sa	0859	0.5	0.2	Su	1002	-0.1	0.0	Tu	0944	0.1	0.0
	1544	2.7	0.8		1552	3.5	1.1		1557	3.1	0.9		1623	4.0	1.2		1648	3.9	1.2
	2134	0.6	0.2		2159	-0.1	0.0		2138	0.5	0.2		2255	-0.2	-0.1		2239	0.1	0.0
8	0407	2.9	0.9	23	0418	3.7	1.1	8	0416	3.0	0.9	23	0450	3.6	1.1	8	0511	3.3	1.0
F	1021	0.5	0.2	Sa	1029	-0.2	-0.1	Su	0950	0.3	0.1	M	1050	-0.2	-0.1	W	1034	-0.1	0.0
	1634	2.9	0.9		1647	3.9	1.2		1642	3.4	1.0		1714	4.2	1.3		1735	4.2	1.3
	2231	0.4	0.1		2303	-0.4	-0.1		2231	0.3	0.1		2345	-0.3	-0.1		2329	-0.2	-0.1
9	0455	3.1	0.9	24	0514	3.8	1.2	9	0503	3.2	1.0	24	0538	3.6	1.1	9	0559	3.4	1.0
Sa	1055	0.3	0.1	Su	1119	-0.4	-0.1	M	1034	0.1	0.0	Tu	1135	-0.2	-0.1	Th	1124	-0.3	-0.1
	1719	3.2	1.0		1737	4.2	1.3		1725	3.7	1.1		1800	4.4	1.3		1822	4.5	1.4
	2314	0.2	0.1		2356	-0.6	-0.2		2316	0.0	0.0								
10	0540	3.3	1.0	25	0602	3.9	1.2	10	0547	3.4	1.0	25	0028	-0.3	-0.1	10	0017	-0.4	-0.1
Su	1129	0.0	0.0	M	1201	-0.5	-0.2	Tu	1117	-0.1	0.0	W	0626	3.6	1.1	F	0648	3.6	1.1
	1801	3.5	1.1		1823	4.4	1.3		1807	4.0	1.2		1214	-0.3	-0.1		1212	-0.5	-0.2
	2351	-0.1	0.0						2359	-0.3	-0.1		1846	4.4	1.3		1909	4.6	1.4
11	0622	3.5	1.1	26	0042	-0.7	-0.2	11	0630	3.5	1.1	26	0108	-0.3	-0.1	11	0106	-0.6	-0.2
M	1201	-0.2	-0.1	Tu	0649	3.9	1.2	W	1156	-0.3	-0.1	Th	0709	3.5	1.1	Sa	0736	3.7	1.1
	1840	3.7	1.1		1243	-0.6	-0.2		1850	4.2	1.3		1250	-0.2	-0.1		1302	-0.6	-0.2
					1909	4.5	1.4						1928	4.4	1.3		1957	4.7	1.4
12	0029	-0.3	-0.1	27	0124	-0.7	-0.2	12	0041	-0.5	-0.2	27	0145	-0.2	-0.1	12	0155	-0.6	-0.2
Tu	0702	3.6	1.1	W	0734	3.8	1.2	Th	0713	3.6	1.1	F	0753	3.4	1.0	Su	0826	3.7	1.1
	1233	-0.4	-0.1		1319	-0.6	-0.2		1237	-0.5	-0.2		1325	-0.2	-0.1		1352	-0.6	-0.2
	1920	3.9	1.2		1953	4.5	1.4		1932	4.4	1.3		2013	4.2	1.3		2047	4.7	1.4
13	0106	-0.5	-0.2	28	0205	-0.6	-0.2	13	0123	-0.6	-0.2	28	0218	-0.1	0.0	13	0245	-0.6	-0.2
W	0743	3.6	1.1	Th	0818	3.6	1.1	F	0759	3.6	1.1	Sa	0836	3.3	1.0	M	0919	3.7	1.1
	1310	-0.5	-0.2		1356	-0.4	-0.1		1322	-0.6	-0.2		1400	0.0	0.0		1445	-0.5	-0.2
	1959	4.1	1.2		2037	4.3	1.3		2018	4.4	1.3		2055	4.0	1.2		2140	4.5	1.4
14	0144	-0.6	-0.2	29	0239	-0.4	-0.1	14	0209	-0.7	-0.2	29	0250	0.0	0.0	14	0337	-0.5	-0.2
Th	0822	3.5	1.1	F	0902	3.4	1.0	Sa	0844	3.5	1.1	Su	0919	3.2	1.0	Tu	1012	3.7	1.1
	1347	-0.5	-0.2		1431	-0.3	-0.1		1408	-0.5	-0.2		1436	0.1	0.0		1540	-0.3	-0.1
	2039	4.1	1.2		2121	4.0	1.2		2104	4.4	1.3		2137	3.8	1.2		2235	4.3	1.3
15	0224	-0.6	-0.2	30	0316	-0.2	-0.1	15	0255	-0.6	-0.2	30	0323	0.2	0.1	15	0430	-0.4	-0.1
F	0906	3.4	1.0	Sa	0945	3.2	1.0	Su	0934	3.5	1.1	M	1005	3.0	0.9	W	1110	3.7	1.1
	1426	-0.5	-0.2		1506	-0.1	0.0		1455	-0.4	-0.1		1514	0.3	0.1		1641	-0.1	0.0
	2124	4.1	1.2		2204	3.7	1.1		2155	4.3	1.3		2222	3.5	1.1		2333	4.1	1.2
												31	0358	0.3	0.1				
												Tu	1054	2.9	0.9				
													1553	0.5	0.2				
													2309	3.2	1.0				

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			
Day		Height		Day		Height		Day		Height		Day		Height		Day		Height		Day		Height	
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	0416	2.2	0.7	16	0535	2.2	0.7	1	0559	2.8	0.9	16	0009	0.2	0.1	1	0022	-0.1	0.0	16	0010	0.1	0.0
Sa	1038	0.5	0.2	Su	1142	0.5	0.2	Tu	1227	-0.1	0.0	W	0614	2.6	0.8	Th	0635	3.0	0.9	F	0609	2.7	0.8
	1636	2.9	0.9		1745	2.4	0.7		1825	2.7	0.8		1243	0.2	0.1		1307	-0.4	-0.1		1254	-0.1	0.0
	2327	0.1	0.0						1830	2.3	0.7		1830	2.3	0.7		1905	2.3	0.7		1834	2.0	0.6
2	0519	2.4	0.7	17	0007	0.3	0.1	2	0046	-0.1	0.0	17	0051	0.1	0.0	2	0110	-0.1	0.0	17	0052	0.0	0.0
Su	1140	0.3	0.1	M	0617	2.4	0.7	W	0651	3.1	0.9	Th	0651	2.7	0.8	F	0721	3.1	0.9	Sa	0649	2.9	0.9
	1739	3.0	0.9		1228	0.4	0.1		1320	-0.3	-0.1		1325	0.0	0.0		1357	-0.4	-0.1		1339	-0.3	-0.1
					1827	2.5	0.8		1920	2.7	0.8		1911	2.3	0.7		1955	2.3	0.7		1920	2.1	0.0
3	0020	0.0	0.0	18	0049	0.2	0.1	3	0134	-0.2	-0.1	18	0130	0.1	0.0	3	0156	-0.1	0.0	18	0133	0.0	0.0
M	0615	2.7	0.8	Tu	0655	2.5	0.8	Th	0738	3.3	1.0	F	0726	2.9	0.9	Sa	0806	3.2	1.0	Su	0731	3.0	0.9
	1238	0.0	0.0		1312	0.3	0.1		1411	-0.4	-0.1		1406	-0.1	0.0		1445	-0.5	-0.2		1422	-0.5	-0.2
	1838	3.1	0.9		1908	2.5	0.8		2009	2.7	0.8		1950	2.4	0.7		2039	2.2	0.7		2003	2.2	0.7
4	0110	-0.2	-0.1	19	0128	0.2	0.1	4	0219	-0.2	-0.1	19	0208	0.1	0.0	4	0241	-0.1	0.0	19	0215	-0.1	0.0
Tu	0707	2.9	0.9	W	0728	2.7	0.8	F	0824	3.4	1.0	Sa	0800	3.1	0.9	Su	0849	3.2	1.0	M	0813	3.2	1.0
	1332	-0.2	-0.1		1354	0.2	0.1		1501	-0.5	-0.2		1448	-0.3	-0.1		1530	-0.4	-0.1		1507	-0.6	-0.2
	1932	3.1	0.9		1947	2.6	0.8		2055	2.6	0.8		2029	2.4	0.7		2123	2.2	0.7		2048	2.2	0.7
5	0158	-0.2	-0.1	20	0206	0.1	0.0	5	0304	-0.1	0.0	20	0245	0.0	0.0	5	0327	-0.1	0.0	20	0258	-0.2	-0.1
W	0756	3.2	1.0	Th	0803	2.9	0.9	Sa	0909	3.4	1.0	Su	0838	3.2	1.0	M	0932	3.1	0.9	Tu	0857	3.3	1.0
	1424	-0.4	-0.1		1433	0.0	0.0		1548	-0.5	-0.2		1531	-0.4	-0.1		1616	-0.4	-0.1		1553	-0.7	-0.2
	2024	3.1	0.9		2022	2.6	0.8		2142	2.6	0.8		2110	2.4	0.7		2205	2.1	0.6		2135	2.3	0.7
6	0244	-0.3	-0.1	21	0243	0.1	0.0	6	0349	-0.1	0.0	21	0324	0.0	0.0	6	0413	0.0	0.0	21	0347	-0.2	-0.1
Th	0844	3.4	1.0	F	0836	3.0	0.9	Su	0952	3.3	1.0	M	0918	3.3	1.0	Tu	1014	3.0	0.9	W	0944	3.3	1.0
	1515	-0.5	-0.2		1515	-0.1	0.0		1636	-0.4	-0.1		1615	-0.4	-0.1		1702	-0.3	-0.1		1640	-0.7	-0.2
	2113	3.0	0.9		2058	2.6	0.8		2227	2.4	0.7		2154	2.4	0.7		2251	2.1	0.6		2225	2.3	0.7
7	0330	-0.2	-0.1	22	0320	0.1	0.0	7	0437	0.1	0.0	22	0408	0.1	0.0	7	0459	0.2	0.1	22	0439	-0.2	-0.1
F	0930	3.4	1.0	Sa	0910	3.1	0.9	M	1038	3.2	1.0	Tu	1001	3.3	1.0	W	1056	2.8	0.9	Th	1035	3.2	1.0
	1606	-0.5	-0.2		1555	-0.1	0.0		1725	-0.2	-0.1		1702	-0.4	-0.1		1747	-0.2	-0.1		1731	-0.6	-0.2
	2201	2.9	0.9		2136	2.6	0.8		2315	2.3	0.7		2241	2.3	0.7		2336	2.0	0.6		2317	2.3	0.7
8	0417	-0.2	-0.1	23	0357	0.2	0.1	8	0525	0.2	0.1	23	0454	0.1	0.0	8	0551	0.3	0.1	23	0536	-0.1	0.0
Sa	1019	3.4	1.0	Su	0947	3.2	1.0	Tu	1125	3.0	0.9	W	1046	3.2	1.0	Th	1141	2.6	0.8	F	1129	3.0	0.9
	1656	-0.4	-0.1		1638	-0.1	0.0		1815	-0.1	0.0		1751	-0.3	-0.1		1834	-0.1	0.0		1824	-0.5	-0.2
	2249	2.7	0.8		2215	2.5	0.8		2333	2.3	0.7		2333	2.3	0.7								
9	0504	0.0	0.0	24	0435	0.2	0.1	9	0005	2.2	0.7	24	0547	0.2	0.1	9	0026	2.0	0.6	24	0013	2.3	0.7
Su	1106	3.3	1.0	M	1024	3.2	1.0	W	0619	0.4	0.1	Th	1139	3.1	0.9	F	0645	0.4	0.1	Sa	0637	-0.1	0.0
	1749	-0.2	-0.1		1724	-0.1	0.0		1215	2.8	0.9		1847	-0.3	-0.1		1230	2.4	0.7		1228	2.8	0.9
	2340	2.5	0.8		2259	2.4	0.7		1906	0.1	0.0		1923	0.0	0.0		1923	0.0	0.0		1919	-0.4	-0.1
10	0555	0.2	0.1	25	0516	0.3	0.1	10	0101	2.1	0.6	25	0029	2.2	0.7	10	0119	2.0	0.6	25	0115	2.4	0.7
M	1155	3.1	0.9	Tu	1107	3.2	1.0	Th	0714	0.5	0.2	F	0650	0.3	0.1	Sa	0741	0.5	0.2	Su	0742	0.0	0.0
	1842	0.0	0.0		1813	0.0	0.0		1306	2.6	0.8		1237	2.9	0.9		1319	2.2	0.7		1332	2.5	0.8
					2347	2.3	0.7		2001	0.2	0.1		1943	-0.2	-0.1		2014	0.1	0.0		2017	-0.3	-0.1
11	0034	2.3	0.7	26	0605	0.4	0.1	11	0158	2.0	0.6	26	0133	2.3	0.7	11	0215	2.0	0.6	26	0218	2.4	0.7
Tu	0648	0.4	0.1	W	1156	3.1	0.9	F	0815	0.6	0.2	Sa	0757	0.3	0.1	Su	0838	0.5	0.2	M	0849	-0.1	0.0
	1250	2.9	0.9		1906	0.0	0.0		1406	2.4	0.7		1345	2.7	0.8		1415	2.1	0.6		1440	2.3	0.7
	1938	0.2	0.1						2057	0.3	0.1		2042	-0.1	0.0		2105	0.2	0.1		2114	-0.2	-0.1
12	0130	2.2	0.7	27	0042	2.2	0.7	12	0302	2.0	0.6	27	0239	2.3	0.7	12	0309	2.1	0.6	27	0324	2.5	0.8
W	0746	0.5	0.2	Th	0704	0.5	0.2	Sa	0915	0.7	0.2	Su	0907	0.3	0.1	M	0937	0.5	0.2	Tu	0956	-0.1	0.0
	1346	2.7	0.8		1253	3.0	0.9		1507	2.2	0.7		1455	2.5	0.8		1512	2.0	0.6		1549	2.1	0.6
	2037	0.3	0.1		2006	0.1	0.0		2149	0.3	0.1		2142	-0.1	0.0		2156	0.2	0.1		2211	-0.2	-0.1
13	0236	2.1	0.6	28	0146	2.2	0.7	13	0401	2.1	0.6	28	0345	2.5	0.8	13	0401	2.2	0.7	28	0425	2.6	0.7
Th	0846	0.6	0.2	F	0811	0.6	0.2	Su	1015	0.6	0.2	M	1014	0.1	0.0	Tu	1030	0.4	0.1	W	1058	-0.2	-0.1
	1450	2.5	0.8		1358	2.8	0.9		1607	2.2	0.7		1606	2.4	0.7		1609	1.9	0.6		1655	2.0	0.6
	2135	0.4	0.1		2107	0.1	0.0		2239	0.3	0.1		2237	-0.1	0.0		2242	0.2	0.1		2305	-0.1	0.0
14	0341	2.1	0.6	29	0255	2.2	0.7	14	0453	2.2	0.7	29	0447	2.7	0.8	14	0447	2.3	0.7	29	0524	2.7	0.7
F	0948	0.7	0.2	Sa	0920	0.5	0.2	M	1108	0.5	0.2	Tu	1116	0.0	0.0	W	1121	0.3	0.1	Th	1157	-0.3	-0.1
	1554	2.4	0.7		1511	2.7	0.8		1658	2.2	0.7		1713	2.4	0.7		1701	1.9	0.6		1756	2.0	0.6
	2231	0.4	0.1		2207	0.1	0.0		2326	0.2	0.1		2332	-0.1	0.0		2327	0.1	0.0		2358	-0.1	0.0
15	0444	2.1	0.6	30	0402	2.4	0.7	15	0535	2.4	0.7	30	0542	2.8	0.9	15	0530	2.5	0.8	30	0617	2.8	0.6
Sa	1046	0.6	0.2	Su	1026	0.4	0.1	Tu	1158	0.4	0.1	W	1214	-0.2	-0.1	Th	1209	0.1	0.0	F	1251	-0.4	-0.1
	1652	2.4	0.7		1621	2.7	0.8		1748	2.2	0.7		1812	2.3	0.7		1748	2.0	0.6		1852	1.9	0.6
	2321	0.4	0.1		2303	0.0	0.0																
				31	0505	2.6	0.8																
				M	1129	0.1	0.0																
					1727	2.7	0.8																
					2356	0.0	0.0																

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

JANUARY

FEBRUARY

MARCH

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	0004	6.8	2.1		16	0016	6.2	1.9		1	0131	7.0	2.1		16	0057	6.6	2.0		1	0017	7.3	2.2		16	0606	-0.6	-0.2			
Sa	0612	-0.8	-0.2		Su	0621	0.1	0.0		Tu	0747	-1.1	-0.3		W	0710	-0.3	-0.1		Tu	0634	-1.4	-0.4		W	1209	6.8	2.1			
	1222	7.7	2.3			1227	6.8	2.1			1355	7.0	2.1			1313	6.6	2.0			1243	7.2	2.2			1821	-0.4	-0.1			
	1849	-1.4	-0.4			1848	-0.3	-0.1			2014	-1.1	-0.3			1928	-0.3	-0.1			1857	-1.2	-0.4								
2	0059	6.8	2.1		17	0051	6.3	1.9		2	0224	6.9	2.1		17	0134	6.6	2.0		2	0105	7.3	2.2		17	0027	7.0	2.1			
Su	0707	-0.7	-0.2		M	0659	0.2	0.1		W	0842	-0.8	-0.2		Th	0750	-0.2	-0.1		W	0725	-1.3	-0.4		Th	0644	-0.6	-0.2			
	1318	7.5	2.3			1302	6.7	2.0			1450	6.6	2.0			1352	6.4	2.0			1332	6.9	2.1			1249	6.6	2.0			
	1944	-1.2	-0.4			1923	-0.2	-0.1			2106	-0.7	-0.2			2006	-0.2	-0.1			1944	-0.9	-0.3			1857	-0.3	-0.1			
3	0155	6.8	2.1		18	0128	6.3	1.9		3	0317	6.7	2.0		18	0216	6.6	2.0		3	0153	7.0	2.1		18	0105	7.0	2.1			
M	0806	-0.6	-0.2		Tu	0736	0.2	0.1		Th	0941	-0.6	-0.2		F	0834	-0.1	0.0		Th	0815	-1.0	-0.3		F	0725	-0.5	-0.2			
	1415	7.1	2.2			1341	6.5	2.0			1546	6.1	1.9			1439	6.1	1.9			1421	6.4	2.0			1332	6.4	2.0			
	2040	-0.9	-0.3			2000	-0.1	0.0			2200	-0.3	-0.1			2048	0.0	0.0			2034	-0.5	-0.2			1937	-0.1	0.0			
4	0251	6.7	2.0		19	0208	6.3	1.9		4	0414	6.5	2.0		19	0303	6.6	2.0		4	0243	6.8	2.1		19	0150	7.0	2.1			
Tu	0906	-0.4	-0.1		W	0819	0.3	0.1		-F	1039	-0.3	-0.1		Sa	0925	0.0	0.0		F	0908	-0.6	-0.2		Sa	0811	-0.4	-0.1			
	1514	6.7	2.0			1422	6.3	1.9			1645	5.7	1.7			1530	5.9	1.8			1512	6.0	1.8			1418	6.2	1.9			
	2135	-0.6	-0.2			2040	0.0	0.0			2258	0.0	0.0			2139	0.2	0.1			2125	-0.1	0.0			2023	0.1	0.0			
5	0350	6.6	2.0		20	0249	6.3	1.9		5	0513	6.3	1.9		20	0357	6.5	2.0		5	0335	6.5	2.0		20	0237	6.8	2.1			
W	1009	-0.3	-0.1		Th	0904	0.3	0.1		Sa	1141	-0.1	0.0		Su	1025	0.1	0.0		Sa	1003	-0.2	-0.1		Su	0904	-0.1	0.0			
	1615	6.3	1.9			1509	6.1	1.9			1746	5.5	1.7			1630	5.6	1.7			1608	5.7	1.7			1512	5.9	1.8			
	2234	-0.4	-0.1			2122	0.1	0.0			2356	0.2	0.1			2238	0.4	0.1			2220	0.3	0.1			2117	0.4	0.1			
6	0449	6.5	2.0		21	0337	6.4	2.0		6	0610	6.2	1.9		21	0454	6.5	2.0		6	0431	6.2	1.9		21	0333	6.7	2.0			
Th	1111	-0.2	-0.1		F	0954	0.3	0.1		Su	1240	0.0	0.0		M	1130	0.1	0.0		Su	1101	0.2	0.1		M	1005	0.1	0.0			
	1718	6.0	1.8			1559	5.9	1.8			1847	5.4	1.6			1736	5.6	1.7			1708	5.5	1.7			1614	5.8	1.8			
	2333	-0.1	0.0			2213	0.2	0.1							2345	0.4	0.1			2317	0.6	0.2			2221	0.6	0.2				
7	0549	6.5	2.0		22	0428	6.4	2.0		7	0052	0.4	0.1		22	0603	6.5	2.0		7	0531	6.1	1.9		22	0439	6.5	2.0			
F	1214	-0.2	-0.1		Sa	1055	0.3	0.1		M	0708	6.3	1.9		Tu	1239	0.0	0.0		M	1159	0.4	0.1		Tu	1114	0.2	0.1			
	1820	5.8	1.8			1656	5.7	1.7			1337	0.1	0.0			1844	5.7	1.7			1807	5.4	1.6			1722	5.7	1.7			
						2309	0.3	0.1			1943	5.5	1.7												2334	0.6	0.2				
8	0032	0.0	0.0		23	0527	6.5	2.0		8	0148	0.4	0.1		23	0055	0.3	0.1		8	0017	0.8	0.2		23	0549	6.5	2.0			
Sa	0648	6.6	2.0		Su	1156	0.1	0.0		Tu	0801	6.4	2.0		W	0711	6.7	2.0		Tu	0630	6.1	1.9		W	1223	0.1	0.0			
	1315	-0.2	-0.1			1759	5.6	1.7			1428	0.0	0.0			1344	-0.3	-0.1			1259	0.5	0.2			1831	5.9	1.8			
	1919	5.7	1.7							2033	5.6	1.7			1951	5.9	1.8			1904	5.5	1.7									
9	0126	0.0	0.0		24	0009	0.2	0.1		9	0238	0.3	0.1		24	0201	0.0	0.0		9	0114	0.8	0.2		24	0045	0.5	0.2			
Su	0740	6.6	2.0		M	0627	6.6	2.0		W	0851	6.5	2.0		Th	0814	7.0	2.1		W	0725	6.2	1.9		Th	0658	6.6	2.0			
	1408	-0.3	-0.1			1300	-0.1	0.0			1515	-0.1	0.0			1444	-0.6	-0.2			1352	0.4	0.1			1329	-0.1	0.0			
	2014	5.7	1.7			1904	5.7	1.7			2118	5.8	1.8			2051	6.3	1.9			1957	5.7	1.7			1938	6.2	1.9			
10	0217	0.1	0.0		25	0111	0.1	0.0		10	0323	0.2	0.1		25	0302	-0.4	-0.1		10	0207	0.7	0.2		25	0152	0.1	0.0			
M	0831	6.7	2.0		Tu	0729	6.9	2.1		Th	0932	6.7	2.0		F	0915	7.3	2.2		Th	0817	6.4	2.0		F	0804	6.9	2.1			
	1459	-0.4	-0.1			1401	-0.5	-0.2			1556	-0.2	-0.1			1540	-1.0	-0.3			1438	0.3	0.1			1428	-0.4	-0.1			
	2102	5.8	1.8			2006	5.9	1.8			2200	6.0	1.8			2147	6.7	2.0			2044	6.0	1.8			2038	6.7	2.0			
11	0305	0.1	0.0		26	0214	-0.2	-0.1		11	0406	0.1	0.0		26	0358	-0.9	-0.3		11	0254	0.5	0.2		26	0252	-0.4	-0.1			
Tu	0917	6.8	2.1		W	0828	7.2	2.2		F	1012	6.8	2.1		Sa	1011	7.5	2.3		F	0902	6.5	2.0		Sa	0903	7.1	2.2			
	1544	-0.4	-0.1			1500	-0.8	-0.2			1634	-0.3	-0.1			1633	-1.3	-0.4			1521	0.1	0.0			1523	-0.7	-0.2			
	2145	5.9	1.8			2105	6.2	1.9			2237	6.2	1.9			2239	7.1	2.2			2126	6.3	1.9			2131	7.1	2.2			
12	0348	0.0	0.0		27	0313	-0.5	-0.2		12	0443	0.0	0.0		27	0453	-1.2	-0.4		12	0336	0.2	0.1		27	0347	-0.9	-0.3			
W	0958	6.9	2.1		Th	0927	7.4	2.3		Sa	1051	6.8	2.1		Su	1103	7.6	2.3		Sa	0944	6.7	2.0		Su	0956	7.3	2.2			
	1624	-0.5	-0.2			1556	-1.2	-0.4			1710	-0.4	-0.1			1722	-1.4	-0.4			1600	-0.1	0.0			1612	-1.0	-0.3			
	2226	6.0	1.8			2203	6.5	2.0			2313	6.4	2.0			2329	7.3	2.2			2204	6.5	2.0			2219	7.4	2.3			
13	0429	0.1	0.0		28	0410	-0.8	-0.2		13	0520	-0.1	0.0		28	0544	-1.4	-0.4		13	0416	0.0	0.0		28	0438	-1.3	-0.4			
Th	1038	6.9	2.1		F	1022	7.6	2.3		Su	1126	6.9	2.1		M	1153	7.5	2.3		Su	1021	6.8	2.1		M	1047	7.3	2.2			
	1701	-0.4	-0.1			1650	-1.4	-0.4			1745	-0.4	-0.1			1809	-1.4	-0.4			1637	-0.2	-0.1			1701	-1.1	-0.3			
	2303	6.1	1.9			2256	6.8	2.1			2347	6.5	2.0								2241	6.7	2.0			2308	7.5	2.3			
14	0508	0.1	0.0		29	0505	-1.0	-0.3		14	0557	-0.2	-0.1		14	0544	-0.3	-0.1		14	0453	-0.3	-0.1		14	0527	-1.4	-0.4			
F	1114	6.9	2.1		Sa	1116	7.7	2.3		M	1202	6.8	2.1		M	1058	6.9	2.1		M	1058	6.9	2.1		Tu	1136	7.2	2.2			
	1737	-0.4	-0.1			1741	-1.5	-0.5			1818	-0.4	-0.1			1712	-0.3	-0.1			1712	-0.3	-0.1			1745	-1.0	-0.3			
	2340	6.2	1.9			2349	7.0	2.1							2316	6.9	2.1			2316	6.9	2.1			2353	7.5	2.3				
15	0544	0.1	0.0		30	0558	-1.2	-0.4		15	0022	6.6	2.0		15	0530	-0.4	-0.1		15	0530	-0.4	-0.1		15	0614	-1.4	-0.4			
Sa	1150	6.9	2.1		Su	1209	7.6	2.3		Tu	0633	-0.2	-0.1		Tu	1133	6.9	2.1		Tu	1133	6.9	2.1		W	1222	7.0	2.1			
	1813	-0.3	-0.1			1832	-1.5	-0.5			1237	6.7	2.0			1746	-0.4	-0.1			1746	-0.4									

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				Time				Time				Time				Time			
Day		Height		Day		Height		Day		Height		Day		Height		Day		Height	
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								
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	-0.7	-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
												31	0150	6.8	2.1				
												Tu	0816	0.3	0.1				
													1424	6.2	1.9				
													2032	1.1	0.3				

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

JANUARY

Day	Time			Height			Day	Time			Height		
	h	m	ft	m				h	m	ft	m		
1	0016	7.2	2.2				16	0021	6.5	2.0			
Sa	0644	-0.8	-0.2				Su	0626	0.2	0.1			
	1224	8.1	2.5					1212	7.0	2.1			
	1935	-1.6	-0.5					1901	-0.2	-0.1			
2	0113	7.2	2.2				17	0042	6.6	2.0			
Su	0746	-0.7	-0.2				M	0656	0.2	0.1			
	1322	7.8	2.4					1247	7.1	2.2			
	2031	-1.4	-0.4					1921	-0.2	-0.1			
3	0215	7.2	2.2				18	0113	6.8	2.1			
M	0849	-0.6	-0.2				Tu	0731	0.2	0.1			
	1427	7.4	2.3					1324	7.0	2.1			
	2128	-1.1	-0.3					1954	-0.1	0.0			
4	0318	7.1	2.2				19	0153	6.9	2.1			
Tu	0955	-0.5	-0.2				W	0812	0.2	0.1			
	1541	7.0	2.1					1407	6.9	2.1			
	2227	-0.7	-0.2					2033	-0.1	0.0			
5	0427	7.0	2.1				20	0235	7.0	2.1			
W	1100	-0.4	-0.1				Th	0857	0.2	0.1			
	1654	6.6	2.0					1456	6.7	2.0			
	2327	-0.5	-0.2					2116	0.0	0.0			
6	0531	7.0	2.1				21	0324	7.0	2.1			
Th	1205	-0.4	-0.1				F	0949	0.3	0.1			
	1802	6.4	2.0					1547	6.5	2.0			
								2206	0.1	0.0			
7	0027	-0.3	-0.1				22	0416	7.1	2.2			
F	0633	7.0	2.1				Sa	1047	0.3	0.1			
	1305	-0.4	-0.1					1644	6.2	1.9			
	1905	6.3	1.9					2259	0.2	0.1			
8	0123	-0.1	0.0				23	0512	7.1	2.2			
Sa	0731	7.1	2.2				Su	1153	0.2	0.1			
	1403	-0.5	-0.2					1747	6.1	1.9			
	2001	6.3	1.9										
9	0216	-0.1	0.0				24	0001	0.3	0.1			
Su	0824	7.1	2.2				M	0614	7.2	2.2			
	1455	-0.6	-0.2					1325	0.0	0.0			
	2055	6.3	1.9					1855	6.1	1.9			
10	0307	-0.1	0.0				25	0107	0.2	0.1			
M	0914	7.2	2.2				Tu	0717	7.3	2.2			
	1543	-0.7	-0.2					1450	-0.4	-0.1			
	2143	6.4	2.0					2005	6.3	1.9			
11	0352	0.0	0.0				26	0227	0.0	0.0			
Tu	1000	7.2	2.2				W	0824	7.6	2.3			
	1629	-0.7	-0.2					1551	-0.9	-0.3			
	2228	6.4	2.0					2117	6.6	2.0			
12	0433	0.0	0.0				27	0346	-0.3	-0.1			
W	1041	7.2	2.2				Th	0927	7.8	2.4			
	1710	-0.7	-0.2					1649	-1.3	-0.4			
	2309	6.5	2.0					2220	6.9	2.1			
13	0513	0.1	0.0				28	0449	-0.7	-0.2			
Th	1116	7.1	2.2				F	1030	8.0	2.4			
	1747	-0.6	-0.2					1740	-1.6	-0.5			
	2345	6.5	2.0					2316	7.3	2.2			
14	0545	0.2	0.1				29	0547	-1.0	-0.3			
F	1141	7.0	2.1				Sa	1129	8.1	2.5			
	1822	-0.4	-0.1					1830	-1.8	-0.5			
15	0012	6.5	2.0				30	0010	7.5	2.3			
Sa	0608	0.2	0.1				Su	0643	-1.2	-0.4			
	1149	7.0	2.1					1224	8.0	2.4			
	1845	-0.3	-0.1					1919	-1.7	-0.5			
							31	0102	7.6	2.3			
							M	0738	-1.2	-0.4			
								1320	7.8	2.4			
								2007	-1.5	-0.5			

FEBRUARY

Day	Time			Height			Day	Time			Height		
	h	m	ft	m				h	m	ft	m		
1	0156	7.5	2.3				16	0045	7.2	2.2			
Tu	0831	-1.1	-0.3				W	0709	-0.2	-0.1			
	1415	7.4	2.3					1300	7.2	2.2			
	2100	-1.1	-0.3					1924	-0.3	-0.1			
2	0252	7.3	2.2				17	0122	7.4	2.3			
W	0929	-0.8	-0.2				Th	0748	-0.2	-0.1			
	1516	6.9	2.1					1345	7.1	2.2			
	2153	-0.7	-0.2					2003	-0.3	-0.1			
3	0350	7.1	2.2				18	0206	7.4	2.3			
Th	1030	-0.5	-0.2				F	0831	-0.2	-0.1			
	1624	6.5	2.0					1431	6.9	2.1			
	2248	-0.3	-0.1					2046	-0.1	0.0			
4	0453	6.9	2.1				19	0254	7.4	2.3			
F	1131	-0.3	-0.1				Sa	0922	0.0	0.0			
	1728	6.2	1.9					1523	6.6	2.0			
	2349	0.1	0.0					2134	0.1	0.0			
5	0556	6.8	2.1				20	0345	7.3	2.2			
Sa	1233	-0.1	0.0				Su	1018	0.2	0.1			
	1831	6.0	1.8					1619	6.3	1.9			
								2230	0.3	0.1			
6	0048	0.3	0.1				21	0443	7.2	2.2			
Su	0659	6.7	2.0				M	1127	0.3	0.1			
	1331	-0.1	0.0					1724	6.1	1.9			
	1931	6.0	1.8					2333	0.5	0.2			
7	0144	0.4	0.1				22	0548	7.1	2.2			
M	0756	6.8	2.1				Tu	1323	0.2	0.1			
	1427	-0.1	0.0					1838	6.0	1.8			
	2027	6.1	1.9										
8	0237	0.4	0.1				23	0057	0.5	0.2			
Tu	0847	6.9	2.1				W	0700	7.1	2.2			
	1517	-0.2	-0.1					1442	-0.2	-0.1			
	2117	6.2	1.9					2002	6.3	1.9			
9	0327	0.4	0.1				24	0242	0.2	0.1			
W	0936	7.0	2.1				Th	0821	7.3	2.2			
	1603	-0.3	-0.1					1541	-0.7	-0.2			
	2204	6.4	2.0					2117	6.7	2.0			
10	0410	0.3	0.1				25	0351	-0.3	-0.1			
Th	1018	7.0	2.1				F	0932	7.6	2.3			
	1644	-0.3	-0.1					1635	-1.2	-0.4			
	2245	6.5	2.0					2217	7.2	2.2			
11	0450	0.2	0.1				26	0449	-0.9	-0.3			
F	1055	7.1	2.2				Sa	1034	7.9	2.4			
	1722	-0.3	-0.1					1725	-1.5	-0.5			
	2320	6.6	2.0					2308	7.6	2.3			
12	0525	0.1	0.0				27	0540	-1.2	-0.4			
Sa	1121	7.0	2.1				Su	1127	8.0	2.4			
	1754	-0.3	-0.1					1811	-1.6	-0.5			
	2342	6.7	2.0					2357	7.8	2.4			
13	0550	0.1	0.0				28	0631	-1.4	-0.4			
Su	1130	7.1	2.2				M	1218	8.0	2.4			
	1816	-0.3	-0.1					1858	-1.6	-0.5			
	2350	6.8	2.1										
14	0610	0.0	0.0				29	0525	-0.1	0.0			
M	1150	7.1	2.2				W	1102	7.2	2.2			
	1832	-0.3	-0.1					1740	-0.2	-0.1			
								2313	7.2	2.2			
15	0013	7.0	2.1				30	0548	-0.3	-0.1			
Tu	0636	-0.1	0.0				Tu	1126	7.3	2.2			
	1222	7.2	2.2					1757	-0.3	-0.1			
	1854	-0.3	-0.1					2340	7.5	2.3			

MARCH

Day	Time		Height		Day	Time		Height	
	h	m	ft	m		h	m	ft	m
1	0042	7.9	2.4		16	0616	-0.4	-0.1	
Tu	0719	-1.4	-0.4		W	1201	7.3	2.2	
	1305	7.7	2.3			1824	-0.3	-0.1	
	1942	-1.3	-0.4						
2	0130	7.8	2.4		17	0015	7.7	2.3	
W	0810	-1.2	-0.4		Th	0648	-0.5	-0.2	
	1356	7.3	2.2			1239	7.3	2.2	
	2027	-0.9	-0.3			1857	-0.3	-0.1	
3	0217	7.5	2.3		18	0057	7.8	2.4	
Th	0900	-0.9	-0.3		F	0729	-0.5	-0.2	
	1449	6.9	2.1			1322	7.2	2.2	
	2113	-0.4	-0.1			1938	-0.2	-0.1	
4	0309	7.2	2.2		19	0140	7.8	2.4	
F	0955	-0.4	-0.1		Sa	0811	-0.3	-0.1	
	1547	6.5	2.0			1409	6.9	2.1	
	2203	0.1	0.0			2022	0.0	0.0	
5	0409	6.8	2.1		20	0227	7.7	2.3	
Sa	1054	0.0	0.0		Su	0902	-0.1	0.0	
	1651	6.1	1.9			1502	6.6	2.0	
	2301	0.5	0.2			2113	0.3	0.1	
6	0515	6.6	2.0		21	0322	7.4	2.3	
Su	1156	0.3	0.1		M	1003	0.2	0.1	
	1756	5.9	1.8			1601	6.3	1.9	
						2211	0.7	0.2	
7	0006	0.9	0.3		22	0424	7.1	2.2	
M	0619	6.4	2.0		Tu	1130	0.5	0.2	
	1256	0.5	0.2			1712	6.2	1.9	
	1857	5.9	1.8			2327	0.9	0.3	
8	0106	1.0	0.3		23	0533	7.0	2.1	
Tu	0723	6.5	2.0		W	1320	0.3	0.1	
	1352	0.5	0.2			1840	6.2	1.9	
	1956	6.1	1.9						
9	0205	0.9	0.3		24	0131	0.7	0.2	
W	0818	6.6	2.0		Th	0702	7.0	2.1	
	1443	0.4	0.1			1429	-0.1	0.0	
	2047	6.3	1.9			2010	6.6	2.0	
10	0255	0.8	0.2		25	0247	0.2	0.1	
Th	0906	6.8	2.1		F	0832	7.2	2.2	
	1529	0.3	0.1			1527	-0.6	-0.2	
	2133	6.5	2.0			2111	7.1	2.2	
11	0340	0.6	0.2		26	0346	-0.5	-0.2	
F	0951	6.9	2.1		Sa	0935	7.6	2.3	
	1610	0.1	0.0			1617	-1.0	-0.3	
	2212	6.7	2.0			2204	7.6	2.3	
12	0420	0.3	0.1		27	0439	-1.0	-0.3	
Sa	1026	7.0	2.1		Su	1029	7.8	2.4	
	1648	0.0	0.0			1705	-1.2	-0.4	
	2244	6.9	2.1			2253	7.9	2.4	
13	0456	0.1	0.0		28	0527	-1.4	-0.4	
Su	1049	7.1	2.2		M	1118	7.9	2.4	
	1721	-0.1	0.0			1750	-1.3	-0.4	
	2302	7.0	2.1			2338	8.1	2.5	
14	0525	-0.1	0.0		29	0614	-1.5	-0.5	
M	1102	7.2	2.2		Tu	1204	7.8	2.4	
	1740	-0.2	-0.1			1833	-1.2	-0.4	
	2313	7.2	2.2						
15	0548	-0.3	-0.1		30	0721	8.0	2.4	
Tu	1126	7.3	2.2		W	0001	-1.4	-0.4	
	1757	-0.3	-0.1			1249	7.5	2.3	
	2340	7.5	2.3			1912	-0.9	-0.3	
16	0616	-0.4	-0.1		31	0103	7.9	2.4	
W	1201	7.3	2.2		Th	0745	-1.1	-0.3	
	1824	-0.3	-0.1			1332	7.2	2.2	
						1954	-0.5	-0.2	

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 0321 -0.9 -0.3		16 0332 -0.1 0.0		1 0450 -0.8 -0.2		16 0416 -0.1 0.0		1 0343 -1.1 -0.3		16 0326 -0.4 -0.1	
Sa 0940 5.5 1.7		Su 0941 4.4 1.3		Tu 1112 5.0 1.5		W 1024 4.2 1.3		Tu 0957 5.1 1.6		W 0922 4.5 1.4	
1607 -1.3 -0.4		1608 -0.4 -0.1		1720 -1.0 -0.3		1635 -0.2 -0.1		1606 -1.1 -0.3		1540 -0.3 -0.1	
2219 4.4 1.3		2215 3.6 1.1		2346 4.6 1.4		2248 4.0 1.2		2224 5.0 1.5		2140 4.6 1.4	
2 0414 -0.8 -0.2		17 0403 0.1 0.0		2 0544 -0.5 -0.2		17 0445 0.0 0.0		2 0429 -0.9 -0.3		17 0359 -0.3 -0.1	
Su 1037 5.3 1.6		M 1016 4.3 1.3		W 1204 4.6 1.4		Th 1056 4.1 1.2		W 1047 4.8 1.5		Th 0955 4.3 1.3	
1656 -1.1 -0.3		1640 -0.2 -0.1		1810 -0.6 -0.2		1701 -0.1 0.0		1651 -0.8 -0.2		1608 -0.2 -0.1	
2317 4.4 1.3		2253 3.6 1.1				2325 4.1 1.2		2315 4.9 1.5		2214 4.6 1.4	
3 0507 -0.6 -0.2		18 0432 0.2 0.1		3 0039 4.5 1.4		18 0520 0.1 0.0		3 0517 -0.5 -0.2		18 0432 -0.2 -0.1	
M 1136 5.0 1.5		Tu 1049 4.1 1.2		Th 0641 -0.1 0.0		F 1133 3.9 1.2		Th 1136 4.5 1.4		F 1036 4.2 1.3	
1749 -0.9 -0.3		1707 -0.1 0.0		1255 4.2 1.3		1728 0.0 0.0		1733 -0.4 -0.1		1635 -0.1 0.0	
		2328 3.6 1.1		1906 -0.3 -0.1						2256 4.6 1.4	
4 0015 4.4 1.3		19 0502 0.3 0.1		4 0129 4.4 1.3		19 0007 4.2 1.3		4 0005 4.7 1.4		19 0509 -0.1 0.0	
Tu 0607 -0.3 -0.1		W 1124 4.0 1.2		F 0746 0.2 0.1		Sa 0605 0.3 0.1		F 0607 -0.1 0.0		Sa 1117 4.0 1.2	
1231 4.7 1.4		1736 0.0 0.0		1349 3.8 1.2		1221 3.7 1.1		1225 4.1 1.2		1706 0.1 0.0	
1847 -0.6 -0.2				2008 0.0 0.0		1812 0.1 0.0		1823 0.0 0.0		2344 4.6 1.4	
5 0109 4.3 1.3		20 0007 3.7 1.1		5 0222 4.2 1.3		20 0058 4.2 1.3		5 0053 4.4 1.3		20 0557 0.2 0.1	
W 0714 0.0 0.0		Th 0536 0.4 0.1		Sa 0851 0.3 0.1		Su 0724 0.4 0.1		Sa 0706 0.3 0.1		Su 1213 3.8 1.2	
1324 4.4 1.3		1203 3.9 1.2		1441 3.5 1.1		1316 3.6 1.1		1316 3.7 1.1		1749 0.3 0.1	
1948 -0.4 -0.1		1807 0.1 0.0		2108 0.2 0.1		1916 0.3 0.1		1920 0.4 0.1			
6 0204 4.3 1.3		21 0044 3.8 1.2		6 0318 4.1 1.2		21 0157 4.3 1.3		6 0143 4.2 1.3		21 0039 4.5 1.4	
Th 0823 0.1 0.0		F 0631 0.5 0.2		Su 0951 0.3 0.1		M 0858 0.4 0.1		Su 0814 0.5 0.2		M 0713 0.4 0.1	
1420 4.0 1.2		1249 3.7 1.1		1541 3.3 1.0		1424 3.5 1.1		1407 3.4 1.0		1314 3.6 1.1	
2047 -0.3 -0.1		1855 0.2 0.1		2202 0.2 0.1		2057 0.3 0.1		2028 0.6 0.2		1859 0.5 0.2	
7 0258 4.3 1.3		22 0131 3.9 1.2		7 0417 4.0 1.2		22 0308 4.4 1.3		7 0237 4.0 1.2		22 0143 4.5 1.4	
F 0925 0.1 0.0		Sa 0804 0.5 0.2		M 1046 0.2 0.1		Tu 1009 0.1 0.0		M 0918 0.6 0.2		Tu 0842 0.4 0.1	
1518 3.8 1.2		1340 3.6 1.1		1645 3.3 1.0		1548 3.5 1.1		1507 3.2 1.0		1424 3.6 1.1	
2143 -0.2 -0.1		2012 0.2 0.1		2254 0.2 0.1		2215 0.1 0.0		2130 0.7 0.2		2051 0.5 0.2	
8 0356 4.3 1.3		23 0227 4.1 1.2		8 0513 4.1 1.2		23 0427 4.6 1.4		8 0335 3.9 1.2		23 0256 4.5 1.4	
Sa 1023 0.1 0.0		Su 0927 0.4 0.1		Tu 1137 0.1 0.0		W 1111 -0.2 -0.1		Tu 1015 0.5 0.2		W 0953 0.2 0.1	
1617 3.6 1.1		1444 3.5 1.1		1742 3.4 1.0		1707 3.7 1.1		1612 3.2 1.0		1543 3.7 1.1	
2233 -0.2 -0.1		2126 0.1 0.0		2342 0.1 0.0		2318 -0.2 -0.1		2225 0.6 0.2		2205 0.3 0.1	
9 0453 4.3 1.3		24 0336 4.3 1.3		9 0603 4.3 1.3		24 0534 4.9 1.5		9 0438 3.9 1.2		24 0412 4.6 1.4	
Su 1115 0.0 0.0		M 1031 0.1 0.0		W 1224 0.0 0.0		Th 1208 -0.5 -0.2		W 1106 0.4 0.1		Th 1052 -0.1 0.0	
1715 3.5 1.1		1603 3.5 1.1		1832 3.5 1.1		1811 4.1 1.2		1711 3.4 1.0		1655 4.0 1.2	
2320 -0.2 -0.1		2231 -0.1 0.0						2319 0.5 0.2		2309 0.0 0.0	
10 0543 4.5 1.4		25 0446 4.6 1.4		10 0030 0.0 0.0		25 0017 -0.5 -0.2		10 0532 4.1 1.2		25 0521 4.8 1.5	
M 1202 -0.1 0.0		Tu 1128 -0.3 -0.1		Th 0648 4.4 1.3		F 0635 5.2 1.6		Th 1154 0.2 0.1		F 1147 -0.5 -0.2	
1806 3.6 1.1		1718 3.7 1.1		1309 -0.2 -0.1		1301 -0.9 -0.3		1803 3.6 1.1		1755 4.5 1.4	
		2331 -0.4 -0.1		1914 3.7 1.1		1904 4.5 1.4					
11 0006 -0.2 -0.1		26 0550 5.0 1.5		11 0115 -0.1 0.0		26 0112 -0.8 -0.2		11 0006 0.3 0.1		26 0006 -0.4 -0.1	
Tu 0631 4.6 1.4		W 1224 -0.6 -0.2		F 0728 4.6 1.4		Sa 0726 5.4 1.6		F 0623 4.3 1.3		Sa 0619 5.1 1.6	
1248 -0.2 -0.1		1822 3.9 1.2		1351 -0.4 -0.1		1351 -1.1 -0.3		1239 0.0 0.0		1238 -0.7 -0.2	
1853 3.6 1.1				1955 3.8 1.2		1955 4.8 1.5		1848 3.9 1.2		1848 4.9 1.5	
12 0052 -0.2 -0.1		27 0027 -0.6 -0.2		12 0158 -0.2 -0.1		27 0206 -1.1 -0.3		12 0051 0.1 0.0		27 0059 -0.7 -0.2	
W 0711 4.6 1.4		Th 0646 5.3 1.6		Sa 0808 4.6 1.4		Su 0817 5.5 1.7		Sa 0701 4.5 1.4		Su 0709 5.2 1.6	
1335 -0.3 -0.1		1319 -0.9 -0.3		1432 -0.5 -0.2		1438 -1.3 -0.4		1321 -0.2 -0.1		1327 -0.9 -0.3	
1934 3.7 1.1		1918 4.2 1.3		2032 3.9 1.2		2045 5.0 1.5		1927 4.1 1.2		1938 5.2 1.6	
13 0136 -0.2 -0.1		28 0125 -0.9 -0.3		13 0237 -0.2 -0.1		28 0256 -1.2 -0.4		13 0133 -0.1 0.0		28 0150 -0.9 -0.3	
Th 0751 4.7 1.4		F 0740 5.5 1.7		Su 0844 4.6 1.4		M 0906 5.4 1.6		Su 0741 4.6 1.4		M 0758 5.3 1.6	
1416 -0.4 -0.1		1411 -1.2 -0.4		1508 -0.5 -0.2		1523 -1.3 -0.4		1400 -0.4 -0.1		1413 -1.0 -0.3	
2016 3.7 1.1		2010 4.5 1.4		2107 4.0 1.2		2134 5.1 1.6		2003 4.3 1.3		2023 5.4 1.6	
14 0218 -0.2 -0.1		29 0219 -1.1 -0.3		14 0313 -0.2 -0.1				14 0213 -0.3 -0.1		29 0237 -1.0 -0.3	
F 0829 4.6 1.4		Sa 0832 5.6 1.7		M 0919 4.5 1.4				M 0815 4.6 1.4		Tu 0844 5.2 1.6	
1457 -0.5 -0.2		1500 -1.4 -0.4		1542 -0.5 -0.2				1437 -0.4 -0.1		1457 -1.0 -0.3	
2057 3.7 1.1		2105 4.6 1.4		2142 4.0 1.2				2036 4.4 1.3		2107 5.4 1.6	
15 0256 -0.1 0.0		30 0310 -1.1 -0.3		15 0347 -0.2 -0.1				15 0251 -0.4 -0.1		30 0323 -0.9 -0.3	
Sa 0906 4.6 1.4		Su 0925 5.5 1.7		Tu 0947 4.4 1.3				Tu 0850 4.6 1.4		W 0932 4.9 1.5	
1534 -0.5 -0.2		1547 -1.4 -0.4		1611 -0.4 -0.1				1510 -0.4 -0.1		1538 -0.8 -0.2	
2136 3.6 1.1		2158 4.7 1.4		2216 4.0 1.2				2108 4.5 1.4		2155 5.2 1.6	
		31 0400 -1.0 -0.3								31 0408 -0.7 -0.2	
		M 1019 5.3 1.6								Th 1019 4.6 1.4	
		1634 -1.2 -0.4								1618 -0.5 -0.2	
		2253 4.7 1.4								2241 5.0 1.5	

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				Time				Time				Time				Time				Time				Time				Time				Time											
Day	Height			Day	Height			Day	Height			Day	Height			Day	Height			Day	Height			Day	Height			Day	Height			Day	Height										
	h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft								
1	0610	0.6	0.2	16	0057	5.0	1.5	1	0029	4.2	1.3	16	0221	4.2	1.3	1	0147	3.9	1.2	16	0354	3.7	1.1	1	0109	1.0	0.3	16	0455	3.8	1.2	1	0146	3.8	1.2								
F	1244	3.9	1.2	Sa	0714	-0.1	0.0	M	0626	0.7	0.2	Tu	0840	0.6	0.2	Th	0757	0.9	0.3	F	1009	1.0	0.3	Sa	1100	0.9	0.3	17	0455	3.8	1.2	Th	0747	1.0	0.3								
	1805	1.2	0.4		1336	5.1	1.6		1311	4.5	1.4		1454	4.9	1.5		1432	4.9	1.5		1618	4.5	1.4		1547	5.0	1.5		1715	4.6	1.4		1418	4.8	1.5								
					1951	0.5	0.2		1931	1.2	0.4		2130	0.7	0.2		2142	0.8	0.2		2249	0.7	0.2		2243	0.5	0.2		2337	0.5	0.2		2124	0.7	0.2								
2	0032	4.2	1.3	17	0151	4.7	1.4	2	0115	4.0	1.2	17	0320	3.9	1.2	2	0306	3.8	1.2	17	0455	3.8	1.2	3	0430	4.0	1.2	18	0547	4.1	1.2	3	0539	4.4	1.3								
Sa	0655	0.7	0.2	Su	0813	0.1	0.0	Tu	0722	0.8	0.2	W	0939	0.7	0.2	F	0935	0.8	0.2	Sa	1100	0.9	0.3	Su	1145	0.2	0.1	Th	1147	0.7	0.2	M	0632	4.3	1.3	4	0539	4.4	1.3				
	1322	4.0	1.2		1428	5.0	1.5		1402	4.6	1.4		1553	4.8	1.5		1547	5.0	1.5		1715	4.6	1.4		1801	5.6	1.7		1802	4.8	1.5		1232	0.6	0.2	19	0022	0.3	0.1				
	1919	1.3	0.4		2057	0.5	0.2		2059	1.1	0.3		2226	0.7	0.2		2243	0.5	0.2		2337	0.5	0.2		2338	0.1	0.0						1845	4.9	1.5	20	0104	0.1	0.0				
3	0110	4.1	1.2	18	0247	4.3	1.3	3	0211	3.9	1.2	18	0422	3.8	1.2	3	0430	4.0	1.2	18	0547	4.1	1.2	4	0539	4.4	1.3	19	0022	0.3	0.1	4	0539	4.4	1.3	20	0104	0.1	0.0				
Su	0750	0.7	0.2	M	0912	0.2	0.1	W	0841	0.8	0.2	Th	1031	0.7	0.2	Sa	1044	0.5	0.2	Su	1147	0.7	0.2	Th	1147	0.7	0.2	19	0022	0.3	0.1	4	0539	4.4	1.3	20	0104	0.1	0.0				
	1404	4.2	1.3		1527	5.0	1.5		1458	4.8	1.5		1652	4.8	1.5		1700	5.3	1.6		1802	4.8	1.5		1801	5.6	1.7		1802	4.8	1.5		1232	0.6	0.2	20	0104	0.1	0.0				
	2037	1.2	0.4		2156	0.5	0.2		2205	0.8	0.2		2318	0.6	0.2		2338	0.1	0.0						2338	0.1	0.0						1845	4.9	1.5	21	0143	0.0	0.0				
4	0159	4.0	1.2	19	0347	4.1	1.2	4	0321	3.9	1.2	19	0522	3.9	1.2	4	0539	4.4	1.3	19	0022	0.3	0.1	4	0539	4.4	1.3	19	0022	0.3	0.1	4	0539	4.4	1.3	21	0143	0.0	0.0				
M	0847	0.7	0.2	Tu	1005	0.3	0.1	Th	0953	0.6	0.2	F	1122	0.7	0.2	Su	1145	0.2	0.1	19	0022	0.3	0.1	4	0539	4.4	1.3	19	0022	0.3	0.1	4	0539	4.4	1.3	21	0143	0.0	0.0				
	1450	4.4	1.3		1623	5.0	1.5		1609	5.0	1.5		1745	4.9	1.5		1801	5.6	1.7		1845	4.9	1.5		1801	5.6	1.7		1845	4.9	1.5		1845	4.9	1.5	21	0143	0.0	0.0				
	2140	1.0	0.3		2252	0.4	0.1		2303	0.5	0.2																								1845	4.9	1.5	21	0143	0.0	0.0		
5	0255	3.9	1.2	20	0449	4.0	1.2	5	0441	4.0	1.2	20	0006	0.4	0.1	5	0032	-0.3	-0.1	20	0104	0.1	0.0	5	0032	-0.3	-0.1	20	0104	0.1	0.0	5	0032	-0.3	-0.1	20	0104	0.1	0.0				
Tu	0941	0.6	0.2	W	1056	0.3	0.1	F	1056	0.4	0.1	Sa	0614	4.0	1.2	M	0635	4.9	1.5	20	0104	0.1	0.0	5	0032	-0.3	-0.1	20	0104	0.1	0.0	5	0032	-0.3	-0.1	20	0104	0.1	0.0				
	1546	4.7	1.4		1718	5.1	1.6		1715	5.4	1.6		1211	0.6	0.2		1243	-0.2	-0.1		1315	0.4	0.1		1243	-0.2	-0.1		1315	0.4	0.1		1315	0.4	0.1		1315	0.4	0.1	21	0143	0.0	0.0
	2234	0.7	0.2		2342	0.3	0.1		2358	0.1	0.0		1830	5.0	1.5		1856	5.8	1.8		1923	5.0	1.5		1856	5.8	1.8		1923	5.0	1.5		1923	5.0	1.5		1923	5.0	1.5	21	0143	0.0	0.0
6	0401	3.9	1.2	21	0545	4.0	1.2	6	0550	4.2	1.3	21	0053	0.3	0.1	6	0123	-0.6	-0.2	21	0143	0.0	0.0	6	0123	-0.6	-0.2	21	0143	0.0	0.0	6	0123	-0.6	-0.2	21	0143	0.0	0.0				
W	1030	0.4	0.1	Th	1145	0.4	0.1	Sa	1155	0.2	0.1	Su	0659	4.2	1.3	Tu	0727	5.2	1.6	21	0143	0.0	0.0	6	0123	-0.6	-0.2	21	0143	0.0	0.0	6	0123	-0.6	-0.2	21	0143	0.0	0.0				
	1644	5.0	1.5		1808	5.2	1.6		1816	5.7	1.7		1257	0.5	0.2		1338	-0.4	-0.1		1357	0.2	0.1		1338	-0.4	-0.1		1357	0.2	0.1		1357	0.2	0.1		1357	0.2	0.1	21	0143	0.0	0.0
	2329	0.4	0.1										1912	5.1	1.6		1947	6.0	1.8		1958	5.0	1.5		1947	6.0	1.8		1958	5.0	1.5		1958	5.0	1.5		1958	5.0	1.5	21	0143	0.0	0.0
7	0509	4.0	1.2	22	0032	0.2	0.1	7	0053	-0.2	-0.1	22	0135	0.1	0.0	7	0211	-0.8	-0.2	22	0219	0.0	0.0	7	0211	-0.8	-0.2	22	0219	0.0	0.0	7	0211	-0.8	-0.2	22	0219	0.0	0.0				
Th	1123	0.3	0.1	F	0635	4.1	1.2	Su	0649	4.6	1.4	M	0740	4.4	1.3	W	0816	5.5	1.7	22	0219	0.0	0.0	7	0211	-0.8	-0.2	22	0219	0.0	0.0	7	0211	-0.8	-0.2	22	0219	0.0	0.0				
	1742	5.3	1.6		1232	0.4	0.1		1254	-0.1	0.0		1340	0.4	0.1		1429	-0.6	-0.2		1435	0.2	0.1		1429	-0.6	-0.2		1435	0.2	0.1		1435	0.2	0.1		1435	0.2	0.1	22	0219	0.0	0.0
					1853	5.2	1.6		1910	5.9	1.8		1950	5.2	1.6		2036	5.9	1.8		2030	5.0	1.5		2036	5.9	1.8		2030	5.0	1.5		2030	5.0	1.5		2030	5.0	1.5	22	0219	0.0	0.0
8	0019	0.1	0.0	23	0117	0.1	0.0	8	0145	-0.5	-0.2	23	0215	0.0	0.0	8	0257	-0.9	-0.3	23	0254	0.0	0.0	8	0257	-0.9	-0.3	23	0254	0.0	0.0	8	0257	-0.9	-0.3	23	0254	0.0	0.0				
F	0609	4.2	1.3	Sa	0720	4.1	1.2	M	0743	4.9	1.5	Tu	0818	4.5	1.4	Th	0906	5.7	1.7	23	0254	0.0	0.0	8	0257	-0.9	-0.3	23	0254	0.0	0.0	8	0257	-0.9	-0.3	23	0254	0.0	0.0				
	1214	0.1	0.0		1318	0.4	0.1		1351	-0.3	-0.1		1422	0.4	0.1		1518	-0.6	-0.2		1510	0.1	0.0		1518	-0.6	-0.2		1510	0.1	0.0		1510	0.1	0.0		1510	0.1	0.0	23	0254	0.0	0.0
	1832	5.7	1.7		1933	5.2	1.6		2002	6.1	1.9		2027	5.1	1.6		2126	5.7	1.7		2102	4.8	1.5		2126	5.7	1.7		2102	4.8	1.5		2102	4.8	1.5		2102	4.8	1.5	23	0254	0.0	0.0
9	0115	-0.3	-0.1	24	0201	0.0	0.0	9	0234	-0.8	-0.2	24	0252	0.0	0.0	9	0342	-0.8	-0.2	24	0323	0.1	0.0	9	0342	-0.8	-0.2	24	0323	0.1	0.0	9	0342	-0.8	-0.2	24	0323	0.1	0.0				
Sa	0705	4.4	1.3	Su	0805	4.2	1.3	Tu	0836	5.1	1.6	W	0854	4.5	1.4	F	0958	5.7	1.7	24	0323	0.1	0.0	9	0342	-0.8	-0.2	24	0323	0.1	0.0	9	0342	-0.8	-0.2	24	0323	0.1	0.0				
	1309	-0.1	0.0		1402	0.4	0.1		1445	-0.5	-0.2		1459	0.4	0.1		1606	-0.5	-0.2		1544	0.2	0.1		1606	-0.5	-0.2		1544	0.2	0.1		1544	0.2	0.1		1544	0.2	0.1	24	0323	0.1	0.0
	1923	5.9	1.8		2014	5.2	1.6		2054	6.0	1.8		2102	5.0	1.5																												

OCTOBER

NOVEMBER

DECEMBER

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				Time				Time				Time				Time				Time				Time				Time				Time			
Day	Height			Day	Height			Day	Height			Day	Height			Day	Height			Day	Height			Day	Height			Day	Height			Day	Height		
	h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft		h	m	ft
1	0416	-0.5	-0.2	16	0352	-0.4	-0.1	1	0432	0.0	0.0	16	0431	-0.4	-0.1	1	0530	0.5	0.2	16	0609	-0.3	-0.1	1	0530	0.5	0.2	16	0609	-0.3	-0.1	1	0530	0.5	0.2
F	1016	4.4	1.3	Sa	0951	4.4	1.3	Su	1032	4.0	1.2	M	1034	4.3	1.3	W	1137	3.7	1.1	Th	1222	4.7	1.4	W	1137	3.7	1.1	Th	1222	4.7	1.4	W	1137	3.7	1.1
	1626	-0.2	-0.1		1552	-0.1	0.0		1632	0.5	0.2		1629	0.1	0.0		1730	1.1	0.3		1825	0.3	0.1		1730	1.1	0.3		1825	0.3	0.1		1730	1.1	0.3
	2240	4.9	1.5		2205	5.2	1.6		2248	4.7	1.4		2248	5.4	1.6		2349	4.4	1.3						2349	4.4	1.3						2349	4.4	1.3
2	0458	-0.1	0.0	17	0439	-0.2	-0.1	2	0515	0.3	0.1	17	0525	-0.2	-0.1	2	0618	0.6	0.2	17	0034	5.0	1.5	2	0618	0.6	0.2	17	0034	5.0	1.5	2	0618	0.6	0.2
Sa	1102	4.1	1.2	Su	1043	4.2	1.3	M	1119	3.7	1.1	Tu	1135	4.3	1.3	Th	1226	3.7	1.1	F	0708	-0.2	-0.1	Th	1226	3.7	1.1	F	0708	-0.2	-0.1	Th	1226	3.7	1.1
	1707	0.2	0.1		1635	0.1	0.0		1714	0.8	0.2		1727	0.3	0.1		1828	1.3	0.4		1320	4.8	1.5		1828	1.3	0.4		1320	4.8	1.5		1828	1.3	0.4
	2327	4.6	1.4		2258	5.1	1.6		2335	4.5	1.4		2348	5.1	1.6						1934	0.4	0.1						1934	0.4	0.1				
3	0546	0.2	0.1	18	0532	0.0	0.0	3	0604	0.5	0.2	18	0626	-0.1	0.0	3	0034	4.2	1.3	18	0133	4.8	1.5	3	0034	4.2	1.3	18	0133	4.8	1.5	3	0034	4.2	1.3
Su	1149	3.8	1.2	M	1141	4.0	1.2	Tu	1209	3.6	1.1	W	1236	4.3	1.3	F	0712	0.6	0.2	Sa	0809	-0.1	0.0	F	0712	0.6	0.2	Sa	0809	-0.1	0.0	F	0712	0.6	0.2
	1753	0.6	0.2		1730	0.3	0.1		1807	1.1	0.3		1838	0.5	0.2		1317	3.8	1.2		1420	4.9	1.5		1317	3.8	1.2		1420	4.9	1.5		1317	3.8	1.2
					2356	4.9	1.5									1934	1.3	0.4		2039	0.4	0.1		1934	1.3	0.4		2039	0.4	0.1		1934	1.3	0.4	
4	0012	4.4	1.3	19	0638	0.2	0.1	4	0025	4.2	1.3	19	0049	4.9	1.5	4	0128	4.1	1.2	19	0234	4.5	1.4	4	0128	4.1	1.2	19	0234	4.5	1.4	4	0128	4.1	1.2
M	0641	0.5	0.2	Tu	1243	3.9	1.2	W	0700	0.7	0.2	Th	0733	0.0	0.0	Sa	0807	0.6	0.2	Su	0903	-0.1	0.0	Sa	0807	0.6	0.2	Su	0903	-0.1	0.0	Sa	0807	0.6	0.2
	1239	3.5	1.1		1843	0.5	0.2		1300	3.5	1.1		1339	4.4	1.3		1409	4.0	1.2		1518	5.0	1.5		1409	4.0	1.2		1518	5.0	1.5		1409	4.0	1.2
	1851	0.9	0.3						1915	1.2	0.4		1951	0.5	0.2		2039	1.1	0.3		2138	0.2	0.1		2039	1.1	0.3		2138	0.2	0.1		2039	1.1	0.3
5	0104	4.1	1.2	20	0100	4.8	1.5	5	0117	4.1	1.2	20	0154	4.7	1.4	5	0225	4.1	1.2	20	0334	4.4	1.3	5	0225	4.1	1.2	20	0334	4.4	1.3	5	0225	4.1	1.2
Tu	0742	0.7	0.2	W	0750	0.2	0.1	Th	0801	0.7	0.2	F	0836	-0.1	0.0	Su	0857	0.5	0.2	M	0956	-0.1	0.0	Su	0857	0.5	0.2	M	0956	-0.1	0.0	Su	0857	0.5	0.2
	1336	3.4	1.0		1349	4.0	1.2		1357	3.6	1.1		1442	4.5	1.4		1506	4.3	1.3		1614	5.2	1.6		1506	4.3	1.3		1614	5.2	1.6		1506	4.3	1.3
	1958	1.0	0.3		2002	0.5	0.2		2022	1.2	0.4		2059	0.4	0.1		2135	0.8	0.2		2233	0.1	0.0		2135	0.8	0.2		2233	0.1	0.0		2135	0.8	0.2
6	0201	4.0	1.2	21	0209	4.7	1.4	6	0214	4.0	1.2	21	0258	4.6	1.4	6	0324	4.1	1.2	21	0435	4.3	1.3	6	0324	4.1	1.2	21	0435	4.3	1.3	6	0324	4.1	1.2
W	0844	0.7	0.2	Th	0857	0.0	0.0	F	0856	0.6	0.2	Sa	0932	-0.2	-0.1	M	0945	0.3	0.1	Tu	1043	-0.1	0.0	M	0945	0.3	0.1	Tu	1043	-0.1	0.0	M	0945	0.3	0.1
	1436	3.4	1.0		1458	4.2	1.3		1459	3.8	1.2		1545	4.8	1.5		1601	4.6	1.4		1707	5.3	1.6		1601	4.6	1.4		1707	5.3	1.6		1601	4.6	1.4
	2103	1.0	0.3		2113	0.3	0.1		2121	1.0	0.3		2159	0.1	0.0		2225	0.5	0.2		2323	0.0	0.0		2225	0.5	0.2		2323	0.0	0.0		2225	0.5	0.2
7	0303	4.0	1.2	22	0320	4.7	1.4	7	0316	4.1	1.2	22	0404	4.6	1.4	7	0422	4.2	1.3	22	0528	4.3	1.3	7	0422	4.2	1.3	22	0528	4.3	1.3	7	0422	4.2	1.3
Th	0940	0.5	0.2	F	0956	-0.2	-0.1	Sa	0945	0.4	0.1	Su	1022	-0.3	-0.1	Tu	1030	0.1	0.0	Th	1043	-0.1	0.0	Tu	1030	0.1	0.0	Th	1043	-0.1	0.0	Tu	1030	0.1	0.0
	1542	3.5	1.1		1606	4.5	1.4		1554	4.0	1.2		1641	5.1	1.6		1652	5.0	1.5		1753	5.5	1.7		1652	5.0	1.5		1753	5.5	1.7		1652	5.0	1.5
	2158	0.8	0.2		2214	0.0	0.0		2214	0.7	0.2		2251	-0.1	0.0		2315	0.2	0.1						2315	0.2	0.1						2315	0.2	0.1
8	0404	4.1	1.2	23	0426	4.8	1.5	8	0414	4.2	1.3	23	0502	4.7	1.4	8	0515	4.4	1.3	23	0013	0.0	0.0	8	0515	4.4	1.3	23	0013	0.0	0.0	8	0515	4.4	1.3
F	1028	0.3	0.1	Sa	1049	-0.4	-0.1	Su	1031	0.2	0.1	M	1112	-0.3	-0.1	W	1118	-0.1	0.0	Th	0615	4.3	1.3	W	1118	-0.1	0.0	Th	0615	4.3	1.3	W	1118	-0.1	0.0
	1641	3.8	1.2		1705	4.9	1.5		1646	4.4	1.3		1732	5.4	1.6		1739	5.4	1.6		1835	5.5	1.7		1739	5.4	1.6		1835	5.5	1.7		1739	5.4	1.6
	2249	0.6	0.2		2312	-0.3	-0.1		2302	0.4	0.1		2345	-0.3	-0.1																				
9	0459	4.3	1.3	24	0523	5.0	1.5	9	0507	4.4	1.3	24	0552	4.7	1.4	9	0006	-0.1	0.0	24	0100	-0.1	0.0	9	0006	-0.1	0.0	24	0100	-0.1	0.0	9	0006	-0.1	0.0
Sa	1115	0.1	0.0	Su	1140	-0.6	-0.2	M	1115	0.0	0.0	Tu	1200	-0.3	-0.1	Th	0606	4.6	1.4	F	0658	4.3	1.3	Th	0606	4.6	1.4	F	0658	4.3	1.3	Th	0606	4.6	1.4
	1729	4.2	1.3		1755	5.3	1.6		1731	4.8	1.5		1817	5.6	1.7		1206	-0.2	-0.1		1302	0.2	0.1		1206	-0.2	-0.1		1302	0.2	0.1		1206	-0.2	-0.1
	2339	0.3	0.1						2350	0.1	0.0						1825	5.7	1.7		1915	5.5	1.7		1825	5.7	1.7		1915	5.5	1.7		1825	5.7	1.7
10	0548	4.6	1.4	25	0005	-0.5	-0.2	10	0552	4.6	1.4	25	0036	-0.4	-0.1	10	0057	-0.4	-0.1	25	0146	-0.1	0.0	10	0057	-0.4	-0.1	25	0146	-0.1	0.0	10	0057	-0.4	-0.1
Su	1158	0.0	0.0	M	0614	5.1	1.6	Tu	1157	-0.1	0.0	W	0637	4.7	1.4	F	0653	4.7	1.4	Sa	0738	4.2	1.3	F	0653	4.7	1.4	Sa	0738	4.2	1.3	F	0653	4.7	1.4
	1811	4.5	1.4		1227	-0.7	-0.2		1813	5.2	1.6		1245	-0.3	-0.1		1253	-0.3	-0.1		1347	0.3	0.1		1253	-0.3	-0.1		1347	0.3	0.1		1253	-0.3	-0.1
					1840	5.6	1.7						1858	5.7	1.7		1911	6.0	1.8		1954	5.4	1.6		1911	6.0	1.8		1954	5.4	1.6		1911	6.0	1.8
11	0024	0.0	0.0	26	0056	-0.7	-0.2	11	0037	-0.1	0.0	26</																							

Times and Heights of High and Low Waters

JULY

AUGUST

SEPTEMBER

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	0537	0.5	0.2	16	0012	5.0	1.5	1	0006	4.2	1.3	16	0133	4.2	1.3	1	0130	3.9	1.2
F	1149	4.0	1.2	Sa	0639	-0.2	-0.1	M	0615	0.6	0.2	Tu	0757	0.5	0.2	Th	0743	0.7	0.2
	1746	1.1	0.3		1255	5.1	1.6		1238	4.5	1.4		1411	4.9	1.5		1404	4.9	1.5
	2356	4.3	1.3		1908	0.3	0.1		1906	1.0	0.3		2044	0.7	0.2		2057	0.7	0.2
2	0620	0.5	0.2	17	0108	4.7	1.4	2	0057	4.1	1.2	17	0230	3.9	1.2	2	0242	3.9	1.2
Sa	1234	4.1	1.2	Su	0735	0.0	0.0	Tu	0713	0.6	0.2	W	0853	0.6	0.2	F	0858	0.6	0.2
	1846	1.2	0.4		1348	5.0	1.5		1331	4.7	1.4		1507	4.8	1.5		1515	5.1	1.6
					2013	0.4	0.1		2016	0.9	0.3		2140	0.6	0.2		2201	0.4	0.1
3	0044	4.2	1.3	18	0203	4.4	1.3	3	0157	4.0	1.2	18	0335	3.8	1.2	3	0358	4.1	1.2
Su	0713	0.6	0.2	M	0832	0.1	0.0	W	0815	0.5	0.2	Th	0948	0.7	0.2	Sa	1004	0.3	0.1
	1322	4.3	1.3		1445	5.0	1.5		1434	4.9	1.5		1607	4.8	1.5		1625	5.4	1.6
	1951	1.1	0.3		2113	0.4	0.1		2121	0.7	0.2		2235	0.6	0.2		2259	0.0	0.0
4	0136	4.1	1.2	19	0305	4.1	1.2	4	0303	4.0	1.2	19	0435	3.8	1.2	4	0505	4.5	1.4
M	0803	0.5	0.2	Tu	0925	0.2	0.1	Th	0917	0.4	0.1	F	1040	0.6	0.2	Su	1105	0.0	0.0
	1415	4.5	1.4		1542	5.0	1.5		1540	5.1	1.6		1702	5.0	1.5		1726	5.7	1.7
	2052	0.9	0.3		2208	0.4	0.1		2221	0.4	0.1		2323	0.4	0.1		2355	-0.4	-0.1
5	0236	4.0	1.2	20	0405	4.0	1.2	5	0417	4.1	1.2	20	0531	4.0	1.2	5	0601	5.0	1.5
Tu	0859	0.4	0.1	W	1017	0.3	0.1	F	1017	0.2	0.1	Sa	1129	0.6	0.2	M	1203	-0.3	-0.1
	1513	4.7	1.4		1638	5.1	1.6		1644	5.5	1.7		1748	5.1	1.6		1821	6.0	1.8
	2150	0.6	0.2		2300	0.3	0.1		2318	0.0	0.0								
6	0341	4.1	1.2	21	0502	4.0	1.2	6	0521	4.4	1.3	21	0009	0.3	0.1	6	0048	-0.7	-0.2
W	0950	0.2	0.1	Th	1105	0.3	0.1	Sa	1116	-0.1	0.0	Su	0614	4.2	1.3	Tu	0653	5.4	1.6
	1613	5.1	1.6		1728	5.2	1.6		1744	5.8	1.8		1216	0.5	0.2		1301	-0.6	-0.2
	2243	0.3	0.1		2350	0.2	0.1						1830	5.2	1.6		1910	6.1	1.9
7	0443	4.2	1.3	22	0551	4.1	1.2	7	0014	-0.3	-0.1	22	0054	0.1	0.0	7	0139	-0.9	-0.3
Th	1043	0.0	0.0	F	1151	0.4	0.1	Su	0616	4.8	1.5	M	0656	4.4	1.3	W	0743	5.7	1.7
	1709	5.5	1.7		1813	5.3	1.6		1216	-0.3	-0.1		1301	0.4	0.1		1354	-0.7	-0.2
	2339	0.0	0.0						1837	6.1	1.9		1909	5.3	1.6		1959	6.1	1.9
8	0539	4.4	1.3	23	0038	0.2	0.1	8	0109	-0.6	-0.2	23	0135	0.0	0.0	8	0226	-1.0	-0.3
F	1136	-0.1	0.0	Sa	0637	4.2	1.3	M	0709	5.1	1.6	Tu	0733	4.5	1.4	Th	0829	5.8	1.8
	1801	5.8	1.8		1237	0.4	0.1		1314	-0.5	-0.2		1345	0.4	0.1		1444	-0.8	-0.2
					1853	5.4	1.6		1927	6.3	1.9		1947	5.2	1.6		2046	5.9	1.8
9	0035	-0.3	-0.1	24	0122	0.1	0.0	9	0202	-0.9	-0.3	24	0213	0.0	0.0	9	0312	-0.9	-0.3
Sa	0633	4.7	1.4	Su	0718	4.2	1.3	Tu	0800	5.3	1.6	W	0809	4.6	1.4	F	0918	5.8	1.8
	1232	-0.3	-0.1		1323	0.4	0.1		1409	-0.6	-0.2		1423	0.4	0.1		1533	-0.6	-0.2
	1851	6.1	1.9		1932	5.3	1.6		2017	6.2	1.9		2022	5.2	1.6		2136	5.5	1.7
10	0129	-0.6	-0.2	25	0205	0.0	0.0	10	0250	-1.0	-0.3	25	0249	0.0	0.0	10	0355	-0.7	-0.2
Su	0725	4.8	1.5	M	0756	4.3	1.3	W	0851	5.5	1.7	Th	0845	4.6	1.4	Sa	1007	5.7	1.7
	1327	-0.4	-0.1		1405	0.4	0.1		1502	-0.6	-0.2		1459	0.4	0.1		1621	-0.4	-0.1
	1941	6.2	1.9		2010	5.3	1.6		2108	6.0	1.8		2056	5.0	1.5		2225	5.1	1.6
11	0222	-0.8	-0.2	26	0242	0.0	0.0	11	0338	-0.9	-0.3	26	0322	0.1	0.0	11	0440	-0.3	-0.1
M	0817	5.0	1.5	Tu	0835	4.3	1.3	Th	0944	5.5	1.7	F	0918	4.6	1.4	Su	1057	5.5	1.7
	1423	-0.4	-0.1		1446	0.5	0.2		1553	-0.5	-0.2		1534	0.5	0.2		1711	0.0	0.0
	2033	6.2	1.9		2046	5.1	1.6		2200	5.7	1.7		2131	4.8	1.5		2317	4.7	1.4
12	0312	-0.9	-0.3	27	0319	0.1	0.0	12	0425	-0.7	-0.2	27	0351	0.2	0.1	12	0527	0.1	0.0
Tu	0910	5.0	1.5	W	0914	4.2	1.3	F	1037	5.5	1.7	Sa	0954	4.6	1.4	M	1146	5.2	1.6
	1517	-0.4	-0.1		1522	0.6	0.2		1644	-0.3	-0.1		1608	0.6	0.2		1805	0.4	0.1
	2126	6.0	1.8		2123	4.9	1.5		2253	5.3	1.6		2208	4.6	1.4				
13	0400	-0.8	-0.2	28	0352	0.1	0.0	13	0513	-0.5	-0.2	28	0419	0.3	0.1	13	0007	4.3	1.3
W	1008	5.1	1.6	Th	0951	4.2	1.3	Sa	1130	5.4	1.6	Su	1032	4.7	1.4	Tu	0618	0.5	0.2
	1610	-0.3	-0.1		1557	0.7	0.2		1739	0.0	0.0		1645	0.7	0.2		1239	4.9	1.5
	2221	5.7	1.7		2202	4.8	1.5		2346	4.9	1.5		2250	4.4	1.3		1905	0.7	0.2
14	0450	-0.7	-0.2	29	0424	0.3	0.1	14	0604	-0.1	0.0	29	0452	0.4	0.1	14	0100	3.9	1.2
Th	1104	5.1	1.6	F	1029	4.3	1.3	Su	1223	5.2	1.6	M	1114	4.7	1.4	W	0718	0.8	0.2
	1704	-0.1	0.0		1632	0.8	0.2		1839	0.4	0.1		1727	0.8	0.2		1333	4.7	1.4
	2317	5.4	1.6		2239	4.6	1.4						2333	4.2	1.3		2010	0.8	0.2
15	0543	-0.5	-0.2	30	0458	0.4	0.1	15	0039	4.5	1.4	30	0531	0.5	0.2	15	0158	3.7	1.1
F	1159	5.1	1.6	Sa	1110	4.3	1.3	M	0658	0.2	0.1	Tu	1204	4.8	1.5	Th	0821	1.0	0.3
	1804	0.2	0.1		1711	0.9	0.3		1316	5.0	1.5		1832	0.9	0.3		1431	4.6	1.4
					2321	4.4	1.3		1941	0.6	0.2						2109	0.8	0.2
				31	0533	0.5	0.2					31	0028	4.0	1.2	30	0119	3.8	1.2
				Su	1153	4.4	1.3					W	0628	0.7	0.2	F	0727	0.8	0.2
					1801	1.0	0.3						1300	4.8	1.5		1345	4.8	1.5
													1947	0.9	0.3		2041	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

OCTOBER

NOVEMBER

DECEMBER

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	0233		3.9	1.2		16	0327		3.7	1.1		1	0433		4.8	1.5		16	0431		4.2	1.3		1	0505		5.1	1.6		16	0433		4.4	1.1		
Sa	0845		0.6	0.2		Su	0945		1.0	0.3		Tu	1041		-0.2	-0.1		W	1046		0.4	0.1		Th	1120		-0.5	-0.2		F	1057		0.1	0.0		
	1458		4.9	1.5			1548		4.3	1.3			1651		5.0	1.5			1649		4.2	1.3			1726		4.5	1.4			1657		3.9	1.1		
	2145		0.2	0.1			2215		0.4	0.1			2310		-0.6	-0.2			2300		-0.1	0.0			2334		-0.7	-0.2			2300		-0.3	-0.0		
2	0346		4.2	1.3		17	0427		4.0	1.2		2	0526		5.3	1.6		17	0518		4.5	1.4		2	0555		5.4	1.6		17	0524		4.8	1.1		
Su	0954		0.3	0.1		M	1035		0.7	0.2		W	1136		-0.5	-0.2		Th	1132		0.1	0.0		F	1211		-0.7	-0.2		Sa	1147		-0.2	-0.0		
	1609		5.1	1.6			1643		4.5	1.4			1747		5.1	1.6			1736		4.4	1.3			1813		4.5	1.4			1747		4.1	1.1		
	2241		-0.1	0.0			2259		0.2	0.1									2342		-0.2	-0.1									2347		-0.4	-0.0		
3	0451		4.7	1.4		18	0513		4.3	1.3		3	0000		-0.8	-0.2		18	0558		4.9	1.5		3	0022		-0.7	-0.2		18	0608		5.1	1.1		
M	1054		-0.1	0.0		Tu	1120		0.5	0.2		Th	0614		5.6	1.7		F	1217		-0.1	0.0		Sa	0638		5.6	1.7		Su	1237		-0.5	-0.0		
	1710		5.4	1.6			1728		4.7	1.4			1229		-0.7	-0.2			1818		4.5	1.4			1259		-0.7	-0.2			1833		4.2	1.1		
	2334		-0.5	-0.2			2342		0.0	0.0			1833		5.2	1.6									1858		4.5	1.4								
4	0547		5.2	1.6		19	0555		4.6	1.4		4	0046		-0.8	-0.2		19	0022		-0.3	-0.1		4	0108		-0.7	-0.2		19	0033		-0.6	-0.0		
Tu	1150		-0.4	-0.1		W	1205		0.3	0.1		F	0659		5.9	1.8		Sa	0637		5.2	1.6		Su	0721		5.6	1.7		M	0651		5.4	1.1		
	1804		5.7	1.7			1811		4.8	1.5			1318		-0.8	-0.2			1303		-0.3	-0.1			1348		-0.7	-0.2			1326		-0.9	-0.0		
													1918		5.1	1.6			1858		4.5	1.4			1940		4.3	1.3			1920		4.3	1.1		
5	0024		-0.7	-0.2		20	0023		-0.1	0.0		5	0133		-0.8	-0.2		20	0104		-0.4	-0.1		5	0151		-0.5	-0.2		20	0122		-0.7	-0.0		
W	0635		5.6	1.7		Th	0632		4.9	1.5		Sa	0741		5.9	1.8		Su	0716		5.4	1.6		M	0802		5.4	1.6		Tu	0736		5.5	1.1		
	1245		-0.7	-0.2			1248		0.1	0.0			1405		-0.8	-0.2			1349		-0.5	-0.2			1430		-0.7	-0.2			1415		-0.9	-0.0		
	1853		5.8	1.8			1850		4.9	1.5			2001		4.9	1.5			1939		4.5	1.4			2022		4.2	1.3			2006		4.3	1.1		
6	0112		-0.9	-0.3		21	0101		-0.2	-0.1		6	0216		-0.7	-0.2		21	0146		-0.4	-0.1		6	0233		-0.3	-0.1		21	0211		-0.7	-0.0		
Th	0721		5.9	1.8		F	0709		5.1	1.6		Su	0823		5.8	1.8		M	0842		5.5	1.7		Tu	0842		5.2	1.6		W	0822		5.6	1.1		
	1337		-0.8	-0.2			1332		-0.1	0.0			1451		-0.7	-0.2			1432		-0.5	-0.2			1512		-0.5	-0.2			1503		-0.9	-0.0		
	1939		5.7	1.7			1926		4.9	1.5			2044		4.6	1.4			2021		4.4	1.3			2103		3.9	1.2			2056		4.3	1.1		
7	0159		-0.9	-0.3		22	0139		-0.2	-0.1		7	0258		-0.4	-0.1		22	0228		-0.4	-0.1		7	0312		-0.1	0.0		22	0259		-0.7	-0.0		
F	0806		6.0	1.8		Sa	0743		5.3	1.6		M	0907		5.5	1.7		Tu	0836		5.5	1.7		W	0922		4.9	1.5		Th	0912		5.4	1.1		
	1426		-0.8	-0.2			1410		-0.2	-0.1			1533		-0.4	-0.1			1517		-0.5	-0.2			1554		-0.3	-0.1			1551		-0.9	-0.0		
	2025		5.5	1.7			2002		4.8	1.5			2128		4.3	1.3			2107		4.2	1.3			2147		3.7	1.1			2151		4.2	1.1		
8	0243		-0.8	-0.2		23	0215		-0.2	-0.1		8	0338		-0.1	0.0		23	0311		-0.3	-0.1		8	0352		0.2	0.1		23	0351		-0.6	-0.0		
Sa	0849		5.9	1.8		Su	0818		5.3	1.6		Tu	0951		5.2	1.6		W	0923		5.4	1.6		Th	1005		4.7	1.4		F	1006		5.3	1.1		
	1512		-0.7	-0.2			1451		-0.2	-0.1			1618		-0.2	-0.1			1603		-0.4	-0.1			1634		-0.1	0.0			1640		-0.8	-0.0		
	2109		5.1	1.6			2041		4.6	1.4			2213		4.0	1.2			2200		4.1	1.2			2234		3.6	1.1			2248		4.2	1.1		
9	0326		-0.5	-0.2		24	0251		-0.1	0.0		9	0419		0.3	0.1		24	0357		-0.1	0.0		9	0431		0.4	0.1		24	0445		-0.4	-0.0		
Su	0936		5.7	1.7		M	0855		5.3	1.6		W	1037		4.9	1.5		Th	1016		5.2	1.6		F	1050		4.4	1.3		Sa	1103		5.0	1.1		
	1557		-0.4	-0.1			1531		-0.1	0.0			1701		0.1	0.0			1653		-0.3	-0.1			1717		0.1	0.0			1733		-0.7	-0.0		
	2155		4.7	1.4			2123		4.4	1.3			2301		3.7	1.1			2258		4.0	1.2			2322		3.5	1.1			2346		4.2	1.1		
10	0407		-0.2	-0.1		25	0325		0.0	0.0		10	0501		0.6	0.2		25	0450		0.1	0.0		10	0517		0.7	0.2		25	0546		-0.2	-0.0		
M	1023		5.4	1.6		Tu	0937		5.2	1.6		Th	1124		4.5	1.4		F	1114		5.0	1.5		Sa	1135		4.1	1.2		Su	1201		4.7	1.1		
	1642		-0.1	0.0			1613		0.0	0.0			1751		0.4	0.1			1751		-0.2	-0.1			1802		0.2	0.1			1833		-0.5	-0.0		
	2244		4.3	1.3			2209		4.1	1.2			2356		3.5	1.1																				
11	0448		0.2	0.1		26	0405		0.2	0.1		11	0554		0.9	0.3		26	0001		3.9	1.2		11	0009		3.4	1.0		26	0045		4.3	1.1		
Tu	1111		5.1	1.6		W	1026		5.1	1.6		F	1215		4.3	1.3		Sa	0554		0.3	0.1		Su	0610		0.8	0.2		M	0654		0.0	0.0		
	1733		0.3	0.1			1701		0.2	0.1			1847		0.6	0.2			1215		4.7	1.4			1223		4.0	1.2			1300		4.4	1.1		
	2335		4.0	1.2			2305		3.9	1.2									1857		-0.1	0.0			1855		0.3	0.1			1934		-0.5	-0.0		
12	0538		0.6	0.2		27	0453		0.4	0.1		12	0047		3.4	1.0		27	0103		4.0	1.2		12	0100		3.5	1.1		27	0144		4.4	1.1		
W	1202		4.7	1.4		Th	1122		4.9	1.5		Sa	0658		1.1	0.3		Su	0711		0.3	0.1		M	0716		0.9	0.3		Tu	0803		0.0	0.0		
	1828		0.6	0.2			1804		0.3	0.1			1305		4.1	1.2			1319		4.6	1.4			1313		3.8	1.2			1400		4.2	1.1		
													1947		0.6	0.2			2003		-0.2	-0.1			1951		0.3	0.1			2035		-0.4	-0.0		
13	0028		3.7	1.1		28	0007		3.8	1.2		13	0144		3.5	1.1		28	0206		4.2	1.3		13	0151		3.6	1.1		28	0244		4.5	1.1		
Th	0635		1.0	0.3		F	0559		0.6	0.2		Su	0805		1.1	0.3		M	0824		0.2	0.1		Tu	0819		0.8	0.2		W	0908		-0.1	0.0		
	1254		4.5	1.4			1226		4																											

Times and Heights of High and Low Waters

JANUARY				FEBRUARY				MARCH			
Time	Height			Time	Height			Time	Height		
Day	h	m	ft m	Day	h	m	ft m	Day	h	m	ft m
1 0406	-0.6	-0.2		16 0414	-0.4	-0.1		1 0435	-0.5	-0.2	
Sa 1031	3.0	0.9		Su 1033	2.1	0.6		Tu 1046	2.8	0.9	
1656	-0.6	-0.2		1654	-0.5	-0.2		1658	-0.4	-0.1	
2300	2.5	0.8		2256	1.7	0.5		2313	2.9	0.9	
2 0502	-0.5	-0.2		17 0452	-0.3	-0.1		2 0525	-0.3	-0.1	
Su 1124	2.9	0.9		M 1108	2.1	0.6		W 1132	2.7	0.8	
1746	-0.5	-0.2		1728	-0.4	-0.1		1741	-0.3	-0.1	
2354	2.5	0.8		2333	1.7	0.5		2359	2.8	0.9	
3 0559	-0.3	-0.1		18 0530	-0.2	-0.1		3 0613	-0.1	0.0	
M 1218	2.8	0.9		Tu 1801	-0.3	-0.1		Th 1218	2.5	0.8	
1839	-0.3	-0.1						1826	-0.1	0.0	
4 0052	2.5	0.8		19 0010	1.8	0.5		18 0524	-0.1	0.0	
Tu 0658	-0.1	0.0		W 0610	-0.2	-0.1		F 1125	2.2	0.7	
1313	2.6	0.8		1223	1.9	0.6		1728	-0.1	0.0	
1933	-0.2	-0.1		1837	-0.3	-0.1		2353	2.6	0.8	
5 0150	2.5	0.8		20 0052	1.9	0.6		3 0613	-0.1	0.0	
W 0801	0.0	0.0		Th 0657	-0.1	0.0		Th 1218	2.5	0.8	
1412	2.4	0.7		1302	1.8	0.5		1826	-0.1	0.0	
2029	-0.1	0.0		1916	-0.2	-0.1		2359	2.8	0.9	
6 0251	2.4	0.7		21 0137	2.0	0.6		4 0049	2.7	0.8	
Th 0907	0.1	0.0		F 0750	0.0	0.0		F 0707	0.1	0.0	
1510	2.2	0.7		1351	1.8	0.5		1308	2.2	0.7	
2125	0.0	0.0		2003	-0.2	-0.1		1913	0.0	0.0	
7 0352	2.4	0.7		22 0233	2.1	0.6		5 0139	2.5	0.8	
F 1012	0.2	0.1		Sa 0849	0.0	0.0		Sa 0800	0.2	0.1	
1612	2.0	0.6		1445	1.7	0.5		1358	2.0	0.6	
2221	0.0	0.0		2056	-0.2	-0.1		2003	0.2	0.1	
8 0449	2.4	0.7		23 0332	2.2	0.7		6 0232	2.4	0.7	
Sa 1115	0.1	0.0		Su 0956	0.0	0.0		Su 0900	0.4	0.1	
1709	1.8	0.5		1551	1.7	0.5		1453	1.8	0.5	
2313	0.0	0.0		2157	-0.2	-0.1		2057	0.3	0.1	
9 0544	2.3	0.7		24 0434	2.3	0.7		21 0137	2.6	0.8	
Su 1214	0.0	0.0		M 1102	-0.1	0.0		M 0804	0.3	0.1	
1804	1.7	0.5		1657	1.8	0.5		1401	2.1	0.6	
				2302	-0.3	-0.1		2006	0.2	0.1	
10 0003	-0.1	0.0		25 0539	2.5	0.8		22 0241	2.6	0.8	
M 0635	2.3	0.7		Tu 1208	-0.2	-0.1		Tu 0913	0.4	0.1	
1304	-0.1	0.0		1803	1.9	0.6		1511	2.1	0.6	
1855	1.7	0.5					2117	0.2	0.1		
11 0053	-0.2	-0.1		26 0006	-0.4	-0.1		6 0430	2.2	0.7	
Tu 0718	2.3	0.7		W 0640	2.6	0.8		8 0430	2.2	0.7	
1348	-0.3	-0.1		1307	-0.4	-0.1		Tu 1105	0.3	0.1	
1941	1.6	0.5		1906	2.0	0.6		1659	1.7	0.5	
12 0136	-0.3	-0.1		27 0107	-0.6	-0.2		2257	0.3	0.1	
W 0800	2.3	0.7		Th 0738	2.8	0.9		9 0526	2.1	0.6	
1430	-0.4	-0.1		1403	-0.5	-0.2		W 1200	0.2	0.1	
2023	1.6	0.5		2003	2.2	0.7		1758	1.7	0.5	
13 0218	-0.4	-0.1		28 0207	-0.7	-0.2		2353	0.1	0.0	
Th 0841	2.3	0.7		F 0832	2.9	0.9		10 0619	2.2	0.7	
1509	-0.5	-0.2		1456	-0.6	-0.2		Th 1245	0.0	0.0	
2104	1.6	0.5		2058	2.4	0.7		1845	1.7	0.5	
14 0257	-0.4	-0.1		29 0302	-0.7	-0.2		11 0045	0.0	0.0	
F 0919	2.2	0.7		Sa 0925	3.0	0.9		F 0704	2.2	0.7	
1545	-0.5	-0.2		1547	-0.7	-0.2		1328	-0.1	0.0	
2142	1.6	0.5		2151	2.5	0.8		1930	1.8	0.5	
15 0336	-0.4	-0.1		30 0357	-0.7	-0.2		12 0130	-0.2	-0.1	
Sa 0956	2.2	0.7		Su 1016	3.0	0.9		Sa 0746	2.2	0.7	
1619	-0.5	-0.2		1637	-0.7	-0.2		1405	-0.3	-0.1	
2221	1.7	0.5		2243	2.6	0.8		2009	2.0	0.6	
								13 0210	-0.3	-0.1	
								Su 0826	2.2	0.7	
								1440	-0.4	-0.1	
								2045	2.1	0.6	
								14 0250	-0.4	-0.1	
								M 0903	2.3	0.7	
								1515	-0.4	-0.1	
								2121	2.2	0.7	
								15 0329	-0.4	-0.1	
								Tu 0938	2.3	0.7	
								1547	-0.4	-0.1	
								2156	2.3	0.7	
								30 0416	-0.3	-0.1	
								W 1024	2.8	0.9	
								1629	-0.2	-0.1	
								2246	3.0	0.9	
								31 0503	-0.2	-0.1	
								Th 1106	2.6	0.8	
								1711	-0.1	0.0	
								2329	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.

APRIL

MAY

JUNE

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

JANUARY								FEBRUARY								MARCH							
Time				Time				Time				Time				Time				Time			
Day	h	m	ft	Day	h	m	ft	Day	h	m	ft	Day	h	m	ft	Day	h	m	ft	Day	h	m	ft
1	0258	-1.2	-0.4	16	0252	-0.3	-0.1	1	0426	-1.0	-0.3	16	0348	-0.2	-0.1	1	0316	-1.2	-0.4	16	0250	-0.3	-0.1
Sa	0925	6.4	2.0	Su	0918	5.2	1.6	Tu	1047	5.7	1.7	W	0957	4.9	1.5	Tu	0934	5.8	1.8	W	0858	5.0	1.5
	1544	-0.8	-0.2		1532	0.0	0.0		1658	-0.8	-0.2		1615	-0.2	-0.1		1541	-0.9	-0.3		1509	-0.3	-0.1
	2151	5.1	1.6		2120	4.3	1.3		2321	5.2	1.6		2210	4.8	1.5		2202	5.7	1.7		2109	5.3	1.6
2	0352	-1.1	-0.3	17	0330	-0.2	-0.1	2	0518	-0.7	-0.2	17	0429	-0.1	0.0	2	0405	-0.9	-0.3	17	0330	-0.2	-0.1
Su	1019	6.2	1.9	M	0951	5.0	1.5	W	1137	5.3	1.6	Th	1031	4.7	1.4	W	1021	5.5	1.7	Th	0933	4.9	1.5
	1634	-0.7	-0.2		1609	0.0	0.0		1746	-0.6	-0.2		1652	-0.1	0.0		1625	-0.7	-0.2		1546	-0.3	-0.1
	2248	5.1	1.6		2156	4.3	1.3						2252	4.9	1.5		2249	5.5	1.7		2149	5.4	1.6
3	0445	-0.8	-0.2	18	0408	0.0	0.0	3	0014	5.1	1.6	18	0515	0.1	0.0	3	0453	-0.5	-0.2	18	0413	-0.1	0.0
M	1111	5.9	1.8	Tu	1022	4.9	1.5	Th	0612	-0.3	-0.1	F	1111	4.5	1.4	Th	1106	5.0	1.5	F	1010	4.7	1.4
	1727	-0.6	-0.2		1646	0.1	0.0		1227	4.8	1.5		1735	-0.1	0.0		1711	-0.4	-0.1		1626	-0.2	-0.1
	2347	5.0	1.5		2236	4.3	1.3		1836	-0.3	-0.1		2343	4.9	1.5		2340	5.3	1.6		2232	5.4	1.6
4	0543	-0.5	-0.2	19	0449	0.1	0.0	4	0109	5.0	1.5	19	0606	0.3	0.1	4	0543	-0.1	0.0	19	0500	0.1	0.0
Tu	1206	5.6	1.7	W	1059	4.7	1.4	F	0709	0.1	0.0	Sa	1201	4.3	1.3	F	1153	4.6	1.4	Sa	1055	4.5	1.4
	1820	-0.4	-0.1		1727	0.1	0.0		1319	4.5	1.4		1825	-0.1	0.0		1756	-0.1	0.0		1710	-0.1	0.0
					2319	4.4	1.3		1928	-0.1	0.0									2324	5.4	1.6	
5	0044	5.0	1.5	20	0536	0.3	0.1	5	0203	4.8	1.5	20	0041	5.0	1.5	5	0030	5.1	1.6	20	0551	0.3	0.1
W	0641	-0.2	-0.1	Th	1140	4.6	1.4	Sa	0808	0.3	0.1	Su	0707	0.4	0.1	Sa	0635	0.2	0.1	Su	1147	4.4	1.3
	1301	5.2	1.6		1809	0.1	0.0		1414	4.2	1.3		1302	4.2	1.3		1242	4.3	1.3		1804	0.0	0.0
	1913	-0.3	-0.1						2023	0.1	0.0		1926	-0.1	0.0		1845	0.2	0.1				
6	0142	5.0	1.5	21	0009	4.5	1.4	6	0300	4.8	1.5	21	0147	5.0	1.5	6	0121	4.8	1.5	21	0023	5.3	1.6
Th	0742	0.1	0.0	F	0628	0.4	0.1	Su	0908	0.4	0.1	M	0817	0.4	0.1	Su	0730	0.5	0.2	M	0654	0.4	0.1
	1357	4.8	1.5		1228	4.4	1.3		1509	4.0	1.2		1411	4.1	1.2		1334	4.0	1.2		1251	4.2	1.3
	2009	-0.2	-0.1		1859	0.0	0.0		2118	0.1	0.0		2033	-0.1	0.0		1940	0.4	0.1		1905	0.1	0.0
7	0239	5.0	1.5	22	0108	4.7	1.4	7	0355	4.8	1.5	22	0257	5.2	1.6	7	0217	4.7	1.4	22	0132	5.3	1.6
F	0842	0.2	0.1	Sa	0732	0.5	0.2	M	1004	0.4	0.1	Tu	0931	0.3	0.1	M	0830	0.7	0.2	Tu	0801	0.5	0.2
	1450	4.6	1.4		1327	4.2	1.3		1603	3.9	1.2		1526	4.2	1.3		1430	3.9	1.2		1403	4.2	1.3
	2102	-0.1	0.0		1957	0.0	0.0		2214	0.1	0.0		2142	-0.3	-0.1		2038	0.5	0.2		2017	0.1	0.0
8	0335	5.0	1.5	23	0213	4.9	1.5	8	0448	4.9	1.5	23	0407	5.4	1.6	8	0315	4.6	1.4	23	0242	5.3	1.6
Sa	0942	0.3	0.1	Su	0842	0.4	0.1	Tu	1056	0.4	0.1	W	1035	0.1	0.0	Tu	0926	0.7	0.2	W	0914	0.3	0.1
	1545	4.4	1.3		1433	4.2	1.3		1656	4.0	1.2		1635	4.4	1.3		1529	3.9	1.2		1516	4.4	1.3
	2155	-0.1	0.0		2059	-0.2	-0.1		2304	0.0	0.0		2248	-0.6	-0.2		2138	0.5	0.2		2128	-0.1	0.0
9	0430	5.1	1.6	24	0318	5.1	1.6	9	0538	5.0	1.5	24	0512	5.7	1.7	9	0411	4.7	1.4	24	0351	5.5	1.7
Su	1035	0.2	0.1	M	0950	0.3	0.1	W	1145	0.2	0.1	Th	1136	-0.3	-0.1	W	1022	0.6	0.2	Th	1019	0.1	0.0
	1637	4.3	1.3		1542	4.2	1.3		1745	4.1	1.2		1739	4.8	1.5		1622	4.0	1.2		1625	4.7	1.4
	2246	-0.2	-0.1		2203	-0.5	-0.2		2351	-0.1	0.0		2349	-1.0	-0.3		2232	0.4	0.1		2233	-0.4	-0.1
10	0520	5.2	1.6	25	0424	5.4	1.6	10	0624	5.1	1.6	25	0612	6.0	1.8	10	0503	4.8	1.5	25	0456	5.7	1.7
M	1126	0.2	0.1	Tu	1055	0.0	0.0	Th	1229	0.1	0.0	F	1231	-0.6	-0.2	Th	1112	0.4	0.1	F	1117	-0.2	-0.1
	1728	4.2	1.3		1648	4.4	1.3		1829	4.2	1.3		1838	5.1	1.6		1713	4.2	1.3		1727	5.1	1.6
	2333	-0.2	-0.1		2304	-0.8	-0.2										2322	0.2	0.1		2334	-0.7	-0.2
11	0607	5.3	1.6	26	0528	5.8	1.8	11	0034	-0.3	-0.1	26	0043	-1.2	-0.4	11	0549	5.0	1.5	26	0553	5.9	1.8
Tu	1212	0.1	0.0	W	1155	-0.3	-0.1	F	0705	5.2	1.6	Sa	0706	6.1	1.9	F	1158	0.2	0.1	Sa	1208	-0.6	-0.2
	1811	4.3	1.3		1752	4.6	1.4		1312	-0.1	0.0		1322	-0.9	-0.3		1800	4.4	1.3		1823	5.5	1.7
									1909	4.3	1.3		1933	5.4	1.6								
12	0015	-0.3	-0.1	27	0002	-1.1	-0.3	12	0116	-0.4	-0.1	27	0137	-1.4	-0.4	12	0007	0.0	0.0	27	0029	-0.9	-0.3
W	0649	5.4	1.6	Th	0627	6.1	1.9	Sa	0743	5.2	1.6	Su	0758	6.2	1.9	Sa	0634	5.1	1.6	Su	0646	5.9	1.8
	1256	0.0	0.0		1249	-0.7	-0.2		1351	-0.2	-0.1		1410	-1.1	-0.3		1240	0.0	0.0		1258	-0.8	-0.2
	1853	4.3	1.3		1852	4.9	1.5		1948	4.4	1.3		2025	5.7	1.7		1842	4.6	1.4		1915	5.9	1.8
13	0058	-0.3	-0.1	28	0058	-1.3	-0.4	13	0154	-0.4	-0.1	28	0227	-1.4	-0.4	13	0052	-0.2	-0.1	28	0120	-1.0	-0.3
Th	0730	5.4	1.6	F	0723	6.3	1.9	Su	0819	5.2	1.6	M	0848	6.1	1.9	Su	0712	5.2	1.6	M	0737	5.9	1.8
	1338	-0.1	0.0		1343	-0.9	-0.3		1428	-0.2	-0.1		1456	-1.1	-0.3		1319	-0.1	0.0		1344	-0.9	-0.3
	1935	4.3	1.3		1948	5.1	1.6		2023	4.5	1.4		2114	5.7	1.7		1921	4.8	1.5		2004	6.0	1.8
14	0137	-0.4	-0.1	29	0151	-1.5	-0.5	14	0233	-0.4	-0.1					14	0132	-0.3	-0.1	29	0209	-1.0	-0.3
F	0807	5.3	1.6	Sa	0816	6.4	2.0	M	0853	5.1	1.6					M	0751	5.2	1.6	Tu	0823	5.8	1.8
	1418	-0.1	0.0		1433	-1.0	-0.3		1504	-0.2	-0.1						1357	-0.2	-0.1		1427	-0.9	-0.3
	2011	4.3	1.3		2042	5.3	1.6		2058	4.6	1.4						1957	5.0	1.5		2050	6.1	1.9
15	0216	-0.3	-0.1	30	0244	-1.5	-0.5	15	0311	-0.3	-0.1					15	0211	-0.3	-0.1	30	0256	-0.9	-0.3
Sa	0845	5.3	1.6	Su	0909	6.3	1.9	Tu	0925	5.0	1.5					Tu	0823	5.1	1.6	W	0907	5.5	1.7
	1455	-0.1	0.0		1522	-1.1	-0.3		1540	-0.2	-0.1						1433	-0.3	-0.1		1510	-0.7	-0.2
	2047	4.3	1.3		2136	5.3	1.6		2133	4.7	1.4						2033	5.2	1.6		2135	6.0	1.8
				31	0335	-1.3	-0.4													31	0341	-0.6	-0.2
				M	0959	6.0	1.8													Th	0951	5.2	1.6
					1609	-1.0	-0.3														1551	-0.5	-0.2
					2229	5.3	1.6														2219	5.8	1.8

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

SAVANNAH RIVER ENTRANCE, GA., 1983
Times and Heights of High and Low Waters

101

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	0442		-0.6	-0.2	16	0407		-0.3	-0.1	1	0457		0.1	0.0	16	0443		-0.2	-0.1	1	0556		0.6	0.2	16	0623		-0.3	-0.1						
F	1033		6.7	2.0	Sa	0954		6.6	2.0	Su	1043		6.1	1.9	M	1035		6.4	2.0	W	1141		5.7	1.7	Th	1236		6.6	2.0						
	1647		-0.3	-0.1		1616		-0.3	-0.1		1656		0.4	0.1		1654		-0.2	-0.1		1754		1.0	0.3		1846		0.0	0.0						
	2304		7.2	2.2		2218		7.8	2.4		2312		6.8	2.1		2301		7.8	2.4																
2	0525		-0.1	0.0	17	0453		0.0	0.0	2	0540		0.5	0.2	17	0538		0.0	0.0	2	0005		6.3	1.9	17	0052		7.2	2.2						
Sa	1117		6.3	1.9	Su	1043		6.3	1.9	M	1126		5.8	-1.8	Tu	1136		6.2	1.9	Th	0644		0.8	0.2	F	0723		-0.3	-0.1						
	1732		0.2	0.1		1704		-0.1	0.0		1741		0.8	0.2		1753		0.0	0.0		1230		5.7	1.7		1340		6.7	2.0						
	2349		6.8	2.1		2312		7.6	2.3		2357		6.5	2.0							1850		1.2	0.4		1952		0.1	0.0						
3	0613		0.4	0.1	18	0546		0.2	0.1	3	0629		0.8	0.2	18	0002		7.5	2.3	3	0055		6.2	1.9	18	0153		6.9	2.1						
Su	1201		5.9	1.8	M	1138		6.1	1.9	Tu	1215		5.6	1.7	W	0639		0.1	0.0	F	0737		0.8	0.2	Sa	0822		-0.3	-0.1						
	1818		0.6	0.2		1802		0.2	0.1		1831		1.1	0.3		1242		6.2	1.9		1324		5.8	1.8		1444		6.9	2.1						
																1858		0.2	0.1		1947		1.2	0.4		2058		0.1	0.0						
4	0036		6.4	2.0	19	0010		7.3	2.2	4	0046		6.2	1.9	19	0106		7.2	2.2	4	0144		6.0	1.8	19	0255		6.6	2.0						
M	0706		0.8	0.2	Tu	0647		0.5	0.2	W	0724		1.0	0.3	Th	0743		0.2	0.1	Sa	0830		0.7	0.2	Su	0920		-0.3	-0.1						
	1251		5.6	1.7		1242		6.0	1.8		1308		5.5	1.7		1351		6.3	1.9		1416		6.0	1.8		1545		7.1	2.2						
	1912		1.0	0.3		1908		0.3	0.1		1930		1.3	0.4		2009		0.3	0.1		2049		1.1	0.3		2159		0.0	0.0						
5	0129		6.1	1.9	20	0116		7.1	2.2	5	0139		6.0	1.8	20	0213		7.0	2.1	5	0239		6.0	1.8	20	0356		6.5	2.0						
Tu	0803		1.0	0.3	W	0757		0.5	0.2	Th	0820		1.0	0.3	F	0848		0.0	0.0	Su	0919		0.5	0.2	M	1012		-0.4	-0.1						
	1346		5.4	1.6		1353		6.0	1.8		1404		5.6	1.7		1502		6.6	2.0		1512		6.3	1.9		1644		7.3	2.2						
	2015		1.1	0.3		2020		0.3	0.1		2033		1.3	0.4		2117		0.1	0.0		2144		0.9	0.3		2254		-0.1	0.0						
6	0228		5.9	1.8	21	0226		7.0	2.1	6	0236		6.0	1.8	21	0319		6.9	2.1	6	0333		6.0	1.8	21	0454		6.4	2.0						
W	0903		1.1	0.3	Th	0906		0.4	0.1	F	0916		0.9	0.3	Sa	0946		-0.2	-0.1	M	1008		0.2	0.1	Tu	1102		-0.4	-0.1						
	1446		5.4	1.6		1509		6.2	1.9		1503		5.8	1.8		1609		7.0	2.1		1607		6.7	2.0		1738		7.6	2.2						
	2115		1.1	0.3		2132		0.1	0.0		2132		1.1	0.3		2218		-0.1	0.0		2236		0.5	0.2		2345		-0.1	0.0						
7	0331		5.9	1.8	22	0337		7.0	2.1	7	0333		6.0	1.8	22	0424		6.9	2.1	7	0430		6.1	1.9	22	0545		6.3	1.9						
Th	0959		0.9	0.3	F	1009		0.0	0.0	Sa	1005		0.6	0.2	Su	1041		-0.4	-0.1	Tu	1054		-0.1	0.0	W	1150		-0.4	-0.1						
	1548		5.5	1.7		1623		6.7	2.0		1601		6.1	1.9		1708		7.4	2.3		1700		7.2	2.2		1824		7.7	2.2						
	2211		0.9	0.3		2234		-0.2	-0.1		2225		0.8	0.2		2315		-0.4	-0.1		2327		0.2	0.1											
8	0433		6.1	1.9	23	0446		7.2	2.2	8	0430		6.2	1.9	23	0523		6.9	2.1	8	0523		6.3	1.9	23	0034		-0.2	-0.1						
F	1049		0.7	0.2	Sa	1105		-0.4	-0.1	Su	1052		0.3	0.1	M	1129		-0.6	-0.2	W	1140		-0.4	-0.1	Th	0532		6.3	1.9						
	1646		5.9	1.8		1726		7.2	2.2		1654		6.6	2.0		1800		7.8	2.4		1750		7.7	2.3		1235		-0.4	-0.1						
	2303		0.6	0.2		2331		-0.6	-0.2		2315		0.5	0.2												1907		7.7	2.2						
9	0524		6.3	1.9	24	0545		7.4	2.3	9	0521		6.4	2.0	24	0006		-0.5	-0.2	9	0017		-0.1	0.0	24	0120		-0.2	-0.1						
Sa	1134		0.4	0.1	Su	1156		-0.7	-0.2	M	1134		0.0	0.0	Tu	0611		6.9	2.1	Th	0612		6.5	2.0	F	0713		6.3	1.9						
	1737		6.3	1.9		1819		7.8	2.4		1742		7.1	2.2		1216		-0.7	-0.2		1226		-0.6	-0.2		1317		-0.3	-0.1						
	2350		0.3	0.1												1845		8.0	2.4		1838		8.1	2.5		1946		7.7	2.2						
10	0608		6.6	2.0	25	0026		-0.9	-0.3	10	0001		0.1	0.0	25	0056		-0.6	-0.2	10	0108		-0.3	-0.1	25	0204		-0.1	0.0						
Su	1217		0.1	0.0	M	0636		7.5	2.3	Tu	0605		6.6	2.0	W	0657		6.9	2.1	F	0701		6.6	2.0	Sa	0753		6.2	1.9						
	1819		6.7	2.0		1245		-0.9	-0.3		1219		-0.2	-0.1		1301		-0.7	-0.2		1315		-0.8	-0.2		1402		-0.1	0.0						
						1908		8.1	2.5		1824		7.5	2.3		1928		8.1	2.5		1926		8.4	2.6		2023		7.5	2.2						
11	0035		0.0	0.0	26	0117		-1.0	-0.3	11	0048		-0.1	0.0	26	0143		-0.6	-0.2	11	0159		-0.5	-0.2	26	0246		-0.1	0.0						
M	0645		6.8	2.1	Tu	0722		7.5	2.3	W	0647		6.7	2.0	Th	0738		6.8	2.1	Sa	0749		6.7	2.0	Su	0830		6.1	1.9						
	1259		-0.1	0.0		1330		-0.9	-0.3		1300		-0.4	-0.1		1345		-0.6	-0.2		1405		-0.9	-0.3		1442		0.0	0.0						
	1858		7.2	2.2		1950		8.3	2.5		1905		7.9	2.4		2006		8.0	2.4		2013		8.5	2.6		2057		7.3	2.2						
12	0118		-0.2	-0.1	27	0205		-1.0	-0.3	12	0133		-0.3	-0.1	27	0227		-0.5	-0.2	12	0250		-0.6	-0.2	27	0327		0.0	0.0						
Tu	0721		6.9	2.1	W	0803		7.4	2.3	Th	0728		6.8	2.1	F	0818		6.6	2.0	Su	0838		6.7	2.0	M	0906		6.0	1.9						
	1338		-0.3	-0.1		1415		-0.9	-0.3		1343		-0.6	-0.2		1427		-0.4	-0.1		1457		-0.9	-0.3		1522		0.2	0.0						
	1935		7.5	2.3		2031		8.3	2.5		1947		8.2	2.5		2043		7.8	2.4		2103		8.4	2.6		2133		7.1	2.2						
13	0200		-0.4	-0.1	28	0250		-0.9	-0.3	13	0219		-0.5	-0.2	28	0310		-0.3	-0.1	13	0341		-0.6	-0.2	28	0406		0.2	0.0						
W	0758		7.0	2.1	Th	0844		7.1	2.2	F	0808		6.8	2.1	Sa	0854		6.4	2.0	M	0931		6.6	2.0	Tu	0944		5.9							

Times and Heights of High and Low Waters

JANUARY

Time Height				Time Height			
Day	Time		Height	Day	Time		Height
	h m	ft	m		h m	ft	m
1	0411	-1.5	-0.5	16	0405	-0.2	-0.1
Sa	1013	8.9	2.7	Su	0956	7.5	2.3
	1650	-0.9	-0.3		1640	0.0	0.0
	2240	7.4	2.3		2158	6.8	2.1
2	0503	-1.3	-0.4	17	0442	0.0	0.0
Su	1103	8.6	2.6	M	1027	7.4	2.3
	1740	-0.8	-0.2		1717	0.1	0.0
	2333	7.3	2.2		2235	6.8	2.1
3	0554	-1.0	-0.3	18	0517	0.1	0.0
M	1154	8.2	2.5	Tu	1100	7.3	2.2
	1829	-0.6	-0.2		1754	0.1	0.0
					2314	6.9	2.1
4	0031	7.2	2.2	19	0556	0.2	0.1
Tu	0648	-0.7	-0.2	W	1139	7.2	2.2
	1247	7.8	2.4		1833	0.2	0.1
	1919	-0.4	-0.1				
5	0127	7.1	2.2	20	0001	7.1	2.2
W	0743	-0.3	-0.1	Th	0638	0.3	0.1
	1340	7.4	2.3		1223	7.1	2.2
	2012	-0.2	-0.1		1916	0.2	0.1
6	0222	7.1	2.2	21	0052	7.2	2.2
Th	0840	0.0	0.0	F	0733	0.5	0.2
	1431	7.0	2.1		1315	6.9	2.1
	2106	-0.1	0.0		2010	0.2	0.1
7	0317	7.1	2.2	22	0149	7.3	2.2
F	0938	0.1	0.0	Sa	0839	0.6	0.2
	1524	6.7	2.0		1411	6.7	2.0
	2159	-0.1	0.0		2110	0.0	0.0
8	0413	7.1	2.2	23	0251	7.5	2.3
Sa	1034	0.2	0.1	Su	0950	0.5	0.2
	1618	6.5	2.0		1516	6.6	2.0
	2251	-0.2	-0.1		2214	-0.2	-0.1
9	0509	7.2	2.2	24	0357	7.6	2.3
Su	1127	0.1	0.0	M	1057	0.2	0.1
	1713	6.4	2.0		1627	6.5	2.0
	2341	-0.3	-0.1		2315	-0.5	-0.2
10	0604	7.4	2.3	25	0510	7.9	2.4
M	1217	0.0	0.0	Tu	1158	-0.1	0.0
	1808	6.5	2.0		1742	6.7	2.0
11	0029	-0.4	-0.1	26	0014	-0.9	-0.3
Tu	0654	7.5	2.3	W	0621	8.3	2.5
	1306	-0.1	0.0		1257	-0.5	-0.2
	1856	6.5	2.0		1851	7.0	2.1
12	0116	-0.4	-0.1	27	0112	-1.3	-0.4
W	0738	7.6	2.3	Th	0722	8.7	2.7
	1351	-0.1	0.0		1354	-0.8	-0.2
	1941	6.6	2.0		1951	7.3	2.2
13	0200	-0.4	-0.1	28	0208	-1.6	-0.5
Th	0818	7.7	2.3	F	0817	8.9	2.7
	1437	-0.1	0.0		1448	-1.1	-0.3
	2018	6.7	2.0		2044	7.6	2.3
14	0245	-0.4	-0.1	29	0302	-1.8	-0.5
F	0854	7.7	2.3	Sa	0908	9.0	2.7
	1521	-0.1	0.0		1540	-1.2	-0.4
	2052	6.7	2.0		2136	7.8	2.4
15	0326	-0.3	-0.1	30	0355	-1.8	-0.5
Sa	0926	7.6	2.3	Su	0958	8.9	2.7
	1603	-0.1	0.0		1629	-1.3	-0.4
	2126	6.7	2.0		2224	7.8	2.4
				31	0445	-1.6	-0.5
				M	1045	8.5	2.6
					1716	-1.1	-0.3
					2314	7.7	2.3

FEBRUARY

Time Height				Time Height			
Day	h m ft m			Day	h m ft m		
	h	m	ft		h	m	ft
1	0535	-1.3	-0.4	16	0455	0.0	0.0
Tu	1133	8.1	2.5	W	1033	7.3	2.2
	1801	-0.9	-0.3		1722	0.0	0.0
					2248	7.5	2.3
2	0006	7.6	2.3	17	0533	0.1	0.0
W	0625	-0.9	-0.3	Th	1109	7.2	2.2
	1220	7.6	2.3		1759	0.0	0.0
	1847	-0.6	-0.2		2333	7.6	2.3
3	0055	7.4	2.3	18	0615	0.2	0.1
Th	0715	-0.4	-0.1	F	1154	7.1	2.2
	1308	7.1	2.2		1841	0.1	0.0
	1935	-0.3	-0.1				
4	0147	7.2	2.2	19	0023	7.6	2.3
F	0809	0.0	0.0	Sa	0708	0.4	0.1
	1356	6.7	2.0		1244	6.9	2.1
	2028	0.0	0.0		1932	0.1	0.0
5	0239	7.0	2.1	20	0121	7.7	2.3
Sa	0905	0.3	0.1	Su	0812	0.6	0.2
	1443	6.4	2.0		1345	6.6	2.0
	2122	0.2	0.1		2038	0.1	0.0
6	0332	6.9	2.1	21	0224	7.7	2.3
Su	1001	0.4	0.1	M	0924	0.6	0.2
	1537	6.2	1.9		1452	6.5	2.0
	2216	0.2	0.1		2148	0.0	0.0
7	0430	6.9	2.1	22	0336	7.7	2.3
M	1055	0.4	0.1	Tu	1036	0.3	0.1
	1633	6.1	1.9		1608	6.5	2.0
	2310	0.1	0.0		2254	-0.4	-0.1
8	0529	7.0	2.1	23	0451	7.9	2.4
Tu	1148	0.3	0.1	W	1139	0.0	0.0
	1732	6.2	1.9		1727	6.8	2.1
					2355	-0.8	-0.2
9	0000	0.0	0.0	24	0603	8.2	2.5
W	0621	7.1	2.2	Th	1237	-0.5	-0.2
	1237	0.2	0.1		1837	7.2	2.2
	1827	6.4	2.0				
10	0049	-0.2	-0.1	25	0055	-1.3	-0.4
Th	0712	7.3	2.2	F	0706	8.6	2.6
	1323	0.0	0.0		1333	-0.9	-0.3
	1914	6.6	2.0		1936	7.7	2.3
11	0135	-0.3	-0.1	26	0151	-1.6	-0.5
F	0752	7.5	2.3	Sa	0802	8.9	2.7
	1410	-0.1	0.0		1425	-1.2	-0.4
	1955	6.8	2.1		2029	8.1	2.5
12	0221	-0.3	-0.1	27	0245	-1.8	-0.5
Sa	0831	7.5	2.3	Su	0852	8.9	2.7
	1453	-0.1	0.0		1515	-1.3	-0.4
	2031	6.9	2.1		2118	8.4	2.6
13	0303	-0.3	-0.1	28	0336	-1.8	-0.5
Su	0903	7.5	2.3	M	0936	8.7	2.7
	1534	-0.2	-0.1		1603	-1.3	-0.4
	2104	7.0	2.1		2204	8.4	2.6
14	0341	-0.2	-0.1	29	0341	-0.2	-0.1
M	0931	7.5	2.3		1611	-0.1	0.0
	1611	-0.1	0.0		2136	7.2	2.2
	2136	7.2	2.2				
15	0419	-0.1	0.0	30	0419	-0.1	0.0
Tu	1000	7.4	2.3		1648	-0.1	0.0
	1648	-0.1	0.0		2210	7.3	2.2

MARCH

Time Height				Time Height			
Day	h m ft m			Day	h m ft m		
	h	m	ft		h	m	ft
1	0426	-1.6	-0.5	16	0358	-0.1	0.0
Tu	1022	8.4	2.6	W	0935	7.4	2.3
	1648	-1.1	-0.3		1617	-0.1	0.0
	2250	8.3	2.5		2149	7.9	2.4
2	0513	-1.2	-0.4	17	0435	0.0	0.0
W	1104	7.9	2.4	Th	1008	7.3	2.2
	1732	-0.8	-0.2		1653	0.0	0.0
	2335	8.0	2.4		2227	8.1	2.5
3	0559	-0.8	-0.2	18	0516	0.1	0.0
Th	1149	7.4	2.3	F	1047	7.2	2.2
	1813	-0.4	-0.1		1733	0.0	0.0
					2312	8.1	2.5
4	0020	7.7	2.3	19	0602	0.3	0.1
F	0646	-0.3	-0.1	Sa	1133	7.0	2.1
	1231	6.9	2.1		1815	0.2	0.1
	1859	0.0	0.0				
5	0108	7.4	2.3	20	0002	8.1	2.5
Sa	0737	0.2	0.1	Su	0652	0.5	0.2
	1313	6.6	2.0		1225	6.8	2.1
	1949	0.3	0.1		1911	0.3	0.1
6	0155	7.1	2.2	21	0100	7.9	2.4
Su	0830	0.6	0.2	M	0757	0.6	0.2
	1403	6.3	1.9		1329	6.6	2.0
	2041	0.6	0.2		2017	0.3	0.1
7	0249	6.9	2.1	22	0206	7.8	2.4
M	0925	0.8	0.2	Tu	0907	0.6	0.2
	1454	6.2	1.9		1441	6.6	2.0
	2140	0.7	0.2		2130	0.2	0.1
8	0345	6.8	2.1	23	0318	7.8	2.4
Tu	1021	0.8	0.2	W	1016	0.4	0.1
	1553	6.1	1.9		1558	6.7	2.0
	2236	0.6	0.2		2238	-0.1	0.0
9	0445	6.8	2.1	24	0433	7.9	2.4
W	1113	0.6	0.2	Th	1118	0.0	0.0
	1654	6.3	1.9		1715	7.1	2.2
	2331	0.4	0.1		2339	-0.6	-0.2
10	0544	7.0	2.1	25	0544	8.2	2.5
Th	1205	0.4	0.1	F	1216	-0.4	-0.1
	1752	6.5	2.0		1822	7.6	2.3
11	0021	0.2	0.1	26	0037	-1.0	-0.3
F	0637	7.2	2.2	Sa	0646	8.5	2.6
	1253	0.2	0.1		1309	-0.8	-0.2
	1843	6.8	2.1		1920	8.2	2.5
12	0109	0.0	0.0	27	0133	-1.3	-0.4
Sa	0720	7.4	2.3	Su	0741	8.7	2.7
	1338	0.0	0.0		1359	-1.1	-0.3
	1928	7.1	2.2		2011	8.6	2.6
13	0154	-0.1	0.0	28	0225	-1.5	-0.5
Su	0759	7.5	2.3	M	0829	8.7	2.7
	1421	-0.1	0.0		1448	-1.2	-0.4
	2006	7.3	2.2		2057	8.8	2.7
14	0237	-0.1	0.0	29	0316	-1.5	-0.5
M	0834	7.5	2.3	Tu	0914	8.4	2.6
	1502	-0.1	0.0		1534	-1.1	-0.3
	2039	7.6	2.3		2141	8.8	2.7
15	0318	-0.1	0.0	30	0403	-1.3	-0.4
Tu	0906	7.5	2.3	W	0954	8.1	2.5
	1540	-0.1	0.0		1618	-0.9	-0.3
	2115	7.8	2.4		2223	8.7	2.7
				31	0448	-0.9	-0.3
				Th	1034	7.7	2.3
					1701	-0.5	-0.2
					2304	8.3	2.6

Times and Heights of High and Low Waters

OCTOBER				NOVEMBER				DECEMBER			
Day	Time	Height		Day	Time	Height		Day	Time	Height	
	h m	ft	m		h m	ft	m		h m	ft	m
1	0314	7.0	2.1	16	0357	6.8	2.1	1	0608	8.4	2.6
Sa	1001	0.5	0.2	Su	1038	1.1	0.3	Th	1222	-0.5	-0.2
	1556	8.5	2.6		1641	7.5	2.3	F	1200	0.5	0.2
	2249	0.7	0.2		2313	0.9	0.3		1821	7.8	2.4
2	0433	7.3	2.2	17	0454	7.0	2.1	2	0040	-0.8	-0.2
Su	1107	0.0	0.0	M	1129	0.9	0.3	F	0702	8.7	2.7
	1707	8.7	2.7		1736	7.7	2.3		1314	-0.7	-0.2
	2347	0.2	0.1						1914	7.8	2.4
3	0545	7.8	2.4	18	0001	0.6	0.2	3	0129	-0.9	-0.3
M	1206	-0.4	-0.1	Tu	0550	7.4	2.3	Sa	0751	8.9	2.7
	1812	9.0	2.7		1216	0.7	0.2		1405	-0.7	-0.2
					1822	7.8	2.4		2000	7.7	2.3
4	0041	-0.3	-0.1	19	0045	0.4	0.1	4	0215	-0.9	-0.3
Tu	0648	8.4	2.6	W	0637	7.7	2.3	Su	0836	8.9	2.7
	1301	-0.8	-0.2		1304	0.6	0.2		1453	-0.6	-0.2
	1909	9.3	2.8		1905	7.9	2.4		2042	7.5	2.3
5	0133	-0.7	-0.2	20	0128	0.2	0.1	5	0302	-0.7	-0.2
W	0743	9.0	2.7	Th	0721	8.0	2.4	M	0916	8.7	2.7
	1356	-0.9	-0.3		1349	0.5	0.2		1541	-0.4	-0.1
	1959	9.3	2.8		1944	7.9	2.4		2122	7.3	2.2
6	0223	-0.9	-0.3	21	0210	0.2	0.1	6	0347	-0.5	-0.2
Th	0832	9.3	2.8	F	0759	8.3	2.5	Tu	0957	8.4	2.6
	1448	-1.0	-0.3		1432	0.5	0.2		1624	-0.2	-0.1
	2047	9.2	2.8		2018	7.9	2.4		2157	7.1	2.2
7	0310	-0.9	-0.3	22	0250	0.2	0.1	7	0429	-0.2	-0.1
F	0919	9.4	2.9	Sa	0835	8.5	2.6	W	1034	8.1	2.5
	1539	-0.8	-0.2		1514	0.6	0.2		1706	0.1	0.0
	2131	8.8	2.7		2050	7.8	2.4		2234	6.9	2.1
8	0356	-0.7	-0.2	23	0329	0.2	0.1	8	0511	0.1	0.0
Sa	1003	9.3	2.8	Su	0909	8.6	2.6	Th	1112	7.8	2.4
	1627	-0.5	-0.2		1556	0.7	0.2		1749	0.3	0.1
	2213	8.4	2.6		2122	7.6	2.3		2314	6.7	2.0
9	0441	-0.4	-0.1	24	0408	0.3	0.1	9	0552	0.3	0.1
Su	1048	9.0	2.7	M	0949	8.7	2.7	F	1149	7.5	2.3
	1714	-0.1	0.0		1640	0.8	0.2		1831	0.5	0.2
	2255	7.9	2.4		2202	7.5	2.3		2354	6.6	2.0
10	0524	-0.1	0.0	25	0450	0.4	0.1	10	0634	0.6	0.2
M	1133	8.6	2.6	Tu	1030	8.7	2.7	Sa	1231	7.3	2.2
	1801	0.4	0.1		1724	1.0	0.3		1916	0.7	0.2
	2337	7.4	2.3		2244	7.3	2.2				
11	0609	0.4	0.1	26	0533	0.5	0.2	11	0042	6.6	2.0
Tu	1220	8.2	2.5	W	1120	8.6	2.6	Su	0723	0.8	0.2
	1850	0.9	0.3		1813	1.1	0.3		1315	7.1	2.2
					2335	7.1	2.2		2005	0.7	0.2
12	0019	7.0	2.1	27	0626	0.6	0.2	12	0132	6.6	2.0
W	0655	0.8	0.2	Th	1218	8.4	2.6	M	0815	1.0	0.3
	1308	7.9	2.4		1912	1.2	0.4		1401	7.0	2.1
	1940	1.2	0.4						2057	0.7	0.2
13	0110	6.8	2.1	28	0039	6.9	2.1	13	0224	6.8	2.1
Th	0747	1.1	0.3	F	0727	0.7	0.2	Tu	0913	1.0	0.3
	1400	7.6	2.3		1321	8.3	2.5		1453	6.9	2.1
	2033	1.4	0.4		2017	1.2	0.4		2149	0.5	0.2
14	0201	6.7	2.0	29	0152	6.9	2.1	14	0319	6.9	2.1
F	0843	1.3	0.4	Sa	0837	0.7	0.2	W	1012	0.9	0.3
	1452	7.5	2.3		1428	8.3	2.5		1545	6.8	2.1
	2129	1.4	0.4		2125	0.9	0.3		2240	0.3	0.1
15	0258	6.7	2.0	30	0307	7.1	2.2	15	0417	7.2	2.2
Sa	0941	1.3	0.4	Su	0945	0.4	0.1	Th	1108	0.7	0.2
	1548	7.5	2.3		1538	8.3	2.5		1644	6.8	2.1
	2224	1.2	0.4		2227	0.5	0.2		2331	0.0	0.0
				31	0422	7.5	2.3				
				M	1049	0.1	0.0				
					1646	8.4	2.6				
					2323	0.0	0.0				

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				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	0313	4.4	1.3	16	0421	4.5	1.4	1	0518	5.1	1.6	16	0518	4.7	1.4	1	0555	5.2	1.6	16	0520	4.5	1.4	1	0555	5.2	1.6	16	0520	4.5	1.4	1	0555	5.2	1.6
Sa	0909	0.8	0.2	Su	1023	1.4	0.4	Tu	1116	0.3	0.1	W	1116	1.0	0.3	Th	1158	0.0	0.0	F	1121	0.5	0.2	Th	1158	0.0	0.0	F	1121	0.5	0.2	Th	1158	0.0	0.0
	1559	5.3	1.6		1653	5.0	1.5		1748	5.3	1.6		1740	4.6	1.4		1818	4.7	1.4		1738	4.0	1.2		1818	4.7	1.4		1738	4.0	1.2		1818	4.7	1.4
	2212	0.9	0.3		2300	1.2	0.4		2342	0.0	0.0		2329	0.6	0.2							2324	0.0	0.0											
2	0427	4.6	1.4	17	0513	4.7	1.4	2	0614	5.4	1.6	17	0602	4.9	1.5	2	0007	-0.4	-0.1	17	0609	4.7	1.4	2	0007	-0.4	-0.1	17	0609	4.7	1.4	2	0007	-0.4	-0.1
Su	1020	0.5	0.2	M	1111	1.2	0.4	W	1211	0.0	0.0	Th	1159	0.7	0.2	F	0646	5.4	1.6	Sa	1211	0.2	0.1	Su	0646	5.4	1.6	Sa	1211	0.2	0.1	Su	0646	5.4	1.6
	1708	5.4	1.6		1740	5.0	1.5		1838	5.3	1.6		1822	4.6	1.4		1251	-0.2	-0.1		1827	4.0	1.2		1251	-0.2	-0.1		1827	4.0	1.2		1251	-0.2	-0.1
	2310	0.5	0.2		2340	1.0	0.3										1907	4.6	1.4						1907	4.6	1.4						1907	4.6	1.4
3	0532	4.9	1.5	18	0558	4.8	1.5	3	0030	-0.2	-0.1	18	0006	0.4	0.1	3	0052	-0.5	-0.2	18	0009	-0.3	-0.1	3	0052	-0.5	-0.2	18	0009	-0.3	-0.1	3	0052	-0.5	-0.2
M	1124	0.2	0.1	Tu	1155	1.0	0.3	Th	0703	5.7	1.7	F	0645	5.1	1.6	Sa	0733	5.4	1.6	Su	0657	4.9	1.5	Sa	0733	5.4	1.6	Su	0657	4.9	1.5	Sa	0733	5.4	1.6
	1806	5.6	1.7		1822	5.1	1.6		1304	-0.2	-0.1		1240	0.5	0.2		1337	-0.3	-0.1		1258	-0.1	0.0		1337	-0.3	-0.1		1258	-0.1	0.0		1337	-0.3	-0.1
									1928	5.3	1.6		1904	4.6	1.4		1953	4.5	1.4		1917	4.0	1.2		1953	4.5	1.4		1917	4.0	1.2		1953	4.5	1.4
4	0004	0.1	0.0	19	0017	0.8	0.2	4	0115	-0.4	-0.1	19	0045	0.1	0.0	4	0137	-0.5	-0.2	19	0055	-0.5	-0.2	4	0137	-0.5	-0.2	19	0055	-0.5	-0.2	4	0137	-0.5	-0.2
Tu	0627	5.3	1.6	W	0640	5.0	1.5	F	0752	5.8	1.8	Sa	0727	5.2	1.6	Su	0818	5.4	1.6	M	0744	5.1	1.6	Su	0818	5.4	1.6	M	0744	5.1	1.6	Su	0818	5.4	1.6
	1222	-0.1	0.0		1235	0.8	0.2		1352	-0.2	-0.1		1323	0.3	0.1		1423	-0.3	-0.1		1345	-0.3	-0.1		1423	-0.3	-0.1		1345	-0.3	-0.1		1423	-0.3	-0.1
	1859	5.7	1.7		1904	5.1	1.6		2014	5.2	1.6		1945	4.6	1.4		2037	4.4	1.3		2006	4.1	1.2		2037	4.4	1.3		2006	4.1	1.2		2037	4.4	1.3
5	0054	-0.2	-0.1	20	0050	0.6	0.2	5	0200	-0.4	-0.1	20	0123	0.0	0.0	5	0218	-0.4	-0.1	20	0143	-0.7	-0.2	5	0218	-0.4	-0.1	20	0143	-0.7	-0.2	5	0218	-0.4	-0.1
W	0722	5.6	1.7	Th	0720	5.2	1.6	Sa	0837	5.8	1.8	Su	0808	5.3	1.6	M	0900	5.3	1.6	Tu	0834	5.2	1.6	M	0900	5.3	1.6	Tu	0834	5.2	1.6	M	0900	5.3	1.6
	1317	-0.3	-0.1		1312	0.6	0.2		1441	-0.2	-0.1		1405	0.1	0.0		1508	-0.2	-0.1		1434	-0.5	-0.2		1508	-0.2	-0.1		1434	-0.5	-0.2		1508	-0.2	-0.1
	1949	5.7	1.7		1942	5.1	1.6		2059	5.0	1.5		2027	4.5	1.4		2120	4.2	1.3		2054	4.1	1.2		2120	4.2	1.3		2054	4.1	1.2		2120	4.2	1.3
6	0140	-0.4	-0.1	21	0124	0.4	0.1	6	0243	-0.3	-0.1	21	0204	-0.1	0.0	6	0300	-0.2	-0.1	21	0233	-0.8	-0.2	6	0300	-0.2	-0.1	21	0233	-0.8	-0.2	6	0300	-0.2	-0.1
Th	0811	5.8	1.8	F	0758	5.3	1.6	Su	0923	5.7	1.7	M	0850	5.4	1.6	Tu	0945	5.1	1.6	W	0925	5.2	1.6	Tu	0945	5.1	1.6	W	0925	5.2	1.6	Tu	0945	5.1	1.6
	1408	-0.4	-0.1		1349	0.5	0.2		1528	0.0	0.0		1450	0.1	0.0		1552	0.0	0.0		1526	-0.5	-0.2		1552	0.0	0.0		1526	-0.5	-0.2		1552	0.0	0.0
	2036	5.6	1.7		2018	5.0	1.5		2143	4.8	1.5		2110	4.5	1.4		2203	4.1	1.2		2144	4.1	1.2		2203	4.1	1.2		2144	4.1	1.2		2203	4.1	1.2
7	0226	-0.5	-0.2	22	0156	0.3	0.1	7	0327	-0.1	0.0	22	0248	-0.2	-0.1	7	0341	0.0	0.0	22	0324	-0.7	-0.2	7	0341	0.0	0.0	22	0324	-0.7	-0.2	7	0341	0.0	0.0
F	0859	5.9	1.8	Sa	0834	5.4	1.6	M	1007	5.6	1.7	Tu	0936	5.4	1.6	W	1027	4.9	1.5	Th	1016	5.2	1.6	W	1027	4.9	1.5	Th	1016	5.2	1.6	W	1027	4.9	1.5
	1458	-0.3	-0.1		1426	0.5	0.2		1614	0.2	0.1		1537	0.1	0.0		1635	0.2	0.1		1618	-0.5	-0.2		1635	0.2	0.1		1618	-0.5	-0.2		1635	0.2	0.1
	2122	5.4	1.6		2054	4.9	1.5		2227	4.6	1.4		2155	4.4	1.3		2245	4.0	1.2		2237	4.2	1.3		2245	4.0	1.2		2237	4.2	1.3		2245	4.0	1.2
8	0311	-0.4	-0.1	23	0231	0.3	0.1	8	0409	0.2	0.1	23	0334	-0.1	0.0	8	0422	0.3	0.1	23	0418	-0.6	-0.2	8	0422	0.3	0.1	23	0418	-0.6	-0.2	8	0422	0.3	0.1
Sa	0945	5.8	1.8	Su	0911	5.4	1.6	Tu	1053	5.4	1.6	W	1023	5.4	1.6	Th	1109	4.8	1.5	F	1109	5.1	1.6	Th	1109	4.8	1.5	F	1109	5.1	1.6	Th	1109	4.8	1.5
	1548	-0.1	0.0		1505	0.5	0.2		1702	0.6	0.2		1630	0.2	0.1		1717	0.5	0.2		1712	-0.4	-0.1		1717	0.5	0.2		1712	-0.4	-0.1		1717	0.5	0.2
	2208	5.2	1.6		2131	4.8	1.5		2311	4.4	1.3		2246	4.3	1.3		2327	3.9	1.2		2333	4.2	1.3		2327	3.9	1.2		2333	4.2	1.3		2327	3.9	1.2
9	0357	-0.1	0.0	24	0310	0.3	0.1	9	0454	0.6	0.2	24	0425	0.1	0.0	9	0507	0.5	0.2	24	0517	-0.4	-0.1	9	0507	0.5	0.2	24	0517	-0.4	-0.1	9	0507	0.5	0.2
Su	1032	5.7	1.7	M	0950	5.4	1.6	W	1139	5.1	1.6	Th	1115	5.3	1.6	F	1152	4.6	1.4	Sa	1204	4.9	1.5	F	1152	4.6	1.4	Sa	1204	4.9	1.5	F	1152	4.6	1.4
	1638	0.2	0.1		1550	0.6	0.2		1752	0.9	0.3		1723	0.3	0.1		1800	0.7	0.2		1809	-0.4	-0.1		1800	0.7	0.2		1809	-0.4	-0.1		1800	0.7	0.2
	2255	4.9	1.5		2210	4.7	1.4						2341	4.3	1.3																				
10	0441	0.2	0.1	25	0349	0.4	0.1	10	0000	4.3	1.3	25	0524	0.3	0.1	10	0013	3.9	1.2	25	0034	4.2	1.3	10	0013	3.9	1.2	25	0034	4.2	1.3	10	0013	3.9	1.2
M	1120	5.5	1.7	Tu	1033	5.4	1.6	Th	0543	0.9	0.3	F	1215	5.1	1.6	Sa	0552	0.8	0.2	Su	0623	-0.1	0.0	Sa	0552	0.8	0.2	Su	0623	-0.1	0.0	Sa	0552	0.8	0.2
	1731	0.6	0.2		1638	0.7	0.2		1229	4.9	1.5		1824	0.4	0.1		1237	4.4	1.3		1301	4.7	1.4		1237	4.4	1.3		1301	4.7	1.4		1237	4.4	1.3
	2341	4.7	1.4		2253	4.6	1.4		1845	1.1	0.3						1849	0.8	0.2		1909	-0.3	-0.1		1849	0.8	0.2		1909	-0.3	-0.1		1849	0.8	0.2
11	0531	0.6	0.2	26	0438	0.5	0.2	11	0050	4.2	1.3	26	0044	4.3	1.3	11	0101	3.9	1.																

PUNTA GORDA, VENEZUELA, 1983
Times and Heights of High and Low Waters

JANUARY

Day	Time			Height			Day	Time			Height		
	h	m	ft	m	ft	m		h	m	ft	m	ft	m
1	0045	-1.6	-0.5				16	0052	-0.7	-0.2			
Sa	0642	6.6	2.0				Su	0634	5.6	1.7			
	1300	0.0	0.0					1301	0.5	0.2			
	1839	7.3	2.2					1834	6.3	1.9			
2	0132	-1.4	-0.4				17	0127	-0.5	-0.2			
Su	0730	6.5	2.0				M	0705	5.7	1.7			
	1350	0.0	0.0					1333	0.5	0.2			
	1928	7.1	2.2					1909	6.2	1.9			
3	0221	-1.2	-0.4				18	0202	-0.3	-0.1			
M	0818	6.3	1.9				Tu	0738	5.7	1.7			
	1444	0.2	0.1					1409	0.6	0.2			
	2020	6.6	2.0					1945	6.1	1.9			
4	0313	-0.7	-0.2				19	0236	-0.1	0.0			
Tu	0908	6.1	1.9				W	0815	5.7	1.7			
	1539	0.3	0.1					1447	0.7	0.2			
	2113	6.1	1.9					2025	5.8	1.8			
5	0406	-0.3	-0.1				20	0313	0.2	0.1			
W	1003	5.9	1.8				Th	0855	5.7	1.7			
	1639	0.5	0.2					1534	0.7	0.2			
	2213	5.6	1.7					2113	5.5	1.7			
6	0504	0.2	0.1				21	0401	0.6	0.2			
Th	1059	5.7	1.7				F	0942	5.6	1.7			
	1741	0.5	0.2					1633	0.8	0.2			
	2320	5.2	1.6					2209	5.1	1.6			
7	0604	0.5	0.2				22	0457	0.9	0.3			
F	1202	5.6	1.7				Sa	1037	5.5	1.7			
	1844	0.4	0.1					1747	0.7	0.2			
								2316	4.8	1.5			
8	0034	4.9	1.5				23	0609	1.1	0.3			
Sa	0706	0.7	0.2				Su	1138	5.5	1.7			
	1304	5.6	1.7					1859	0.4	0.1			
	1945	0.2	0.1										
9	0145	4.9	1.5				24	0036	4.7	1.4			
Su	0805	0.8	0.2				M	0720	1.1	0.3			
	1403	5.6	1.7					1248	5.5	1.7			
	2042	0.0	0.0					2008	0.0	0.0			
10	0250	5.0	1.5				25	0157	4.9	1.5			
M	0858	0.8	0.2				Tu	0826	0.9	0.3			
	1455	5.8	1.8					1401	5.8	1.8			
	2131	-0.3	-0.1					2109	-0.6	-0.2			
11	0338	5.1	1.6				26	0307	5.2	1.6			
Tu	0946	0.7	0.2				W	0927	0.5	0.2			
	1541	5.9	1.8					1506	6.2	1.9			
	2218	-0.5	-0.2					2204	-1.1	-0.3			
12	0423	5.3	1.6				27	0407	5.6	1.7			
W	1031	0.6	0.2				Th	1020	0.1	0.0			
	1620	6.1	1.9					1602	6.6	2.0			
	2300	-0.7	-0.2					2255	-1.6	-0.5			
13	0500	5.4	1.6				28	0458	6.0	1.8			
Th	1111	0.5	0.2				F	1111	-0.3	-0.1			
	1655	6.2	1.9					1656	6.9	2.1			
	2339	-0.8	-0.2					2343	-1.9	-0.6			
14	0532	5.5	1.7				29	0545	6.3	1.9			
F	1149	0.4	0.1				Sa	1159	-0.6	-0.2			
	1730	6.3	1.9					1745	7.1	2.2			
15	0016	-0.8	-0.2				30	0029	-1.9	-0.6			
Sa	0603	5.6	1.7				Su	0629	6.5	2.0			
	1226	0.4	0.1					1246	-0.8	-0.2			
	1802	6.3	1.9					1831	7.1	2.2			
							31	0114	-1.8	-0.5			
							M	0714	6.5	2.0			
								1333	-0.8	-0.2			
								1917	6.9	2.1			

FEBRUARY

Day	Time			Height			Day	Time			Height		
	h	m	ft	m	ft	m		h	m	ft	m	ft	m
1	0159	-1.5	-0.5				16	0133	-0.6	-0.2			
Tu	0754	6.4	2.0				W	0710	5.9	1.8			
	1422	-0.7	-0.2					1345	-0.1	0.0			
	2004	6.5	2.0					1926	6.1	1.9			
2	0247	-1.0	-0.3				17	0204	-0.3	-0.1			
W	0838	6.2	1.9				Th	0745	6.0	1.8			
	1510	-0.5	-0.2					1418	-0.1	0.0			
	2050	6.0	1.8					2004	5.9	1.8			
3	0334	-0.4	-0.1				18	0239	0.0	0.0			
Th	0924	5.9	1.8				F	0821	6.0	1.8			
	1606	-0.2	-0.1					1500	0.0	0.0			
	2142	5.4	1.6					2049	5.5	1.7			
4	0425	0.1	0.0				19	0318	0.4	0.1			
F	1011	5.5	1.7				Sa	0905	5.8	1.8			
	1702	0.1	0.0					1555	0.2	0.1			
	2238	4.9	1.5					2140	5.1	1.6			
5	0524	0.6	0.2				20	0414	0.8	0.2			
Sa	1106	5.2	1.6				Su	0957	5.6	1.7			
	1804	0.2	0.1					1707	0.3	0.1			
	2345	4.5	1.4					2246	4.7	1.4			
6	0625	1.0	0.3				21	0531	1.2	0.4			
Su	1209	5.0	1.5				M	1100	5.4	1.6			
	1907	0.2	0.1					1828	0.3	0.1			
7	0102	4.3	1.3				22	0009	4.5	1.4			
M	0729	1.1	0.3				Tu	0656	1.2	0.4			
	1316	5.0	1.5					1219	5.3	1.6			
	2009	0.1	0.0					1944	-0.1	0.0			
8	0216	4.4	1.3				23	0137	4.6	1.4			
Tu	0829	1.0	0.3				W	0808	0.9	0.3			
	1421	5.1	1.6					1341	5.5	1.7			
	2104	-0.1	0.0					2050	-0.6	-0.2			
9	0314	4.6	1.4				24	0253	5.1	1.6			
W	0922	0.8	0.2				Th	0911	0.4	0.1			
	1515	5.3	1.6					1453	5.9	1.8			
	2154	-0.4	-0.1					2147	-1.1	-0.3			
10	0402	4.8	1.5				25	0354	5.6	1.7			
Th	1010	0.5	0.2				F	1007	-0.2	-0.1			
	1602	5.6	1.7					1555	6.3	1.9			
	2237	-0.6	-0.2					2239	-1.5	-0.5			
11	0439	5.1	1.6				26	0444	6.1	1.9			
F	1052	0.3	0.1				Sa	1057	-0.7	-0.2			
	1639	5.8	1.8					1648	6.7	2.0			
	2319	-0.8	-0.2					2326	-1.8	-0.5			
12	0513	5.3	1.6				27	0528	6.5	2.0			
Sa	1130	0.1	0.0				Su	1143	-1.1	-0.3			
	1713	6.0	1.8					1734	6.9	2.1			
	2354	-0.9	-0.3										
13	0542	5.5	1.7				28	0009	-1.9	-0.6			
Su	1206	0.0	0.0				M	0609	6.7	2.0			
	1747	6.1	1.9					1229	-1.3	-0.4			
								1818	7.0	2.1			
14	0029	-0.9	-0.3				29	0513	5.7	1.7			
M	0610	5.7	1.7					1142	-0.4	-0.1			
	1239	-0.1	0.0					1726	6.1	1.9			
	1818	6.2	1.9										
15	0102	-0.8	-0.2				30	0002	-0.7	-0.2			
Tu	0640	5.8	1.8					0541	6.0	1.8			
	1313	-0.1	0.0					1216	-0.5	-0.2			
	1850	6.2	1.9					1759	6.3	1.9			

MARCH

Time		Height		Time		Height	
Day				Day			
	h m	ft	m		h m	ft	m
1	0053	-1.7	-0.5	16	0034	-0.6	-0.2
Tu	0648	6.7	2.0	W	0610	6.2	1.9
	1314	-1.3	-0.4		1249	-0.6	-0.2
	1901	6.8	2.1		1832	6.3	1.9
2	0135	-1.3	-0.4	17	0106	-0.4	-0.1
W	0725	6.6	2.0	Th	0641	6.4	2.0
	1356	-1.2	-0.4		1321	-0.6	-0.2
	1943	6.4	2.0		1907	6.2	1.9
3	0218	-0.8	-0.2	18	0138	-0.1	0.0
Th	0802	6.3	1.9	F	0714	6.4	2.0
	1441	-0.9	-0.3		1356	-0.6	-0.2
	2025	5.9	1.8		1946	6.0	1.8
4	0300	-0.2	-0.1	19	0212	0.2	0.1
F	0841	6.0	1.8	Sa	0753	6.3	1.9
	1529	-0.5	-0.2		1438	-0.4	-0.1
	2108	5.4	1.6		2029	5.7	1.7
5	0348	0.4	0.1	20	0255	0.6	0.2
Sa	0922	5.6	1.7	Su	0838	6.1	1.9
	1622	-0.1	0.0		1532	-0.1	0.0
	2158	4.9	1.5		2124	5.3	1.6
6	0440	0.9	0.3	21	0352	1.0	0.3
Su	1011	5.2	1.6	M	0929	5.7	1.7
	1722	0.3	0.1		1643	0.1	0.0
	2254	4.4	1.3		2230	4.9	1.5
7	0545	1.3	0.4	22	0515	1.3	0.4
M	1112	4.8	1.5	Tu	1036	5.4	1.6
	1828	0.5	0.2		1807	0.2	0.1
					2354	4.7	1.4
8	0009	4.2	1.3	23	0639	1.3	0.4
Tu	0654	1.4	0.4	W	1200	5.2	1.6
	1225	4.6	1.4		1923	0.0	0.0
	1932	0.4	0.1				
9	0131	4.2	1.3	24	0126	4.8	1.5
W	0800	1.2	0.4	Th	0754	0.9	0.3
	1342	4.7	1.4		1328	5.3	1.6
	2032	0.2	0.1		2029	-0.4	-0.1
10	0242	4.4	1.3	25	0240	5.3	1.6
Th	0856	0.9	0.3	F	0856	0.3	0.1
	1446	5.0	1.5		1445	5.8	1.8
	2125	-0.1	0.0		2127	-0.8	-0.2
11	0330	4.8	1.5	26	0338	5.9	1.8
F	0944	0.6	0.2	Sa	0951	-0.3	-0.1
	1535	5.4	1.6		1544	6.2	1.9
	2210	-0.4	-0.1		2218	-1.2	-0.4
12	0410	5.1	1.6	27	0423	6.4	2.0
Sa	1028	0.2	0.1	Su	1041	-0.9	-0.3
	1617	5.7	1.7		1636	6.6	2.0
	2250	-0.6	-0.2		2305	-1.4	-0.4
13	0444	5.5	1.7	28	0505	6.7	2.0
Su	1106	-0.1	0.0	M	1125	-1.3	-0.4
	1653	6.0	1.8		1721	6.8	2.1
	2327	-0.7	-0.2		2347	-1.3	-0.4
14	0513	5.7	1.7	29	0544	6.9	2.1
M	1142	-0.4	-0.1	Tu	1207	-1.5	-0.5
	1726	6.1	1.9		1802	6.8	2.1
15	0002	-0.7	-0.2	30	0029	-1.1	-0.3
Tu	0541	6.0	1.8	W	0620	6.9	2.1
	1216	-0.5	-0.2		1249	-1.5	-0.5
	1759	6.3	1.9		1842	6.6	2.0
				31	0107	-0.7	-0.2
				Th	0653	6.7	2.0
					1330	-1.3	-0.4
					1919	6.3	1.9

PUERTO BELGRANO, ARGENTINA, 1983

Times and Heights of High and Low Waters

JANUARY				FEBRUARY				MARCH			
Time	Height		Day	Time	Height		Day	Time	Height		Day
h m	ft	m		h m	ft	m		h m	ft	m	
1 0054	5.2	1.6	Sa	16 0206	4.6	1.4	Tu	1 0112	5.0	1.5	16
0618	12.8	3.9		0824	12.9	3.9		0654	12.7	3.9	
1342	2.0	0.6		1436	2.1	0.6		1348	2.8	0.9	
1930	12.2	3.7		2100	12.9	3.9		1942	13.1	4.0	
2 0148	4.8	1.5	Su	17 0248	4.5	1.4	W	2 0212	4.2	1.3	17
0712	12.9	3.9		0900	12.7	3.9		0754	12.7	3.9	
1430	1.6	0.5		1512	2.2	0.7		1436	2.7	0.8	
2018	12.4	3.8		2136	12.8	3.9		2036	13.3	4.1	
3 0242	4.3	1.3	M	18 0324	4.3	1.3	Th	3 0306	3.3	1.0	18
0806	13.0	4.0		0936	12.5	3.8		0854	12.7	3.9	
1518	1.3	0.4		1548	2.2	0.7		1530	2.6	0.8	
2106	12.7	3.9		2206	12.8	3.9		2124	13.5	4.1	
4 0336	3.7	1.1	Tu	19 0400	3.9	1.2	F	4 0400	2.3	0.7	19
0900	13.0	4.0		1000	12.4	3.8		0954	12.8	3.9	
1606	1.1	0.4		1618	2.2	0.7		1612	2.3	0.7	
2200	13.0	4.0		2230	12.8	3.9		2212	13.7	4.2	
5 0424	3.0	0.9	W	20 0436	3.3	1.0	Sa	5 0448	1.5	0.5	20
1000	13.0	4.0		1024	12.4	3.8		1054	12.9	3.9	
1654	1.1	0.3		1654	2.2	0.7		1700	2.1	0.7	
2254	13.3	4.1		2248	13.0	4.0		2306	13.8	4.2	
6 0518	2.5	0.8	Th	21 0512	2.7	0.8	Su	6 0536	0.9	0.3	21
1106	12.9	3.9		1100	12.5	3.8		1142	12.9	3.9	
1742	1.3	0.4		1724	2.2	0.7		1748	2.1	0.6	
2348	13.5	4.1		2318	13.1	4.0		2354	13.8	4.2	
7 0612	2.0	0.6	F	22 0548	2.2	0.7	M	7 0624	0.6	0.2	22
1212	12.9	3.9		1142	12.6	3.8		1236	12.9	3.9	
1830	1.8	0.5		1806	2.5	0.8		1830	2.3	0.7	
				2354	13.2	4.0					
8 0042	13.6	4.2	Sa	23 0636	1.9	0.6	Tu	8 0048	13.8	4.2	23
0706	1.9	0.6		1230	12.5	3.8		0712	0.6	0.2	
1318	12.8	3.9		1848	2.9	0.9		1330	12.8	3.9	
1924	2.4	0.7						1924	2.7	0.8	
9 0136	13.5	4.1	Su	24 0036	13.2	4.0	W	9 0142	13.6	4.2	24
0806	1.9	0.6		0718	1.9	0.6		0806	0.9	0.3	
1418	12.7	3.9		1318	12.3	3.8		1424	12.7	3.9	
2024	3.1	1.0		1930	3.5	1.1		2018	3.3	1.0	
10 0236	13.4	4.1	M	25 0118	13.1	4.0	Th	10 0242	13.5	4.1	25
0912	2.0	0.6		0812	2.2	0.7		0906	1.3	0.4	
1530	12.6	3.8		1418	12.1	3.7		1524	12.8	3.9	
2130	3.7	1.1		2018	4.3	1.3		2118	3.9	1.2	
11 0342	13.3	4.0	Tu	26 0212	12.9	3.9	F	11 0342	13.4	4.1	26
1018	2.1	0.6		0912	2.4	0.7		1006	1.7	0.5	
1636	12.7	3.9		1518	11.9	3.6		1624	12.9	3.9	
2236	4.1	1.3		2118	4.9	1.5		2218	4.4	1.4	
12 0454	13.3	4.0	W	27 0306	12.8	3.9	Sa	12 0442	13.3	4.1	27
1118	2.0	0.6		1018	2.6	0.8		1100	2.1	0.6	
1736	12.8	3.9		1624	11.8	3.6		1718	13.2	4.0	
2336	4.3	1.3		2224	5.4	1.7		2324	4.7	1.4	
13 0554	13.3	4.1	Th	28 0400	12.7	3.9	Su	13 0536	13.3	4.0	28
1212	1.9	0.6		1118	2.6	0.8		1200	2.4	0.7	
1836	12.9	3.9		1724	11.9	3.6		1812	13.4	4.1	
				2324	5.6	1.7					
14 0030	4.4	1.4	F	29 0506	12.8	3.9	M	14 0018	4.8	1.5	29
0648	13.3	4.1		1218	2.5	0.8		0630	13.2	4.0	
1306	1.9	0.6		1818	12.2	3.7		1248	2.8	0.8	
1930	13.0	4.0						1906	13.4	4.1	
15 0118	4.5	1.4	Sa	30 0030	5.5	1.7	Tu	15 0112	4.7	1.4	30
0736	13.2	4.0		0600	12.9	3.9		0718	12.9	3.9	
1348	2.0	0.6		1312	2.3	0.7		1330	3.1	1.0	
2012	13.0	4.0		1912	12.4	3.8		1948	13.3	4.1	
				31 0130	5.1	1.6	Th	15 0106	4.4	1.3	31
				0700	12.9	3.9		0700	12.5	3.8	
				1406	2.2	0.7		1418	3.3	1.0	
				2000	12.8	3.9		2018	13.4	4.1	

Time meridian 45° W. 0000 is midnight. 1200 is noon.
 Heights are referred to the chart datum of soundings.

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	
LABRADOR										
Time meridian, 52°30'W										
on HALIFAX, p.20										
171	Cartwright Harbour.....	53 42	57 02	-0 03	-0 34	-1.3	-0.6	3.7	4.9	3.4
173	Curlew Harbour.....	53 45	56 33	-0 07	-0 38	-1.6	-0.9	3.7	4.9	3.1
175	Comfort Bight.....	53 09	55 46	-0 32	-1 03	-1.9	-1.0	3.5	4.6	2.9
177	Square Island Harbour.....	52 44	55 49	-0 34	-1 05	-2.0	-1.1	3.5	4.7	2.8
179	Port Marnham.....	52 23	55 44	-0 43	-1 14	-2.7	-1.0	2.7	3.6	2.5
180	Battle Harbour.....	52 16	55 36	-1 03	-1 30	-2.1	-0.3	2.6	3.8	3.1
on HARRINGTON HARBOUR, p.12										
181	Straight of Bell Isle									
	Chateau Bay.....	52 00	55 50	-3 08	-3 19	*0.69	*0.81	2.4	3.1	2.5
183	Red Bay.....	51 43	56 25	-2 00	-1 55	*0.56	*0.56	2.1	2.6	2.0
185	Forteau Bay.....	51 27	56 53	-0 26	-0 17	*0.78	*0.81	2.9	3.7	2.8
NEWFOUNDLAND, East Coast										
on HALIFAX, p.20										
201	Pistolet Bay.....	51 30	55 44	-0 14	-0 28	*0.46	*0.29	2.4	3.1	1.8
203	Ariege Bay.....	51 10	56 00	-0 34	-0 34	-2.6	-1.5	3.3	4.3	2.3
205	Wild Cove.....	50 42	56 10	-0 49	-1 01	-2.0	-1.1	3.5	4.7	2.8
207	Sops Island, White Bay.....	49 50	56 46	-0 49	-1 24	*0.46	*0.29	2.4	3.4	1.8
209	Exploits Lower Harbour.....	49 32	55 04	-0 34	-1 09	-3.1	-1.3	2.6	3.5	2.1
211	Fogo Harbour.....	49 43	54 16	-0 34	-0 42	-2.6	-1.3	3.1	4.2	2.4
213	Valleyfield.....	49 10	53 37	-0 46	-1 13	*0.45	*0.33	2.2	2.9	1.8
215	Port Union.....	48 30	53 05	-0 53	-1 15	*0.49	*0.48	2.2	3.0	2.1
217	Random Head Harbour, Trinity Bay.....	48 06	53 34	-0 53	-1 05	*0.48	*0.33	2.4	3.2	1.9
219	Harbour Grace, Conception Bay.....	47 41	53 12	-0 28	-0 46	*0.51	*0.33	2.6	3.5	2.0
221	St. John's.....	47 34	52 42	-0 34	-0 46	*0.52	*0.38	2.6	3.5	2.1
NEWFOUNDLAND, South Coast										
on ARGENTIA, p.4										
223	Trepassey Harbour.....	46 43	53 23	-0 19	-0 11	-1.2	-0.5	4.2	5.6	3.5
225	St. Mary Harbour, St. Mary Bay.....	46 55	53 35	-0 14	-0 06	-1.2	-0.5	4.2	5.6	3.5
227	Placentia Bay									
	ARGENTIA.....	47 18	53 59	Daily predictions				4.9	6.3	4.4
229	Woody Island.....	47 47	54 10	+0 09	+0 09	-0.5	-0.3	4.7	6.0	4.0
231	Mortier Bay.....	47 10	55 09	+0 15	+0 26	-1.0	-0.8	4.7	6.0	3.5
233	Great St. Lawrence Harbour.....	46 55	55 22	+0 28	+0 55	-0.7	+0.3	3.9	5.0	4.2
Time meridian, 60°W										
235	St. Pierre Hbr., St. Pierre Island.....	46 47	56 10	-0 09	+0 13	-0.8	+0.2	3.9	5.0	4.1
Time meridian, 52°30'W										
Fortune Bay										
237	Grande le Pierre Harbour.....	47 40	54 47	+1 09	+1 09	-1.0	+0.2	3.7	4.8	4.0
239	Belleoram.....	47 32	55 25	+0 57	+0 57	(*0.67+0.8)		3.3	4.3	3.8
241	Ship Cove, Bay d'Espoir.....	47 52	55 50	+0 45	+0 53	-0.4	0.0	4.5	5.5	4.2
243	Great Jervis Harbour, Bay d'Espoir.....	47 39	56 11	+0 38	+1 05	-1.1	+0.1	3.7	4.8	3.9
245	Hare Bay.....	47 37	56 32	+0 41	+1 08	(*0.67+0.6)		3.3	4.3	3.6
247	Grey River.....	47 34	57 07	+0 45	+1 12	(*0.63+0.7)		3.1	4.0	3.5
249	Connoire Bay.....	47 40	57 54	+0 50	+0 50	(*0.59+0.7)		2.9	3.8	3.3
251	La Poile Bay.....	47 40	58 24	+1 15	+1 15	(*0.63+0.6)		3.1	4.0	3.4
on HARRINGTON HARBOUR, p.12										
253	Port Aux Basques.....	47 35	59 09	-1 24	-1 28	*0.80	*0.75	3.1	4.0	2.8
255	Codroy Road.....	47 53	59 24	-1 22	-1 27	*0.74	*0.75	2.8	3.7	2.6
NEWFOUNDLAND, West Coast										
257	St. Georges Harbour.....	48 27	58 30	-0 28	-0 38	*0.78	*0.88	2.8	3.5	2.8
259	Port-au-Port.....	48 33	58 45	+0 05	+0 10	-1.3	-1.0	3.5	4.5	2.4
261	Frenchman's Cove, Bay of Islands.....	49 04	58 10	+0 10	+0 10	-0.5	0.0	3.3	4.2	3.3
263	Norris Cove, Bonne Bay.....	49 31	57 52	+0 10	+0 10	-0.7	-0.4	3.5	4.4	3.0
265	Portland Cove.....	50 11	57 36	+0 19	+0 19	-0.6	-0.4	3.6	4.6	3.0
267	Port Saunders.....	50 39	57 18	+0 07	+0 03	-0.3	-0.3	3.8	4.9	3.2
269	Castors Harbour, St. John Bay.....	50 55	56 59	+0 10	+0 10	*0.78	*0.75	3.0	4.1	2.7
271	St. Barbe Bay.....	51 12	56 46	0 00	0 00	*0.78	*0.56	3.3	4.4	2.6
QUEBEC, Gulf of St. Lawrence										
Time meridian, 60°W										
273	Bradore Bay.....	51 28	57 15	-0 35	-0 30	-0.6	-0.1	3.3	4.4	3.1
275	Mistanoque Harbour.....	51 16	58 12	-0 15	-0 15	-0.4	-0.1	3.5	4.6	3.3
277	HARRINGTON HARBOUR.....	50 30	59 28	Daily predictions				3.8	4.9	3.5
279	Wapitagan Harbour.....	50 12	60 01	+0 15	+0 15	-0.3	+0.1	3.4	4.4	3.4
281	Kegaska.....	50 12	61 14	+0 40	+0 40	-0.9	-0.2	3.1	4.0	3.0
283	Natashquan.....	50 12	61 50	+1 00	+1 10	-0.8	-0.1	3.1	4.0	3.1
285	Betchewun Harbour.....	50 14	63 11	+2 09	+2 13	-0.7	-0.4	3.5	4.6	3.0

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

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NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level	
		Lat.	Long.	Time		Height		Mean Spring	Mean Neap		
				High Water	Low Water	High Water	Low Water				
		N	W	h. m.	h. m.	ft	ft	ft	ft	ft	
NOVA SCOTIA, Bay of Fundy											
Time meridian, 60°W											
on ST. JOHN, N. B., p.24											
565	Ile Haute.....	45 15	65 00	-0 02	-0 02	+7.4	+0.7	27.5	31.5	18.5	
567	Spencer Island.....	45 20	64 42	+0 17	+0 21	+1.47	+1.50	30.5	35.0	21.2	
569	Minas Basin										
569	Parrsboro (Partridge Island) <2>....	45 22	64 20	+0 51	+0 49	+14.7	-	34.4	39.0	22.3	
571	Horton Bluff, Avon River.....	45 06	64 13	+0 58	+1 02	+1.76	+1.38	38.1	43.6	24.6	
573	Windsor <2>.....	45 00	64 08	+1 03	-	+19.5	-	-	-	-	
575	Burntcoat Head.....	45 18	63 49	+1 06	+1 12	+1.90	+2.18	38.4	43.5	27.9	
577	Truro <2>.....	45 22	63 20	+1 43	-	+26.1	-	-	-	-	
579	Spicer Cove, Chignecto Bay.....	45 26	64 54	+0 12	+0 16	+7.0	+0.8	27.0	30.0	18.3	
581	Joggins <2>.....	45 41	64 28	+0 14	+0 26	+14.2	+1.8	33.2	37.0	22.4	
583	Amherst Point, Cumberland Basin.....	45 50	64 17	+0 33	+0 45	+1.69	+1.55	35.6	40.5	24.0	
NEW BRUNSWICK, Bay of Fundy											
Petitcodiac River <3>											
585	Grindstone Island.....	45 43	64 37	+0 21	+0 28	+1.49	+1.45	31.1	35.6	21.4	
587	Hopewell Cape.....	45 52	64 35	+0 14	+0 39	+1.64	+1.85	33.2	38.0	24.0	
589	Moncton <2> <3>.....	46 05	64 46	+0 46	-	+17.2	-	-	-	-	
591	Salisbury.....	46 01	65 03	+1 31	-	+18.2	-	-	-	-	
601	Herring Cove.....	45 35	64 58	+0 22	+0 20	+8.4	+0.9	28.3	32.4	19.1	
603	Quaco Bay.....	45 20	65 32	+0 11	+0 12	+2.0	-0.3	23.1	26.3	15.3	
605	ST. JOHN <4>.....	45 15	66 04	Daily predictions				20.8	23.7	14.4	
607	Indiantown, St. John River.....	45 16	66 05	+1 30	+2 25	-	-	1.2	1.4	2.4	
609	Lepreau Harbour.....	45 07	66 29	-0 01	+0 03	-2.3	-0.5	19.0	21.7	13.0	
611	L'Etang Harbour.....	45 02	66 49	+0 01	+0 05	-3.2	-0.8	18.4	21.0	12.4	
613	North Head, Grand Manan Island.....	44 46	66 45	-0 05	-0 05	-4.5	-0.9	17.2	19.3	11.7	
615	Seal Cove, Grand Manan Island.....	44 37	66 51	-0 15	-0 17	+0.68	+0.65	14.3	16.3	9.8	
617	Outer Wood Island <5>.....	44 36	66 48	-0 25	-0 27	-7.8	-0.8	13.8	16.2	10.1	
619	Machias Seal Island <5>.....	44 30	67 06	-0 01	-	-9.6	-1.7	12.9	14.5	8.8	
620	Welshpool, Campobello Island <5>.....	44 53	66 57	-0 01	+0 06	-3.5	-1.0	18.3	21.2	12.1	
621	Wilsons Beach, Campobello Island <5>.....	44 56	66 56	0 00	+0 01	-3.7	+0.1	17.0	19.4	12.6	
622	Back Bay, Letite Harbour <5>.....	45 03	66 52	0 00	-0 03	-3.5	0.0	17.3	20.1	12.6	
623	Midjik Bluff, Passamaquoddy Bay <5>.....	45 07	66 54	+0 12	+0 17	-2.0	-0.5	19.3	22.0	13.1	
624	St. Andrews, Passamaquoddy Bay <5>.....	45 04	67 03	+0 14	+0 20	-2.3	0.0	18.5	21.2	13.2	
625	The Ledge, St. Croix River <5>.....	45 10	67 12	+0 17	+0 30	-0.8	0.0	20.0	22.8	14.0	
MAINE											
Time meridian, 75°W											
on EASTPORT, p.28											
627	EASTPORT.....	44 54	66 59	Daily predictions				18.2	20.7	9.1	
629	Gleason Cove, Western Passage.....	44 58	67 03	+0 08	+0 07	+0.2	0.0	18.4	20.9	9.2	
631	St. Croix River										
631	Robbinston.....	45 05	67 06	+0 09	+0 09	+1.0	0.0	19.2	21.8	9.6	
633	St. Croix Island.....	45 08	67 08	+0 10	+0 12	+1.4	0.0	19.6	22.3	9.8	
637	Calais.....	45 11	67 17	+0 31	+0 34	+1.8	0.0	20.0	22.8	10.0	
639	Cobscook Bay										
639	Deep Cove, Moose Island.....	44 54	67 01	+0 08	+0 09	+0.5	0.0	18.7	21.3	9.3	
641	East Bay.....	44 56	67 07	+0 14	+0 16	+0.9	0.0	19.1	21.8	9.5	
643	Coffins Point.....	44 52	67 07	+0 33	+0 38	+0.1	0.0	18.3	20.8	9.1	
645	Birch Islands.....	44 52	67 09	+1 05	+1 17	-0.6	0.0	17.6	20.0	8.8	
647	Horan Head, South Bay.....	44 52	67 04	+0 18	+0 21	+1.0	0.0	19.2	21.9	9.6	
649	Lubec.....	44 52	66 59	-0 03	-0 01	-0.7	0.0	17.5	20.0	8.7	
651	West Quoddy Head.....	44 49	66 59	-0 09	-0 15	-2.5	0.0	15.7	17.9	7.8	
653	Moose Cove.....	44 44	67 06	-0 10	-0 16	-3.4	0.0	14.8	16.9	7.4	
655	Cutler, Little River.....	44 39	67 13	-0 12	-0 17	-4.6	0.0	13.6	15.5	6.8	
657	Stone Island, Machias Bay.....	44 36	67 22	-0 12	-0 29	-5.8	0.0	12.4	14.1	6.2	
659	Machiasport, Machias River.....	44 42	67 24	0 00	-0 10	-5.6	0.0	12.6	14.4	6.3	
661	Shoosneck Point, Englishman Bay.....	44 37	67 30	-0 06	-0 14	-6.1	0.0	12.1	13.8	6.1	
663	Roque Island Harbor, Englishman Bay.....	44 34	67 31	-0 11	-0 14	-5.9	0.0	12.3	14.0	6.1	
on PORTLAND, p.32											
665	Steele Harbor Island.....	44 30	67 33	-0 28	-0 20	+2.5	0.0	11.6	13.3	5.8	
667	Jonesport, Moosabec Reach.....	44 32	67 36	-0 23	-0 17	+2.4	0.0	11.5	13.2	5.8	
669	Gibbs Island, Pleasant River.....	44 33	67 46	-0 20	-0 11	+2.2	0.0	11.3	13.0	5.6	
671	Addison, Pleasant River.....	44 37	67 45	0 00	+0 04	+2.7	0.0	11.8	13.6	5.9	
673	Trafton Island, Narraguagus Bay.....	44 29	67 50	-0 23	-0 20	+2.0	0.0	11.1	12.8	5.5	
675	Milbridge, Narraguagus River.....	44 32	67 53	-0 20	-0 05	+2.2	0.0	11.3	13.0	5.6	
677	Pigeon Hill Bay.....	44 27	67 52	-0 21	-0 18	+2.0	0.0	11.1	12.8	5.6	
678	Green Island, Petit Manan Bar.....	44 22	67 52	-0 28	-0 24	+1.5	0.0	10.6	12.2	5.3	
679	Pinkham Bay, Dyer Bay.....	44 28	67 55	-0 23	-0 18	+1.8	0.0	10.9	12.5	5.4	
681	Garden Point, Gouldsboro Bay.....	44 28	67 59	-0 23	-0 18	+1.7	0.0	10.8	12.4	5.4	
683	Corea Harbor.....	44 24	67 58	-0 25	-0 20	+1.4	0.0	10.5	12.1	5.2	
685	Prospect Harbor.....	44 24	68 01	-0 24	-0 15	+1.4	0.0	10.5	12.1	5.2	
701	Frenchman Bay										
701	Winter Harbor.....	44 23	68 05	-0 23	-0 09	+1.0	0.0	10.1	11.6	5.0	
703	Eastern Point Harbor.....	44 28	68 10	-0 20	-0 14	+1.4	0.0	10.5	12.1	5.2	
705	Sullivan.....	44 31	68 12	-0 10	-0 05	+1.4	0.0	10.5	12.1	5.2	
707	Mount Desert Narrows.....	44 26	68 22	-0 08	-0 08	+1.4	0.0	10.5	12.1	5.2	

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

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NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level
		Lat.	Long.	Time		Height		Mean Spring		
				High Water	Low Water	High Water	Low Water	ft	ft	
		N	W	h. m.	h. m.	ft	ft	ft	ft	ft
Maine, Kennebec River Time meridian, 75°W				on PORTLAND, p.32						
833	Bath.....	43 55	69 49	+1 01	+1 17	-2.7	0.0	6.4	7.4	3.2
835	Sturgeon Island, Merrymeeting Bay.....	43 59	69 50	+2 00	+2 04	*0.58	*0.58	5.3	6.1	2.6
837	Androscoggin River entrance.....	43 57	69 53	+2 24	+3 26	*0.52	*0.52	4.7	5.4	2.3
839	Brunswick, Androscoggin River.....	43 55	69 58	+2 35	+4 36	*0.42	*0.42	3.8	4.4	1.9
841	Bowdoinham, Cathance River.....	44 00	69 54	+2 34	+2 42	*0.63	*0.63	5.7	6.6	2.8
843	Richmond.....	44 05	69 48	+2 48	+3 03	*0.58	*0.58	5.3	6.0	2.6
845	Nehumkeag Island.....	44 10	69 45	+3 21	+3 46	*0.58	*0.58	5.3	6.0	2.6
847	Gardiner.....	44 14	69 46	+3 43	+4 25	*0.55	*0.55	5.0	5.7	2.5
849	Hallowell.....	44 17	69 47	+3 54	+5 03	*0.47	*0.47	4.3	4.9	2.1
851	Augusta.....	44 19	69 46	+4 03	+5 33	*0.45	*0.45	4.1	4.6	2.0
MAINE, Casco Bay										
853	Small Point Harbor.....	43 44	69 51	-0 12	-0 09	-0.3	0.0	8.8	10.1	4.4
855	Cundy Harbor, New Meadows River.....	43 47	69 54	-0 01	-0 02	-0.2	0.0	8.9	10.2	4.4
857	Howard Point, New Meadows River.....	43 53	69 53	-0 05	+0 01	-0.1	0.0	9.0	10.3	4.5
859	Lowell Cove, Orrs Island.....	43 45	69 59	-0 07	-0 06	-0.3	0.0	8.8	10.1	4.4
861	Harpswell Harbor.....	43 46	70 00	-0 05	-0 05	-0.1	0.0	9.0	10.4	4.5
863	South Harpswell, Potts Harbor.....	43 44	70 01	+0 02	+0 01	-0.2	0.0	8.9	10.2	4.4
865	Wilson Cove, Middle Bay.....	43 49	69 59	+0 02	+0 02	0.0	0.0	9.1	10.5	4.5
867	Little Flying Point, Maquoit Bay.....	43 50	70 03	-0 01	-0 01	-0.1	0.0	9.0	10.3	4.5
869	South Freeport.....	43 49	70 06	+0 12	+0 10	-0.1	0.0	9.0	10.3	4.5
871	Chebeague Point, Great Chebeague Island.....	43 46	70 06	-0 04	-0 06	-0.1	0.0	9.0	10.4	4.5
873	Prince Point.....	43 46	70 10	-0 02	-0 04	-0.1	0.0	9.0	10.4	4.5
875	Peaks Island.....	43 39	70 12	-0 04	-0 08	-0.1	0.0	9.0	10.4	4.5
877	PORTLAND.....	43 40	70 15	Daily predictions				9.1	10.4	4.6
MAINE, Outer Coast-Continued										
879	Richmond Island.....	43 33	70 14	-0 03	0 00	-0.2	0.0	8.9	10.1	4.4
881	Old Orchard Beach.....	43 31	70 22	0 00	-0 03	-0.3	0.0	8.8	10.1	4.4
883	Wood Island Harbor.....	43 27	70 21	+0 02	-0 04	-0.4	0.0	8.7	9.9	4.3
885	Cape Porpoise.....	43 22	70 26	+0 12	+0 17	-0.4	0.0	8.7	9.9	4.3
887	Kennebunkport.....	43 21	70 28	+0 16	+0 16	-0.5	0.0	8.6	9.9	4.3
889	York Harbor.....	43 08	70 38	+0 03	+0 13	-0.5	0.0	8.6	9.9	4.3
MAINE and NEW HAMPSHIRE										
891	Portsmouth Harbor									
893	Jaffrey Point.....	43 03	70 43	-0 03	-0 05	-0.4	0.0	8.7	10.0	4.4
895	Gerrish Island.....	43 04	70 42	-0 02	-0 03	-0.4	0.0	8.7	10.0	4.4
897	Fort Point.....	43 04	70 43	+0 03	+0 07	-0.5	0.0	8.6	9.9	4.3
899	Kittery Point.....	43 05	70 42	-0 07	+0 01	-0.4	0.0	8.7	10.0	4.4
899	Seavey Island.....	43 05	70 45	+0 23	+0 13	-1.0	0.0	8.1	9.3	4.0
901	Portsmouth.....	43 05	70 45	+0 22	+0 17	-1.3	0.0	7.8	9.0	3.9
903	Piscataqua River									
905	Atlantic Heights.....	43 05	70 46	+0 37	+0 28	-1.6	0.0	7.5	8.6	3.7
907	Dover Point.....	43 07	70 50	+1 33	+1 27	-2.7	0.0	6.4	7.4	3.2
907	Salmon Falls River entrance.....	43 11	70 50	+1 35	+1 52	-2.3	0.0	6.8	7.8	3.4
909	Squamscott River RR Bridge.....	43 03	70 55	+2 19	+2 41	-2.3	0.0	6.8	7.8	3.4
911	Gosport Harbor, Isles of Shoals.....	42 59	70 37	+0 02	-0 02	-0.6	0.0	8.5	9.8	4.2
913	Hampton Harbor.....	42 54	70 49	+0 14	+0 32	-0.8	0.0	8.3	9.5	4.1
MASSACHUSETTS, Outer Coast										
915	Merrimack River entrance.....	42 49	70 49	+0 20	+0 24	-0.8	0.0	8.3	9.5	4.1
917	Newburyport, Merrimack River.....	42 49	70 52	+0 31	+1 11	-1.3	0.0	7.8	9.0	3.9
919	Plum Island Sound (south end).....	42 43	70 47	+0 12	+0 37	-0.5	0.0	8.6	9.9	4.3
921	Annisquam.....	42 39	70 41	0 00	-0 07	-0.4	0.0	8.7	10.1	4.4
923	Rockport.....	42 40	70 37	+0 04	+0 02	-0.5	0.0	8.6	10.0	4.3
on BOSTON, p.36										
925	Gloucester.....	42 36	70 40	-0 03	-0 06	-0.8	0.0	8.7	10.1	4.3
927	Manchester Harbor.....	42 34	70 47	-0 02	-0 06	-0.7	0.0	8.8	10.2	4.4
929	Beverly.....	42 32	70 53	0 00	-0 05	-0.5	0.0	9.0	10.4	4.5
931	Salem.....	42 31	70 53	+0 02	+0 01	-0.7	0.0	8.8	10.2	4.4
933	Marblehead.....	42 30	70 51	-0 02	-0 06	-0.4	0.0	9.1	10.6	4.5
935	Broad Sound									
935	Nahant.....	42 25	70 55	-0 01	-0 02	-0.5	0.0	9.0	10.4	4.5
937	Lynn Harbor.....	42 27	70 58	+0 08	+0 04	-0.3	0.0	9.2	10.7	4.6
Boston Harbor										
939	Boston Light.....	42 20	70 53	0 00	+0 01	-0.5	0.0	9.0	10.4	4.5
941	Lovell Island, The Narrows.....	42 20	70 56	+0 02	+0 01	-0.4	0.0	9.1	10.6	4.5
943	Deer Island (south end).....	42 21	70 58	-0 01	-0 02	-0.2	0.0	9.3	10.8	4.6
945	Belle Isle Inlet entrance.....	42 23	71 00	+0 18	+0 15	0.0	0.0	9.5	11.0	4.7
947	Castle Island.....	42 20	71 01	-0 02	0 00	-0.1	0.0	9.4	10.9	4.7

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	
	Boston Harbor Time meridian, 75°W									

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

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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
Martha's Vineyard Time meridian, 75°W				on NEWPORT, p.40						
1066	Squibnocket Point.....	41 19	70 46	-0 42	+0 03	-0.6	0.0	2.9	3.7	1.5
1067	Nomans Land.....	41 16	70 49	-0 16	+0 23	-0.5	0.0	3.0	3.6	1.5
1069	Gay Head.....	41 21	70 50	-0 03	+0 50	-0.6	0.0	2.9	3.5	1.4
1071	Menemsha Bight.....	41 21	70 46	+0 05	+0 42	-0.8	0.0	2.7	3.4	1.3
1073	Cedar Tree Neck.....	41 26	70 42	+0 13	+1 37	-1.3	0.0	2.2	2.8	1.1
1075	Off Lake Tashmoo.....	41 28	70 38	+1 11	+2 16	*0.60	*0.60	2.1	2.5	1.0
				on BOSTON, p.36						
1077	West Chop.....	41 29	70 36	+0 16	-0 31	*0.15	*0.15	1.4	1.7	0.7
1079	Vineyard Haven.....	41 27	70 36	+0 25	-0 01	*0.18	*0.18	1.7	2.0	0.8
1081	East Chop.....	41 28	70 34	+0 27	-0 14	*0.18	*0.18	1.7	2.0	0.8
1083	Oak Bluffs.....	41 27	70 33	+0 30	-0 14	*0.18	*0.18	1.7	2.0	0.8
1085	Edgartown.....	41 23	70 31	+0 55	+0 16	*0.20	*0.20	1.9	2.3	0.9
1087	Cape Poge, Chappaquiddick Island.....	41 25	70 27	+0 44	+0 02	*0.23	*0.23	2.2	2.6	1.1
Vineyard Sound				on NEWPORT, p.40						
1089	Nobska Point.....	41 31	70 39	+0 44	+2 10	*0.43	*0.43	1.5	1.9	0.7
	Woods Hole									
1091	Little Harbor.....	41 31	70 40	+0 35	+2 26	*0.40	*0.40	1.4	1.8	0.7
1093	Oceanographic Institution.....	41 31	70 40	+0 27	+2 04	*0.51	*0.51	1.8	2.2	0.9
1095	Uncatena Island (south side).....	41 31	70 42	+0 15	+0 27	+0.1	0.0	3.6	4.5	1.8
1097	Tarpaulin Cove.....	41 28	70 46	+0 14	+1 28	*0.54	*0.54	1.9	2.4	0.9
	Quicks Hole									
1099	South side.....	41 26	70 51	-0 07	+0 14	-1.0	0.0	2.5	3.1	1.2
1101	Middle.....	41 27	70 51	+0 03	+0 15	-0.5	0.0	3.0	3.7	1.5
1103	North side.....	41 27	70 51	-0 05	-0 03	0.0	0.0	3.5	4.4	1.7
Buzzards Bay										
1105	Cuttyhunk Pond entrance.....	41 25	70 55	+0 04	+0 06	-0.1	0.0	3.4	4.2	1.7
1107	Penikese Island.....	41 27	70 55	-0 14	-0 11	-0.1	0.0	3.4	4.2	1.7
1109	Kettle Cove.....	41 29	70 47	+0 12	+0 07	+0.3	0.0	3.8	4.7	1.9
1111	West Falmouth Harbor.....	41 36	70 39	+0 24	+0 23	+0.5	0.0	4.0	5.0	2.0
1113	Barlows Landing, Pocasset Harbor.....	41 41	70 38	+0 27	+0 23	+0.5	0.0	4.0	5.0	2.0
1115	Abiels Ledge.....	41 42	70 40	+0 14	+0 21	+0.4	0.0	3.9	4.9	2.0
1117	Monument Beach.....	41 43	70 37	+0 26	+0 23	+0.5	0.0	4.0	5.0	2.0
1119	Cape Cod Canal, RR. bridge <6>.....	41 44	70 37	+1 18	- - -	0.0	0.0	3.5	4.1	1.8
1121	Great Hill.....	41 43	70 43	+0 20	+0 20	+0.6	0.0	4.1	5.1	2.0
1123	Wareham, Wareham River.....	41 45	70 43	+0 25	+0 21	+0.6	0.0	4.1	5.1	2.0
1125	Bird Island.....	41 40	70 43	+0 08	+0 03	+0.7	0.0	4.2	5.2	2.1
1127	Marion.....	41 42	70 46	+0 12	+0 15	+0.5	0.0	4.0	5.0	2.0
1129	Mattapoisett.....	41 39	70 49	+0 13	+0 10	+0.4	0.0	3.9	4.9	2.0
1131	West Island (west side).....	41 36	70 50	+0 12	+0 13	+0.2	0.0	3.7	4.6	1.8
1133	Clarks Point.....	41 36	70 54	+0 06	+0 08	+0.2	0.0	3.7	4.6	1.8
1135	New Bedford.....	41 38	70 55	+0 10	+0 12	+0.2	0.0	3.7	4.6	1.8
1137	Belleville, Acushnet River.....	41 40	70 55	+0 10	+0 14	+0.3	0.0	3.8	4.7	1.9
1139	South Dartmouth, Apponagansett Bay.....	41 35	70 57	+0 28	+0 38	+0.2	0.0	3.7	4.6	1.8
1141	Dumpling Rocks.....	41 32	70 55	+0 04	+0 03	+0.2	0.0	3.7	4.6	1.8
	Westport River									
1143	Westport Harbor.....	41 30	71 06	+0 12	+0 38	-0.5	0.0	3.0	3.7	1.5
1145	Hix Bridge, East Branch.....	41 34	71 04	+1 43	+2 35	-0.8	0.0	2.7	3.4	1.3
RHODE ISLAND, Narragansett Bay										
1147	Sakonnet.....	41 28	71 12	-0 10	+0 04	-0.4	0.0	3.1	3.9	1.6
1149	Tiverton (between bridges).....	41 38	71 13	+0 21	+0 21	+0.3	0.0	3.8	4.7	1.9
1151	Beavertail Point.....	41 27	71 24	-0 02	-0 05	0.0	0.0	3.5	4.4	1.8
1153	NEWPORT.....	41 30	71 20	Daily predictions				3.5	4.4	1.8
1155	Prudence Island, Sandy Point.....	41 36	71 18	+0 10	+0 09	+0.4	0.0	3.9	4.9	2.0
1157	Bristol Point.....	41 39	71 16	+0 21	+0 12	+0.5	0.0	4.0	5.0	2.0
RHODE ISLAND and MASSACHUSETTS Narragansett Bay-Continued										
1159	Fall River, Massachusetts.....	41 44	71 08	+0 31	+0 34	+0.9	0.0	4.4	5.5	2.2
1161	Taunton, Taunton River, Mass.....	41 53	71 06	+1 09	+2 26	-0.7	0.0	2.8	3.5	1.4
1163	Bristol.....	41 40	71 16	+0 10	0 00	+0.6	0.0	4.1	5.1	2.0
1165	Warren.....	41 44	71 17	+0 21	+0 04	+1.1	0.0	4.6	5.7	2.3
1167	Nayatt Point.....	41 43	71 20	+0 12	+0 03	+1.1	0.0	4.6	5.7	2.3
1169	Providence.....	41 48	71 24	+0 14	+0 05	+1.1	0.0	4.6	5.7	2.3
1171	Pawtucket, Seekonk River.....	41 52	71 23	+0 21	+0 14	+1.1	0.0	4.6	5.8	2.3
1173	East Greenwich.....	41 40	71 27	+0 16	+0 08	+0.5	0.0	4.0	5.0	2.0
1175	Wickford.....	41 34	71 27	+0 12	+0 07	+0.3	0.0	3.8	4.7	1.9
1177	Narragansett Pier.....	41 25	71 27	-0 08	+0 16	-0.3	0.0	3.2	4.0	1.6

Endnotes can be found at the end of table 2.

TABLE 2. — TIDAL DIFFERENCES AND OTHER CONSTANTS, 1983

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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	Davids 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, Halletts 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	Spuyten 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					7.1	8.3	3.5	
1333	Hewlett Point.....	40 50	73 45					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 05	+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 03	+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	Hashanomuck 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

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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	
	Long Island, South Side Time meridian, 75°W			on SANDY HOOK, p.64							
1409	Shinnecock inlet (ocean).....	40 50	72 28	-0 50	-1 08	*0.63	*0.63	2.9	3.5	1.4	
1411	Ponquogue Bridge, Shinnecock Bay.....	40 51	72 30	+0 29	+0 14	-2.3	0.0	2.3	2.8	1.2	
1413	Potunk Point, Moriches Bay.....	40 48	72 39	+3 35	+3 35	*0.11	*0.11	0.5	0.6	0.2	
1415	Moriches Inlet.....	40 46	72 45	-0 56	-1 11	*0.63	*0.63	2.9	3.5	1.4	
1417	Mastic Beach, Moriches Bay.....	40 45	72 50	+3 28	+3 39	*0.11	*0.11	0.5	0.6	0.2	
1419	Fire Island Breakwater.....	40 37	73 18	-0 39	-0 51	-0.5	0.0	4.1	5.0	2.0	
1421	Democrat Point, Fire Island Inlet.....	40 38	73 18	-0 38	-0 29	*0.57	*0.57	2.6	3.1	1.3	
1422	Great South Bay										
1422	Fire Island Coast Guard Station.....	40 38	73 16	-0 19	-0 17	*0.41	*0.41	1.9	2.3	0.9	
1423	Fire Island Radiobeacon.....	40 38	73 13	+0 47	+1 20	*0.15	*0.15	0.7	0.8	0.3	
1425	West Fire Island.....	40 39	73 12	+2 11	+2 16	*0.13	*0.13	0.6	0.7	0.3	
1427	Point o' Woods.....	40 39	73 08	+2 28	+2 33	*0.15	*0.15	0.7	0.8	0.3	
1429	Bellport, Bellport Bay.....	40 45	72 56	+3 44	+4 17	*0.17	*0.17	0.8	1.0	0.4	
1431	Patchogue.....	40 45	73 01	+3 23	+3 47	*0.15	*0.15	0.7	0.8	0.3	
1433	Sayville (Brown Creek).....	40 44	73 04	+3 39	+3 44	*0.13	*0.13	0.6	0.7	0.3	
1435	Great River, Connetquot River.....	40 43	73 09	+3 20	+3 30	*0.15	*0.15	0.7	0.8	0.3	
1437	Bay Shore.....	40 43	73 14	+2 23	+2 39	*0.13	*0.13	0.6	0.7	0.3	
1439	Oakbeach.....	40 38	73 17	+2 24	+2 56	*0.15	*0.15	0.7	0.8	0.3	
1441	Babylon.....	40 41	73 19	+2 12	+2 39	*0.13	*0.13	0.6	0.7	0.3	
1443	Gilgo Heading.....	40 37	73 24	+2 23	+2 56	*0.24	*0.24	1.1	1.3	0.5	
1445	Amityville.....	40 39	73 25	+2 21	+3 03	*0.26	*0.26	1.2	1.4	0.6	
1447	Biltmore Shores, South Oyster Bay.....	40 40	73 28	+2 05	+2 30	*0.30	*0.30	1.4	1.7	0.7	
1449	Jones Inlet (Point Lookout).....	40 35	73 35	-0 19	-0 27	*0.78	*0.78	3.6	4.3	1.8	
1451	Hempstead Bay										
1451	Deep Creek Meadow.....	40 36	73 32	+1 02	+1 09	*0.52	*0.52	2.4	2.9	1.2	
1453	Green Island.....	40 37	73 30	+1 22	+1 29	*0.41	*0.41	1.9	2.3	0.9	
1455	Cuba Island.....	40 37	73 31	+1 08	+1 20	*0.50	*0.50	2.3	2.8	1.1	
1457	Bellmore, Bellmore Creek.....	40 40	73 31	+1 29	+1 56	*0.43	*0.43	2.0	2.4	1.0	
1459	Heds Creek.....	40 37	73 33	+0 50	+0 52	-1.9	0.0	2.7	3.3	1.3	
1461	Freeport Creek.....	40 38	73 34	+0 34	+0 27	-1.5	0.0	3.1	3.8	1.5	
1463	Freeport, Baldwin Bay.....	40 38	73 35	+0 38	+0 53	-1.6	0.0	3.0	3.6	1.5	
1465	Long Beach.....	40 36	73 39	+0 19	0 00	-0.7	0.0	3.9	4.7	1.9	
1467	Long Beach (outer coast).....	40 35	73 39	-0 29	-0 35	-0.1	0.0	4.5	5.4	2.2	
1469	Hempstead Bay-Continued										
1469	East Rockaway.....	40 38	73 40	+0 42	+0 45	-0.7	0.0	3.9	4.7	1.9	
1471	Woodmere, Brosevere Bay.....	40 37	73 42	+0 35	+0 48	-0.7	0.0	3.9	4.7	1.9	
1473	East Rockaway Inlet.....	40 36	73 44	-0 06	-0 16	-0.5	0.0	4.1	5.0	2.0	
1475	Jamaica Bay										
1475	Plumb Beach Channel.....	40 35	73 55	+0 03	-0 05	+0.3	0.0	4.9	5.9	2.4	
1477	Barren Island, Rockaway Inlet.....	40 35	73 53	0 00	-0 06	+0.4	0.0	5.0	6.0	2.5	
1479	Beach Channel (bridge).....	40 35	73 49	+0 38	+0 22	+0.5	0.0	5.1	6.2	2.5	
1481	Mott's Basin.....	40 37	73 46	+0 40	+0 46	+0.8	0.0	5.4	6.5	2.7	
1483	Norton Point, Head of Bay.....	40 38	73 45	+0 39	+0 43	+0.8	0.0	5.4	6.5	2.7	
1485	J. F. K. International Airport.....	40 37	73 47	+0 26	+0 43	+0.7	0.0	5.3	6.4	2.6	
1487	Grassy Bay (bridge).....	40 39	73 50	+0 44	+0 45	+0.6	0.0	5.2	6.3	2.6	
1489	Canarsie.....	40 38	73 53	+0 28	+0 06	+0.6	0.0	5.2	6.3	2.6	
1491	Mill Basin.....	40 37	73 55	+0 29	+0 02	+0.6	0.0	5.2	6.3	2.6	
	NEW YORK and NEW JERSEY New York Harbor										
1493	Coney Island.....	40 34	73 59	-0 03	-0 19	+0.1	0.0	4.7	5.7	2.3	
1495	Norton Point, Gravesend Bay.....	40 35	74 00	-0 03	+0 01	+0.1	0.0	4.7	5.7	2.3	
1497	Fort Wadsworth, The Narrows.....	40 36	74 03	+0 02	+0 12	-0.3	0.0	4.3	5.2	2.1	
1499	Fort Hamilton, The Narrows.....	40 37	74 02	+0 03	+0 05	+0.1	0.0	4.7	5.7	2.3	
	on NEW YORK, p.56										
1501	Bay Ridge.....	40 38	74 02	-0 24	-0 24	+0.1	0.0	4.6	5.5	2.3	
1503	St. George, Staten Island.....	40 39	74 04	-0 21	-0 18	0.0	0.0	4.5	5.4	2.2	
1505	Bayonne, New Jersey.....	40 41	74 06	-0 19	-0 08	0.0	0.0	4.5	5.4	2.2	
1507	Gowanus Bay.....	40 40	74 01	-0 19	-0 15	-0.1	0.0	4.4	5.3	2.2	
1509	Governors Island.....	40 42	74 01	-0 11	-0 06	-0.1	0.0	4.4	5.3	2.2	
1511	NEW YORK (The Battery).....	40 42	74 01	Daily Predictions				4.5	5.4	2.2	
	Hudson River <8>										
1513	Jersey City, Con Rail RR. Ferry, N. J....	40 43	74 02	+0 07	+0 07	-0.1	0.0	4.4	5.3	2.2	
1515	New York, Desbrosses Street.....	40 43	74 01	+0 10	+0 10	-0.1	0.0	4.4	5.3	2.2	
1517	New York, Chelsea Docks.....	40 45	74 01	+0 17	+0 16	-0.2	0.0	4.3	5.2	2.1	
1519	Hoboken, Castle Point, N. J.....	40 45	74 01	+0 17	+0 16	-0.2	0.0	4.3	5.2	2.1	
1521	Weehawken, Days Point, N. J.....	40 46	74 01	+0 24	+0 23	-0.3	0.0	4.2	5.0	2.1	
1523	New York, Union Stock Yards.....	40 47	74 00	+0 27	+0 26	-0.3	0.0	4.2	5.0	2.1	
1525	New York, 130th Street.....	40 49	73 58	+0 37	+0 35	-0.5	0.0	4.0	4.8	2.0	
1527	George Washington Bridge.....	40 51	73 57	+0 46	+0 43	-0.6	0.0	3.9	4.6	1.9	
1529	Spuytten Duyvil, west of RR. bridge.....	40 53	73 56	+0 58	+0 53	-0.7	0.0	3.8	4.5	1.9	
1531	Yonkers.....	40 56	73 54	+1 09	+1 10	-0.8	0.0	3.7	4.4	1.8	

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	ft	ft	
		° ' N	° ' W	h. m.	h. m.	ft	ft	ft	ft	ft
	Hudson River <8> Time meridian, 75°W			on NEW YORK, p.56						
1533	Dobbs Ferry.....	41 01	73 53	+1 29	+1 40	-1.1	0.0	3.4	4.0	1.7
1535	Tarrytown.....	41 05	73 52	+1 45	+1 54	-1.3	0.0	3.2	3.7	1.6
1537	Ossining.....	41 10	73 52	+1 53	+2 14	-1.4	0.0	3.1	3.6	1.5
1539	Haverstraw.....	41 12	73 58	+1 59	+2 25	-1.6	0.0	2.9	3.4	1.4
1541	Peekskill.....	41 17	73 56	+2 24	+3 00	-1.3	+0.3	2.9	3.4	1.7
1543	West Point.....	41 24	73 57	+3 16	+3 37	-1.5	+0.3	2.7	3.1	1.6
1545	Newburgh.....	41 30	74 00	+3 42	+4 00	-1.5	+0.2	2.8	3.2	1.6
1547	New Hamburg.....	41 35	73 57	+4 00	+4 25	-1.5	+0.1	2.9	3.3	1.5
1549	Poughkeepsie.....	41 42	73 57	+4 30	+4 43	-1.3	+0.1	3.1	3.5	1.6
1551	Hyde Park.....	41 47	73 57	+4 56	+5 09	-1.3	0.0	3.2	3.6	1.6
1553	Kingston Point.....	41 56	73 58	+5 16	+5 31	-0.9	-0.1	3.7	4.2	1.7
1555	Tivoli.....	42 04	73 56	+5 46	+6 01	-0.8	-0.2	3.9	4.4	1.7
1557	Catskill.....	42 13	73 51	+6 37	+6 55	-0.7	-0.3	4.1	4.6	1.7
1559	Hudson.....	42 15	73 48	+6 54	+7 09	-0.9	-0.4	4.0	4.4	1.6
				on ALBANY, p.60						
1561	Coxsackie.....	42 21	73 48	-1 01	-1 38	-0.5	+0.2	3.9	4.3	2.1
1563	New Baltimore.....	42 27	73 47	-0 34	-0 56	-0.1	+0.4	4.1	4.5	2.4
1565	Castleton-on-Hudson.....	42 32	73 46	-0 17	-0 29	-0.2	+0.1	4.3	4.7	2.2
1567	ALBANY.....	42 39	73 45	Daily predictions				4.6	5.0	2.5
1569	Troy.....	42 44	73 42	+0 08	+0 10	+0.1	0.0	4.7	5.1	2.3
	The Kills and Newark Bay			on NEW YORK, p.56						
	Kill Van Kull									
1571	Constable Hook.....	40 39	74 05	-0 34	-0 21	0.0	0.0	4.5	5.4	2.2
1573	New Brighton.....	40 39	74 05	-0 12	-0 18	0.0	0.0	4.5	5.4	2.2
1575	Port Richmond.....	40 38	74 08	-0 03	+0 05	0.0	0.0	4.5	5.4	2.2
1577	Bergen Point.....	40 39	74 08	+0 03	+0 03	+0.1	0.0	4.6	5.5	2.3
1579	Shooters Island.....	40 39	74 10	+0 06	+0 18	+0.1	0.0	4.6	5.5	2.3
1581	Port Newark Terminal.....	40 41	74 08	-0 01	+0 18	+0.6	0.0	5.1	6.1	2.5
1583	Newark, Passaic River.....	40 44	74 10	+0 22	+0 52	+0.6	0.0	5.1	6.1	2.5
1585	Passaic, Gregory Ave. bridge.....	40 51	74 07	+0 49	+1 57	+0.6	0.0	5.1	6.1	2.5
	Hackensack River									
1586	Kearny Point.....	40 44	74 06	+0 09	+0 33	+0.5	0.0	5.0	6.0	2.5
1587	Secaucus.....	40 48	74 04	+1 13	+1 09	+0.6	0.0	5.1	6.1	2.6
1588	Little Ferry.....	40 51	74 02	+1 22	+1 14	+0.8	0.0	5.3	6.4	2.7
1589	Hackensack.....	40 53	74 02	+1 33	+1 58	+0.8	0.0	5.3	6.4	2.6
	Arthur Kill			on SANDY HOOK, p.64						
1591	Elizabethport.....	40 39	74 11	+0 25	+0 39	+0.3	0.0	4.9	5.9	2.4
1593	Chelsea.....	40 36	74 12	+0 24	+0 35	+0.4	0.0	5.0	6.0	2.5
1595	Carteret.....	40 35	74 13	+0 23	+0 31	+0.5	0.0	5.1	6.2	2.6
1597	Rossville.....	40 33	74 13	+0 17	+0 25	+0.7	0.0	5.3	6.4	2.6
1599	Tottenville.....	40 31	74 15	+0 03	+0 13	+0.7	0.0	5.3	6.4	2.6
1601	Perth Amboy.....	40 30	74 16	+0 13	+0 19	+0.6	0.0	5.2	6.3	2.6
	Lower New York Bay, Raritan Bay, etc.									
1603	New Dorp Beach.....	40 34	74 06	-0 04	+0 04	+0.3	0.0	4.9	5.9	2.4
1605	Great Kills Harbor.....	40 33	74 08	+0 07	+0 19	+0.1	0.0	4.7	5.7	2.4
1607	Princes Bay.....	40 31	74 12	+0 01	+0 04	+0.3	0.0	4.9	5.9	2.4
	Raritan River									
1609	South Amboy.....	40 29	74 17	+0 05	+0 15	+0.4	0.0	5.0	6.0	2.5
1611	Washington Canal.....	40 28	74 22	+0 34	+0 50	+1.0	0.0	5.6	6.8	2.8
1613	South River highway bridge.....	40 27	74 22	+0 55	+1 02	+0.9	0.0	5.5	6.7	2.8
1615	New Brunswick.....	40 29	74 26	+0 46	+1 26	+1.2	0.0	5.8	7.0	2.9
1617	Keyport.....	40 26	74 12	+0 08	+0 19	+0.4	0.0	5.0	6.0	2.5
1619	Keansburg.....	40 27	74 09	-0 03	-0 01	+0.3	0.0	4.9	5.9	2.4
1621	Port Monmouth.....	40 26	74 05	-0 02	-0 02	+0.2	0.0	4.8	5.8	2.4
1623	Atlantic Highlands.....	40 25	74 02	-0 01	0 00	+0.1	0.0	4.7	5.7	2.3
1625	SANDY HOOK.....	40 28	74 01	Daily predictions				4.6	5.6	2.3
	Sandy Hook Bay									
	Shrewsbury River									
1627	Highlands.....	40 24	73 59	+0 35	+0 55	-0.8	0.0	3.8	4.6	1.9
1629	Red Bank, Navesink River.....	40 21	74 04	+1 48	+2 23	*0.65	*0.65	3.0	3.6	1.5
1631	Normandie.....	40 23	73 59	+1 09	+1 45	*0.63	*0.63	2.9	3.5	1.4
1633	Sea Bright.....	40 21	73 59	+2 10	+2 38	*0.37	*0.37	1.7	2.1	0.8
1635	Branchport, Pleasure Bay.....	40 19	74 00	+3 00	+3 26	*0.37	*0.37	1.7	2.1	0.8
	NEW JERSEY, Outer Coast									
1637	Sea Bright.....	40 22	73 58	-0 34	-0 45	-0.2	0.0	4.4	5.3	2.2
1639	Long Branch.....	40 18	73 59	-0 34	-0 45	-0.2	0.0	4.4	5.3	2.2

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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 JERSEY and DELAWARE Delaware Bay, Eastern Shore Time meridian, 75°W										
on REEDY POINT, p.72										
1779	Fortescue.....	39 14	75 10	-2 05	-2 19	+0.4	0.0	5.9	7.0	2.9
1781	Ben Davis Point.....	39 17	75 17	-1 40	-1 49	+0.5	0.0	6.0	6.9	3.0
Cohansey River										
1783	Entrance.....	39 21	75 22	-1 30	-1 29	+0.5	0.0	6.0	6.9	3.0
1785	Laning Wharf.....	39 23	75 20	-1 10	-1 14	+0.5	0.0	6.0	6.8	3.0
1787	Fairton.....	39 23	75 14	+0 05	-0 24	+0.7	0.0	6.2	7.0	3.1
1789	Bridgeton.....	39 25	75 14	+0 27	-0 13	+1.0	0.0	6.5	7.3	3.2
1791	Bay Side.....	39 23	75 24	-1 23	-1 22	+0.6	0.0	6.1	6.9	3.0
DEL., N.J., and PA. Delaware Bay, Central Lighthouses										
on BREAKWATER HARBOR, p.68										
1793	Brandywine Shoal Light.....	38 59	75 07	+0 09	+0 28	+0.8	0.0	4.9	5.9	2.4
1795	Fourteen Foot Bank Light.....	39 03	75 11	+0 18	+0 48	+1.1	0.0	5.2	6.2	2.6
1797	Miah Maull Shoal Light.....	39 08	75 13	+0 28	+1 08	+1.4	0.0	5.5	6.5	2.7
1799	Elbow of Cross Ledge Light.....	39 11	75 16	+0 40	+1 21	+1.5	0.0	5.6	6.5	2.8
on REEDY POINT, p.72										
1801	Ship John Shoal Light.....	39 18	75 23	-1 32	-1 36	+0.2	0.0	5.7	6.6	2.8
Delaware Bay, Western Shore										
on BREAKWATER HARBOR, p.68										
1803	Cape Henlopen.....	38 48	75 05	-0 05	-0 05	0.0	0.0	4.1	4.9	2.0
1805	BREAKWATER HARBOR.....	38 47	75 06	Daily predictions				4.1	4.9	2.1
1807	Roosevelt Inlet.....	38 49	75 12	+0 09	+0 13	+0.3	0.0	4.4	5.2	2.2
1809	Mispillion River entrance.....	38 57	75 19	+0 33	+1 00	+0.5	0.0	4.6	5.4	2.3
1811	Murderkill River entrance.....	39 04	75 24	+0 56	+1 32	+0.7	0.0	4.8	5.7	2.4
1813	St. Jones River entrance.....	39 04	75 24	+0 57	+1 33	+0.7	0.0	4.8	5.7	2.4
1815	Mahon River entrance.....	39 11	75 24	+1 13	+1 52	+1.3	0.0	5.4	6.3	2.7
1817	Leipsic River entrance.....	39 15	75 24	+1 18	+1 59	+1.4	0.0	5.5	6.4	2.7
1819	Leipsic, Leipsic River.....	39 15	75 31	+3 42	+3 50	-0.6	0.0	3.5	4.0	1.7
on REEDY POINT, p.72										
1821	Woodland Beach.....	39 20	75 28	-1 15	-1 14	+0.4	0.0	5.9	6.8	2.9
Delaware River										
1823	Liston Point.....	39 25	75 32	-0 55	-0 59	+0.2	0.0	5.7	6.4	2.8
1825	Taylor's Bridge, Blackbird Creek.....	39 24	75 36	+1 47	+0 54	-2.6	0.0	2.9	3.3	1.4
1827	Reedy Island.....	39 31	75 34	-0 16	-0 16	+0.1	0.0	5.6	6.2	2.8
1831	Salem, Salem River.....	39 35	75 28	+0 19	+0 20	+0.1	0.0	5.6	6.1	2.8
1833	REEDY POINT.....	39 34	75 34	Daily predictions				5.5	6.0	2.7
Chesapeake and Delaware Canal										
1835	Biddle Point, Delaware.....	39 33	75 37	-0 05	+0 01	-0.4	0.0	5.1	5.5	2.5
1837	Summit Bridge, Delaware.....	39 33	75 44	-0 34	-0 55	+0.64	+0.64	3.5	3.9	1.7
1839	Chesapeake City, Maryland.....	39 32	75 49	-0 30	-1 06	+0.49	+0.49	2.7	3.0	1.4
1841	Pea Patch Island, Delaware.....	39 35	75 34	+0 08	+0 12	0.0	0.0	5.5	6.0	2.7
1843	New Castle, Delaware.....	39 39	75 34	+0 30	+0 49	+0.1	0.0	5.6	6.0	2.8
1845	Deepwater Point, N. J.....	39 42	75 31	+0 46	+1 11	+0.1	0.0	5.6	6.0	2.8
1847	Christina River entrance, Del.....	39 43	75 31	+0 51	+1 16	+0.1	0.0	5.6	5.9	2.8
1849	Wilmington, Christina River, Del.....	39 44	75 33	+0 56	+1 27	+0.2	0.0	5.7	6.0	2.8
1851	Edgemoor, Del.....	39 45	75 30	+0 56	+1 27	+0.1	0.0	5.6	5.9	2.8
1853	Oldmans Point, N. J.....	39 46	75 28	+1 03	+1 34	+0.1	0.0	5.6	5.9	2.8
on PHILADELPHIA, p.76										
1855	Marcus Hook, Pa.....	39 49	75 25	-1 12	-1 06	-0.6	0.0	5.6	5.9	2.8
1857	Chester, Pa.....	39 51	75 21	-0 51	-0 45	-0.5	0.0	5.7	6.0	2.8
1859	Billingsport, N. J.....	39 51	75 14	-0 31	-0 25	-0.5	0.0	5.7	6.0	2.8
1861	Fort Mifflin, Pa.....	39 52	75 13	-0 21	-0 15	-0.5	0.0	5.7	6.0	2.8
Schuylkill River										
1863	Girard Point, Pa.....	39 54	75 12	-0 17	-0 10	-0.5	0.0	5.7	6.0	2.8
1865	Point Breeze, Pa.....	39 55	75 12	-0 13	-0 05	-0.5	0.0	5.7	6.0	2.8
1867	Grays Ferry Bridge, Pa.....	39 57	75 12	-0 07	+0 01	-0.4	0.0	5.8	6.1	2.9
1869	Fairmount Bridge, Pa.....	39 58	75 11	+0 02	+0 11	-0.4	0.0	5.8	6.1	2.9
1871	Philadelphia, South Broad St., Pa.....	39 53	75 11	-0 17	-0 11	-0.4	0.0	5.8	6.1	2.9
1873	Gloucester City, N. J.....	39 54	75 08	-0 05	+0 02	-0.4	0.0	5.8	6.1	2.9
1875	Philadelphia, Washington Ave., Pa.....	39 56	75 08	+0 04	+0 11	-0.3	0.0	5.9	6.2	3.0
1877	PHILADELPHIA, Pier 11 North, Pa.....	39 57	75 08	Daily predictions				6.2	6.6	3.1
1879	Camden, Cooper Point, N. J.....	39 57	75 08	+0 12	+0 19	-0.3	0.0	5.9	6.2	3.0
1881	Philadelphia, Pier 80 N (old site), Pa..	39 58	75 07	+0 18	+0 26	-0.3	0.0	5.9	6.2	3.0
1883	Philadelphia, Bridesburg, Pa.....	40 00	75 04	+0 34	+0 43	-0.2	0.0	6.0	6.3	3.0
1885	Torresdale, Pa.....	40 03	74 59	+1 06	+1 17	0.0	0.0	6.2	6.5	3.1

Endnotes can be found at the end of table 2.

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 JERSEY and PENNSYLVANIA Delaware River-Continued Time meridian, 75°W on PHILADELPHIA, p.76										
1887	Burlington, N. J.....	40 05	74 52	+1 30	+1 43	+0.2	0.0	6.4	6.7	3.2
1889	Bristol, Pa.....	40 06	74 51	+1 37	+1 51	+0.3	0.0	6.5	6.8	3.3
1891	Florence, N. J.....	40 07	74 48	+1 47	+2 05	+0.4	0.0	6.6	6.9	3.3
1893	Bordentown, N. J.....	40 09	74 43	+1 49	+2 15	+0.5	0.0	6.7	7.0	3.3
1895	Trenton, N. J.....	40 11	74 45	+1 55	+2 40	+0.6	0.0	6.8	7.1	3.4
DELAWARE, Outer Coast on SANDY HOOK, p.64										
1897	Rehoboth Beach.....	38 43	75 05	-0 07	-0 21	-0.7	0.0	3.9	4.7	1.9
	Indian River									
1899	Inlet (bridge).....	38 37	75 04	+0 34	-0 18	*0.59	*0.59	2.7	3.2	1.3
1900	Inlet (Coast Guard Station).....	38 37	75 04	+0 41	-0 18	*0.46	*0.46	2.1	2.5	1.1
1901	Oak Orchard.....	38 36	75 10	+2 44	+3 11	*0.20	*0.20	0.9	1.1	0.5
1903	Possum Point.....	38 35	75 16	+3 09	+4 00	*0.22	*0.22	1.0	1.2	0.5
1905	Rehoboth Bay.....	- - -	- - -	- - -	- - -	- - -	- - -	0.5	0.6	0.2
1907	Fenwick Island Light.....	38 27	75 03	-0 13	-0 19	-0.9	0.0	3.7	4.5	1.8
MARYLAND, Outer Coast										
1909	Ocean City (outer coast).....	38 20	75 05	-0 28	-0 30	-1.2	0.0	3.4	4.1	1.7
1910	Ocean City (Isle of Wight Bay).....	38 20	75 05	-0 14	-0 25	-2.4	0.0	2.2	2.7	1.1
1911	North Beach Coast Guard Station.....	38 12	75 09	-0 28	-0 29	-1.2	0.0	3.4	4.1	1.7
MARYLAND and VIRGINIA Chincoteague Bay										
1913	Assateague Beach, Toms Cove.....	37 52	75 22	+0 06	+0 16	-1.0	0.0	3.6	4.4	1.8
1915	Chincoteague Point.....	37 54	75 25	+0 05	+0 11	*0.57	*0.57	2.6	3.1	1.3
1917	Bogues Bay, Chincoteague Inlet.....	37 53	75 30	+0 38	+0 57	-1.6	0.0	3.0	3.6	1.5
1918	Wishart Point, Bogues Bay.....	37 53	75 30	+0 20	+0 42	-2.0	0.0	2.6	3.1	1.3
1919	Chincoteague, Chincoteague Channel.....	37 56	75 23	+0 40	+0 47	*0.37	*0.37	1.7	2.1	0.9
1921	Piney Island, Assateague Channel.....	37 56	75 21	+1 05	+1 13	*0.46	*0.46	2.1	2.5	1.0
1923	Greenbackville.....	38 00	75 23	+2 19	+2 48	*0.13	*0.13	0.6	0.7	0.3
1925	George Island Landing.....	38 02	75 22	+2 53	+3 02	*0.13	*0.13	0.6	0.7	0.3
1927	Assacorkin Island.....	38 04	75 19	+3 33	+3 42	*0.09	*0.09	0.4	0.5	0.2
1928	Public Landing.....	38 09	75 17	+4 58	+5 27	*0.09	*0.09	0.4	0.5	0.2
VIRGINIA, Outer Coast										
1929	Wallops Island.....	37 50	75 29	-0 23	-0 32	-1.0	0.0	3.6	4.4	1.8
1930	Gargathy Neck.....	37 47	75 34	+1 05	+0 56	-1.6	0.0	3.0	3.6	1.5
1931	Metomkin Inlet.....	37 40	75 36	+0 35	+0 12	-1.0	0.0	3.6	4.4	1.8
1932	Folly Creek, Metomkin Inlet.....	37 42	75 38	+0 58	+0 41	-1.3	0.0	3.3	4.0	1.7
1933	Wachapreague Inlet (inside).....	37 35	75 37	+0 09	+0 03	-0.7	0.0	3.9	4.7	1.9
1935	Quinby Inlet entrance.....	37 28	75 40	+0 04	-0 12	-0.6	0.0	4.0	4.8	2.0
1937	The Swash, south end.....	37 30	75 40	+0 19	+0 14	-0.7	0.0	3.9	4.7	1.9
1939	Great Machipongo Inlet (inside).....	37 24	75 43	+0 36	+0 23	-0.7	0.0	3.9	4.7	1.9
1941	Upshur Neck, south end.....	37 28	75 48	+0 50	+0 52	-0.2	0.0	4.4	5.3	2.2
1943	Sand Shoal Inlet (Coast Guard Station).....	37 18	75 47	+0 08	-0 11	-0.5	0.0	4.1	4.9	2.0
1945	Ship Shoal Inlet.....	37 13	75 48	+0 26	+0 09	-0.6	0.0	4.0	4.8	2.0
1947	Smith Island (Coast Guard Station).....	37 07	75 55	+0 23	+0 59	-1.1	0.0	3.5	4.2	1.7
Chesapeake Bay, Eastern Shore on HAMPTON ROADS, p.88										
1949	Fishermans Island.....	37 06	75 59	-0 43	-0 55	+0.5	0.0	3.0	3.6	1.5
1951	Kiptopeke Beach (ferry).....	37 10	75 59	-0 36	-0 30	+0.2	0.0	2.7	3.2	1.4
1953	Old Plantation Flats.....	37 14	76 03	-0 23	-0 10	-0.1	0.0	2.4	2.9	1.2
1955	Cape Charles Harbor.....	37 16	76 01	-0 14	+0 02	-0.1	0.0	2.4	2.9	1.2
1957	Nassawadox Creek.....	37 28	75 58	+1 00	+0 53	-0.7	0.0	1.8	2.2	0.9
1959	Gaskins Point, Occohannock Creek.....	37 33	75 55	+1 36	+2 08	-0.8	0.0	1.7	2.0	0.9
1961	Pungoteague Creek.....	37 40	75 50	+2 26	+2 42	-0.8	0.0	1.7	2.0	0.8
1963	Onancock, Onancock Creek.....	37 43	75 45	+2 56	+3 14	-0.7	0.0	1.8	2.2	0.9
1965	Watts Island.....	37 48	75 54	+3 03	+3 07	-0.9	0.0	1.6	1.9	0.8
1967	Tangier Sound Light.....	37 47	75 58	+2 55	+2 53	*0.64	*0.64	1.6	1.9	0.8
1969	Muddy Creek Entrance.....	37 51	75 40	+3 18	+3 48	-0.3	0.0	2.2	2.6	1.1
1970	Guard Shore.....	37 51	75 42	+3 07	+3 42	-0.2	0.0	2.3	2.7	1.2
MARYLAND Chesapeake Bay, Eastern Shore										
1971	Ape Hole Creek, Pocomoke Sound.....	37 58	75 49	+3 28	+3 53	-0.2	0.0	2.3	2.8	1.1
	Pocomoke River									
1973	Shelltown.....	37 59	75 38	+3 33	+4 11	-0.1	0.0	2.4	2.9	1.2
1975	Pocomoke City.....	38 05	75 34	+5 50	+6 10	-0.9	0.0	1.6	2.0	0.8
1976	Snowhill, city park.....	38 10	75 24	+7 36	+7 48	-0.6	0.0	1.9	2.3	1.0
1977	Janes Island Light.....	37 58	75 55	+3 55	+3 55	-0.7	0.0	1.8	2.2	0.9
1979	Crisfield, Little Annemessex River.....	37 59	75 52	+3 51	+4 00	-0.5	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

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
	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 Bayville.....	36 54	76 06	+0 50	+1 43	-0.8	0.0	1.7	2.0	0.9
2437	Buchanan Creek entrance.....	36 52	76 07	+1 00	+1 51	-0.6	0.0	1.9	2.3	0.9
2438	Long Creek.....	36 54	76 04	+0 48	+1 19	*0.32	*0.32	0.8	1.0	0.4
2439	Brown Cove.....	36 52	76 04	+0 46	+1 43	-0.8	0.0	1.7	2.0	0.8
2440	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
2483	Cape Fear River 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	Daily predictions				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.

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	
	South Carolina, Winyah Bay Time meridian, 75°W	N	W	on CHARLESTON, p.96							
2523	Frazier Point.....	33 19	79 17	+1 19	+2 03	-1.7	0.0	3.5	4.1	1.7	
2525	Georgetown, Sampit River.....	33 22	79 17	+1 27	+2 25	*0.63	*0.63	3.3	3.9	1.6	
2527	Georgetown, Pee Dee River bridge.....	33 22	79 16	+1 34	+2 35	*0.63	*0.63	3.3	3.9	1.6	
	Waccamaw River										
2529	Schooner Creek entrance.....	33 27	79 10	+2 21	+3 18	*0.62	*0.62	3.2	3.8	1.6	
2531	Wachesaw Ldg., 1 mile south of.....	33 33	79 06	+3 06	+4 08	*0.56	*0.56	2.9	3.4	1.4	
2533	Bull Creek entrance.....	33 36	79 06	+3 38	+4 41	*0.44	*0.44	2.3	2.7	1.1	
2535	Enterprise Landing.....	33 40	79 04	+4 54	+5 31	*0.38	*0.38	2.0	2.4	1.0	
2537	Toddville.....	33 45	79 04	+7 10	+7 07	*0.25	*0.25	1.3	1.5	0.6	
2539	Conway.....	33 50	79 02	+7 47	+7 56	*0.23	*0.23	1.2	1.4	0.6	
	SOUTH CAROLINA, Outer Coast-Con.										
2541	North Santee River Inlet.....	33 08	79 15	-0 16	0 00	-0.7	0.0	4.5	5.3	2.2	
2543	Minim Creek ent., North Santee River....	33 12	79 16	-0 02	+1 02	-1.3	0.0	3.9	4.6	1.9	
2544	Cedar Island Point, South Santee River..	33 07	79 16	-0 23	+0 04	-1.1	0.0	4.1	4.8	2.0	
2545	Brown Island, South Santee River.....	33 09	79 20	+0 20	+1 27	-1.1	0.0	4.1	4.8	2.0	
2547	Cape Romain.....	33 01	79 21	-0 29	-0 21	-0.5	0.0	4.7	5.5	2.3	
2549	Cape Romain, 46 miles east of.....	33 05	78 26	-1 12	-1 17	-1.1	0.0	4.1	4.8	2.0	
	Bull Bay										
2551	Five Fathom Creek entrance.....	33 00	79 30	-0 13	-0 11	-0.3	0.0	4.9	5.8	2.4	
2553	McClellanville, Jeremy Creek.....	33 05	79 28	+0 20	+0 21	-0.1	0.0	5.1	6.0	2.5	
2555	Harbor River entrance.....	33 02	79 32	-0 04	+0 32	-0.3	0.0	4.9	5.8	2.4	
2557	Jack Creek entrance.....	32 56	79 35	-0 21	-0 19	-0.2	0.0	5.0	5.9	2.5	
2559	Wharf Creek entrance.....	32 55	79 37	+0 05	-0 12	-0.1	0.0	5.1	6.0	2.5	
2561	Sewee Bay.....	32 56	79 39	+0 06	+0 07	-0.2	0.0	5.0	5.9	2.5	
2563	Capers Inlet.....	32 51	79 42	-0 16	-0 14	0.0	0.0	5.2	6.1	2.6	
2565	Dewees Inlet.....	32 50	79 44	-0 09	-0 16	-0.2	0.0	5.0	5.9	2.5	
2567	Isle of Palms (outer coast).....	32 47	79 47	-0 16	-0 17	0.0	0.0	5.2	6.1	2.6	
2569	Sullivan's Island (outer coast).....	32 46	79 50	-0 15	-0 16	0.0	0.0	5.2	6.1	2.6	
	Charleston Harbor										
2571	Entrance (north jetty).....	32 44	79 48	-0 16	-0 19	0.0	0.0	5.2	6.1	2.6	
2573	Fort Sumter.....	32 45	79 52	-0 09	-0 13	-0.2	0.0	5.0	5.9	2.5	
2575	The Cove.....	32 46	79 52	-0 08	-0 06	-0.1	0.0	5.1	6.0	2.6	
2577	CHARLESTON (Customhouse Wharf).....	32 47	79 55	Daily predictions				5.2	6.1	2.6	
2579	Shipyards Creek, 0.8 mile above entrance.	32 50	79 57	+0 27	+0 16	+0.1	0.0	5.3	6.3	2.6	
	Cooper River										
2581	North Charleston.....	32 52	79 58	+0 40	+0 36	0.0	0.0	5.2	6.1	2.6	
2583	Goose Creek entrance.....	32 54	79 57	+0 50	+0 40	0.0	0.0	5.2	6.1	2.6	
2585	Yeamans Hall, Goose Creek.....	32 56	79 59	+2 36	+2 03	-0.2	0.0	5.0	5.9	2.5	
2587	Snow Point, north of.....	32 57	79 56	+1 27	+1 14	-0.3	0.0	4.9	5.8	2.4	
2589	Dean Hall.....	33 03	79 56	+2 46	+2 27	-1.1	0.0	4.1	4.8	2.0	
2591	Quimby Creek, East Branch.....	33 06	79 49	+4 08	+3 47	-0.9	0.0	4.3	5.1	2.1	
2593	RR. bridge, West Branch.....	33 06	79 57	+3 18	+3 05	-1.0	0.0	4.2	5.0	2.1	
	Wando River										
2597	Cainhoy.....	32 55	79 50	+0 57	+0 39	+0.8	0.0	6.0	7.1	3.0	
2599	Woodville.....	32 55	79 44	+2 07	+1 22	+1.1	0.0	6.3	7.4	3.2	
	Ashley River										
2601	Wappoo Creek (highway bridge).....	32 46	79 58	+0 22	+0 22	0.0	0.0	5.2	6.1	2.6	
2603	Highway bridge.....	32 47	79 58	+0 22	+0 15	0.0	0.0	5.2	6.1	2.6	
2605	Highway bridge (2 miles above).....	32 50	79 58	+0 25	+0 17	+0.3	0.0	5.5	6.5	2.8	
2607	Bees Ferry bridge.....	32 51	80 03	+1 14	+1 07	+0.3	0.0	5.5	6.4	2.8	
2609	Magnolia Gardens.....	32 53	80 05	+1 16	+1 06	+0.4	0.0	5.6	6.6	2.8	
2611	Greggs Landing.....	32 56	80 09	+1 47	+1 35	+0.9	0.0	6.1	7.2	3.0	
	SOUTH CAROLINA, Outer Coast-Con.										
2613	Folly Island (outer coast).....	32 39	79 56	-0 15	-0 18	0.0	0.0	5.2	6.1	2.6	
2615	Folly River (below bridge).....	32 39	79 58	+0 13	-0 09	+0.2	0.0	5.4	6.4	2.7	
2617	Legareville, 1 mile above, Stono River..	32 41	80 00	+0 13	+0 06	0.0	0.0	5.2	6.1	2.6	
2619	Elliott Cut, Stono River.....	32 46	80 00	+0 48	+0 49	0.0	0.0	5.2	6.1	2.6	
2621	Church Flats, RR. bridge, Stono River...	32 45	80 08	+2 06	+1 47	+0.5	0.0	5.7	6.7	2.8	
	North Edisto River										
2623	Rockville, Bohicket Creek.....	32 36	80 12	+0 20	+0 05	+0.6	0.0	5.8	6.8	2.9	
2624	Point of Pines.....	32 35	80 14	+0 16	+0 11	+0.4	0.0	5.6	6.5	2.8	
2625	Dawho River entrance.....	32 38	80 16	+0 46	+0 27	+0.9	0.0	6.1	7.2	3.0	
2627	Dawho Ferry, Dawho River.....	32 38	80 20	+1 18	+1 00	+1.3	0.0	6.5	7.7	3.2	
2629	Toogoodoo Creek, 2 miles above ent..	32 40	80 18	+1 11	+0 35	+1.2	0.0	6.4	7.6	3.2	
2631	Yonges Island, Wadmalaw River.....	32 41	80 14	+1 19	+0 34	+1.4	0.0	6.6	7.8	3.3	
2633	Ravens Point, Church Creek.....	32 42	80 09	+1 43	+0 49	+1.8	0.0	7.0	8.3	3.5	
	on SAVANNAH RIVER ENT., p.100										
2635	Edisto Beach, Edisto Island.....	32 30	80 18	-0 35	-0 41	-1.0	0.0	5.9	6.9	2.9	
	South Edisto River										
2637	Big Bay Creek entrance.....	32 30	80 20	0 00	-0 09	-0.8	0.0	6.1	7.2	3.0	
2639	Peters Point, St. Pierre Creek.....	32 32	80 21	+0 17	+0 04	-0.7	0.0	6.2	7.3	3.1	
2641	Watts Cut ent., 0.8 mile south of...	32 36	80 23	+0 38	+0 55	-0.6	0.0	6.3	7.4	3.1	
2643	Dawho River entrance.....	32 39	80 23	+1 28	+1 42	-0.6	0.0	6.3	7.4	3.1	
2645	Jacksonboro.....	32 46	80 27	+3 16	+4 21	*0.28	*0.28	1.9	2.2	0.9	

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
	St. Helena Sound Time meridian, 75°W			on SAVANNAH RIVER ENT., p.100						
2647	Harbor River entrance.....	32 24	80 27	-0 01	-0 05	-0.8	0.0	6.1	7.1	3.0
2649	Combahee Bank.....	32 29	80 26	+0 04	+0 05	-0.7	0.0	6.2	7.3	3.1
2651	Seabrook, Ashepoo River.....	32 31	80 25	+0 13	+0 15	-0.7	0.0	6.2	7.3	3.1
2653	Hutchinson Island, Ashepoo River.....	32 33	80 29	+0 41	+0 52	-0.6	0.0	6.3	7.4	3.1
2655	Fields Point, Combahee River.....	32 34	80 33	+0 48	+0 58	-0.5	0.0	6.4	7.5	3.2
2657	Highway Bridge, Combahee River.....	32 39	80 41	+2 50	+2 51	*0.64	*0.64	4.4	5.1	2.2
2659	Lucy Point Creek ent., Morgan River.....	32 27	80 37	+0 58	+0 27	-0.1	0.0	6.8	8.0	3.4
2661	Summerhouse Point, Bull River.....	32 32	80 34	+1 03	+0 33	-0.3	0.0	6.6	7.8	3.3
2663	Brickyard Point, Coosaw River.....	32 30	80 40	+1 20	+1 07	+0.4	0.0	7.3	8.5	3.6
2665	Coosaw River.....	32 32	80 41	+1 25	+1 09	+0.3	0.0	7.2	8.4	3.6
2667	Fripp Inlet, Hunting Island.....	32 21	80 28	+0 01	-0 22	-0.7	0.0	6.2	7.3	3.1
	Port Royal Sound									
2669	Martins Industry.....	32 07	80 35	-0 30	-0 41	-0.5	0.0	6.4	7.6	3.2
2671	Hilton Head.....	32 14	80 40	-0 08	-0 16	-0.3	0.0	6.6	7.8	3.3
2673	Club Bridge Creek entrance.....	32 20	80 33	+0 30	-0 20	-0.1	0.0	6.8	8.0	3.4
2675	Station Creek.....	32 19	80 36	+0 28	-0 19	0.0	0.0	6.9	8.1	3.4
2677	Chowan Creek, Distant Island.....	32 23	80 38	+1 03	+0 30	+0.2	0.0	7.1	8.3	3.5
2679	Parris Island, Beaufort River.....	32 21	80 40	+0 35	+0 17	+0.2	0.0	7.1	8.3	3.5
2681	Port Royal, Battery Creek.....	32 22	80 41	+0 37	+0 24	+0.3	0.0	7.2	8.5	3.6
2683	Beaufort, Beaufort River.....	32 26	80 40	+1 13	+0 46	+0.5	0.0	7.4	8.7	3.7
2684	Colleton River Mouth.....	32 19	80 48	+0 46	+0 34	+0.4	0.0	7.3	8.5	3.7
2685	Victoria Bluff, Colleton River.....	32 18	80 48	+1 03	+0 37	+0.6	0.0	7.5	8.8	3.7
2687	Baileys Landing, Okatee River.....	32 21	80 54	+1 33	+0 59	+1.2	0.0	8.1	9.5	4.0
2689	Lemon Island, Chechessee River.....	32 22	80 50	+1 04	+0 45	+0.7	0.0	7.6	8.9	3.8
2691	Archers Creek entrance, Broad River.....	32 21	80 44	+0 41	+0 27	+0.2	0.0	7.1	8.3	3.5
2693	Corning Landing, Whale Branch.....	32 30	80 47	+1 29	+1 13	+1.0	0.0	7.9	9.2	3.9
2695	Skull Creek, north entrance.....	32 16	80 44	+0 26	+0 20	+0.1	0.0	7.0	8.3	3.5
2697	Skull Creek, south entrance.....	32 13	80 47	+0 33	+0 08	+0.7	0.0	7.6	9.0	3.8
2699	Haig Point, Daufuskie Island.....	32 09	80 50	+0 09	-0 07	+0.3	0.0	7.2	8.4	3.6
2701	Bluffton, May River.....	32 14	80 52	+0 54	+0 21	+1.2	0.0	8.1	9.5	4.0
2703	Daufuskie Landing, New River.....	32 06	80 54	+0 23	+0 24	+0.3	0.0	7.2	8.5	3.6
2705	Walls Cut, Turtle Island.....	32 05	80 55	+0 08	+0 16	+0.2	0.0	7.1	8.3	3.6
	GEORGIA Savannah River									
2707	Tybee Light.....	32 02	80 51	-0 08	-0 15	-0.1	0.0	6.8	8.0	3.4
2709	SAVANNAH RIVER ENTRANCE.....	32 02	80 54	Daily predictions				6.9	8.1	3.5
				on SAVANNAH, p.104						
2711	Fort Jackson.....	32 05	81 02	-0 07	-0 14	+0.1	0.0	7.5	8.7	3.8
2713	SAVANNAH.....	32 05	81 05	Daily predictions				7.4	8.6	3.7
2715	Port Wentworth.....	32 09	81 08	+0 33	+0 41	-0.4	0.0	7.0	8.1	3.5
2717	S.C.L. RR. bridge.....	32 14	81 09	+1 15	+2 12	-1.2	0.0	6.2	7.2	3.1
	Tybee Creek and Wassaw Sound			on SAVANNAH RIVER ENT., p.100						
2719	Tybee Creek entrance.....	31 59	80 51	-0 07	+0 02	-0.1	0.0	6.8	8.0	3.4
2721	Beach Hammock.....	31 57	80 56	+0 01	-0 10	0.0	0.0	6.9	8.1	3.4
2723	Romerly Marsh Creek.....	31 56	81 00	+0 10	-0 06	+0.2	0.0	7.1	8.3	3.5
2725	Wilmington River									
2725	Savannah-Oglethorpe Hotel.....	32 00	81 00	+0 16	+0 03	+0.9	0.0	7.8	9.1	3.9
2727	Thunderbolt.....	32 02	81 03	+0 34	+0 09	+1.0	0.0	7.9	9.2	3.9
2729	North entrance.....	32 04	81 00	+0 42	+0 41	+0.7	0.0	7.6	8.9	3.8
2731	Isle of Hope, Skidaway River.....	31 59	81 03	+0 52	+0 25	+0.9	0.0	7.8	9.1	3.9
	Ossabaw Sound									
2733	Egg Islands.....	31 50	81 05	+0 06	+0 07	+0.3	0.0	7.2	8.4	3.6
2735	Vernon View, Burnside River.....	31 56	81 06	+0 42	+0 28	+0.6	0.0	7.5	8.8	3.8
2737	Coffee Bluff, Forest River.....	31 56	81 09	+1 07	+0 39	+0.6	0.0	7.5	8.8	3.7
2739	Fort McAllister, Ogeechee River.....	31 53	81 13	+0 50	+1 13	0.0	0.0	6.9	8.1	3.4
2741	Highway bridge, Ogeechee River.....	31 59	81 17	+3 21	+4 22	*0.14	*0.14	1.0	1.2	0.5
2743	Cane Patch Creek entrance.....	31 49	81 09	+0 57	+0 40	+0.3	0.0	7.2	8.4	3.6
	St. Catherines and Sapelo Sounds									
2745	Walburg Creek entrance.....	31 42	81 09	+0 25	+0 20	+0.2	0.0	7.1	8.3	3.6
2747	Kilkenny Club, Kilkenny Creek.....	31 47	81 12	+0 31	+0 13	+1.0	0.0	7.9	9.2	3.9
2749	Sunbury, Medway River.....	31 46	81 17	+0 56	+0 42	+0.6	0.0	7.5	8.8	3.8
2751	Belfast, Belfast River.....	31 49	81 18	+1 25	+1 07	+0.9	0.0	7.8	9.1	3.9

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				
	FLORIDA, St. Johns River Time meridian, 75°W	N	W	h. m.	h. m.	ft	ft	ft	ft	ft	
				on MAYPORT, p.108							
2857	Pablo Creek bascule bridge.....	30 19	81 26	+1 39	+1 15	*0.64	*0.64	2.9	3.4	1.4	
2859	Fulton.....	30 23	81 30	+0 29	+0 42	-1.1	0.0	3.4	4.0	1.7	
2861	Dame Point.....	30 23	81 33	+0 46	+0 55	*0.67	*0.67	3.0	3.5	1.5	
2863	Phoenix Park (Cummers Mill).....	30 23	81 38	+0 58	+1 25	*0.44	*0.44	2.0	2.3	1.0	
2865	Jacksonville (Dredge Depot).....	30 21	81 37	+1 24	+1 50	*0.44	*0.44	2.0	2.3	1.0	
2867	Jacksonville (RR. bridge).....	30 19	81 40	+2 06	+2 13	*0.27	*0.27	1.2	1.4	0.6	
2869	Ortega River entrance.....	30 17	81 42	+2 27	+2 50	*0.20	*0.20	0.9	1.1	0.5	
2871	Orange Park.....	30 10	81 42	+3 49	+4 14	*0.16	*0.16	0.7	0.8	0.3	
2873	Green Cove Springs.....	30 00	81 40	+5 26	+6 13	*0.18	*0.18	0.8	0.9	0.4	
2875	East Tocol.....	29 51	81 34	+6 47	+7 18	*0.22	*0.22	1.0	1.2	0.5	
2877	Bridgeport.....	29 45	81 34	+6 58	+7 32	*0.24	*0.24	1.1	1.3	0.5	
2879	Palatka.....	29 39	81 38	+7 26	+8 21	*0.27	*0.27	1.2	1.4	0.6	
2881	Welaka.....	29 29	81 40	+7 46	+8 25	*0.11	*0.11	0.5	0.6	0.2	
	FLORIDA, East Coast										
2883	Atlantic Beach.....	30 20	81 24	-0 25	-0 18	+0.7	0.0	5.2	6.0	2.6	
2885	St. Augustine Inlet.....	29 53	81 17	-0 21	-0 01	0.0	0.0	4.5	5.3	2.2	
2887	St. Augustine.....	29 54	81 18	+0 14	+0 43	-0.3	0.0	4.2	5.0	2.1	
2889	Daytona Beach (ocean).....	29 14	81 00	-0 33	-0 32	-0.4	0.0	4.1	4.9	2.0	
				on MIAMI HARBOR ENT., p.112							
2891	Ponce de Leon Inlet.....	29 04	80 55	+0 06	+0 20	-0.2	0.0	2.3	2.7	1.2	
2893	Cape Canaveral.....	28 26	80 34	-0 41	-0 41	+1.0	0.0	3.5	4.1	1.8	
2894	Oak Hill, Mosquito Lagoon <21>.....	28 52	80 50	- - -	- - -	- - -	- - -	- - -	- - -	- - -	
	Indian River										
2895	Melbourne <22>.....	28 06	80 37	- - -	- - -	- - -	- - -	- - -	- - -	- - -	
2896	Palm Bay.....	28 02	80 35	+3 40	+4 19	*0.10	*0.10	0.2	0.2	0.1	
2897	Wabasso.....	27 45	80 26	+2 48	+3 19	*0.16	*0.16	0.4	0.5	0.2	
2898	Vero Beach.....	27 38	80 22	+3 21	+3 50	*0.32	*0.32	0.8	1.0	0.4	
2900	Fort Pierce.....	27 27	80 19	+1 08	+1 01	*0.48	*0.48	1.2	1.4	0.6	
2901	Jensen Beach.....	27 14	80 13	+2 40	+3 06	*0.40	*0.40	1.0	1.2	0.5	
2902	Sebastian Inlet.....	27 52	80 27	-0 24	-0 20	-0.4	0.0	2.1	2.5	1.0	
2903	Vero Beach (ocean).....	27 40	80 22	-0 31	-0 25	+0.9	0.0	3.4	4.0	1.7	
2905	Fort Pierce Inlet, south jetty.....	27 28	80 17	-0 09	-0 14	+0.1	0.0	2.6	3.1	1.3	
	St. Lucie River										
2907	North Fork.....	27 15	80 19	+2 50	+3 29	*0.40	*0.40	1.0	1.2	0.5	
2908	Stuart.....	27 12	80 16	+2 37	+3 33	*0.36	*0.36	0.9	1.1	0.4	
2909	South Fork.....	27 10	80 15	+2 54	+3 34	*0.36	*0.36	0.9	1.1	0.4	
2911	Sewall Point.....	27 10	80 11	+1 35	+2 11	*0.36	*0.36	0.9	1.1	0.4	
2912	Seminole Shores.....	27 11	80 10	-0 30	-0 14	+0.5	0.0	3.0	3.6	1.5	
2913	Great Pocket.....	27 09	80 10	+1 18	+1 51	*0.44	*0.44	1.1	1.3	0.6	
2914	Gomez, South Jupiter Narrows.....	27 06	80 08	+1 56	+2 41	*0.52	*0.52	1.3	1.6	0.6	
2916	Hobe Sound - State Park.....	27 02	80 06	+1 46	+2 22	-0.9	0.0	1.6	1.9	0.8	
2917	Conch Bar, Jupiter Sound.....	26 59	80 06	+1 19	+1 38	-0.8	0.0	1.7	2.0	0.8	
2918	Jupiter Sound, south end.....	26 57	80 05	+0 46	+0 49	-0.5	0.0	2.0	2.4	1.0	
2919	Jupiter Inlet.....	26 57	80 04	+0 15	+0 01	0.0	0.0	2.5	3.0	1.2	
	Loxahatchee River										
2921	Tequesta.....	26 57	80 06	+1 18	+2 02	-0.7	0.0	1.8	2.2	0.9	
2922	North Fork.....	26 58	80 07	+1 27	+1 59	-0.6	0.0	1.9	2.3	1.0	
2923	Southwest Fork (spillway).....	26 56	80 09	+1 15	+1 49	-0.5	0.0	2.0	2.4	1.0	
2924	Northwest Fork.....	26 59	80 08	+1 34	+2 10	-0.5	0.0	2.0	2.4	1.0	
2926	Southwest Fork.....	26 57	80 07	+1 15	+1 47	-0.6	0.0	1.9	2.3	1.0	
2927	Jupiter, Lake Worth Creek.....	26 56	80 05	+0 57	+1 16	-0.4	0.0	2.1	2.5	1.0	
2928	Donald Ross Bridge.....	26 53	80 04	+0 43	+0 54	-0.2	0.0	2.3	2.8	1.2	
2929	North Palm Beach, Lake Worth Creek.....	26 50	80 03	+0 05	+0 17	+0.4	0.0	2.9	3.4	1.4	
2931	Port of Palm Beach, Lake Worth.....	26 46	80 03	0 00	+0 12	+0.1	0.0	2.6	3.1	1.3	
2932	Palm Beach (ocean).....	26 43	80 02	-0 21	-0 18	+0.3	0.0	2.8	3.3	1.4	
2933	West Palm Beach Canal.....	26 39	80 03	+1 08	+1 36	0.0	0.0	2.5	2.8	1.2	
2934	Lake Worth Pier (ocean).....	26 37	80 02	-0 19	-0 17	+0.3	0.0	2.8	3.3	1.4	
2936	Boynton Beach.....	26 33	80 03	+1 26	+2 09	0.0	0.0	2.5	2.8	1.2	
2937	Delray Beach.....	26 28	80 04	+1 45	+2 09	0.0	0.0	2.5	2.9	1.2	
2938	Yamato.....	26 24	80 04	+1 43	+1 59	-0.1	0.0	2.4	2.8	1.2	
2939	Boca Raton.....	26 21	80 05	+0 47	+1 13	-0.3	0.0	2.2	2.5	1.1	
2941	Deerfield Beach.....	26 19	80 05	+0 51	+1 07	-0.1	0.0	2.4	2.9	1.2	
2942	Hillsboro Beach, Intracoastal waterway.....	26 16	80 05	+0 26	+0 38	+0.3	0.0	2.8	3.2	1.4	
2943	Hillsboro Inlet (inside).....	26 16	80 05	+0 08	+0 06	0.0	0.0	2.5	2.9	1.2	
2944	Lauderdale-by-the-sea.....	26 11	80 06	-0 08	-0 08	+0.1	0.0	2.6	3.1	1.3	
	Fort Lauderdale										
2946	Bahia Mar Yacht Club.....	26 07	80 06	+0 19	+0 38	-0.1	0.0	2.4	2.8	1.2	
2947	Andrews Ave. bridge, New River.....	26 07	80 09	+0 39	+0 56	-0.4	0.0	2.1	2.4	1.0	
2948	Port Everglades.....	26 06	80 07	-0 06	-0 06	+0.1	0.0	2.6	3.1	1.3	
2949	South Port Everglades.....	26 05	80 07	0 00	+0 01	0.0	0.0	2.5	2.9	1.3	
2951	Hollywood Beach.....	26 02	80 07	+1 00	+1 08	-0.4	0.0	2.1	2.4	1.0	
2952	Golden Beach.....	25 58	80 08	+1 36	+2 04	-0.4	0.0	2.1	2.4	1.0	
2953	Sunny Isles, Biscayne Creek.....	25 56	80 08	+2 23	+2 27	-0.7	0.0	1.8	2.2	0.9	
2954	North Miami Beach.....	25 56	80 07	-0 04	0 00	0.0	0.0	2.5	3.0	1.2	
2956	Bakers Haulover Inlet (inside).....	25 54	80 08	+1 17	+1 35	-0.5	0.0	2.0	2.4	1.0	
2957	Indian Creek.....	25 52	80 09	+1 36	+1 50	-0.4	0.0	2.1	2.5	1.1	
2958	Miami Beach.....	25 46	80 08	0 00	0 00	0.0	0.0	2.5	3.0	1.3	
2959	MIAMI HARBOR ENTRANCE.....	25 46	80 08					2.5	3.0	1.3	
				Daily predictions				2.5	3.0	1.3	

Endnotes can be found at the end of table 2.

NO.	PLACE	POSITION		DIFFERENCES				RANGES		Mean Tide Level
		Lat.	Long.	Time		Height		Mean Spring		
				High Water	Low Water	High Water	Low Water	ft	ft	
	VENEZUELA Time meridian, 60°W	N	W	h. m.	h. m.	ft	ft	ft	ft	ft
				on ISLA ZAPARA, p.152						
				Daily predictions				2.8	3.0	2.7
3551	ISLA ZAPARA, Lake Maracaibo.....	11 00	71 35					2.1	2.3	1.5
3552	Bahia de Tablazos, Lake Maracaibo.....	10 53	71 35	+0 30	+0 11	+0.61	+0.31	1.6	1.8	1.2
3553	Punta de Palmas.....	10 48	71 37	+0 35	+0 16	+0.49	+0.31			
				on AMUAY, p.156				Mean Diurnal		
				Daily predictions				-	1.2	0.6
3554	AMUAY.....	11 45	70 13					-	1.0	1.5
3555	La Guaira t.....	10 36	66 56	-2 29	-1 59	+0.8	+1.0	-	1.0	1.5
3557	Carenero t.....	10 32	66 07	-1 51	-1 59	+0.8	+1.0	-	1.0	1.5
3559	Cumana t.....	10 28	64 11	-2 37	-1 02	-0.1	0.0	-	1.1	0.5
3561	Porlamar, Isla de Margarita t.....	10 57	63 51	-1 19	-0 59	+0.6	0.0	-	1.8	0.9
3563	Carupano t.....	10 40	63 15	-1 17	-0 42	+0.2	0.0	-	1.4	0.7
				on PUNTA GORDA, p.160				Mean Spring		
	Gulf of Paria							2.2	2.7	1.4
3565	Macuro.....	10 39	61 56	-1 15	-2 05	+0.38	+0.38	3.3	4.2	2.0
3567	Puerto de Hierro.....	10 37	62 05	-0 46	-1 19	+0.59	+0.59	4.6	5.7	2.8
3569	Barra de Maturin, channel entrance..	10 18	62 31	-0 22	-0 45	-1.0	+0.2	5.8	7.1	3.2
3571	PUNTA GORDA, Rio San Juan.....	10 10	62 38					4.3	5.4	2.6
3573	Boca Pedernales entrance.....	10 01	62 12	-0 03	-0 34	-1.3	+0.2	5.0	6.7	3.8
3575	Rio Orinoco ent., Isla Ramon Isidro....	8 39	60 35	+0 07	-0 12	+0.2	+1.0			
	TRINIDAD									
3577	Staubles Bay.....	10 41	61 39	-1 07	-2 02	(+0.33+1.7)		1.9	2.5	2.8
3579	Carenage Bay.....	10 41	61 36	-0 58	-1 40	(+0.34+1.6)		2.0	2.6	2.7
3581	Port of Spain.....	10 39	61 31	-0 44	-1 12	(+0.31+1.4)		1.8	2.3	2.4
3583	Bonasse pier.....	10 05	61 52	-0 43	-1 15	-1.0	+1.4	3.4	4.4	3.4
3585	Erin Bay.....	10 04	61 39	-0 50	-1 41	-0.3	+1.2	4.3	5.6	3.6
3587	Guayaguayare Bay.....	10 09	61 01	-1 32	-2 09	(+0.53+1.3)		3.1	3.8	3.0
3588	Nariva River.....	10 24	61 02	-1 06	-2 16	(+0.41+1.3)		2.4	3.1	2.5
	GUYANA Time meridian, 56°15'W									
3589	Parika, Essequibo River.....	6 52	58 25	+0 37	+1 01	+1.6	+1.0	6.6	8.3	5.6
3591	Georgetown.....	6 48	58 10	+0 17	+0 01	+0.9	+1.1	5.8	8.0	5.3
	SURINAM Time meridian, 52°30'W									
3593	Nickerie River.....	5 57	56 59	+0 09	+0 21	+1.1	0.0	7.1	9.2	4.9
3595	SURINAME RIVIER ENTRANCE.....	6 00	55 14					6.0	7.6	4.3
3597	Paramaribo, Suriname Rivier.....	5 49	55 09	+1 09	+1 42	0.0	0.0	6.0	7.3	4.3
	FRENCH GUIANA Time meridian, 60°W									
3599	Rio Maroni entrance.....	5 45	53 58	+0 48	+0 54	+0.7	+1.2	5.5	7.2	5.2
3601	Iles du Salut.....	5 17	52 35	+0 23	+0 23	+1.7	+2.2	5.5	7.2	6.2
3603	Cayenne.....	4 56	52 20	+0 45	+0 45	+2.4	+1.8	6.6	7.8	6.4
	BRAZIL <16> Time meridian, 45°W.									
3605	Cape Cassipore.....	3 49	51 01	+1 54	+1 49	+1.5	+0.3	7.2	9.5	5.2
3607	Rio Cunani entrance.....	2 50	50 53	+2 40	+2 54	(+2.42-0.2)		14.5	19.0	10.1
3609	Ilha de Maraca anchorage.....	2 09	50 30	+2 10	+2 22	(+2.42-0.2)		14.5	19.0	10.1
3611	Ilha do Brigue, Amazon River.....	0 55	50 05	+7 39	+8 10	+8.3	+1.1	13.2	15.7	9.0
3613	Ponta Pedreira, Amazon River.....	0 11	50 43	+7 01	+7 13	+2.08	+2.23	12.3	16.2	9.0
3615	Macapa, Amazon River.....	0 03	51 11	+11 27	+12 43	+2.8	+0.4	8.4	9.5	5.9
		S	W							
3617	Canal de Braganca, Rio Para entrance....	0 23	47 55	+6 39	+6 39	+1.8	-0.1	7.9	10.4	5.1
3619	Salinopolis.....	0 39	47 23	+3 08	+3 22	+1.99	+1.54	12.5	15.9	8.3
3621	Belem (Para).....	1 27	48 30	+7 04	+8 07	+2.9	+0.7	8.2	10.1	6.1
3623	Ilhas de Sao Joao.....	1 17	44 55	+2 01	+2 01	+1.70	+1.31	10.7	14.1	7.0
3625	Sao Luiz.....	2 32	44 18	+2 58	+2 55	(+2.35-0.7)		14.1	17.1	9.3
3627	Santana, Recife de.....	2 16	43 36	+1 16	+1 15	+1.58	+1.15	10.0	13.1	6.5
3629	Tutoia, Baia da.....	2 46	42 14	+0 41	+0 40	+2.4	+0.4	8.0	10.0	5.7
3631	Luis Correia.....	2 53	41 40	+0 31	+0 43	+1.8	+0.4	7.4	9.4	5.4
3633	Camocim.....	2 53	40 52	+1 37	+1 36	+2.0	+0.4	7.6	9.7	5.5
3635	Rio Ceara (bar).....	3 41	38 37	+0 17	+0 09	+0.2	-0.1	6.3	8.3	4.3
3637	Fortaleza.....	3 43	38 29	+0 22	+0 18	+0.2	-0.3	6.5	8.5	4.2
				on RECIFE, p.168						
3639	Fernando de Noronha.....	3 50	32 25	+1 32	+1 33	-1.2	-0.5	4.5	6.0	2.9
3641	Rocas, Atol das.....	3 51	33 49	+1 43	+1 44	+2.3	0.0	7.5	10.0	4.9
				Time meridian, 30°W						

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				
		S	W	h. m.	h. m.	ft	ft	ft	ft	ft	
	BRAZIL <16> Time meridian, 45°W										
				on RECIFE, p.168							
3643	Macau, Rio Acu.....	5 06	36 41	+1 29	+1 58	+0.6	-0.1	5.9	7.6	4.1	
3645	Natal.....	5 47	35 12	+0 28	+0 30	+0.1	-0.2	5.5	7.3	3.7	
3647	Cabedelo.....	6 58	34 50	+0 36	+0 37	+0.1	-0.2	5.5	7.2	3.7	
3649	Tambau.....	7 06	34 50	-0 04	-0 03	+0.7	-0.1	6.0	7.6	4.1	
3651	RECIFE.....	8 03	34 52					5.3	7.1	3.8	
3653	Maceio.....	9 40	35 43	+0 10	+0 14	-0.3	-0.2	5.1	6.8	3.6	
3655	Rio São Francisco (bar).....	10 31	36 24	+0 06	+0 14	-0.7	0.0	4.5	6.0	3.5	
3657	Aracaju.....	10 56	37 03	+0 33	+0 48	-0.8	-0.3	4.7	6.1	3.3	
3659	Salvador.....	12 58	38 31	-0 02	-0 08	+0.6	+0.4	5.5	7.4	4.3	
3661	Ponta da Areia.....	12 47	38 30	+0 10	+0 06	+0.6	-0.1	5.9	7.6	4.0	
3663	Morro de São Paulo.....	13 21	38 54	-0 11	-0 13	-0.6	0.0	4.6	6.0	3.5	
3665	Camamu.....	13 54	38 58	-0 08	-0 04	-0.2	+0.1	4.9	6.5	3.8	
3667	Ilheus.....	14 48	39 02	-0 33	-0 32	-0.9	-0.3	4.6	5.8	3.2	
3669	Canavieiras.....	15 40	38 56	+0 16	+0 22	-1.0	-0.2	4.5	5.8	3.1	
3671	Santa Cruz Cabralia.....	16 17	39 02	-0 35	-0 35	-1.2	-0.5	4.5	6.0	2.9	
3673	Cumuruxatiba.....	17 06	39 11	-0 23	-0 09	+0.4	+0.3	5.3	7.2	4.2	
3675	Caravelas.....	17 43	39 09	-0 50	-0 49	-0.8	-0.5	4.9	6.4	3.1	
3677	Abrolhos Anchorage.....	17 58	38 42	-0 01	+0 04	+0.6	+0.1	5.7	7.6	4.2	
3679	Vitoria.....	20 19	40 19	-0 34	-0 35	*0.66	*0.75	3.3	4.6	2.6	
3681	Guarapari.....	20 40	40 30	+0 12	+0 17	*0.62	*0.75	3.1	4.2	2.5	
				on RIO DE JANEIRO, p.172							
3683	São João da Barra.....	21 38	41 03	+0 34	-0 42	-0.1	-0.2	2.6	3.6	2.1	
3685	Macaé (Imbitiba Bay).....	22 23	41 46	-0 23	-1 08	0.0	-0.2	2.7	3.6	2.1	
3687	Armacão dos Búzios.....	22 45	41 53	-0 01	-0 55	-0.1	-0.1	2.5	3.4	2.1	
3689	Cabo Frio.....	23 00	42 03	-0 03	-0 05	*0.91	*0.90	2.3	3.2	2.0	
3691	RIO DE JANEIRO.....	22 54	43 10					2.5	3.5	2.2	
3693	Itacurussa.....	22 56	43 55	+0 50	-0 26	0.0	-0.1	2.6	3.3	2.2	
3695	Angra dos Reis.....	23 01	44 19	-0 35	-0 40	*0.86	*0.86	2.1	3.0	1.9	
3697	Parati.....	23 14	44 43	-0 09	-1 25	-0.1	0.0	2.4	3.4	2.2	
3699	São Sebastião.....	23 49	45 24	-0 28	-1 24	*0.94	*1.00	2.3	3.3	2.2	
3701	SANTOS.....	23 56	46 19					2.6	3.8	2.4	
3703	Cananeia.....	25 01	47 56	+1 09	-1 09	+0.4	+0.2	2.7	4.1	2.6	
3705	Paranaguá.....	25 31	48 27	+1 51	-1 32	+1.8	+0.2	4.1	6.0	3.2	
3707	São Francisco do Sul.....	26 15	48 38	+0 38	-	+0.8	-0.1	3.4	4.8	2.6	
3709	Itajaí.....	26 54	48 39	-0 08	-0 16	(*0.76+0.4)		1.9	2.8	2.1	
3711	Porto Belo.....	27 09	48 33	-0 38	-0 28	*0.74	*0.74	1.8	2.5	1.7	
3713	Florianópolis.....	27 36	48 34	-0 14	+0 15	*0.69	*0.70	1.7	2.4	1.6	
3715	Imbituba.....	28 14	48 39	-0 17	-1 10	*0.54	*0.50	1.4	2.0	1.2	
3717	Laguna.....	28 30	48 47	+1 10	-1 31	(*0.32+0.4)		0.8	1.2	1.1	
3719	Barra do Rio Grande <18> t.....	32 10	52 05	-	-	-	-	-	0.8	0.3	
	URUGUAY			on BUENOS AIRES, p.180							
3721	Montevideo.....	34 55	56 13	-5 10	-7 11	(*0.52+1.6)		1.1	1.4	3.0	
3723	Colonia, Río de la Plata.....	34 28	57 51	+0 17	-0 33	(*0.52+1.2)		1.1	1.3	2.6	
	ARGENTINA			on PUERTO BELGRANO, p.184							
3725	Río de la Plata										
3727	BUENOS AIRES.....	34 36	58 22					2.1	2.5	2.6	
3729	La Plata.....	34 50	57 53	-1 50	-2 04	+0.2	+0.6	1.7	2.0	3.0	
3731	Banco Chico.....	34 50	57 30	-3 00	-3 24	+0.8	+0.8	2.1	2.5	3.4	
3733	Banco Cuirassier.....	35 06	57 08	-5 25	-5 39	+0.8	+0.8	2.1	2.5	3.4	
3735	Punta Piedras.....	35 26	57 07	-7 10	-7 23	+2.2	+1.1	3.2	3.8	4.2	
3737	Punta Norte del Cabo San Antonio <17>.....	36 18	56 47	-8 50	-9 26	+1.2	+0.3	3.0	3.7	3.3	
3739	Mar del Plata <17>.....	38 03	57 33	-0 02	+0 14	+0.7	+0.2	2.6	3.0	3.0	
	Quequen <17>.....	38 35	58 42	-0 18	-0 22	+1.5	-0.3	3.9	4.2	3.2	
3741	Faro Recalada.....	39 00	61 16	-0 20	-0 15	-4.1	-0.7	6.5	7.1	5.6	
3743	Monte Hermoso.....	38 59	61 41	-0 18	-0 27	-2.8	-0.8	7.9	9.1	6.2	
	Bahía Blanca										
3745	Punta Ancla.....	38 57	62 00	-0 15	+0 06	-1.1	-0.3	9.1	9.9	7.2	
3747	Puerto Rosales.....	38 55	62 04	0 00	+0 07	+0.1	-0.1	10.1	11.0	8.0	
3749	PUERTO BELGRANO.....	38 53	62 06					9.9	10.8	8.0	
3751	Ingeniero White.....	38 47	62 16	+0 33	+0 18	+0.6	+0.4	10.1	11.0	8.5	
3753	General Daniel Cerri.....	38 45	62 23	+0 47	+0 36	*1.19	*1.20	11.8	12.9	9.5	
3755	Canal del Sur, Isla Bermejo.....	39 01	61 58	-0 28	-0 12	-1.3	-0.2	8.8	9.6	7.2	
3757	Canal Bermejo, Isla Trinidad.....	39 05	61 58	-0 30	-0 14	-1.9	-0.4	8.4	9.2	6.8	
3759	Punta Lobos, Isla Trinidad.....	39 14	61 53	-0 48	-0 46	-2.5	-0.6	8.0	8.8	6.4	
3761	Punta Laberinto.....	39 26	62 03	-0 49	-0 58	-2.1	-0.9	8.7	9.6	6.5	
3763	Bahía Anegada, Islote NW.....	40 01	62 10	-1 39	-1 47	(*0.66-0.5)		6.5	7.2	4.8	
3765	Bahía San Blas.....	40 33	62 14	-3 19	-3 28	*0.53	*0.40	5.6	6.0	4.0	
3767	Segunda Barranca.....	40 47	62 17	-4 49	-4 57	(*0.55-0.4)		5.4	5.9	4.0	
3769	Punta Redonda, Río Negro entrance.....	41 02	62 46	-5 48	-5 57	-1.0	-1.0	9.9	11.2	7.0	

Endnotes can be found at the end of table 2.