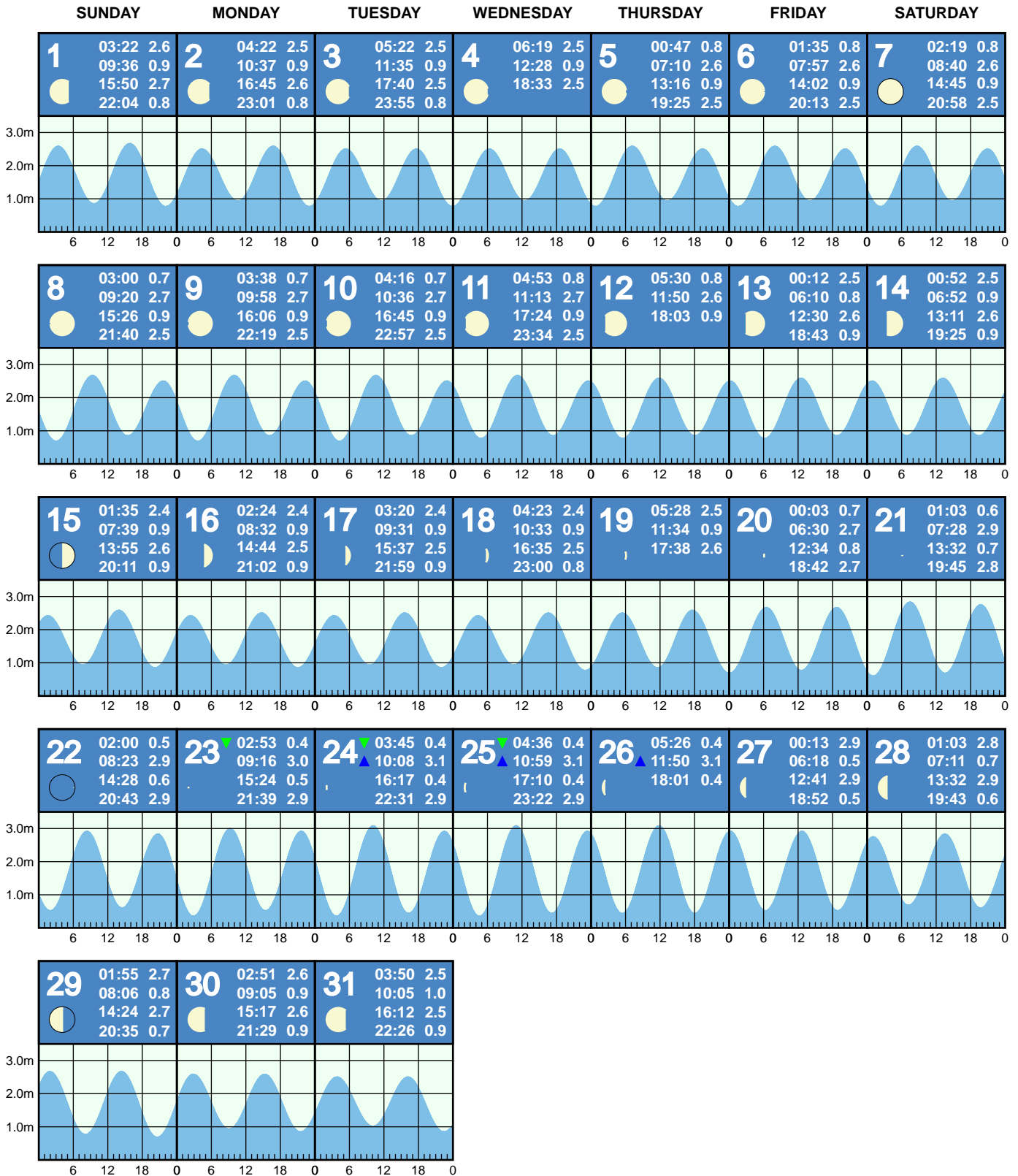


TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

JANUARY 2023



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

NOTE: These tide predictions are not official tide tables as specified in Maritime Rules Part 25 Nautical Charts and Publications (pursuant to Section 36 of the Maritime Transport Act 1994).

All times are adjusted for daylight savings time.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

FEBRUARY 2023

SUNDAY

MONDAY

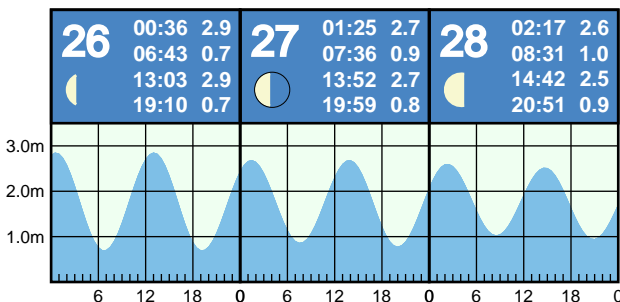
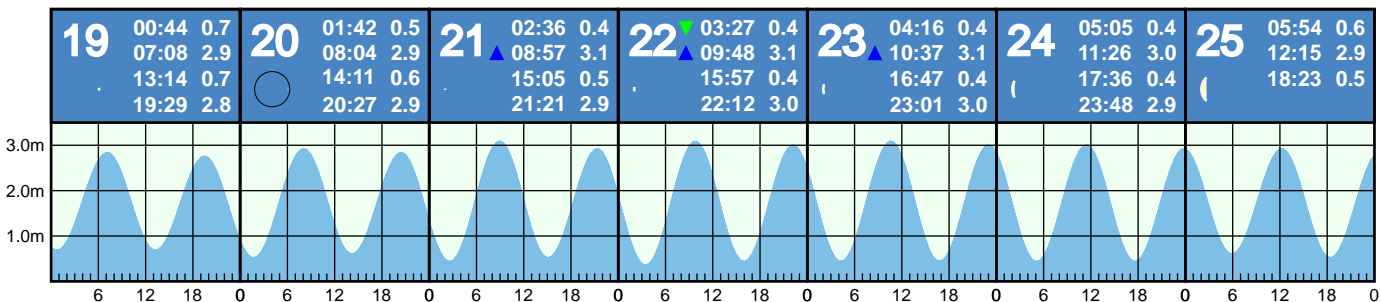
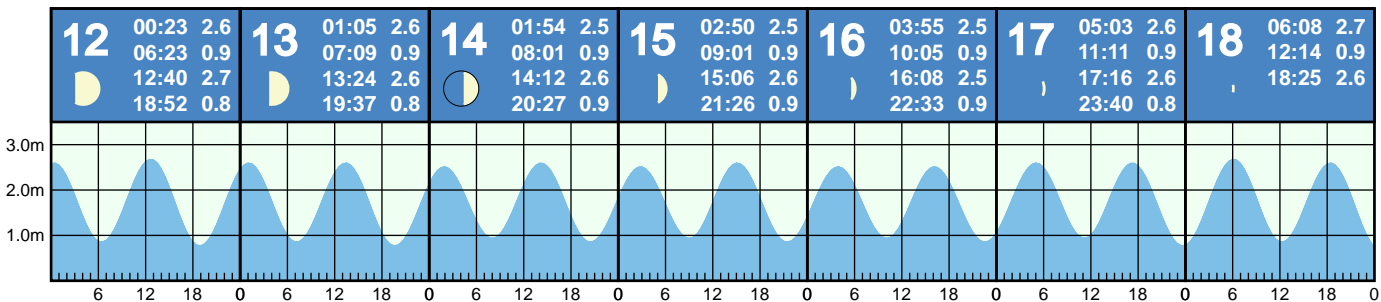
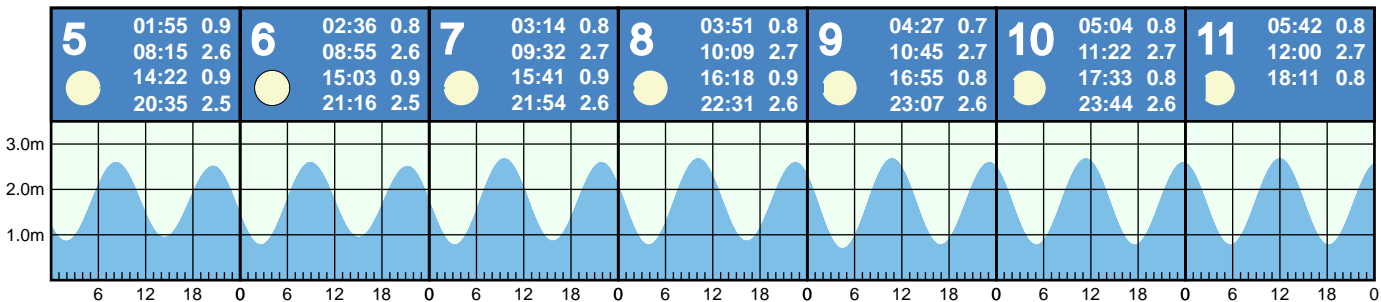
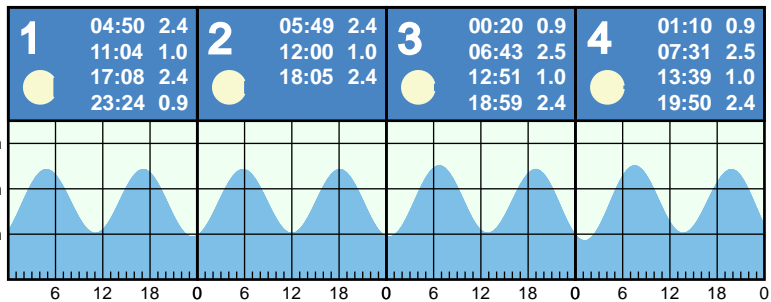
TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY



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This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

MARCH 2023

SUNDAY

MONDAY

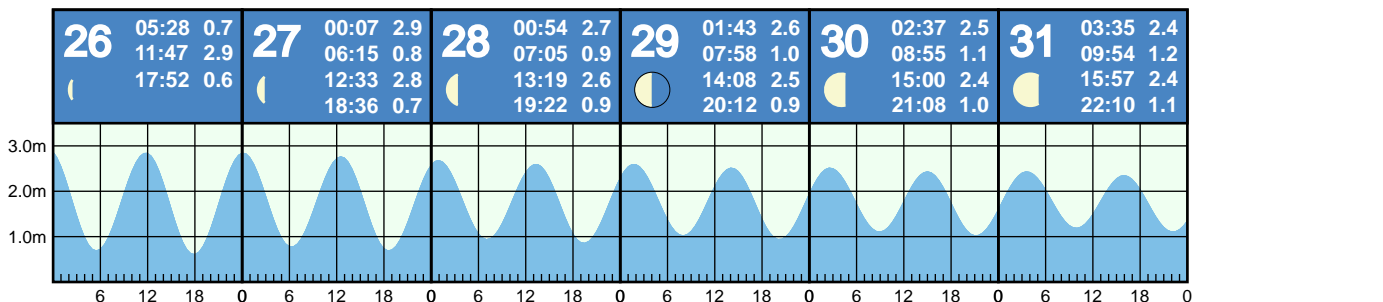
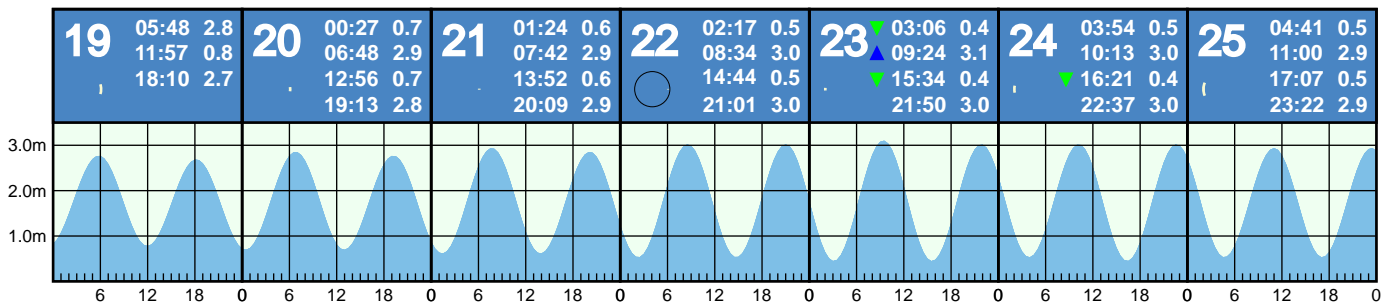
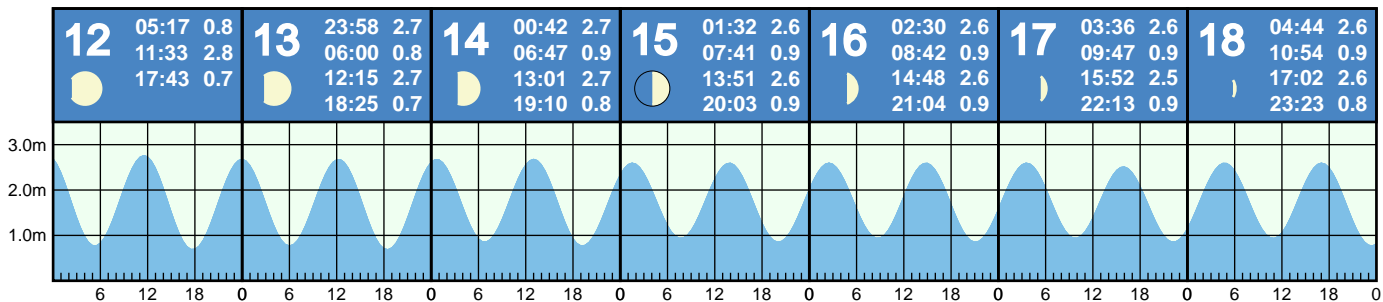
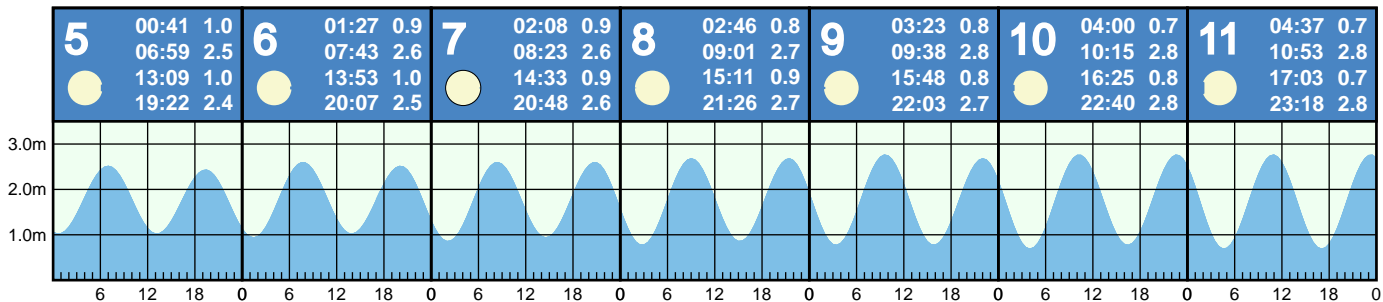
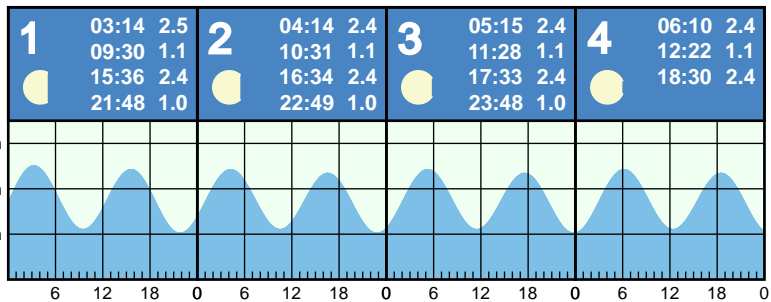
TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

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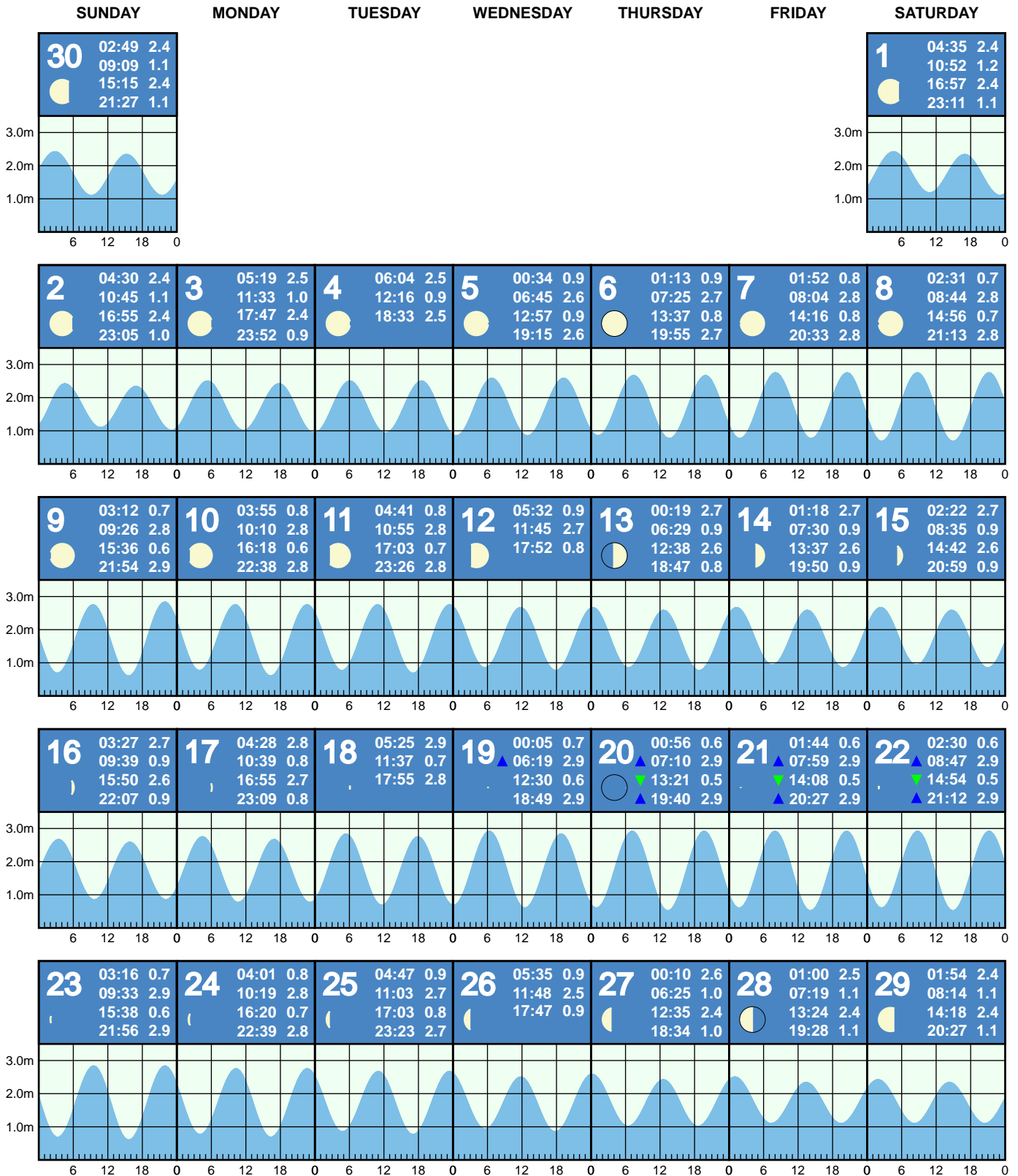
All times are adjusted for daylight savings time.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

APRIL 2023



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

NOTE: These tide predictions are not official tide tables as specified in Maritime Rules Part 25 Nautical Charts and Publications (pursuant to Section 36 of the Maritime Transport Act 1994).

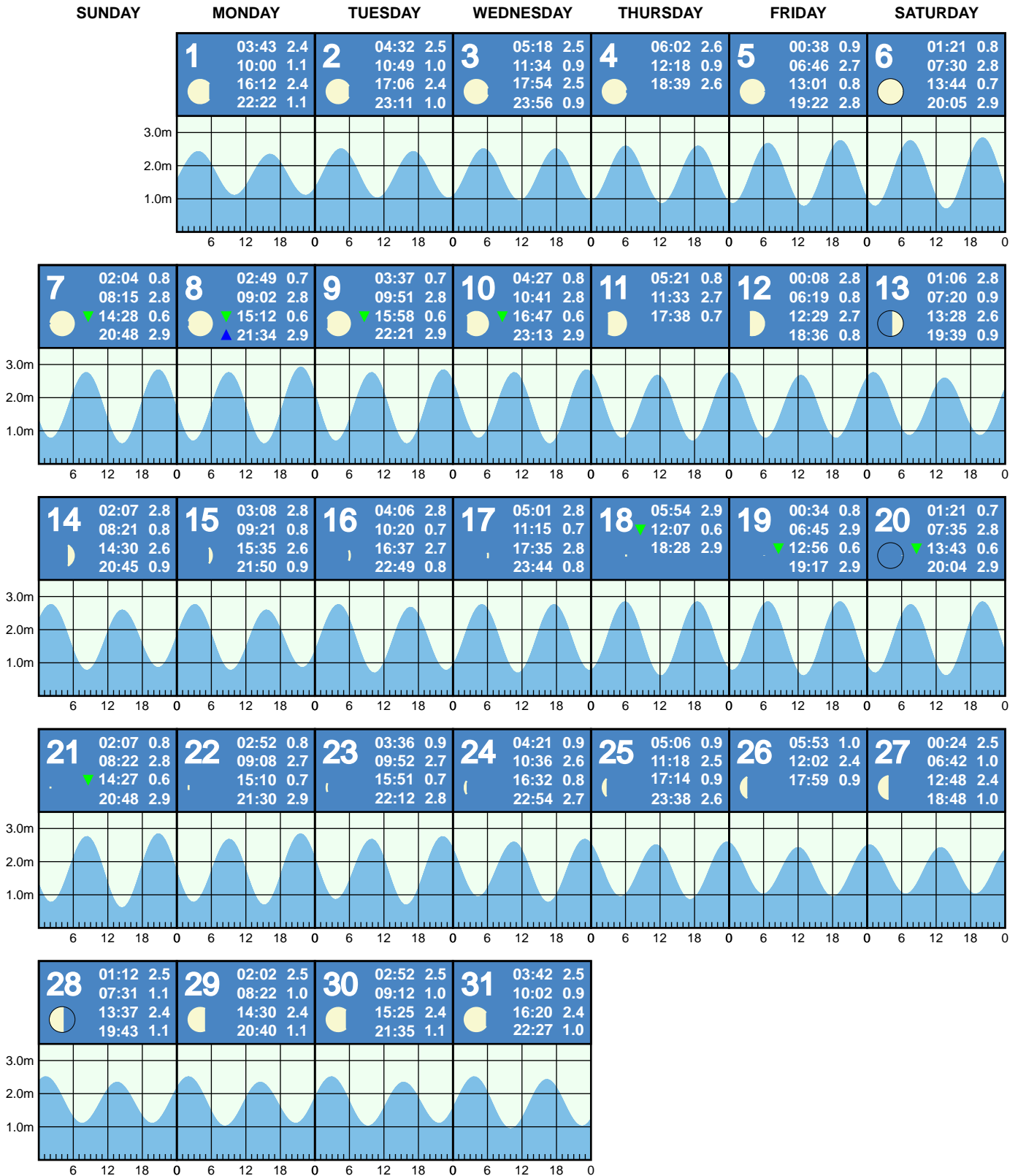
All times are adjusted for daylight savings time.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

MAY 2023



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

JUNE 2023

SUNDAY

MONDAY

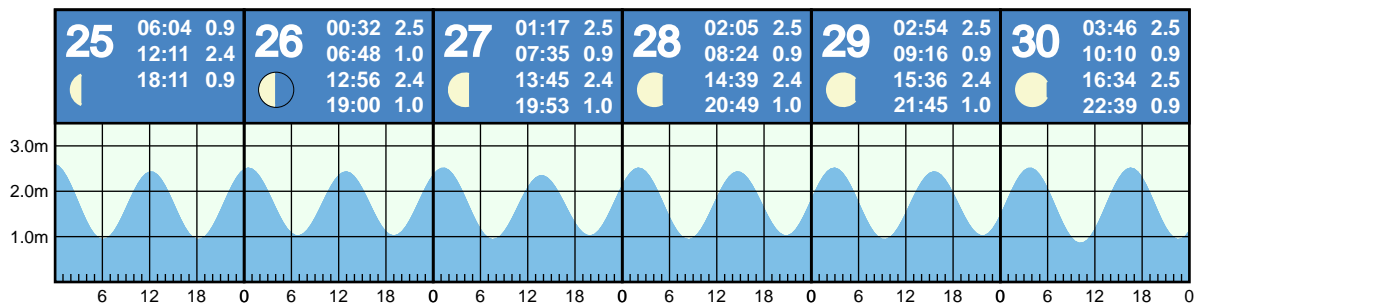
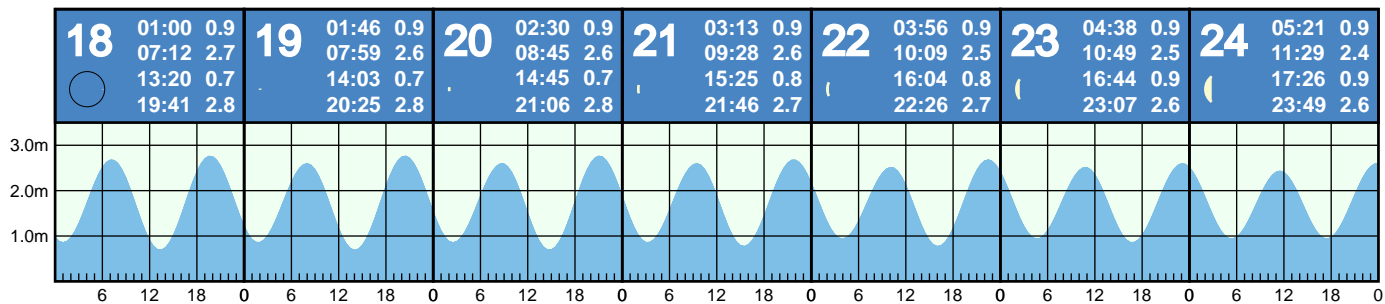
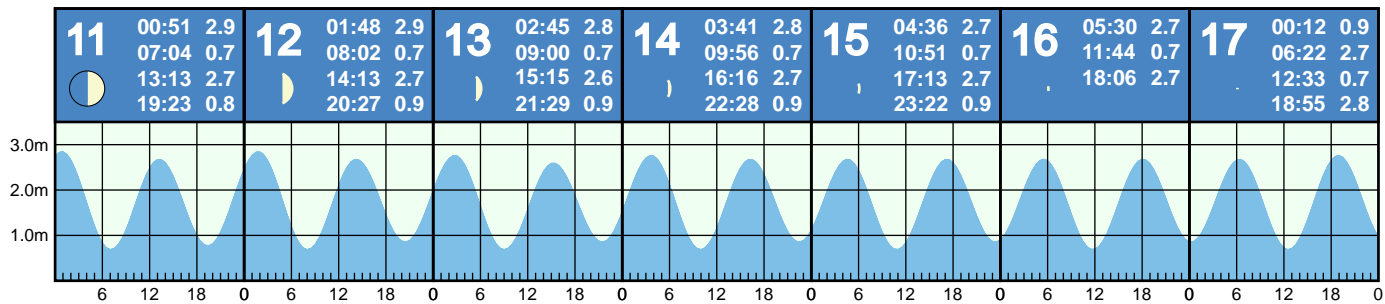
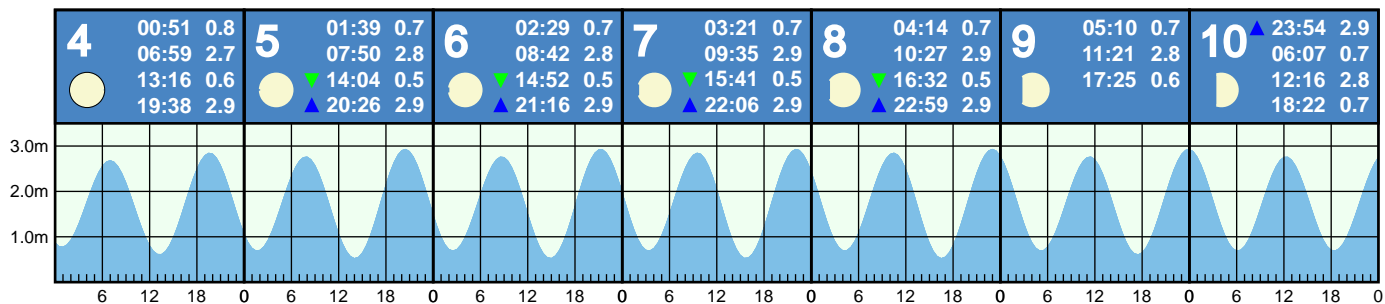
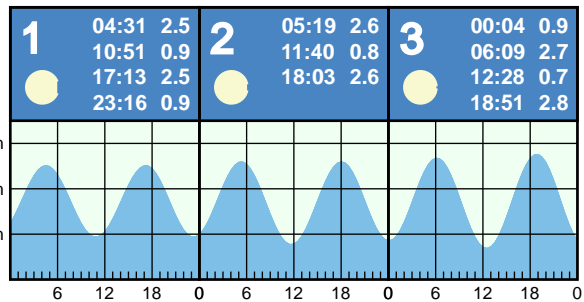
TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

NOTE: These tide predictions are not official tide tables as specified in Maritime Rules Part 25 Nautical Charts and Publications (pursuant to Section 36 of the Maritime Transport Act 1994).

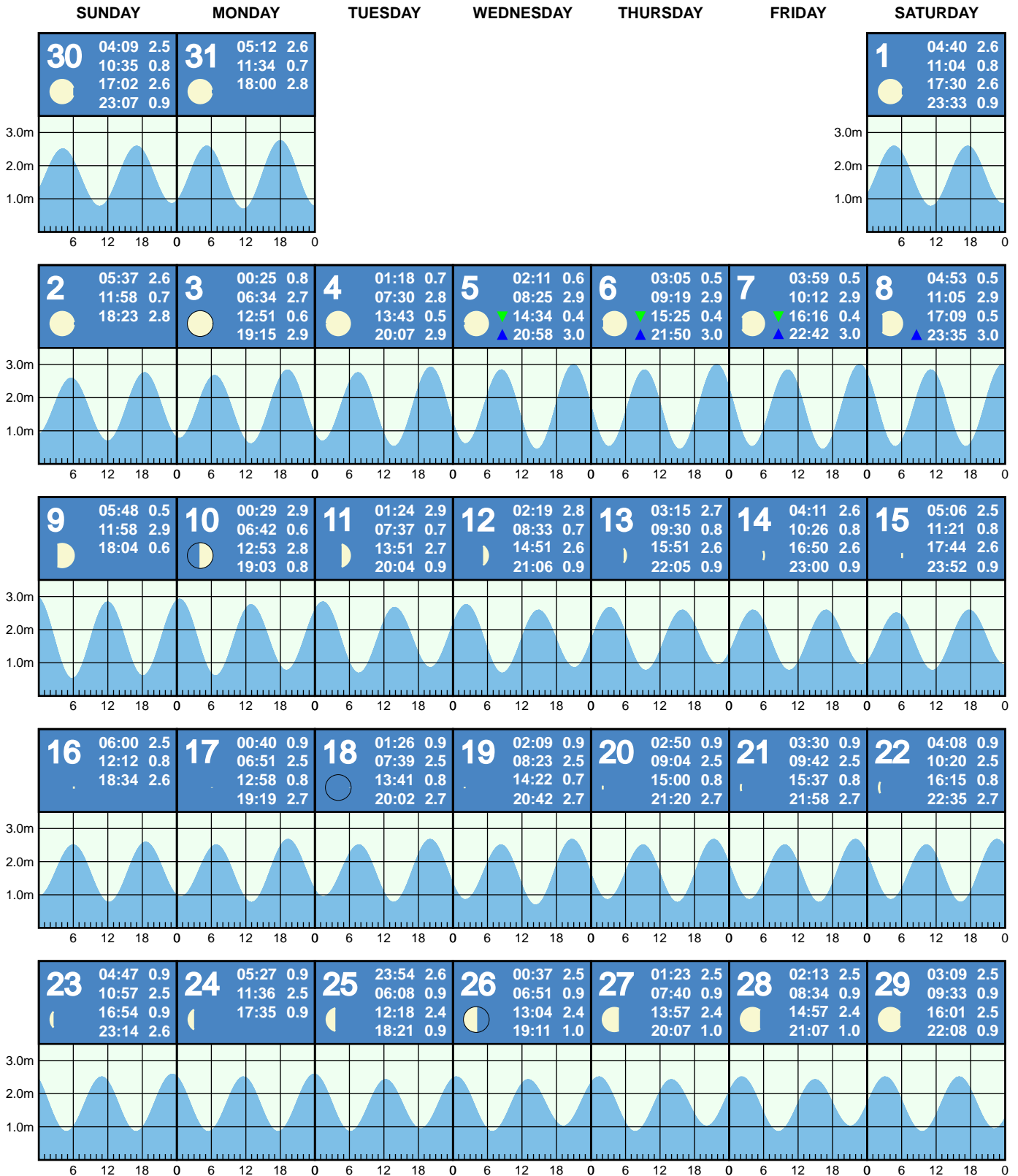
All times are adjusted for daylight savings time.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

JULY 2023



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

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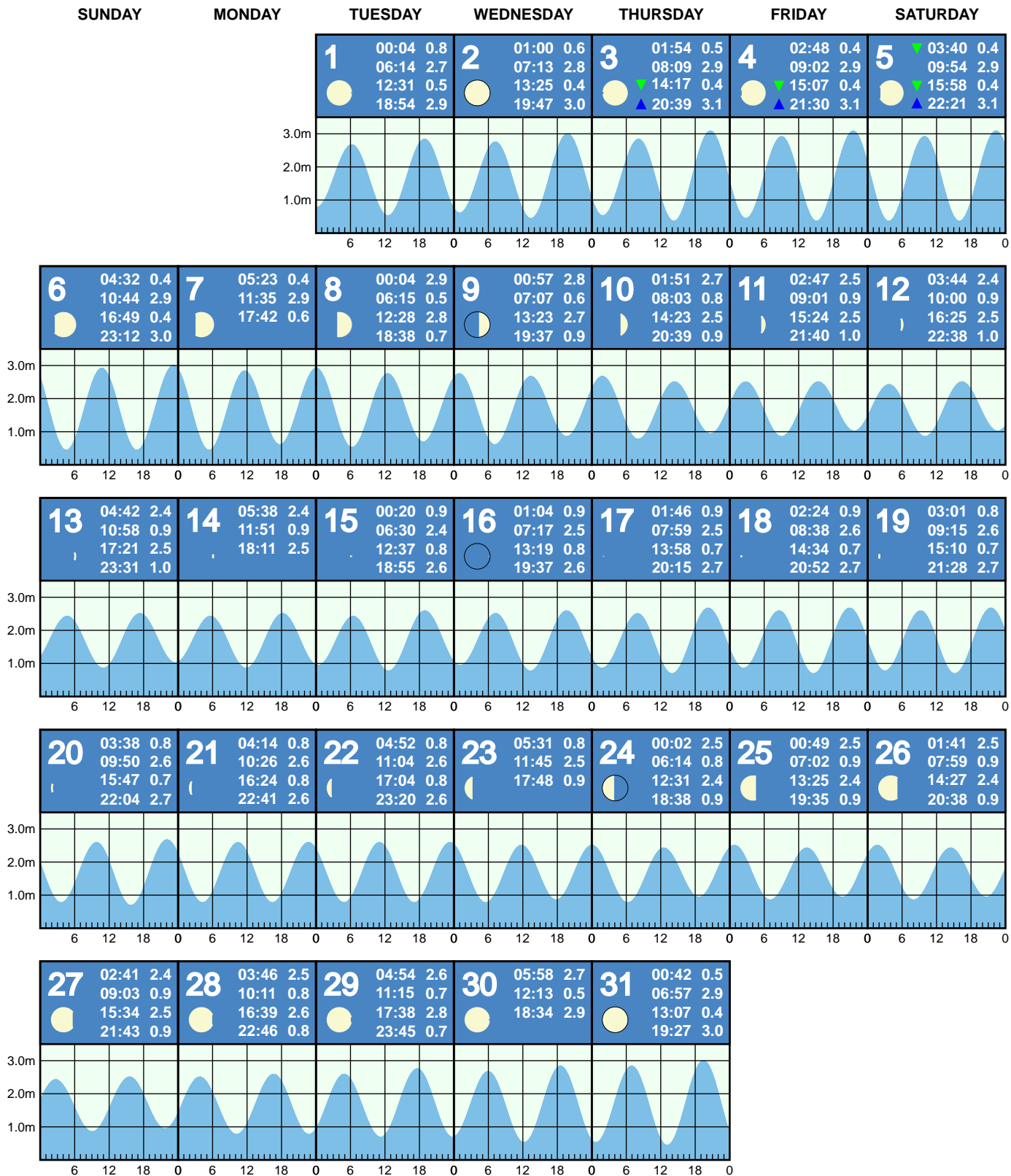
All times are adjusted for daylight savings time.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

AUGUST 2023



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

SEPTEMBER 2023

SUNDAY

MONDAY

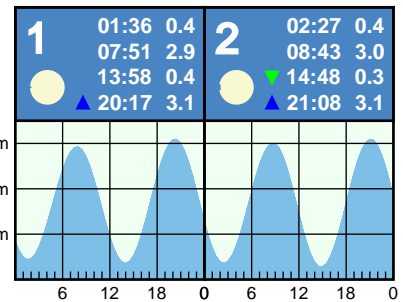
TUESDAY

WEDNESDAY

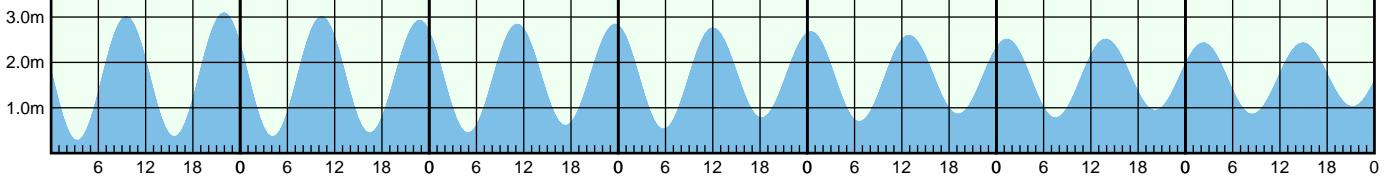
THURSDAY

FRIDAY

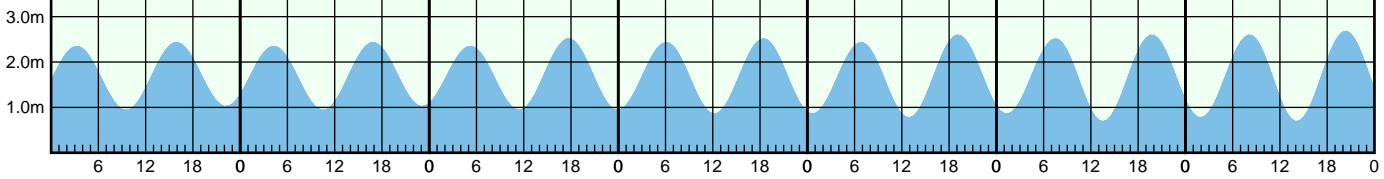
SATURDAY



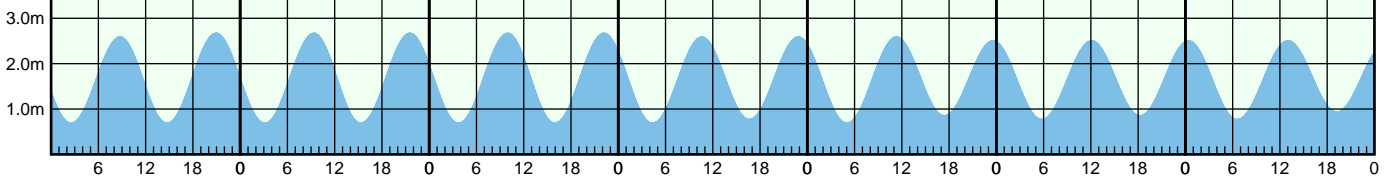
3	03:18	0.3	4	04:07	0.4	5	04:55	0.4	6	05:44	0.5	7	00:28	2.7	8	01:21	2.5	9	02:17	2.4
	09:32	3.0		10:21	3.0		11:10	2.9		12:00	2.8		06:35	0.7		07:29	0.8		08:28	0.9
	15:37	0.4		16:26	0.4		17:17	0.6		18:10	0.8		12:53	2.6		13:52	2.5		14:54	2.4
	21:57	3.1		22:47	2.9		23:37	2.9		19:08	0.9		20:10	0.9		21:13	1.0			



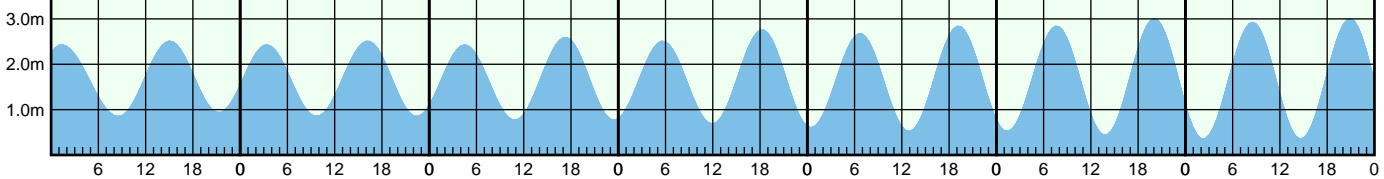
10	03:16	2.4	11	04:16	2.4	12	05:14	2.4	13	06:06	2.4	14	00:38	0.9	15	01:18	0.9	16	01:55	0.8
	09:31	0.9		10:32	0.9		11:26	0.9		12:12	0.9		06:51	2.4		07:32	2.5		08:10	2.6
	15:55	2.4		16:52	2.4		17:42	2.5		18:26	2.5		12:53	0.8		13:31	0.7		14:07	0.7
	22:12	1.0		23:06	1.0		23:55	0.9		19:07	2.6		19:44	2.6		20:21	2.7			



17	02:31	0.7	18	03:07	0.7	19	03:43	0.7	20	04:21	0.7	21	05:01	0.7	22	05:45	0.8	23	00:24	2.5
	08:46	2.6		09:22	2.7		09:58	2.7		10:37	2.6		11:19	2.6		12:06	2.5		06:34	0.8
	14:43	0.7		15:19	0.7		15:57	0.7		16:38	0.8		17:23	0.9		18:14	0.9		13:02	2.5
	20:57	2.7		21:33	2.7		22:11	2.7		22:52	2.6		23:36	2.5		19:13	0.9			



24	01:19	2.4	25	03:22	2.4	26	04:30	2.4	27	05:39	2.5	28	00:27	0.6	29	01:22	0.5	30	02:15	0.4
	08:33	0.9		09:41	0.9		10:52	0.8		11:57	0.7		06:42	2.7		07:40	2.9		08:32	2.9
	15:05	2.5		16:13	2.5		17:18	2.6		18:17	2.8		12:55	0.5		13:48	0.4		14:38	0.4
	21:18	0.9		22:24	0.9		23:27	0.8		19:12	2.9		20:04	3.0		20:55	3.0			



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

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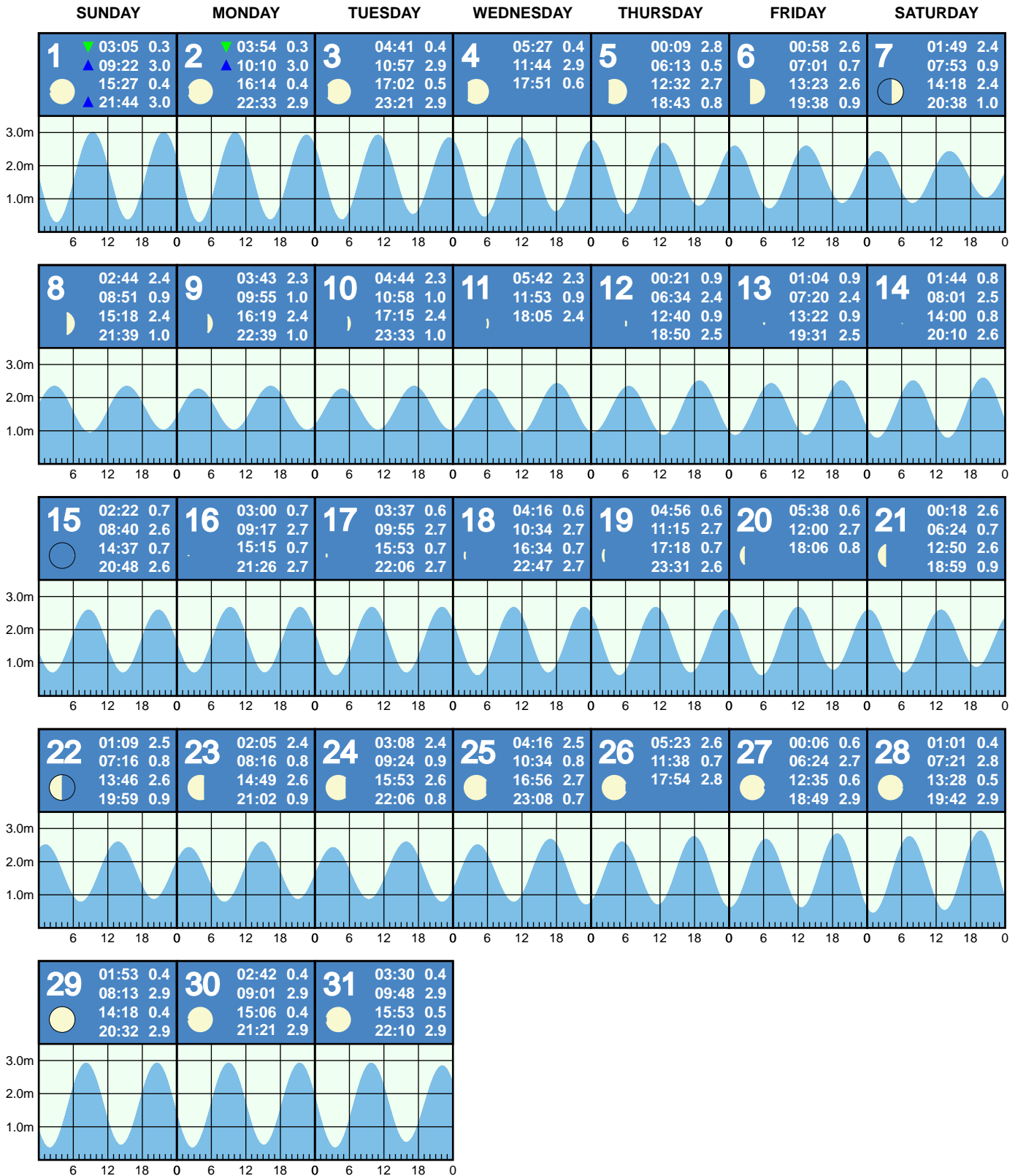
All times are adjusted for daylight savings time.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

OCTOBER 2023



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>. Calculated using mean sea level, range ratio, and high and low water time differences.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

NOVEMBER 2023

SUNDAY

MONDAY

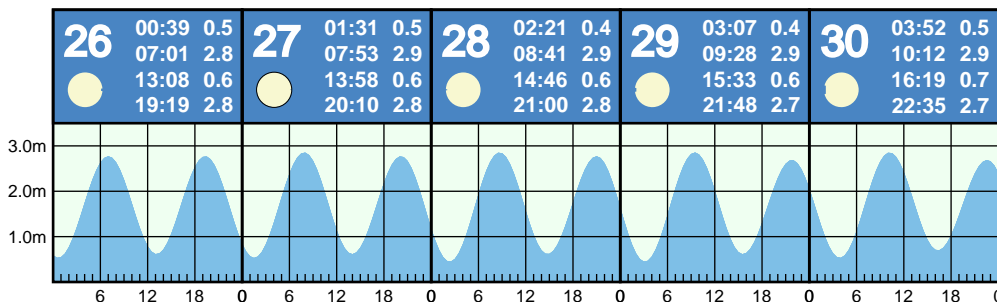
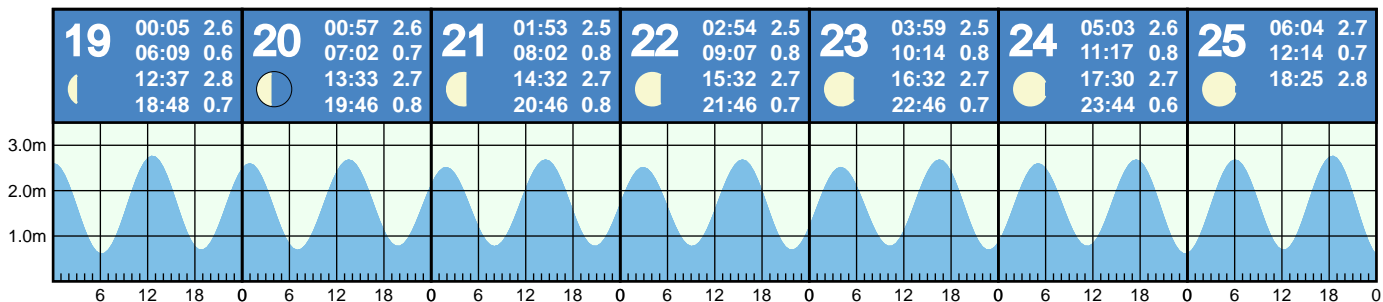
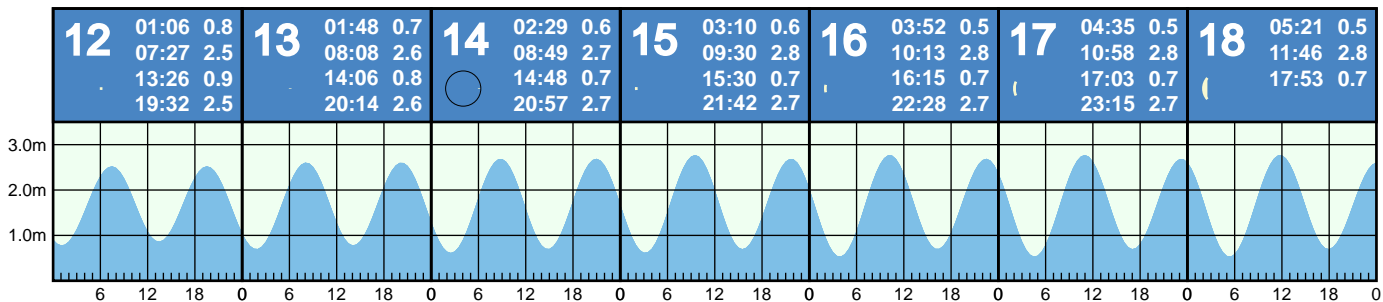
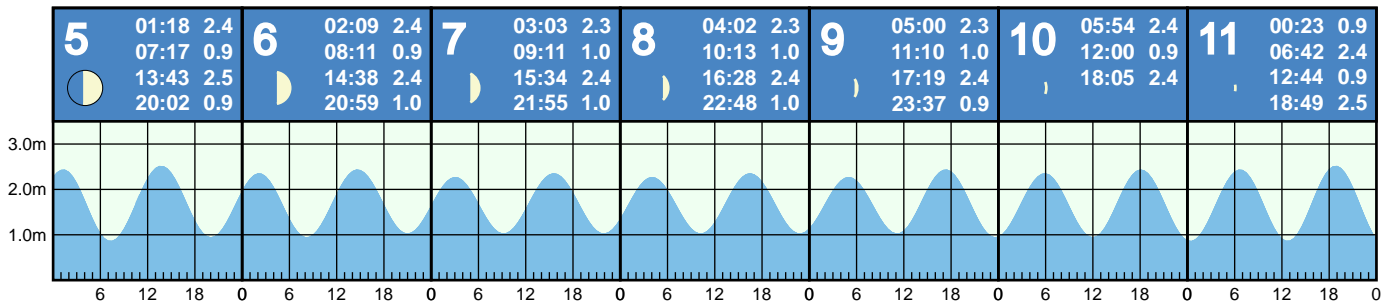
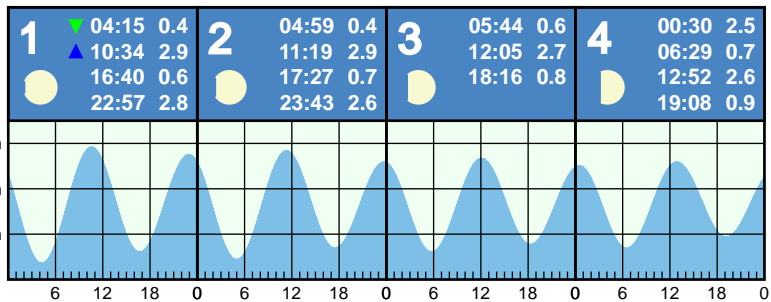
TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY



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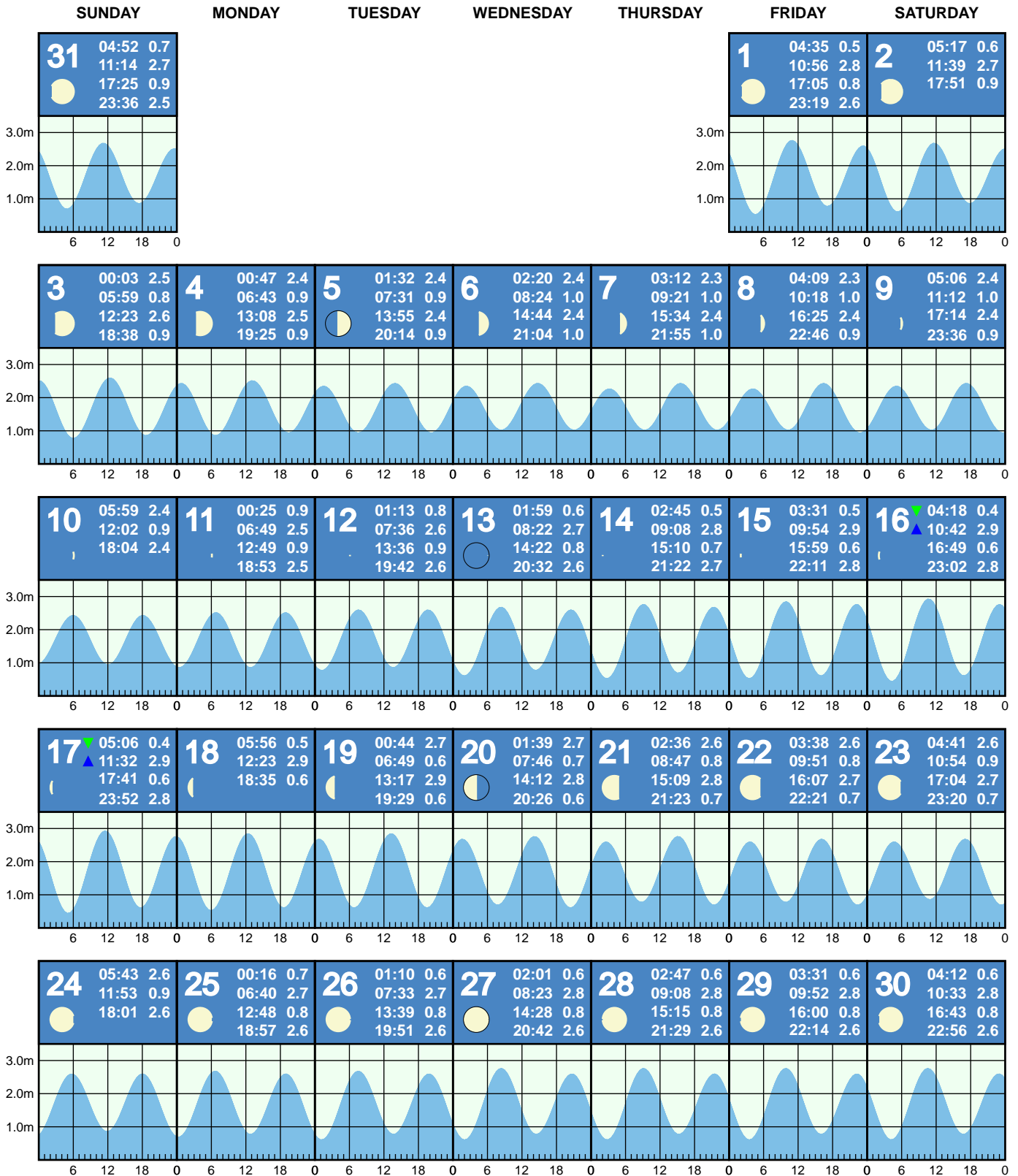
All times are adjusted for daylight savings time.

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TIDAL PREDICTIONS FOR MATAKANA RIVER - SANDSPIT

(based on Auckland)

DECEMBER 2023



Blue and green triangles indicate highest and lowest tides of the month, respectively. Major moon phases are circled in black.

This tide table was calculated using secondary port info at <https://www.linz.govt.nz/sites/default/files/docs/hydro/tidal-info/tide-tables/Secondary-Ports-2022-23.csv>
 Calculated using mean sea level, range ratio, and high and low water time differences.

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