

With the compliments of



South Port NZ

TIDE TABLES
2018
BLUFF

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NOTE:

The following times for high and low water slack at Bluff Tide Beacon for the 12 month period have been calculated for arrivals and departures of major shipping at the Port of Bluff and may vary slightly from actual slack water at the port.

New Zealand daylight time (NZDT) ends at 0200 1st April 2018 and restarts at 0200 30th September 2018.

Where appropriate tide times have been corrected for N.Z.D.T. i.e. Do NOT add 1 hour.

While every effort is made by the company to ensure the accuracy of these tables the company accepts no responsibility for any omissions or errors.

SEA CODE

The Collision Regulations, Water recreation Regulations and By-laws govern the use of any vessel on the water. It is the duty of every master or operator to become fully conversant with these regulations.

Over recent years, many complaints have been lodged that the noise of boats has disturbed local residents, picnic parties and fish.

Do you know that the exhaust from your boat must be discharged through an efficient silencing device?

Other complaints have also been received about the behaviour of power boats and water skiers in anchorages and near crowded beaches.

Do you know that it is against the law to travel at a greater speed than 8 km an hour when within 188 metres of the shore or when passing within 30 metres of any other vessel, whether under way or moored or of any person bathing or fishing?

With the upsurge of the sport of water skiing, it became necessary to provide some means for the skier and tow boat to have access through the speed restricted area when proceeding to and from the shore. Water skiers are unable to proceed at so slow a speed as 8 km an hour.

Do you know that water skiers and their tow boats may not leave or approach the shore except in a properly designated "access lane" or where a special area of water has been set apart in which speed restrictions don't apply?

It is difficult for a tow boat driver to watch a skier and the water ahead at the same time.

Do you know that boats towing water skiers must carry another person as well as the driver?

As with motor cars, drivers of speed boats should be a responsible age.

Do you know that in order to drive any power boat capable of 16 km an hour or more, the driver must be at least 15 years of age?

Accidents are not pleasant experiences. As there are "rules of the road", so there are "rules of the sea".

Do you know that when in shipping lanes or narrow marked channels, you must always keep to the starboard side of the channel?

Do you know that you must not impede the navigation of any vessel of 500 tonnes gross or more, or any hovercraft or any seaplane in the process of taking off or landing?

Do you know that you must not anchor in any ski or surfing access lane?

Lack of consideration for other people enjoying beaches, fishing and bathing by drivers of speed boats and water skiers is often the cause of complaints.

Do you know that supervising officers, honorary launch wardens and honorary beach rangers, appointed by the Regional Council can require you to stop your power boat, to supply your name and address, and to insist you obey the bylaws?

10 GOLDEN RULES FOR SAFE BOATING

1. Watch the weather. Listen to marine broadcasts. The weather over sea areas is often different from that over land. Keep an eye on the weather when you are at sea. Make for shelter at the first sign of bad weather.
2. Do not overload your boat with people or gear. Wear tested Life Jackets.
3. Equip your boat for its particular purpose. Know how to handle it and all the equipment in it.
4. Keep your engine in good working order at all times. Carry spare fuel
5. Know the Collision Regulations and local bylaws, and the Water Recreation Regulations.
6. Keep a good lookout at all times.
7. Know how to recognise all the distress signals and be sure that you know how to operate those you carry and keep them fresh.
8. Guard against fire. Know how to deal with one if it occurs.
9. Do not mix boating and drinking.
10. Before you leave on any trip tell a reliable person ashore where you intend to go and when you expect to return. Leave an accurate description of your boat and its equipment with this person. If you do not return on time they should inform the police at once and a search will be organised. If you decide to stay away longer than intended or you go to a different destination be sure that you let your contact know.

South Port NZ
promoting safe boating

COLLISION REGULATIONS

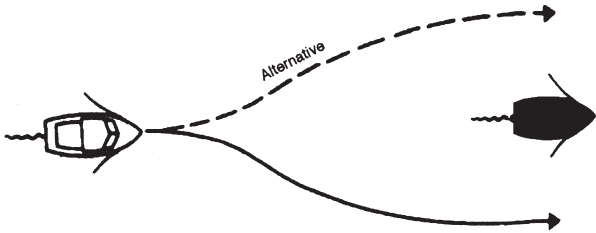
(See "Safety in Small Craft" for full rules)

Rule 9

When in narrow channels power-driven vessels keep to the starboard (right-hand) side, and if less than 20 m (65 ft) in length should not hamper larger vessels.

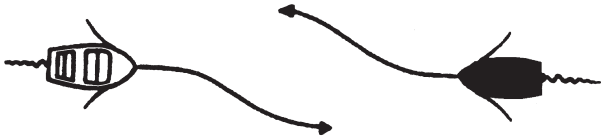
Rule 13

The overtaking vessel gives way. This applies to any overtaking vessel, which includes sailing vessels.



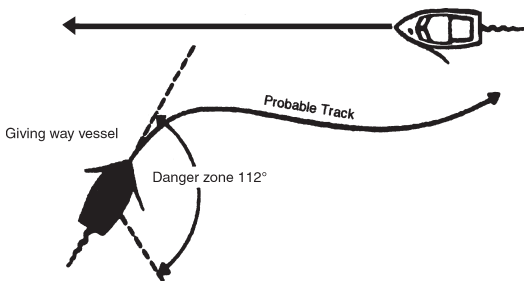
Rule 14

When two power-driven vessels are meeting end on, each shall alter course to starboard (right) so as to pass on the port side of the other.



Rule 15

When two power-driven vessels are crossing so as to involve risk of collision, the vessel which has the other on her starboard (right) side shall keep out of the way and avoid crossing ahead of the other.

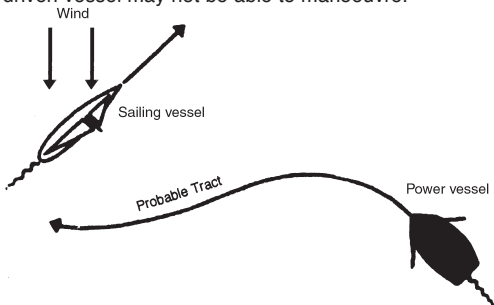


Rule 17

When another vessel gives way to you under the rules, you are obliged to maintain your course and speed.

Rule 18

When a power-driven vessel is in danger of collision with a sailing vessel, the power-driven vessel gives way, except in a narrow channel where a large power-driven vessel may not be able to manoeuvre.



Note: Full details and Amendments can be found in the regulations.

New Moon 17th
First Quarter 25th

JANUARY 2018

Full Moon 2nd
Last Quarter 9th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1 MON	02:00 08:15 14:30 20:45	2.90 0.60 2.90 0.40	10 WED	04:00 10:30 16:30 23:00	0.90 2.50 0.90 2.50	19 FRI	04:45 10:45 16:45 23:15	2.60 0.80 2.60 0.80	28 SUN	06:15 12:15 18:30	0.80 2.60 0.70
2 TUE	03:00 09:15 15:15 21:45	3.00 0.50 2.90 0.40	11 THU	05:00 11:15 17:30 23:45	1.00 2.50 0.90 2.50	20 SAT	05:15 11:30 17:30 23:45	2.60 0.80 2.60 0.80	29 MON	00:45 07:15 13:15 19:30	2.70 0.70 2.70 0.60
3 WED	03:45 10:00 16:15 22:30	3.00 0.50 3.00 0.40	12 FRI	06:00 12:15 18:30	1.00 2.50 0.90	21 SUN	06:00 12:00 18:15	2.60 0.90 2.60	30 TUE	01:45 08:00 14:15 20:30	2.80 0.60 2.90 0.50
4 THU	04:45 11:00 17:00 23:30	3.00 0.50 3.00 0.40	13 SAT	00:45 06:45 13:00 19:15	2.50 1.00 2.50 0.90	22 MON	00:30 06:30 12:45 19:00	0.80 2.60 0.90 2.60	31 WED	02:45 09:00 15:00 21:30	2.90 0.50 2.90 0.40
5 FRI	05:30 11:45 18:00	3.00 0.50 2.90	14 SUN	01:30 07:45 13:45 20:00	2.50 1.00 2.50 0.90	23 TUE	01:15 07:15 13:30 19:45	0.90 2.50 0.90 2.50			
6 SAT	00:15 06:30 12:45 19:00	0.50 2.90 0.60 2.80	15 MON	02:15 08:15 14:30 20:45	2.60 0.90 2.60 0.80	24 WED	02:00 08:15 14:30 20:30	0.90 2.50 0.90 2.50			
7 SUN	01:15 07:30 13:30 19:45	0.60 2.80 0.70 2.70	16 TUE	02:45 09:00 15:00 21:15	2.60 0.90 2.60 0.80	25 THU	03:00 09:00 15:30 21:45	0.90 2.50 0.90 2.50			
8 MON	02:15 08:30 14:30 21:00	0.70 2.70 0.80 2.60	17 WED	03:30 09:45 15:45 22:00	2.60 0.90 2.60 0.80	26 FRI	04:00 10:15 16:30 22:45	0.90 2.50 0.90 2.60			
9 TUE	03:00 09:30 15:30 22:00	0.80 2.60 0.90 2.60	18 THU	04:00 10:15 16:15 22:30	2.60 0.80 2.60 0.80	27 SAT	05:00 11:15 17:30 23:45	0.90 2.50 0.80 2.60			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 16th
First Quarter 23rd

FEBRUARY 2018

Full Moon 1st
Last Quarter 8th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1	03:30	3.00	10	05:30	1.10	19	05:30	2.70	28	01:30	2.80
THU	09:45	0.50	SAT	11:45	2.40	MON	11:45	0.80	WED	07:45	0.60
	16:00	3.00		18:00	1.00		17:45	2.70		14:00	2.80
	22:15	0.40								20:15	0.50
2	04:30	3.00	11	00:15	2.40	20	00:00	0.70			
FRI	10:45	0.50	SUN	06:15	1.10	TUE	06:15	2.70			
	16:45	3.00		12:30	2.40		12:30	0.80			
	23:00	0.40		18:45	1.00		18:30	2.60			
3	05:15	3.00	12	01:00	2.50	21	00:45	0.80			
SAT	11:30	0.50	MON	07:15	1.00	WED	07:00	2.60			
	17:45	2.90		13:15	2.50		13:15	0.80			
				19:30	0.90		19:15	2.60			
4	00:00	0.50	13	01:45	2.50	22	01:45	0.80			
SUN	06:00	2.90	TUE	08:00	1.00	THU	07:45	2.60			
	12:15	0.60		14:00	2.50		14:00	0.90			
	18:30	2.80		20:15	0.90		20:15	2.60			
5	00:45	0.60	14	02:15	2.60	23	02:30	0.90			
MON	07:00	2.80	WED	08:30	0.90	FRI	08:45	2.50			
	13:15	0.70		14:45	2.60		15:00	0.90			
	19:15	2.70		20:45	0.80		21:15	2.50			
6	01:30	0.70	15	03:00	2.60	24	03:30	0.90			
TUE	07:45	2.60	THU	09:15	0.80	SAT	09:45	2.50			
	14:00	0.80		15:15	2.60		16:15	0.90			
	20:15	2.60		21:30	0.80		22:30	2.60			
7	02:30	0.90	16	03:30	2.70	25	04:45	0.90			
WED	08:45	2.50	FRI	09:45	0.80	SUN	11:00	2.50			
	15:00	0.90		15:45	2.70		17:15	0.80			
	21:15	2.50		22:00	0.70		23:30	2.60			
8	03:30	1.00	17	04:15	2.70	26	05:45	0.90			
THU	09:45	2.40	SAT	10:30	0.80	MON	12:00	2.60			
	16:00	1.00		16:30	2.70		18:15	0.70			
	22:15	2.40		22:45	0.70						
9	04:30	1.10	18	04:45	2.70	27	00:30	2.70			
FRI	10:45	2.40	SUN	11:00	0.80	TUE	07:00	0.80			
	17:00	1.00		17:00	2.70		13:00	2.70			
	23:15	2.40		23:30	0.70		19:15	0.60			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 18th
First Quarter 25th

MARCH 2018

Full Moon 2nd
Last Quarter 10th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1	02:30	2.90	10	03:45	1.10	19	04:30	2.80	28	00:30	2.70
THU	08:45	0.50	SAT	10:00	2.30	MON	10:30	0.70	WED	06:45	0.80
	14:45	2.90		16:15	1.10		16:45	2.80		12:45	2.70
	21:00	0.40		22:30	2.30		23:00	0.60		19:00	0.60
2	03:15	2.90	11	04:45	1.20	20	05:00	2.80	29	01:15	2.80
FRI	09:30	0.50	SUN	11:00	2.30	TUE	11:15	0.70	THU	07:30	0.70
	15:45	3.00		17:15	1.10		17:30	2.80		13:45	2.80
	22:00	0.40		23:30	2.40		23:45	0.70		20:00	0.50
3	04:00	3.00	12	05:45	1.10	21	05:45	2.70	30	02:15	2.80
SAT	10:15	0.50	MON	12:00	2.40	WED	12:00	0.70	FRI	08:30	0.60
	16:30	3.00		18:15	1.00		18:15	2.70		14:30	2.90
	22:45	0.40								20:45	0.50
4	05:00	2.90	13	00:30	2.40	22	00:30	0.70	31	03:00	2.90
SUN	11:00	0.50	TUE	06:45	1.10	THU	06:30	2.70	SAT	09:15	0.50
	17:15	2.90		12:45	2.40		12:45	0.70		15:15	2.90
	23:30	0.50		19:00	1.00		19:00	2.70		21:30	0.50
5	05:45	2.80	14	01:15	2.50	23	01:15	0.80			
MON	11:45	0.60	WED	07:30	1.00	FRI	07:30	2.60			
	18:00	2.80		13:30	2.50		13:45	0.80			
				19:45	0.90		20:00	2.60			
6	00:15	0.60	15	01:45	2.60	24	02:15	0.90			
TUE	06:30	2.70	THU	08:00	0.90	SAT	08:30	2.50			
	12:45	0.70		14:00	2.60		14:45	0.80			
	18:45	2.70		20:15	0.80		21:00	2.60			
7	01:00	0.80	16	02:30	2.60	25	03:15	0.90			
WED	07:15	2.60	FRI	08:45	0.80	SUN	09:30	2.50			
	13:30	0.80		14:45	2.70		16:00	0.80			
	19:45	2.60		21:00	0.70		22:15	2.60			
8	02:00	0.90	17	03:00	2.70	26	04:30	0.90			
THU	08:00	2.50	SAT	09:15	0.70	MON	10:45	2.50			
	14:15	1.00		15:15	2.70		17:00	0.80			
	20:30	2.40		21:45	0.70		23:15	2.60			
9	02:45	1.10	18	03:45	2.70	27	05:30	0.90			
FRI	09:00	2.40	SUN	10:00	0.70	TUE	11:45	2.60			
	15:15	1.00		16:00	2.80		18:00	0.70			
	21:30	2.40		22:15	0.60						

Times and Heights of High and Low Waters
Heights in Metres

New Moon 16th
First Quarter 23rd

APRIL 2018

Full Moon 1st & 30th
Last Quarter 8th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1 SUN	02:45 09:00 15:00 21:15	2.90 0.50 2.90 0.50	10 TUE	04:00 10:15 16:30 22:45	1.20 2.30 1.10 2.40	19 THU	04:30 10:45 17:00 23:15	2.80 0.60 2.80 0.70	28 SAT	00:45 07:00 13:15 19:30	2.80 0.60 2.80 0.60
2 MON	03:30 09:45 15:45 22:00	2.80 0.60 2.80 0.60	11 WED	05:00 11:00 17:15 23:30	1.10 2.40 1.00 2.50	20 FRI	05:15 11:30 17:45	2.70 0.60 2.70	29 SUN	01:30 07:45 14:00 20:15	2.80 0.60 2.80 0.60
3 TUE	04:15 10:30 16:30 22:45	2.80 0.60 2.70 0.70	12 THU	05:45 11:45 18:00	1.00 2.50 0.90	21 SAT	00:00 06:15 12:30 18:45	0.80 2.60 0.70 2.70	30 MON	02:15 08:30 14:45 21:00	2.80 0.60 2.80 0.70
4 WED	04:45 11:00 17:15 23:30	2.70 0.70 2.60 0.90	13 FRI	00:15 06:30 12:30 18:45	2.60 0.90 2.60 0.80	22 SUN	01:00 07:15 13:30 20:00	0.80 2.60 0.80 2.60			
5 THU	05:30 11:45 18:00	2.60 0.90 2.50	14 SAT	01:00 07:00 13:15 19:30	2.60 0.80 2.70 0.70	23 MON	02:00 08:15 14:45 21:00	0.90 2.60 0.80 2.60			
6 FRI	00:15 06:30 12:45 19:00	1.00 2.40 1.00 2.40	15 SUN	01:30 07:45 13:45 20:15	2.70 0.70 2.80 0.60	24 TUE	03:15 09:30 15:45 22:00	0.90 2.60 0.80 2.60			
7 SAT	01:00 07:15 13:30 19:45	1.10 2.40 1.10 2.40	16 MON	02:15 08:30 14:30 20:45	2.80 0.60 2.80 0.60	25 WED	04:15 10:30 16:45 23:00	0.80 2.60 0.70 2.70			
8 SUN	02:00 08:15 14:30 20:45	1.20 2.30 1.10 2.30	17 TUE	03:00 09:15 15:15 21:30	2.80 0.60 2.80 0.60	26 THU	05:15 11:30 17:45	0.80 2.70 0.60			
9 MON	03:00 09:15 15:30 21:45	1.20 2.30 1.10 2.30	18 WED	03:45 10:00 16:00 22:30	2.80 0.60 2.80 0.60	27 FRI	00:00 06:15 12:30 18:45	2.70 0.70 2.80 0.60			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 15th
First Quarter 22nd

MAY 2018

Full Moon 30th
Last Quarter 8th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1	03:00	2.80	10	04:00	1.10	19	05:00	2.80	28	01:15	2.70
TUE	09:15	0.60	THU	10:15	2.40	SAT	11:15	0.60	MON	07:30	0.70
	15:30	2.70		16:30	1.00		17:30	2.80		13:30	2.70
	21:30	0.70		22:45	2.50		23:45	0.70		19:45	0.70
2	03:45	2.70	11	05:00	1.00	20	06:00	2.70	29	02:00	2.70
WED	10:00	0.70	FRI	11:00	2.50	SUN	12:15	0.60	TUE	08:15	0.70
	16:00	2.70		17:15	0.90		18:30	2.70		14:15	2.70
	22:15	0.80		23:30	2.50					20:30	0.80
3	04:15	2.60	12	05:45	0.90	21	00:45	0.80	30	02:30	2.70
THU	10:30	0.80	SAT	11:45	2.60	MON	07:00	2.70	WED	08:45	0.70
	16:45	2.60		18:15	0.80		13:15	0.70		15:00	2.70
	23:00	0.90					19:45	2.70		21:15	0.80
4	05:00	2.50	13	00:15	2.60	22	01:45	0.80	31	03:15	2.60
FRI	11:15	0.90	SUN	06:30	0.80	TUE	08:15	2.60	THU	09:30	0.80
	17:30	2.50		12:30	2.70		14:30	0.70		15:45	2.60
	23:45	1.00		19:00	0.70		20:45	2.60		21:45	0.90
5	05:45	2.40	14	01:00	2.70	23	03:00	0.80			
SAT	12:00	1.00	MON	07:15	0.70	WED	09:15	2.60			
	18:15	2.40		13:30	2.80		15:30	0.70			
				19:45	0.60		21:45	2.60			
6	00:30	1.10	15	01:45	2.80	24	04:00	0.80			
SUN	06:30	2.40	TUE	08:00	0.60	THU	10:15	2.60			
	13:00	1.00		14:15	2.80		16:30	0.70			
	19:00	2.40		20:30	0.60		22:45	2.70			
7	01:15	1.20	16	02:30	2.80	25	05:00	0.80			
MON	07:30	2.30	WED	08:45	0.50	FRI	11:15	2.70			
	13:45	1.10		15:00	2.90		17:30	0.70			
	20:00	2.30		21:15	0.60		23:45	2.70			
8	02:15	1.20	17	03:15	2.80	26	05:45	0.70			
TUE	08:30	2.30	THU	09:30	0.50	SAT	12:00	2.70			
	14:45	1.10		15:45	2.90		18:15	0.70			
	21:00	2.40		22:00	0.60						
9	03:15	1.20	18	04:15	2.80	27	00:30	2.70			
WED	09:30	2.30	FRI	10:30	0.50	SUN	06:45	0.70			
	15:30	1.10		16:45	2.90		12:45	2.70			
	22:00	2.40		23:00	0.60		19:00	0.70			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 14th
First Quarter 20th

JUNE 2018

Full Moon 28th
Last Quarter 7th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1	04:00	2.60	10	05:00	0.90	19	00:30	0.70	28	02:15	2.60
FRI	10:15	0.80	SUN	11:15	2.60	TUE	06:45	2.70	THU	08:30	0.80
	16:15	2.60		17:30	0.80		13:00	0.60		14:30	2.60
	22:30	0.90		23:45	2.60		19:15	2.70		20:45	0.90
2	04:30	2.50	11	06:00	0.80	20	01:30	0.80	29	02:45	2.60
SAT	10:45	0.90	MON	12:00	2.70	WED	07:45	2.70	FRI	09:00	0.80
	17:00	2.50		18:30	0.70		14:00	0.70		15:15	2.60
	23:15	1.00					20:30	2.70		21:30	0.90
3	05:15	2.50	12	00:30	2.70	21	02:30	0.80	30	03:30	2.60
SUN	11:30	0.90	TUE	06:45	0.70	THU	08:45	2.60	SAT	09:45	0.80
	17:45	2.50		13:00	2.80		15:00	0.80		16:00	2.60
				19:15	0.70		21:30	2.60		22:00	0.90
4	00:00	1.00	13	01:30	2.80	22	03:30	0.80			
MON	06:00	2.40	WED	07:45	0.60	FRI	10:00	2.60			
	12:15	1.00		13:45	2.90		16:00	0.80			
	18:30	2.40		20:00	0.60		22:30	2.60			
5	00:45	1.10	14	02:15	2.90	23	04:30	0.80			
TUE	06:45	2.40	THU	08:30	0.50	SAT	10:45	2.60			
	13:00	1.00		14:45	2.90		17:00	0.80			
	19:15	2.40		21:00	0.50		23:15	2.60			
6	01:30	1.10	15	03:00	2.90	24	05:30	0.80			
WED	07:30	2.30	FRI	09:15	0.40	SUN	11:45	2.60			
	14:00	1.00		15:30	2.90		18:00	0.80			
	20:15	2.40		21:45	0.50						
7	02:15	1.10	16	04:00	2.90	25	00:00	2.60			
THU	08:30	2.40	SAT	10:15	0.40	MON	06:15	0.80			
	14:45	1.00		16:30	2.90		12:30	2.60			
	21:00	2.40		22:45	0.60		18:45	0.80			
8	03:15	1.10	17	04:45	2.90	26	00:45	2.60			
FRI	09:30	2.40	SUN	11:15	0.50	TUE	07:00	0.80			
	15:45	1.00		17:30	2.90		13:15	2.60			
	22:00	2.40		23:30	0.60		19:30	0.90			
9	04:15	1.00	18	05:45	2.80	27	01:30	2.60			
SAT	10:15	2.50	MON	12:00	0.50	WED	07:45	0.80			
	16:45	0.90		18:15	2.80		14:00	2.60			
	22:45	2.50					20:15	0.90			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 13th
First Quarter 20th

JULY 2018

Full Moon 28th
Last Quarter 6th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1 SUN	04:00 10:30 16:30 22:45	2.60 0.80 2.60 0.90	10 TUE	05:30 11:45 18:00	0.80 2.70 0.80	19 THU	01:00 07:30 13:30 20:00	0.70 2.70 0.70 2.60	28 SAT	02:30 08:45 14:45 21:00	2.60 0.80 2.60 0.90
2 MON	04:45 11:00 17:15 23:15	2.50 0.90 2.50 1.00	11 WED	00:15 06:30 12:30 19:00	2.70 0.70 2.80 0.70	20 FRI	02:00 08:30 14:30 21:00	0.80 2.60 0.80 2.60	29 SUN	03:00 09:15 15:30 21:30	2.60 0.80 2.60 0.90
3 TUE	05:30 11:45 17:45	2.50 0.90 2.50	12 THU	01:00 07:15 13:30 19:45	2.80 0.50 2.90 0.60	21 SAT	03:00 09:30 15:30 22:00	0.90 2.60 0.90 2.50	30 MON	03:45 10:00 16:00 22:15	2.60 0.80 2.60 0.90
4 WED	00:00 06:00 12:30 18:30	1.00 2.40 1.00 2.50	13 FRI	02:00 08:15 14:30 20:45	2.90 0.40 2.90 0.50	22 SUN	04:00 10:30 16:30 22:45	0.90 2.50 0.90 2.50	31 TUE	04:15 10:30 16:45 22:45	2.60 0.80 2.60 0.90
5 THU	00:45 07:00 13:15 19:30	1.00 2.40 1.00 2.40	14 SAT	02:45 09:00 15:15 21:30	3.00 0.40 3.00 0.50	23 MON	05:00 11:15 17:30 23:45	0.90 2.50 1.00 2.50			
6 FRI	01:30 07:45 14:00 20:15	1.10 2.40 1.00 2.40	15 SUN	03:45 10:00 16:15 22:30	3.00 0.40 3.00 0.50	24 TUE	06:00 12:00 18:15	0.90 2.50 0.90			
7 SAT	02:30 08:45 15:00 21:15	1.00 2.40 1.00 2.40	16 MON	04:30 10:45 17:00 23:15	2.90 0.40 2.90 0.60	25 WED	00:30 06:45 12:45 19:00	2.50 0.90 2.50 0.90			
8 SUN	03:30 09:45 16:00 22:15	1.00 2.50 0.90 2.50	17 TUE	05:30 11:45 18:00	2.90 0.50 2.80	26 THU	01:15 07:30 13:30 19:45	2.60 0.80 2.60 0.90			
9 MON	04:30 10:45 17:00 23:15	0.90 2.60 0.90 2.60	18 WED	00:15 06:30 12:45 19:00	0.60 2.80 0.60 2.70	27 FRI	01:45 08:00 14:15 20:30	2.60 0.80 2.60 0.90			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 11th
First Quarter 18th

AUGUST 2018

Full Moon 26th
Last Quarter 5th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1	05:00	2.60	10	00:45	2.80	19	02:30	1.00	28	03:15	2.70
WED	11:15	0.80	FRI	07:00	0.50	SUN	09:00	2.50	TUE	09:30	0.70
	17:15	2.60		13:15	2.90		15:00	1.00		15:30	2.70
	23:30	0.90		19:30	0.60		21:30	2.40		21:45	0.80
2	05:30	2.50	11	01:30	2.90	20	03:30	1.00	29	03:45	2.70
THU	12:00	0.90	SAT	08:00	0.40	MON	10:00	2.40	WED	10:00	0.70
	18:00	2.50		14:15	3.00		16:00	1.10		16:15	2.70
				20:15	0.50		22:30	2.40		22:15	0.80
3	00:15	1.00	12	02:30	3.00	21	04:30	1.00	30	04:30	2.60
FRI	06:15	2.50	SUN	08:45	0.30	TUE	10:45	2.40	THU	10:45	0.80
	12:45	0.90		15:00	3.00		17:00	1.10		16:45	2.60
	18:45	2.50		21:15	0.40		23:15	2.40		23:00	0.80
4	01:00	1.00	13	03:15	3.00	22	05:30	1.00	31	05:00	2.60
SAT	07:15	2.50	MON	09:45	0.30	WED	11:45	2.50	FRI	11:30	0.80
	13:30	1.00		15:45	3.00		18:00	1.00		17:30	2.60
	19:45	2.40		22:00	0.50					23:45	0.90
5	02:00	1.00	14	04:15	3.00	23	00:00	2.50			
SUN	08:15	2.50	TUE	10:30	0.40	THU	06:15	0.90			
	14:30	1.00		16:45	2.90		12:30	2.50			
	20:45	2.40		22:45	0.50		18:45	1.00			
6	03:00	1.00	15	05:00	2.90	24	00:45	2.50			
MON	09:15	2.50	WED	11:15	0.50	FRI	07:00	0.90			
	15:30	1.00		17:30	2.80		13:15	2.60			
	21:45	2.50		23:45	0.60		19:15	0.90			
7	04:00	0.90	16	06:00	2.80	25	01:30	2.60			
TUE	10:15	2.60	THU	12:15	0.60	SAT	07:45	0.80			
	16:30	0.90		18:30	2.70		13:45	2.60			
	22:45	2.60					20:00	0.90			
8	05:00	0.80	17	00:30	0.70	26	02:00	2.60			
WED	11:15	2.70	FRI	06:45	2.70	SUN	08:15	0.80			
	17:45	0.80		13:00	0.80		14:30	2.60			
	23:45	2.70		19:15	2.60		20:30	0.80			
9	06:00	0.60	18	01:30	0.90	27	02:30	2.70			
THU	12:15	2.80	SAT	07:45	2.60	MON	08:45	0.70			
	18:30	0.70		14:00	0.90		15:00	2.70			
				20:15	2.50		21:15	0.80			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 10th
First Quarter 17th

SEPTEMBER 2018

Full Moon 25th
Last Quarter 3rd

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1	05:45	2.60	10	02:15	3.00	19	04:00	1.10	28	04:00	2.70
SAT	12:15	0.90	MON	08:30	0.40	WED	10:15	2.40	FRI	10:15	0.70
	18:15	2.50		14:45	3.00		16:30	1.10		16:30	2.70
				20:45	0.40		22:45	2.40		22:45	0.70
2	00:30	0.90	11	03:00	3.00	20	05:00	1.00	29	04:45	2.70
SUN	06:45	2.50	TUE	09:15	0.40	THU	11:15	2.40	SAT	11:00	0.80
	13:00	0.90		15:30	3.00		17:30	1.10		17:00	2.60
	19:15	2.50		21:45	0.40		23:30	2.40		23:30	0.80
3	01:30	0.90	12	03:45	3.00	21	05:45	1.00	30	06:30	2.60
MON	07:45	2.50	WED	10:00	0.40	FRI	12:00	2.50	SUN	12:45	0.80
	14:00	1.00		16:15	2.90		18:15	1.00		19:00	2.60
	20:15	2.40		22:30	0.50						
4	02:30	0.90	13	04:30	2.90	22	00:15	2.50			
TUE	08:45	2.50	THU	11:00	0.50	SAT	06:30	0.90			
	15:15	1.00		17:00	2.80		12:45	2.50			
	21:30	2.50		23:15	0.60		18:45	0.90			
5	03:45	0.90	14	05:30	2.80	23	01:00	2.60			
WED	10:00	2.60	FRI	11:45	0.70	SUN	07:15	0.80			
	16:15	0.90		17:45	2.70		13:15	2.60			
	22:30	2.60					19:30	0.80			
6	04:45	0.80	15	00:00	0.80	24	01:30	2.70			
THU	11:00	2.60	SAT	06:15	2.60	MON	07:45	0.80			
	17:15	0.80		12:30	0.90		14:00	2.70			
	23:30	2.70		18:45	2.50		20:00	0.80			
7	05:45	0.60	16	01:00	0.90	25	02:00	2.70			
FRI	12:00	2.80	SUN	07:15	2.50	TUE	08:30	0.70			
	18:15	0.70		13:30	1.00		14:30	2.70			
				19:45	2.40		20:45	0.70			
8	00:30	2.80	17	02:00	1.00	26	02:45	2.70			
SAT	06:45	0.50	MON	08:15	2.40	WED	09:00	0.70			
	13:00	2.90		14:30	1.10		15:00	2.70			
	19:15	0.60		20:45	2.40		21:15	0.70			
9	01:15	2.90	18	03:00	1.10	27	03:15	2.70			
SUN	07:45	0.40	TUE	09:15	2.40	THU	09:45	0.70			
	13:45	2.90		15:30	1.10		15:45	2.70			
	20:00	0.50		21:45	2.30		22:00	0.70			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 9th
First Quarter 17th

OCTOBER 2018

Full Moon 25th
Last Quarter 2nd

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1 MON	01:15 07:30 13:45 20:00	0.80 2.60 0.90 2.50	10 WED	03:45 10:00 16:00 22:15	3.00 0.50 2.90 0.50	19 FRI	05:15 11:30 17:45	1.10 2.40 1.10	28 SUN	05:30 11:45 17:45	2.80 0.70 2.70
2 TUE	02:15 08:30 14:45 21:00	0.90 2.50 1.00 2.50	11 THU	04:30 10:45 16:45 23:00	2.90 0.50 2.80 0.60	20 SAT	00:00 06:15 12:15 18:30	2.40 1.00 2.40 1.00	29 MON	00:00 06:15 12:30 18:45	0.70 2.70 0.80 2.60
3 WED	03:15 09:30 16:00 22:15	0.90 2.50 1.00 2.50	12 FRI	05:15 11:30 17:30 23:45	2.80 0.60 2.70 0.70	21 SUN	00:45 07:00 13:00 19:15	2.50 0.90 2.50 0.90	30 TUE	01:00 07:15 13:30 19:45	0.70 2.70 0.80 2.60
4 THU	04:30 10:45 17:00 23:15	0.90 2.60 0.90 2.60	13 SAT	06:00 12:15 18:15	2.70 0.80 2.60	22 MON	01:15 07:30 13:45 20:00	2.60 0.90 2.60 0.80	31 WED	02:00 08:15 14:30 20:45	0.80 2.60 0.90 2.50
5 FRI	05:30 11:45 18:00	0.80 2.70 0.80	14 SUN	00:30 06:45 13:00 19:00	0.80 2.60 0.90 2.50	23 TUE	02:00 08:15 14:15 20:30	2.60 0.80 2.70 0.80			
6 SAT	00:15 06:30 12:45 19:00	2.70 0.60 2.80 0.70	15 MON	01:30 07:45 13:45 20:00	0.90 2.50 1.00 2.40	24 WED	02:30 08:45 15:00 21:15	2.70 0.70 2.70 0.70			
7 SUN	01:15 07:30 13:45 20:00	2.80 0.50 2.80 0.60	16 TUE	02:15 08:30 14:45 21:00	1.00 2.40 1.10 2.30	25 THU	03:15 09:30 15:45 21:45	2.80 0.70 2.70 0.60			
8 MON	02:00 08:15 14:30 20:45	2.90 0.50 2.90 0.50	17 WED	03:15 09:30 15:45 22:00	1.10 2.30 1.20 2.30	26 FRI	04:00 10:15 16:15 22:30	2.80 0.60 2.70 0.60			
9 TUE	02:45 09:15 15:15 21:30	3.00 0.40 2.90 0.50	18 THU	04:15 10:30 16:45 23:00	1.10 2.30 1.20 2.30	27 SAT	04:45 11:00 17:00 23:15	2.80 0.70 2.70 0.60			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 8th
First Quarter 16th

NOVEMBER 2018

Full Moon 23rd
Last Quarter 1st & 30th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1	03:00	0.80	10	04:45	2.70	19	00:00	2.40	28	00:45	0.60
THU	09:30	2.60	SAT	11:00	0.70	MON	06:15	1.00	WED	07:00	2.70
	15:45	0.90		17:00	2.70		12:15	2.50		13:15	0.80
	22:00	2.60		23:15	0.70		18:30	1.00		19:30	2.70
2	04:15	0.80	11	05:30	2.70	20	00:45	2.50	29	01:45	0.70
FRI	10:30	2.60	SUN	11:45	0.80	TUE	07:00	0.90	THU	08:00	2.70
	16:45	0.90		17:45	2.60		13:00	2.60		14:15	0.80
	23:00	2.60					19:15	0.90		20:30	2.60
3	05:15	0.70	12	00:00	0.80	21	01:30	2.60	30	02:45	0.70
SAT	11:30	2.70	MON	06:15	2.60	WED	07:45	0.80	FRI	09:00	2.60
	17:45	0.80		12:30	0.90		13:45	2.60		15:15	0.80
				18:30	2.50		20:00	0.80		21:30	2.60
4	00:00	2.70	13	00:45	0.90	22	02:00	2.70			
SUN	06:15	0.70	TUE	07:00	2.50	THU	08:15	0.70			
	12:30	2.70		13:15	1.00		14:30	2.70			
	18:45	0.70		19:15	2.40		20:45	0.70			
5	01:00	2.80	14	01:45	1.00	23	02:45	2.80			
MON	07:15	0.60	WED	07:45	2.40	FRI	09:00	0.70			
	13:30	2.80		14:00	1.10		15:15	2.80			
	19:30	0.60		20:15	2.30		21:30	0.60			
6	01:45	2.90	15	02:30	1.10	24	03:30	2.80			
TUE	08:00	0.60	THU	08:45	2.30	SAT	10:00	0.60			
	14:15	2.80		15:00	1.20		16:00	2.80			
	20:30	0.60		21:15	2.30		22:15	0.60			
7	02:30	2.90	16	03:30	1.10	25	04:30	2.90			
WED	08:45	0.60	FRI	09:45	2.30	SUN	10:45	0.60			
	15:00	2.80		16:00	1.20		16:45	2.80			
	21:15	0.50		22:15	2.30		23:00	0.60			
8	03:15	2.90	17	04:30	1.10	26	05:15	2.80			
THU	09:30	0.60	SAT	10:45	2.40	MON	11:30	0.60			
	15:45	2.80		17:00	1.10		17:30	2.80			
	22:00	0.60		23:00	2.40						
9	04:00	2.80	18	05:15	1.10	27	00:00	0.60			
FRI	10:15	0.60	SUN	11:30	2.40	TUE	06:00	2.80			
	16:30	2.70		17:45	1.10		12:15	0.70			
	22:30	0.60					18:30	2.70			

Times and Heights of High and Low Waters
Heights in Metres

New Moon 7th
First Quarter 16th

DECEMBER 2018

Full Moon 23rd
Last Quarter 29th

<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>	<i>Date</i>	<i>Time</i>	<i>Ht</i>
1	04:00	0.80	10	05:00	2.60	19	00:00	2.50	28	01:30	0.60
SAT	10:15	2.60	MON	11:15	0.90	WED	06:15	1.00	FRI	07:45	2.80
	16:30	0.80		17:15	2.60		12:30	2.50		14:00	0.70
	22:45	2.60		23:45	0.80		18:45	0.90		20:15	2.70
2	05:00	0.80	11	05:45	2.60	20	00:45	2.60	29	02:30	0.70
SUN	11:15	2.60	TUE	12:00	0.90	THU	07:00	0.90	SAT	08:45	2.70
	17:30	0.80		18:00	2.50		13:15	2.60		15:00	0.80
	23:45	2.70					19:30	0.80		21:15	2.70
3	06:00	0.70	12	00:15	0.90	21	01:45	2.70	30	03:30	0.70
MON	12:15	2.70	WED	06:30	2.50	FRI	08:00	0.80	SUN	09:45	2.60
	18:30	0.70		12:45	1.00		14:00	2.70		16:00	0.80
				18:45	2.40		20:15	0.60		22:15	2.60
4	00:30	2.70	13	01:00	1.00	22	02:30	2.80	31	04:30	0.80
TUE	06:45	0.70	THU	07:15	2.40	SAT	08:45	0.70	MON	10:45	2.60
	13:00	2.70		13:30	1.10		14:45	2.80		17:00	0.80
	19:15	0.70		19:30	2.40		21:00	0.60		23:15	2.60
5	01:30	2.80	14	01:45	1.00	23	03:15	2.90			
WED	07:45	0.70	FRI	08:00	2.40	SUN	09:30	0.60			
	13:45	2.70		14:15	1.10		15:45	2.80			
	20:00	0.70		20:15	2.40		22:00	0.50			
6	02:15	2.80	15	02:30	1.10	24	04:15	2.90			
THU	08:30	0.70	SAT	08:45	2.40	MON	10:30	0.60			
	14:30	2.70		15:00	1.10		16:30	2.90			
	20:45	0.60		21:15	2.30		22:45	0.40			
7	03:00	2.70	16	03:30	1.10	25	05:00	2.90			
FRI	09:15	0.70	SUN	09:45	2.40	TUE	11:15	0.60			
	15:15	2.70		16:00	1.10		17:15	2.90			
	21:30	0.70		22:15	2.40		23:45	0.50			
8	03:45	2.70	17	04:30	1.10	26	06:00	2.90			
SAT	10:00	0.80	MON	10:30	2.40	WED	12:00	0.60			
	16:00	2.70		16:45	1.10		18:15	2.80			
	22:15	0.70		23:00	2.40						
9	04:30	2.70	18	05:15	1.00	27	00:30	0.50			
SUN	10:45	0.80	TUE	11:30	2.40	THU	06:45	2.80			
	16:45	2.60		17:45	1.00		13:00	0.60			
	23:00	0.80					19:15	2.80			

Times and Heights of High and Low Waters
Heights in Metres

To the High Water times at Bluff apply the following for approximate times high water at:

Nugget Point	+ 30 mins
Waikawa	+ 7 mins
Waipapa Point	- 13 mins
Oreti	- 52 mins
Riverton	- 1 hr 7 mins
Colac Bay	- 1 hr 14 mins
Preservation Inlet	- 2 hrs mins
Paterson Inlet	- 38 mins
Halfmoon Bay	+ 15 mins