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TIDE TABLES

FOR

CHARLOTTETOWN, PICTOU

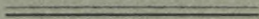
AND

ST. PAUL ISLAND, C.B.

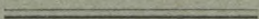
FOR THE YEAR

1906

With Tidal Differences for Northumberland strait, the south-western side of the Gulf of St. Lawrence, the north coast of Prince Edward island, and Cabot strait.



Issued by the TIDAL AND CURRENT SURVEY in the DEPARTMENT OF MARINE AND FISHERIES of the DOMINION OF CANADA
(Ninth year of Issue.)



OTTAWA.

GOVERNMENT PRINTING BUREAU.

1905.

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FOR
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AND
ST. PAUL ISLAND, C.B.

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1905.



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TIDE TABLES

FOR

CHARLOTTETOWN, PICTOU AND ST. PAUL ISLAND.

These Tide Tables are issued by the Tidal and Current Survey, in the Department of Marine and Fisheries of the Dominion of Canada. They are based upon direct observation of the tide, obtained by means of self-registering tide gauges, erected at eleven localities in the south-western portion of the Gulf of St. Lawrence, and in Cabot strait. It has thus been ascertained that these tides can best be deduced from St. Paul island, which is one of the principal tidal stations, commanding the main entrance by which the tides enter the Gulf from the Atlantic. For this purpose, a division is required into two regions as follows:—

I. THE OPEN GULF COAST.—Including the northern part of the coast of New Brunswick, and the north coast of Prince Edward island. The tides on these coasts can be referred to St. Paul island, provided that the difference in time is taken as EARLIER, or for the preceding tide. Otherwise, the difference in the time of the tide varies so widely as to be practically valueless. There are few localities where the rise of the tide is more than five feet at springs and three feet at neaps.

The tides on both sides of Cabot strait, are also referred to St. Paul island.

II. NORTHUMBERLAND STRAIT.—The tide after passing through Cabot strait, enters Northumberland strait at its eastern end, and proceeds westward. It attains its greatest range at Charlottetown, where it amounts to ten feet. At the western end of the strait, from Shediac to Richibucto, owing to tidal interference, the amount of rise and fall is usually very slight; and the time of the tide is correspondingly uncertain.

The tide throughout this region is characterized by a marked diurnal inequality. This feature of the tide is under the influence of the declination of the moon; and the alternations in the time-intervals and the height are in accord with the moon's upper and lower transits. This diurnal inequality becomes more pronounced as the tide proceeds along Northumberland strait. It has therefore been found advisable to take Pictou as a secondary port of reference in the middle of the strait itself; as the inequality in the tide in the two directions, can thus be better distributed.

METHOD OF CALCULATION.—The Tide Tables for St. Paul island itself, are based upon a continuous tidal record during four complete years, obtained in 1895-96, 1898, 1899 and 1900. This record has been reduced by the latest methods of analysis; and from the tidal constants thus obtained, the tide tables are calculated in the Nautical Almanac office, London.

The Tide Tables for Pictou are computed from the St. Paul island tables, by means of two series of variable differences in the time of the tide, based upon observations in the summer seasons of 1896, 1897, 1901 and 1903. The two series are for high water and low water respectively; and the differences vary in accordance with the declination of the moon, and alternate with its upper and lower transits. The variation in the range of the moon's declination in the 19-year period, is also allowed for by a modification in the series of differences used.

The Tide Tables for Charlottetown are computed from the Pictou tables, by means of the difference in the time of high water and low water, as found from simultaneous observations at the two places in the summer seasons of 1896, 1901 and 1903.

WM. P. ANDERSON,
Chief Engineer.

W. BELL DAWSON,
Engineer in Charge of Tidal Survey.

TIDAL DIFFERENCES.—The differences given in the following table, enable the time of the tide to be known in these regions, so far as reliable information is available. In addition to Pictou and Charlottetown, observations with self-registering tide gauges have now been secured at Lower Neguac, Alberton, St. Peters, Neil harbour, Sydney, Port aux Basques, Souris, Cape Tormentine and Summerside. These have afforded simultaneous comparisons with St. Paul island and Pictou. The differences given for the remaining places, which lie between these, are obtained from careful comparison with the Establishments in the Admiralty list.

WITH ST. PAUL ISLAND TIDE TABLES.

For the South-western side of the Gulf of St. Lawrence, the north coast of P.E.I. and Cabot Strait.

For the time of H. W. in Atlantic Standard time, apply the following differences to the time given in the St. Paul island Tide Tables:—

Locality.	For H. W.	
	H.	M.
Lower Neguac, and the entrance to Miramichi bay.....	Subt. 3	21
Alberton, P.E.I.....	" 2	33
Richmond bay; within the entrance.....	" 2	26
Grand Rustico; at the lighthouse.....	" 2	31
St. Peters; at the entrance to the bay.....	" 2	10
Neil harbour, C.B.....	" 0	19
Sydney.....	" 0	25
Port aux Basques, Newfoundland.....	Add. 0	17

NOTE.—The south-east coast of Cape Breton island, and the eastern angle of Newfoundland, are referred to Halifax. (See Halifax Tide Tables.)

WITH PICTOU TIDE TABLES.

For Northumberland Strait.

For the time of the tide in Atlantic Standard time, apply the following differences to the time given in the Pictou Tide Tables:—

Locality.	For H. W.		For L. W.
	H.	M.	
Souris.....	Subt. 1	22	Subt. 1 17
Port Hood.....	" 1	02	.....
Cape Bear....	" 0	57	.....
Cape George.....	" 0	45	.....
PICTOU.....	" 0	00	" 0 00
Tatamagouche.....	Add 0	04	.....
Pugwash.....	" 0	36	.....
Charlottetown.....	" 0	38	Add 0 50
Cape Tormentine.....	" 0	23	" 0 43
Bay Verte.....	" 0	27	.....
Summerside.....	" 0	50	Add 1 15

THE CURRENTS.—It has now been ascertained that the current in Northumberland strait, like the tide itself, is primarily governed by the declination of the moon. Also, the difference in time between the turn of the current in the strait, and High and Low Water at Pictou is not constant; but it shows a variation from its average amount of nearly two hours, earlier or later. This variation alternates with the upper and lower transits of the moon, at times when the moon's declination has a high value, north or south of the equator. Further, as this variation recurs in the period of the declination-month, which is over-run by the synodic month in which the moon's phases recur, it is sometimes the spring tides which are affected, and sometimes the neap tides. It is for these reasons that the turn of the current in the strait has an appearance of great irregularity, which is usually attributed to the wind.

In the Gut of Canso, the apparent irregularities in the turn of the current are due to the difference in the character of the tide itself, at the two ends of the Gut. The tide in the region of Northumberland strait, shows a marked diurnal inequality, which accords with the declination of the moon; and as the declination-month is over-run by the period of the moon's phases, this diurnal inequality characterizes sometimes the spring tides and sometimes the neaps. While these changes recur periodically at the northern end of the Gut, the tide at the Atlantic end maintains the usual variation in height from springs to neaps with great regularity. As the current through the Gut depends on the difference in the height of the tide at the two ends, it necessarily shows great complexity under these conditions. Before this explanation was found by the investigation of the tides themselves, it was supposed that the currents were chiefly governed by the wind.

TIDE TABLES—CHARLOTTETOWN, 1906.

APRIL.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning		After'n		
		H.	M.	H.	M.	
1	S.	3	35	14	32	8 51 21 47
2	M.	4	43	15	29	9 47 22 00
3	Tu.	6	05	16	53	11 06
4	W.	7	18	18	13	0 23 12 31
5	Th.	8	05	19	27	1 30 13 37
6	F.	8	47	20	44	2 28 14 37
7	Sa.	9	40	21	44	3 16 15 27
8	S.	10	20	22	38	3 58 16 15
9	M.	10	59	23	26	4 39 16 56
10	Tu.	11	37			5 19 17 37
11	W.	0	13	12	15	5 59 18 19
12	Th.	1	00	12	50	4 40 19 03
13	F.	1	49	13	24	7 19 19 53
14	Sa.	2	33	13	54	8 06 20 50
15	S.	3	38	14	49	9 02 21 55
16	M.	4	52	16	01	10 11 23 14
17	Tu.	6	06	17	22	11 30
18	W.	7	15	18	42	0 31 12 50
19	Th.	8	11	19	56	1 42 13 55
20	F.	8	56	20	57	2 38 14 45
21	Sa.	9	32	22	02	3 20 15 29
22	S.	10	17	22	48	3 58 16 11
23	M.	10	48	23	26	4 33 16 46
24	Tu.	11	17			5 06 17 20
25	W.	0	01	11	45	5 37 17 53
26	Th.	0	35	12	10	6 02 18 27
27	F.	1	10	12	34	6 29 19 03
28	Sa.	1	48	13	02	6 59 19 42
29	S.	2	30	13	23	7 37 20 25
30	M.	3	16	14	05	8 26 21 18

MAY.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning		After'n		
		H.	M.	H.	M.	
1	Tu.	4	19	15	04	9 30 22 22
2	W.	5	26	16	24	10 49 23 40
3	Th.	6	27	17	52	12 06
4	F.	7	22	19	15	0 51 13 19
5	Sa.	8	11	20	31	1 52 14 23
6	S.	8	56	21	49	2 44 15 12
7	M.	9	51	22	32	3 31 15 56
8	Tu.	10	32	23	21	4 15 16 38
9	W.	11	08			4 58 17 20
10	Th.	0	08	11	41	5 36 18 03
11	F.	0	54	12	17	6 16 18 49
12	Sa.	1	42	12	55	6 57 19 39
13	S.	2	34	13	40	7 43 20 33
14	M.	3	20	14	25	8 36 21 32
15	Tu.	4	23	15	35	9 40 22 37
16	W.	5	29	17	01	10 59 23 47
17	Th.	6	31	18	37	12 19
18	F.	7	25	19	42	0 55 13 25
19	Sa.	8	09	20	45	1 52 14 21
20	S.	8	48	21	33	2 38 15 05
21	M.	9	35	22	26	3 19 15 45
22	Tu.	10	08	23	04	3 56 16 22
23	W.	10	35	23	41	4 31 16 58
24	Th.	10	59			5 01 17 33
25	F.	0	18	11	26	5 32 18 08
26	Sa.	0	56	11	55	6 04 18 44
27	S.	1	36	12	29	6 40 19 23
28	M.	2	18	13	09	7 20 20 05
29	Tu.	2	52	13	46	8 08 20 53
30	W.	3	43	14	50	9 07 21 49
31	Th.	4	42	16	07	10 19 22 54

JUNE.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning		After'n		
		H.	M.	H.	M.	
1	F.	5	42	17	39	11 37
2	Sa.	6	40	19	05	0 05 12 56
3	S.	7	34	20	14	1 15 13 59
4	M.	8	24	21	23	2 16 14 49
5	Tu.	9	23	22	16	3 07 15 35
6	W.	10	02	23	06	3 55 16 20
7	Th.	10	37	23	53	4 37 17 04
8	F.	11	13			5 19 17 49
9	Sa.	0	39	11	51	6 00 18 36
10	S.	1	26	12	35	6 42 19 25
11	M.	2	15	13	25	7 27 20 16
12	Tu.	2	54	14	10	8 18 21 09
13	W.	3	47	15	16	9 16 22 04
14	Th.	4	41	16	34	10 24 23 01
15	F.	5	34	18	00	11 36
16	Sa.	6	25	19	09	0 01 12 50
17	S.	7	13	20	10	0 58 13 43
18	M.	7	58	21	02	1 50 14 34
19	Tu.	8	36	22	00	2 35 15 18
20	W.	9	20	22	44	3 15 15 58
21	Th.	9	52	23	31	3 51 16 35
22	F.	10	23	23	58	4 25 17 10
23	Sa.	10	56			5 00 17 45
24	S.	0	34	11	31	5 37 18 22
25	M.	1	11	12	10	6 18 19 02
26	Tu.	1	51	13	02	7 03 19 46
27	W.	2	23	13	42	7 54 20 34
28	Th.	3	11	14	46	8 50 21 25
29	F.	4	03	15	58	9 56 22 22
30	Sa.	4	59	17	18	11 06 23 26

JULY.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning		After'n		
		H.	M.	H.	M.	
1	S.	5	57	18	40	12 20
2	M.	6	54	19	56	0 34 13 28
3	Tu.	7	45	21	13	1 41 14 24
4	W.	8	43	22	11	2 38 15 24
5	Th.	9	28	23	03	3 30 16 15
6	F.	10	11	23	51	4 15 17 02
7	Sa.	10	55			4 57 17 45
8	S.	0	36	11	41	5 39 18 27
9	M.	1	19	12	30	6 23 19 08
10	Tu.	2	00	13	23	7 09 19 59
11	W.	2	28	14	06	7 58 20 33
12	Th.	3	09	15	06	8 50 21 17
13	F.	3	52	16	07	9 46 22 03
14	Sa.	4	37	17	09	10 41 22 53
15	S.	5	24	18	18	11 44 23 48
16	M.	6	14	19	30	12 54
17	Tu.	7	00	20	34	0 49 13 58
18	W.	7	42	21	25	1 45 14 48
19	Th.	8	25	22	21	2 37 15 33
20	F.	9	18	23	00	3 23 16 15
21	Sa.	9	59	23	36	4 05 16 54
22	S.	10	40			4 43 17 31
23	M.	0	11	11	22	5 22 18 07
24	Tu.	0	47	12	07	6 02 18 43
25	W.	1	24	12	54	6 45 19 21
26	Th.	2	03	13	52	7 31 20 03
27	F.	2	33	14	35	8 14 20 51
28	Sa.	3	19	15	45	9 21 21 47
29	S.	4	10	17	02	10 31 22 51
30	M.	5	02	18	21	11 45 23 59
31	Tu.	6	02	19	38	13 01

The TIME used is Atlantic Standard, for the 60th Meridian. It is counted from 0 to 24 hours, from midnight to midnight.

AUGUST.						SEPTEMBER.							
Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n				Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.				H. M.	H. M.	H. M.	H. M.	
1	W.	7 02	20 50	1 12	14 15		1	Sa.	9 03	22 30	2 58	15 50	
2	Th.	7 59	21 58	2 16	15 16		2	S.	9 55	23 08	3 45	16 34	
3	F.	9 05	22 46	3 11	16 06		3	M.	10 44	23 42	4 29	17 14	
4	Sa.	9 57	23 30	4 00	16 52		4	Tu.	11 28	.....	5 12	17 51	
5	S.	10 48	.....	4 47	17 35		5	W.	0 15	12 13	5 53	18 25	
6	M.	0 10	11 39	5 31	18 15		6	Th.	0 46	12 55	6 34	18 57	
7	Tu.	0 47	12 29	6 13	18 53		7	F.	1 16	13 35	7 09	19 28	
8	W.	1 23	13 19	6 54	19 29		8	Sa.	1 35	14 06	7 45	20 01	
9	Th.	1 58	14 07	7 38	20 04		9	S.	2 07	14 53	8 25	20 37	
10	F.	2 20	14 41	8 20	20 38		10	M.	2 38	15 48	9 12	21 12	
11	Sa.	2 55	15 28	9 07	21 15		11	Tu.	3 10	16 52	10 08	21 59	
12	S.	3 33	16 27	10 00	21 58		12	W.	3 53	18 14	11 14	22 59	
13	M.	4 12	17 38	11 02	22 46		13	Th.	4 56	19 34	.....	12 38	
14	Tu.	4 59	18 59	12 14	23 50		14	F.	6 21	20 40	0 29	13 52	
15	W.	5 53	20 08	.....	13 21		15	Sa.	7 29	21 16	1 43	14 47	
16	Th.	6 53	21 03	1 01	14 21		16	S.	8 35	22 00	2 39	15 28	
17	F.	7 51	21 46	2 06	15 12		17	M.	9 27	22 31	3 23	16 06	
18	Sa.	8 56	22 32	3 00	15 54		18	Tu.	10 17	23 03	4 05	16 43	
19	S.	9 44	23 05	3 46	16 31		19	W.	11 12	23 38	4 46	17 20	
20	M.	10 32	23 39	4 28	17 06		20	Th.	11 55	.....	5 30	17 58	
21	Tu.	11 19	.....	5 09	17 42		21	F.	0 15	12 40	6 11	18 38	
22	W.	0 14	12 07	5 49	18 20		22	Sa.	0 54	13 39	6 55	19 20	
23	Th.	0 51	12 53	6 33	19 00		23	S.	1 32	14 14	7 43	20 01	
24	F.	1 31	13 40	7 16	19 43		24	M.	1 59	15 18	8 36	20 51	
25	Sa.	2 14	14 24	8 04	20 30		25	Tu.	2 46	16 32	9 38	21 50	
26	S.	2 48	15 29	8 59	21 22		26	W.	3 45	17 50	10 54	23 09	
27	M.	3 34	16 44	10 03	22 18		27	Th.	5 01	19 04	.....	12 22	
28	Tu.	4 26	18 08	11 21	23 35		28	F.	6 21	20 10	0 36	13 38	
29	W.	5 31	19 30	.....	12 45		29	Sa.	7 35	21 05	1 46	14 42	
30	Th.	6 40	20 38	0 55	14 02		30	S.	8 42	21 49	2 42	15 34	
31	F.	7 50	21 33	2 06	15 01								

OCTOBER.						NOVEMBER.							
Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n				Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.				H. M.	H. M.	H. M.	H. M.	
1	M.	9 50	22 37	3 33	16 16		1	Th.	11 06	23 03	4 31	16 51	
2	Tu.	10 40	23 09	4 18	16 52		2	F.	11 44	23 34	5 07	17 24	
3	W.	11 24	23 39	4 59	17 24		3	Sa.	.....	12 20	5 42	17 50	
4	Th.	.....	12 03	5 33	17 55		4	S.	0 00	12 58	6 18	18 18	
5	F.	0 07	12 41	6 06	18 25		5	M.	0 22	13 38	6 55	18 48	
6	Sa.	0 36	13 18	6 40	18 56		6	Tu.	0 35	14 09	7 33	19 24	
7	S.	1 02	13 57	7 17	19 24		7	W.	1 02	14 56	8 14	20 07	
8	M.	1 15	14 29	7 57	19 56		8	Th.	1 41	15 49	9 00	21 02	
9	Tu.	1 44	15 22	8 41	20 33		9	F.	2 35	16 54	9 57	22 19	
10	W.	2 16	16 25	9 32	21 22		10	Sa.	3 49	17 58	11 05	23 31	
11	Th.	3 01	17 37	10 35	22 32		11	S.	5 16	18 54	.....	12 15	
12	F.	4 15	18 50	11 50	.....		12	M.	6 41	19 44	0 52	13 20	
13	Sa.	5 47	19 48	0 07	13 05		13	Tu.	8 01	20 31	2 00	14 18	
14	S.	7 04	20 33	1 20	14 03		14	W.	9 10	21 26	2 47	15 08	
15	M.	8 09	21 13	2 17	14 53		15	Th.	10 01	22 07	3 30	15 54	
16	Tu.	9 22	22 02	3 04	15 38		16	F.	10 50	22 43	4 10	16 38	
17	W.	10 14	22 36	3 49	16 19		17	Sa.	11 38	23 17	4 51	17 16	
18	Th.	10 59	23 09	4 28	16 57		18	S.	12 26	23 54	5 35	17 54	
19	F.	11 43	23 44	5 06	17 35		19	M.	.....	13 15	6 21	18 32	
20	Sa.	.....	12 29	5 46	18 14		20	Tu.	0 33	14 08	7 11	19 18	
21	S.	0 19	13 19	6 30	18 51		21	W.	1 20	14 53	8 06	20 12	
22	M.	0 55	14 14	7 20	19 34		22	Th.	2 03	15 53	9 06	21 14	
23	Tu.	1 38	15 03	8 16	20 25		23	F.	3 08	16 54	10 09	22 22	
24	W.	2 16	16 11	9 21	21 31		24	Sa.	4 27	17 55	11 15	23 43	
25	Th.	3 22	17 22	10 35	22 50		25	S.	6 51	18 52	.....	12 22	
26	F.	4 41	18 36	11 52	.....		26	M.	7 14	19 42	0 58	13 24	
27	Sa.	6 02	19 38	0 10	13 05		27	Tu.	8 17	20 25	1 56	14 17	
28	S.	7 18	20 26	1 19	14 06		28	W.	9 07	21 04	2 44	15 02	
29	M.	8 25	21 06	2 19	14 56		29	Th.	10 05	21 53	3 27	15 42	
30	Tu.	9 37	21 55	3 10	15 38		30	F.	10 47	22 24	4 06	16 19	
31	W.	10 25	22 30	3 54	16 16								

The TIME used is Atlantic Standard, for the 60th Meridian. It is counted from 0 to 24 hours, from midnight to midnight.

JANUARY.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.	
1	M.	1 57	14 07	8 22	20 38	D
2	Tu.	2 58	15 53	9 08	21 40	
3	W.	4 05	16 37	9 56	22 42	
4	Th.	5 12	17 20	10 46	23 45	
5	F.	6 20	18 04	11 38	.....
6	Sa.	7 23	18 46	0 42	12 31	
7	S.	8 16	19 26	1 31	13 18	
8	M.	9 02	20 08	2 13	14 03	
9	Tu.	9 43	20 49	2 53	14 45	
10	W.	10 22	21 31	3 32	15 26	O
11	Th.	11 01	22 14	4 11	16 06	
12	F.	11 41	22 58	4 51	16 48	
13	Sa.	12 22	23 46	5 32	17 32	
14	S.	.....	13 04	6 15	18 20
15	M.	0 38	13 49	7 00	19 12	
16	Tu.	1 40	14 37	7 49	20 12	
17	W.	1 45	15 28	8 43	21 16	C
18	Th.	3 55	16 22	9 43	22 25	
19	F.	5 09	17 20	10 49	23 38	
20	Sa.	6 26	18 22	11 55	.....
21	S.	7 42	19 25	0 50	13 04	
22	M.	8 50	20 01	1 55	14 05	
23	Tu.	9 45	20 51	2 50	14 54	
24	W.	10 27	21 39	3 38	15 36	☉
25	Th.	11 07	22 27	4 21	16 17	
26	F.	11 46	23 13	5 01	16 58	
27	Sa.	12 24	23 59	5 40	17 40	
28	S.	.....	13 01	6 18	18 23
29	M.	0 48	13 37	6 55	19 08	
30	Tu.	1 36	14 13	7 31	19 50	
31	W.	2 23	14 50	8 07	20 36	

FEBRUARY.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.	
1	Th.	3 15	15 29	8 47	21 29	D
2	F.	4 16	16 08	9 34	22 33	
3	Sa.	5 29	16 51	10 25	23 46	
4	S.	6 44	17 45	11 23	.....
5	M.	7 46	18 41	0 55	12 32	
6	Tu.	8 39	19 35	1 52	13 39	
7	W.	9 23	20 26	2 38	14 27	
8	Th.	10 02	21 14	3 17	15 10	
9	F.	10 39	22 03	3 54	15 53	
10	Sa.	11 15	22 51	4 32	16 37	O
11	S.	11 51	23 43	5 11	17 22	
12	M.	.....	12 30	5 52	18 09
13	Tu.	0 35	13 12	6 36	18 54	
14	W.	1 30	13 58	7 24	19 44	
15	Th.	2 32	14 47	8 15	20 42	
16	F.	3 38	15 37	9 11	21 52	C
17	Sa.	4 50	16 33	10 15	23 12	
18	S.	6 14	17 38	11 31	.....
19	M.	7 33	18 42	0 31	12 44	
20	Tu.	8 27	19 43	1 35	13 43	
21	W.	9 17	20 40	2 31	14 34	
22	Th.	10 02	21 32	3 22	15 20	
23	F.	10 42	22 21	4 08	16 01	☉
24	Sa.	11 18	23 07	4 47	16 42	
25	S.	11 52	23 54	5 21	17 22	
26	M.	.....	12 24	5 53	18 02
27	Tu.	0 37	12 55	6 24	18 37	
28	W.	1 15	13 25	6 54	19 14	

MARCH.

Date.	Day.	H. M.	H. M.	H. M.	H. M.	Moon.
		Morning	After'n	Morning	After'n	
1	Th.	1 53	13 55	7 26	19 55	D
2	F.	2 36	14 24	8 02	20 42	
3	Sa.	3 33	14 58	8 39	21 39	
4	S.	4 44	15 46	9 28	22 50	
5	M.	6 07	16 51	10 42	.....
6	Tu.	7 19	18 03	0 14	12 05	
7	W.	8 12	19 09	1 20	13 12	
8	Th.	8 55	20 07	2 07	14 01	
9	F.	9 33	21 03	2 49	14 47	
10	Sa.	10 08	21 54	3 30	15 33	O
11	S.	10 42	22 48	4 10	16 18	
12	M.	11 17	23 31	4 49	17 03	
13	Tu.	11 56	.....	5 29	17 45
14	W.	0 18	12 38	6 11	18 30	
15	Th.	1 11	13 20	6 56	19 18	
16	F.	2 11	14 02	7 41	20 15	
17	Sa.	3 19	14 51	8 34	21 24	C
18	S.	4 25	15 54	9 40	22 44	
19	M.	5 56	17 08	11 01	.....
20	Tu.	7 09	18 24	0 05	12 16	
21	W.	8 07	19 33	1 14	13 21	
22	Th.	8 54	20 33	2 12	14 17	
23	F.	9 34	21 24	2 58	15 03	
24	Sa.	10 09	22 13	3 39	15 44	☉
25	S.	10 42	22 57	4 16	16 23	
26	M.	11 11	23 35	4 49	16 56	
27	Tu.	11 39	.....	5 20	17 28
28	W.	0 11	12 06	5 50	18 01	
29	Th.	0 47	12 30	6 21	18 36	
30	F.	1 26	12 54	6 49	19 15	
31	Sa.	2 09	13 24	7 22	20 01	

APRIL.

Date.	Day.	H. M.	H. M.	H. M.	H. M.	Moon.
		Morning	After'n	Morning	After'n	
1	S.	3 03	14 00	8 01	20 57	D
2	M.	4 11	14 57	8 57	22 10	
3	Tu.	5 33	16 21	10 16	23 33	
4	W.	6 46	17 41	11 41	.....
5	Th.	7 33	18 55	0 44	12 47	
6	F.	8 15	20 00	1 38	13 47	
7	Sa.	8 56	21 00	2 26	14 37	
8	S.	9 36	21 54	3 08	15 25	
9	M.	10 15	22 42	3 49	16 06	O
10	Tu.	10 53	23 29	4 29	16 47	
11	W.	11 31	.....	5 09	17 29
12	Th.	0 16	12 05	5 50	18 13	
13	F.	1 05	12 40	6 29	19 03	
14	Sa.	2 01	13 22	7 16	20 00	
15	S.	3 06	14 17	8 12	21 05	C
16	M.	4 20	15 29	9 21	22 24	
17	Tu.	5 34	16 50	10 40	23 41	
18	W.	6 43	18 10	12 00	.....
19	Th.	7 39	19 24	0 52	13 05	
20	F.	8 24	20 25	1 48	13 55	
21	Sa.	9 00	21 18	2 30	14 39	
22	S.	9 33	22 04	3 08	15 21	☉
23	M.	10 04	22 42	3 43	15 56	
24	Tu.	10 33	23 17	4 16	16 30	
25	W.	11 01	23 51	4 47	17 03	
26	Th.	11 26	.....	5 12	17 37
27	F.	0 26	11 50	5 39	18 13	
28	Sa.	1 04	12 18	6 09	18 52	
29	S.	1 58	12 51	6 47	19 35	
30	M.	2 44	13 33	7 36	20 28	

The TIME used is Atlantic Standard, for the 60th Meridian. It is counted from 0 to 24 hours, from midnight to midnight.
 TIDAL DIFFERENCES for Northumberland strait are given on page 4.

MAY.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.	
1	Tu.	3 47	14 32	8 40	21 32	☽
2	W.	4 54	15 52	9 59	22 50	
3	Th.	5 55	17 20	11 16	.....
4	F.	6 50	18 43	0 01	12 29	
5	Sa.	7 39	19 59	1 02	13 33	
6	S.	8 24	20 56	1 54	14 22	
7	M.	9 07	21 48	2 41	15 06	
8	Tu.	9 48	22 37	3 25	15 48	☉
9	W.	10 24	23 24	4 08	16 30	
10	Th.	10 57	.....	4 46	17 13	
11	F.	0 10	11 33	5 26	17 59	
12	Sa.	0 58	12 11	6 07	18 49	
13	S.	1 50	12 56	6 53	19 43	
14	M.	2 48	13 53	7 46	20 42	
15	Tu.	3 51	15 03	8 50	21 47	☾
16	W.	4 57	16 29	10 09	22 57	
17	Th.	5 59	17 55	11 29	.....
18	F.	6 53	19 10	0 05	12 35	
19	Sa.	7 37	20 13	1 02	13 31	
20	S.	8 16	21 01	1 48	14 15	
21	M.	8 51	21 42	2 29	14 55	
22	Tu.	9 24	22 20	3 06	15 32	
23	W.	9 51	22 57	3 41	16 08	☽
24	Th.	10 15	23 34	4 11	16 43	
25	F.	10 42	.....	4 42	17 18	
26	Sa.	0 12	11 11	5 14	17 54	
27	S.	0 52	11 45	5 50	18 33	
28	M.	1 34	12 25	6 30	19 15	
29	Tu.	2 20	13 14	7 18	20 03	
30	W.	3 11	14 18	8 17	20 59	
31	Th.	4 10	15 35	9 29	22 04	☾

JUNE.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.	
1	F.	5 10	17 07	10 47	23 15	
2	Sa.	6 08	18 33	.....	12 06	
3	S.	7 02	19 42	0 25	13 09	
4	M.	7 52	20 39	1 26	13 59	
5	Tu.	8 39	21 32	2 17	14 45	☉
6	W.	9 18	22 22	3 05	15 30	
7	Th.	9 53	23 09	3 47	16 14	
8	F.	10 29	23 55	4 29	16 59	
9	Sa.	11 07	.....	5 10	17 46	
10	S.	0 42	11 51	5 52	18 35	
11	M.	1 31	12 41	6 37	19 26	
12	Tu.	2 22	13 38	7 28	20 19	
13	W.	3 15	14 44	8 26	21 14	☽
14	Th.	4 09	16 02	9 34	22 11	
15	F.	5 02	17 28	10 46	23 11	
16	Sa.	5 53	18 37	12 00	.....
17	S.	6 41	19 38	0 08	12 53	
18	M.	7 26	20 30	1 00	13 44	
19	Tu.	8 04	21 16	1 45	14 28	
20	W.	8 36	21 58	2 25	15 08	☾
21	Th.	9 08	22 37	3 01	15 45	
22	F.	9 29	23 14	3 35	16 20	☽
23	Sa.	10 12	23 50	4 10	16 55	
24	S.	10 47	.....	4 47	17 32	
25	M.	0 27	11 28	5 28	18 12	
26	Tu.	1 07	12 16	6 13	18 56	
27	W.	1 51	13 10	7 04	19 44	
28	Th.	2 39	14 14	8 00	20 35	
29	F.	3 31	15 26	9 06	21 32	☾
30	Sa.	4 27	16 46	10 16	22 36	

JULY.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.	
1	S.	5 25	18 08	11 30	23 44	
2	M.	6 22	19 24	.....	12 38	
3	Tu.	7 13	20 29	0 51	13 39	
4	W.	7 59	21 27	1 48	14 34	
5	Th.	8 44	22 07	2 40	15 25	
6	F.	9 27	23 07	3 25	16 12	☉
7	Sa.	10 11	23 52	4 07	16 55	
8	S.	10 57	.....	4 49	17 37	
9	M.	0 35	11 46	5 33	18 18	
10	Tu.	1 16	12 39	6 19	19 00	
11	W.	1 56	13 34	7 08	19 43	
12	Th.	2 37	14 34	8 00	20 27	
13	F.	3 20	15 35	8 56	21 13	☽
14	Sa.	4 05	16 37	9 51	22 03	
15	S.	4 52	17 46	10 54	22 58	
16	M.	5 42	18 58	12 04	23 59	
17	Tu.	6 28	20 02	.....	13 08	
18	W.	7 10	20 53	0 55	13 58	
19	Th.	7 53	21 37	1 47	14 43	
20	F.	8 34	22 16	2 33	15 25	
21	Sa.	9 15	22 52	3 15	16 04	☽
22	S.	9 56	23 27	3 53	16 41	
23	M.	10 38	.....	4 32	17 17	
24	Tu.	0 03	11 23	5 12	17 53	
25	W.	0 40	12 10	5 55	18 31	
26	Th.	1 19	13 08	6 41	19 13	
27	F.	2 01	14 03	7 24	20 01	☾
28	Sa.	2 47	15 13	8 31	20 57	
29	S.	3 38	16 30	9 41	22 01	
30	M.	4 32	17 49	10 55	23 09	
31	Tu.	5 30	19 06	.....	12 11	

AUGUST.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.	
1	W.	6 30	20 18	0 22	13 25	
2	Th.	7 27	21 14	1 26	14 26	
3	F.	8 21	22 02	2 21	15 16	
4	Sa.	9 13	22 46	3 10	16 02	☉
5	S.	10 04	23 26	3 57	16 45	
6	M.	10 55	.....	4 41	17 25	
7	Tu.	0 03	11 45	5 23	18 03	
8	W.	0 39	12 35	6 04	18 39	
9	Th.	1 14	13 23	6 48	19 14	
10	F.	1 48	14 09	7 30	19 48	
11	Sa.	2 23	14 56	8 17	20 25	☽
12	S.	3 01	15 55	9 10	21 08	
13	M.	3 40	17 06	10 12	21 56	
14	Tu.	4 27	18 27	11 24	23 00	
15	W.	5 21	19 36	.....	12 31	
16	Th.	6 21	20 31	0 11	13 31	
17	F.	7 19	21 14	1 16	14 22	
18	Sa.	8 12	21 48	2 10	15 04	
19	S.	9 00	22 21	2 56	15 41	☽
20	M.	9 48	22 55	3 38	16 16	
21	Tu.	10 35	23 30	4 19	16 52	
22	W.	11 23	.....	4 59	17 30	
23	Th.	0 07	12 09	5 43	18 10	
24	F.	0 47	12 56	6 26	18 53	
25	Sa.	1 30	13 52	7 14	19 40	
26	S.	2 16	14 57	8 09	20 32	☾
27	M.	3 02	16 12	9 13	21 28	
28	Tu.	3 54	17 36	10 31	22 45	
29	W.	4 59	18 58	11 55	.....
30	Th.	6 08	20 06	0 05	13 12	
31	F.	7 18	21 01	1 16	14 11	

The TIME used is Atlantic Standard, for the 60th Meridian. It is counted from 0 to 24 hours, from midnight to midnight.
 TIDAL DIFFERENCES for Northumberland strait are given on page 4.

TIDE TABLES—PICTOU, N.S., 1906

SEPTEMBER.

OCTOBER.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n				Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.				H. M.	H. M.	H. M.	H. M.	
1	Sa.	8 19	21 46	2 08	15 00	○	1	M.	9 06	21 53	2 43	15 26	○
2	S.	9 11	22 24	2 55	15 44		2	Tu.	9 56	22 25	3 28	16 02	
3	M.	10 00	22 58	3 39	16 24		3	W.	10 40	22 55	4 09	16 34	
4	Tu.	10 44	23 31	4 22	17 01		4	Th.	11 19	23 23	4 43	17 05	
5	W.	11 29	.....	5 03	17 35		5	F.	11 57	23 52	5 16	17 35	
6	Th.	0 02	12 11	5 44	18 07		6	Sa.	.....	12 34	5 50	18 06	
7	F.	0 32	12 51	6 19	18 38		7	S.	0 18	13 13	6 27	18 34	
8	Sa.	1 03	13 34	6 55	19 11		8	M.	0 43	13 57	7 07	19 06	
9	S.	1 35	14 21	7 35	19 47		9	Tu.	1 12	14 50	7 51	19 43	
10	M.	2 06	15 16	8 22	20 22	○	10	W.	1 44	15 53	8 42	20 32	○
11	Tu.	2 38	16 20	9 18	21 09		11	Th.	2 29	17 05	9 45	21 42	
12	W.	3 21	17 42	10 24	22 09		12	F.	3 44	18 18	11 00	23 17	
13	Th.	4 24	19 02	11 48	23 39		13	Sa.	5 15	19 16	.....	12 15	
14	F.	5 49	20 08	.....	13 02		14	S.	6 32	20 01	0 30	13 13	
15	Sa.	6 57	20 44	0 53	13 57		15	M.	7 37	20 41	1 27	14 03	
16	S.	7 51	21 16	1 49	14 38		16	Tu.	8 38	21 18	2 14	14 48	
17	M.	8 43	21 47	2 33	15 16		17	W.	9 30	21 52	2 59	15 29	☉
18	Tu.	9 33	22 19	3 15	15 53	☉	18	Th.	10 15	22 25	3 38	16 07	
19	W.	10 28	22 54	3 56	16 30		19	F.	10 59	23 00	4 16	16 45	
20	Th.	11 11	23 31	4 40	17 08		20	Sa.	11 45	23 35	4 56	17 24	
21	F.	11 56	.....	5 21	17 48		21	S.	.....	12 35	5 40	18 01	
22	Sa.	0 10	12 46	6 05	18 30		22	M.	0 11	13 30	6 30	18 44	
23	S.	0 48	13 42	6 53	19 11		23	Tu.	0 54	14 31	7 26	19 35	
24	M.	1 27	14 46	7 46	20 01		24	W.	1 44	15 39	8 31	20 41	
25	Tu.	2 14	16 00	8 48	21 00	☽	25	Th.	2 50	16 52	9 45	22 00	☽
26	W.	3 13	17 18	10 04	22 19		26	F.	4 09	18 04	11 02	23 20	
27	Th.	4 29	18 32	11 32	23 46		27	Sa.	5 30	19 06	.....	12 15	
28	F.	5 49	19 38	.....	12 48		28	S.	6 46	19 54	0 29	13 16	
29	Sa.	7 03	20 33	0 56	13 52		29	M.	7 53	20 34	1 29	14 06	
30	S.	8 10	21 17	1 52	14 44		30	Tu.	8 53	21 11	2 20	14 48	
							31	W.	9 41	21 46	3 04	15 26	

NOVEMBER.

DECEMBER.

Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n				Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.				H. M.	H. M.	H. M.	H. M.	
1	Th.	10 22	22 19	3 41	16 01	○	1	Sa.	10 42	22 07	3 53	16 00	
2	F.	11 00	22 50	4 17	16 34		2	S.	11 20	22 36	4 30	16 31	
3	Sa.	11 36	23 16	4 52	17 00		3	M.	11 58	23 06	5 06	17 03	
4	S.	12 14	23 38	5 28	17 28		4	Tu.	12 37	23 40	5 52	17 38	
5	M.	.....	12 54	6 05	17 58		5	W.	.....	13 18	6 20	18 17	
6	Tu.	0 03	13 37	6 43	18 34		6	Th.	0 17	14 02	7 06	19 03	
7	W.	0 30	14 24	7 24	19 17		7	F.	1 00	14 51	7 44	19 55	
8	Th.	1 09	15 17	8 10	20 12		8	Sa.	1 55	15 44	8 33	20 55	○
9	F.	2 03	16 22	9 07	21 29	○	9	S.	3 03	16 39	9 30	22 05	○
10	Sa.	3 17	17 26	10 15	22 41		10	M.	4 27	17 33	10 38	23 26	
11	S.	4 44	18 22	11 25	.....		11	Tu.	5 53	18 25	11 49	.....
12	M.	6 09	19 12	0 02	12 30		12	W.	7 05	19 15	0 32	12 49	
13	Tu.	7 29	19 59	1 10	13 28		13	Th.	8 06	20 04	1 30	13 42	
14	W.	8 26	20 42	1 57	14 18		14	F.	9 01	20 48	2 20	14 33	
15	Th.	9 17	21 23	2 40	15 04		15	Sa.	9 53	21 28	3 07	15 17	☉
16	F.	10 06	21 59	3 20	15 48	☉	16	S.	10 43	22 09	3 52	16 00	
17	Sa.	10 54	22 33	4 01	16 26		17	M.	11 32	22 49	4 38	16 42	
18	S.	11 42	23 10	4 45	17 04		18	Tu.	12 20	23 33	5 25	17 27	
19	M.	12 31	23 49	5 31	17 42		19	W.	.....	13 09	6 13	18 15	
20	Tu.	.....	13 24	6 21	18 28		20	Th.	0 22	13 58	7 02	19 07	
21	W.	0 36	14 21	7 16	19 22		21	F.	1 16	14 48	7 53	20 03	
22	Th.	1 31	15 21	8 16	20 24	☽	22	Sa.	2 18	15 40	8 46	21 06	☽
23	F.	2 36	16 22	9 19	21 32		23	S.	3 29	16 34	9 43	22 15	
24	Sa.	3 55	17 23	10 25	22 53		24	M.	4 50	17 27	10 42	23 24	
25	S.	5 19	18 20	11 32	.....		25	Tu.	6 02	18 16	11 41	.....
26	M.	6 42	19 10	0 08	12 34		26	W.	7 10	19 02	0 25	12 37	
27	Tu.	7 45	19 53	1 06	13 27		27	Th.	8 10	19 42	1 20	13 28	
28	W.	8 35	20 32	1 54	14 12		28	F.	8 58	20 17	2 08	14 10	
29	Th.	9 21	21 09	2 37	14 52		29	Sa.	9 40	20 52	2 49	14 48	
30	F.	10 03	21 40	3 16	15 29	○	30	S.	10 19	21 26	3 28	15 24	○
							31	M.	10 57	22 02	4 06	16 01	

The TIME used is Atlantic Standard, for the 60th Meridian. It is counted from 0 to 24 hours, from midnight to midnight.

TIDAL DIFFERENCES for Northumberland strait are given on page 4.

JANUARY.							FEBRUARY.													
Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.							
		Morning		After'n					Morning		After'n									
		H.	M.	H.	M.				H.	M.	H.	M.								
1	M.	0	32	13	31	7	00	19	21	1	39	13	53	7	25	20	07	☽		
2	Tu.	1	26	14	17	7	46	20	18	2	40	14	36	8	12	21	11	☽		
3	W.	2	29	15	01	8	34	21	20	3	53	15	26	9	08	22	24	☽		
4	Th.	3	36	15	44	9	24	22	23	4	08	16	25	10	10	23	53	☽		
5	F.	4	44	16	28	10	16	23	20	5	10	17	26	11	23	.....	.....	☽
6	Sa.	5	47	17	14	11	09	.....	.....	6	10	18	22	0	30	12	32	☽		
7	S.	6	40	18	01	0	09	12	01	7	47	19	13	1	16	13	21	☽		
8	M.	7	26	18	48	0	51	12	50	8	26	19	59	1	55	14	03	☽		
9	W.	8	07	19	34	1	31	13	36	9	03	20	43	2	32	14	44	☽		
10	Th.	8	46	20	18	2	10	14	19	10	39	21	26	3	10	15	24	☽		
11	Th.	9	25	21	01	2	49	15	00	11	15	22	11	3	49	16	05	☽		
12	F.	10	05	21	43	3	29	15	41	12	10	22	59	4	30	16	47	☽		
13	Sa.	10	46	22	26	4	10	16	23	13	36	23	54	5	14	17	32	☽		
14	S.	11	28	23	13	4	53	17	07	14	10	12	22	6	02	18	22	☽		
15	M.	.....	.....	12	13	5	38	17	55	15	Th.	.....	.....	12	11	6	53	19	☽	
16	Tu.	0	04	13	01	6	27	18	50	16	F.	2	02	14	05	7	49	20	30	☽
17	W.	1	09	13	52	7	21	19	54	17	Sa.	3	14	15	08	8	58	21	50	☽
18	Th.	2	19	14	46	8	21	21	03	18	S.	4	38	16	18	10	18	23	09	☽
19	F.	3	33	15	44	9	27	22	16	19	M.	5	57	17	27	11	35	.....	.....	☽
20	Sa.	4	50	16	46	10	38	23	28	20	Tu.	6	51	18	30	0	13	12	36	☽
21	S.	6	06	17	49	11	51	.....	.....	21	W.	7	41	19	27	1	09	13	28	☽
22	M.	7	14	18	46	0	33	12	56	22	Th.	8	26	20	17	2	00	14	13	☽
23	Tu.	8	09	19	38	1	28	13	47	23	F.	9	06	21	01	2	46	14	52	☽
24	W.	8	51	20	26	2	16	14	30	24	Sa.	9	42	21	42	3	25	15	29	☽
25	Th.	9	31	21	11	2	59	15	10	25	S.	10	16	22	22	3	59	16	05	☽
26	F.	10	10	21	53	3	39	15	49	26	M.	10	48	23	01	4	31	16	40	☽
27	Sa.	10	48	22	34	4	18	16	27	27	Tu.	11	19	23	39	5	02	17	15	☽
28	S.	11	25	23	16	4	56	17	06	28	W.	11	49	.....	.....	5	32	17	52	☽
29	M.	.....	.....	12	01	5	33	17	46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Tu.	0	00	12	37	6	09	18	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	W.	0	47	13	14	6	45	19	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

MARCH.							APRIL.													
Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.							
		Morning		After'n					Morning		After'n									
		H.	M.	H.	M.				H.	M.	H.	M.								
1	Th.	0	17	12	19	6	04	18	33	1	S.	1	27	12	45	6	52	19	35	☽
2	F.	1	00	12	52	6	40	19	20	2	M.	2	35	13	44	7	50	20	48	☽
3	Sa.	1	57	13	33	7	22	20	17	3	Tu.	3	57	15	08	9	10	22	10	☽
4	S.	3	08	14	26	8	15	21	28	4	W.	5	10	16	26	10	34	23	22	☽
5	M.	4	31	15	36	9	33	22	52	5	Th.	5	57	17	35	11	38	.....	.....	☽
6	W.	5	43	16	50	10	58	23	58	6	F.	6	39	18	35	0	16	12	34	☽
7	Tu.	6	36	17	56	.....	.....	12	06	7	Sa.	7	20	19	28	1	04	13	20	☽
8	Th.	7	19	18	52	0	45	12	54	8	S.	8	00	20	18	1	46	14	03	☽
9	F.	7	57	19	43	1	27	13	38	9	M.	8	39	21	06	2	27	14	44	☽
10	Sa.	8	32	20	29	2	08	14	20	10	Tu.	9	17	21	53	3	07	15	25	☽
11	S.	9	06	21	12	2	48	15	01	11	W.	9	55	22	40	3	47	16	07	☽
12	M.	9	41	21	55	3	27	15	41	12	Th.	10	34	23	29	4	28	16	51	☽
13	Tu.	10	20	22	42	4	07	16	23	13	F.	11	15	.....	.....	5	12	17	41	☽
14	W.	11	02	23	35	4	49	17	08	14	Sa.	0	25	12	02	6	03	18	38	☽
15	Th.	11	48	.....	.....	5	34	17	56	15	S.	1	30	13	02	7	03	19	43	☽
16	F.	0	35	12	37	6	24	18	53	16	M.	2	44	14	16	8	14	21	02	☽
17	Sa.	1	43	13	31	7	21	20	02	17	Tu.	3	58	15	37	9	34	22	19	☽
18	S.	2	59	14	39	8	31	21	22	18	W.	5	07	16	55	10	53	23	30	☽
19	M.	4	20	15	55	9	54	22	43	19	Th.	6	03	18	04	11	56	.....	.....	☽
20	Tu.	5	33	17	11	11	10	23	52	20	F.	6	48	19	00	0	26	12	42	☽
21	W.	6	31	18	18	.....	.....	12	14	21	Sa.	7	24	19	46	1	08	13	22	☽
22	Th.	7	18	19	13	0	50	13	08	22	S.	7	57	20	28	1	46	13	59	☽
23	F.	7	58	19	59	1	34	13	50	23	M.	8	28	21	06	2	21	14	34	☽
24	Sa.	8	33	20	41	2	17	14	27	24	Tu.	8	57	21	41	2	54	15	08	☽
25	S.	9	06	21	21	2	54	15	01	25	W.	9	25	22	15	3	25	15	41	☽
26	M.	9	35	21	59	3	27	15	34	26	Th.	9	54	22	50	3	55	16	15	☽
27	Tu.	10	03	22	35	3	58	16	06	27	F.	10	25	23	28	4	26	16	51	☽
28	W.	10	30	23	11	4	28	16	39	28	Sa.	10	58	.....	.....	5	00	17	30	☽
29	Th.	10	58	23	50	4	59	17	14	29	S.	0	12	11	36	5	40	18	13	☽
30	F.	11	29	.....	.....	5	32	17	53	30	M.	1	08	12	20	6	30	19	06	☽
31	Sa.	0	33	12	04	6	09	18	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

The TIME used is Atlantic Standard, for the 60th Meridian. It is counted from 0 to 24 hours, from midnight to midnight.

TIDAL DIFFERENCES for the south-western side of the Gulf of St. Lawrence, the north coast of Prince Edward island and Cabot strait, are given on page 4.

MAY.						JUNE.							
Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n				Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.				H. M.	H. M.	H. M.	H. M.	
1	Tu.	2 11	13 19	7 33	20 10	c	1	F.	3 34	15 35	9 30	21 53	
2	W.	3 18	14 37	8 50	21 28		2	Sa.	4 32	16 57	10 44	23 03	
3	Th.	4 19	16 00	10 03	22 39		3	S.	5 26	18 06	11 47	.....
4	F.	5 14	17 18	11 12	23 40		4	M.	6 16	19 03	0 04	12 37	
5	Sa.	6 03	18 23	.....	12 11		5	Tu.	7 03	19 56	0 55	13 23	
6	S.	6 48	19 20	0 32	13 00		6	W.	7 46	20 46	1 43	14 08	o
7	M.	7 31	20 12	1 19	13 44		7	Th.	8 28	21 33	2 30	14 52	
8	Tu.	8 12	21 01	2 03	14 26	o	8	F.	9 09	22 19	3 16	15 37	
9	W.	8 52	21 48	2 46	15 08		9	Sa.	9 52	23 06	4 01	16 24	
10	Th.	9 32	22 34	3 29	15 51		10	S.	10 38	23 55	4 45	17 13	
11	F.	10 13	23 22	4 13	16 37		11	M.	11 28	.....	5 31	18 04	
12	Sa.	10 56	.....	4 58	17 27		12	Tu.	0 46	12 23	6 21	18 57	
13	S.	0 14	11 43	5 46	18 21		13	W.	1 39	13 24	7 17	19 52	c
14	M.	1 12	12 40	6 40	19 20		14	Th.	2 33	14 37	8 21	20 49	
15	Tu.	2 15	13 48	7 43	20 25	c	15	F.	3 26	15 52	9 29	21 49	
16	W.	3 21	15 09	9 00	21 35		16	Sa.	4 17	17 01	10 38	22 46	
17	Th.	4 23	16 30	10 16	22 43		17	S.	5 05	18 02	11 31	23 38	
18	F.	5 17	17 38	11 18	23 40		18	M.	5 50	18 54	12 22	.....
19	Sa.	6 01	18 37	.....	12 09		19	Tu.	6 32	19 40	0 25	13 06	
20	S.	6 40	19 25	0 26	12 53		20	W.	7 11	20 22	1 08	13 46	
21	M.	7 15	20 06	1 07	13 33		21	Th.	7 48	21 01	1 48	14 23	o
22	Tu.	7 48	20 44	1 44	14 10		22	F.	8 24	21 38	2 26	14 58	
23	W.	8 19	21 21	2 19	14 46	o	23	Sa.	8 59	22 14	3 03	15 33	
24	Th.	8 50	21 58	2 54	15 21		24	S.	9 34	22 51	3 41	16 10	
25	F.	9 22	22 36	3 29	15 56		25	M.	10 13	23 31	4 21	16 50	
26	Sa.	9 56	23 16	4 05	16 32		26	Tu.	10 56	.....	5 04	17 34	
27	S.	10 32	23 58	4 43	17 11		27	W.	0 15	11 45	5 51	18 22	
28	M.	11 12	.....	5 24	17 53		28	Th.	1 03	12 42	6 43	19 13	
29	Tu.	0 44	11 59	6 11	18 41		29	F.	1 55	13 50	7 44	20 10	d
30	W.	1 35	12 58	7 08	19 37		30	Sa.	2 51	15 10	8 54	21 14	
31	Th.	2 34	14 10	8 16	20 42	c							

JULY.						AUGUST.							
Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.
		Morning	After'n	Morning	After'n				Morning	After'n	Morning	After'n	
		H. M.	H. M.	H. M.	H. M.				H. M.	H. M.	H. M.	H. M.	
1	S.	3 49	16 32	10 08	22 22		1	W.	5 10	18 42	.....	12 03	
2	M.	4 46	17 48	11 16	23 29		2	Th.	6 12	19 38	0 17	13 04	
3	Tu.	5 41	18 53	.....	12 17		3	F.	7 08	20 26	1 14	13 54	
4	W.	6 34	19 51	0 31	13 12		4	Sa.	8 00	21 10	2 04	14 40	o
5	Th.	7 24	20 43	1 27	14 03		5	S.	8 49	21 50	2 50	15 23	
6	F.	8 12	21 31	2 16	14 50	o	6	M.	9 35	22 27	3 32	16 03	
7	Sa.	8 58	22 16	3 00	15 33		7	Tu.	10 19	23 03	4 10	16 41	
8	S.	9 44	22 59	3 43	16 15		8	W.	11 03	23 38	4 47	17 17	
9	M.	10 31	23 40	4 26	16 56		9	Th.	11 47	.....	5 26	17 52	
10	Tu.	11 19	.....	5 10	17 38		10	F.	0 12	12 33	6 08	18 26	
11	W.	0 20	12 09	5 55	18 21		11	Sa.	0 47	13 20	6 55	19 03	c
12	Th.	1 01	13 02	6 43	19 05		12	S.	1 25	14 19	7 48	19 46	
13	F.	1 44	13 59	7 34	19 51	c	13	M.	2 08	15 30	8 50	20 39	
14	Sa.	2 29	15 01	8 29	20 41		14	Tu.	3 02	16 51	10 02	21 47	
15	S.	3 16	16 10	9 32	21 36		15	W.	4 01	18 00	11 09	23 02	
16	M.	4 06	17 22	10 42	22 37		16	Th.	5 06	18 55	.....	12 09	
17	Tu.	4 56	18 26	11 46	23 38		17	F.	6 06	19 38	0 09	13 00	
18	W.	5 45	19 17	.....	12 36		18	Sa.	6 59	20 12	1 04	13 42	
19	Th.	6 33	20 01	0 34	13 21		19	S.	7 45	20 45	1 49	14 19	o
20	F.	7 19	20 40	1 24	14 03		20	M.	8 28	21 19	2 29	14 54	
21	Sa.	8 02	21 16	2 08	14 42	o	21	Tu.	9 10	21 54	3 06	15 30	
22	S.	8 43	21 51	2 47	15 19		22	W.	9 51	22 31	3 42	16 08	
23	M.	9 23	22 27	3 25	15 55		23	Th.	10 33	23 11	4 21	16 48	
24	Tu.	10 03	23 04	4 03	16 31		24	F.	11 20	23 54	5 04	17 31	
25	W.	10 45	23 43	4 42	17 09		25	Sa.	.....	12 16	5 52	18 18	
26	Th.	11 32	.....	5 24	17 51		26	S.	0 40	13 21	6 47	19 10	d
27	F.	0 25	12 27	6 12	18 39		27	M.	1 30	14 36	7 51	20 11	
28	Sa.	1 11	13 37	7 09	19 35		28	Tu.	2 29	16 00	9 09	21 32	
29	S.	2 02	14 54	8 19	20 39		29	W.	3 39	17 22	10 33	22 56	
30	M.	3 00	16 13	9 33	21 52		30	Th.	4 53	18 30	11 50	.....
31	Tu.	4 05	17 30	10 49	23 09		31	F.	6 05	19 25	0 09	12 49	

The TIME used is Atlantic Standard, for the 60th Meridian. It is counted from 0 to 24 hours, from midnight to midnight.

TIDAL DIFFERENCES for the south-western side of the Gulf of St. Lawrence, the north coast of Prince Edward island and Cabot strait, are given on page 4.

SEPTEMBER.							OCTOBER.								
Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.		
		Morning		After'n					Morning		After'n				
		H.	M.	H.	M.				H.	M.	H.	M.			
1	Sa.	7	06	20	10	1 02	13 38	1	M.	7	41	20	17	1 30	14 04
2	F.	7	56	20	48	1 48	14 22	2	Tu.	8	24	20	49	2 11	14 40
3	M.	8	40	21	22	2 30	15 02	3	W.	9	04	21	19	2 47	15 12
4	Tu.	9	19	21	55	3 09	15 39	4	Th.	9	43	21	47	3 21	15 43
5	W.	9	57	22	26	3 46	16 13	5	F.	10	21	22	16	3 54	16 13
6	Th.	10	35	22	56	4 22	16 45	6	Sa.	10	58	22	46	4 28	16 44
7	F.	11	15	23	27	4 57	17 16	7	S.	11	37	23	18	5 05	17 17
8	Sa.	11	58	23	59	5 33	17 49	8	M.	12	21	23	52	5 45	17 53
9	M.	.....	.....	12	45	6 13	18 25	9	Tu.	.....	.....	13	14	6 29	18 34
10	W.	0	34	13	40	7 00	19 05	10	W.	0	29	14	17	7 20	19 25
11	Tu.	1	13	14	44	7 56	19 56	11	Th.	1	16	15	29	8 23	20 36
12	W.	2	01	16	06	9 02	21 00	12	F.	2	31	16	42	9 38	22 10
13	Th.	3	09	17	26	10 26	22 32	13	Sa.	4	06	17	40	10 53	23 21
14	F.	4	36	18	32	11 40	23 47	14	S.	5	12	18	25	11 51	.....
15	Sa.	5	44	19	08	.....	12 35	15	M.	6	12	19	05	0 14	12 41
16	S.	6	36	19	40	0 42	13 16	16	Tu.	7	06	19	42	0 57	13 26
17	M.	7	23	20	11	1 24	13 54	17	W.	7	54	20	16	1 37	14 07
18	Tu.	8	08	20	43	2 02	14 31	18	Th.	8	39	20	49	2 16	14 45
19	W.	8	52	21	18	2 39	15 08	19	F.	9	23	21	24	2 54	15 23
20	Th.	9	35	21	55	3 18	15 46	20	Sa.	10	09	22	03	3 34	16 02
21	F.	10	20	22	34	3 59	16 26	21	S.	10	59	22	46	4 18	16 44
22	Sa.	11	10	23	16	4 43	17 08	22	M.	11	54	23	34	5 08	17 31
23	S.	.....	.....	12	06	5 31	17 54	23	Tu.	.....	.....	12	55	6 04	18 26
24	M.	0	02	13	10	6 24	18 48	24	W.	0	29	14	03	7 09	19 34
25	Tu.	0	54	14	24	7 26	19 51	25	Th.	1	37	15	16	8 23	20 54
26	W.	1	58	15	42	8 42	21 12	26	F.	2	56	16	28	9 40	22 13
27	Th.	3	16	16	56	10 10	22 40	27	Sa.	4	15	17	30	10 53	23 20
28	F.	4	36	18	02	11 26	23 49	28	S.	5	26	18	18	11 54	.....
29	Sa.	5	48	18	57	.....	12 30	29	M.	6	28	18	58	0 16	12 44
30	S.	6	50	19	41	0 43	13 22	30	Tu.	7	21	19	35	1 03	13 26
								31	W.	8	05	20	10	1 42	14 04

NOVEMBER.							DECEMBER.								
Date.	Day.	HIGH WATER.		LOW WATER.		Moon.	Date.	Day.	HIGH WATER.		LOW WATER.		Moon.		
		Morning		After'n					Morning		After'n				
		H.	M.	H.	M.				H.	M.	H.	M.			
1	Th.	8	46	20	43	2 19	14 39	1	Sa.	9	06	20	42	2 31	14 43
2	F.	9	24	21	14	2 55	15 12	2	S.	9	44	21	16	3 08	15 18
3	Sa.	10	00	21	44	3 30	15 43	3	M.	10	22	21	51	3 44	15 54
4	S.	10	38	22	13	4 06	16 15	4	Tu.	11	01	22	27	4 20	16 31
5	M.	11	18	22	43	4 43	16 49	5	W.	11	42	23	04	4 58	17 11
6	Tu.	12	01	23	15	5 21	17 27	6	Th.	12	26	23	45	5 38	17 56
7	W.	12	48	23	56	6 02	18 11	7	F.	.....	.....	13	15	6 22	18 46
8	Th.	.....	.....	13	41	6 48	19 05	8	Sa.	0	35	14	08	7 11	19 42
9	F.	0	50	14	46	7 45	20 10	9	S.	1	38	15	03	8 08	20 48
10	Sa.	2	02	15	50	8 53	21 28	10	M.	2	55	15	57	9 16	22 04
11	S.	3	24	16	46	10 03	22 45	11	Tu.	4	17	16	49	10 27	23 10
12	M.	4	44	17	36	11 08	23 48	12	W.	5	29	17	39	11 27	.....
13	Tu.	5	53	18	23	.....	12 06	13	Th.	6	30	18	28	0 08	12 20
14	W.	6	50	19	06	0 35	12 56	14	F.	7	25	19	16	0 58	13 11
15	Th.	7	41	19	47	1 18	13 42	15	Sa.	8	17	20	03	1 45	14 00
16	F.	8	30	20	27	1 58	14 26	16	S.	9	07	20	49	2 30	14 47
17	Sa.	9	18	21	08	2 39	15 09	17	M.	9	56	21	34	3 16	15 33
18	S.	10	06	21	50	3 23	15 51	18	Tu.	10	44	22	20	4 03	16 20
19	M.	10	55	22	34	4 09	16 33	19	W.	11	33	23	09	4 51	17 09
20	Tu.	11	48	23	23	4 59	17 21	20	Th.	.....	.....	12	22	5 40	18 00
21	W.	.....	.....	12	45	5 54	18 16	21	F.	0	01	13	12	6 31	18 54
22	Th.	0	18	13	45	6 54	19 17	22	Sa.	0	58	14	04	7 24	19 53
23	F.	1	21	14	46	7 57	20 23	23	S.	2	04	14	58	8 21	20 58
24	Sa.	2	35	15	47	9 03	21 40	24	M.	3	14	15	51	9 20	22 02
25	S.	3	54	16	44	10 10	22 51	25	Tu.	4	26	16	40	10 19	23 03
26	M.	5	10	17	34	11 12	23 44	26	W.	5	34	17	26	11 15	23 58
27	Tu.	6	09	18	17	.....	12 05	27	Th.	6	34	18	10	.....	12 06
28	W.	6	59	18	56	0 32	12 50	28	F.	7	22	18	52	0 46	12 53
29	Th.	7	45	19	33	1 15	13 30	29	Sa.	8	04	19	32	1 27	13 35
30	F.	8	27	20	08	1 54	14 07	30	S.	8	43	20	11	2 06	14 15
								31	M.	9	21	20	49	2 44	14 54

The TIME used is Atlantic Standard, for the 60th Meridian. It is counted from 0 to 24 hours, from midnight to midnight.
 TIDAL DIFFERENCES for the south-western side of the Gulf of St. Lawrence, the north coast of Prince Edward island and Cabot strait, are given on page 4.

Biblioteka Politechniki Krakowskiej



II-353587

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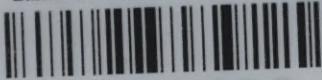
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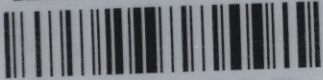
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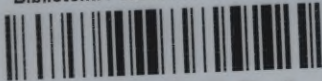
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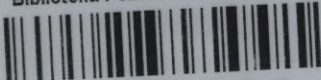
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Biblioteka Politechniki Krakowskiej



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Biblioteka Politechniki Krakowskiej



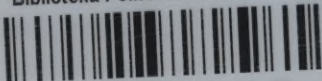
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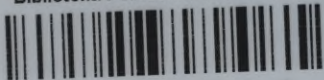
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