

## Mean Sea level used for the tidal predictions – 2023

An allowance of 2.4 mm per year for sea level change has been made in the mean sea level (MSL) estimate. The allowance is calculated from the central date of the observation period to the central date of the prediction year. The heights are referred to Queensland Port Datum.

Place	Observation Period	MSL	Place	Observation Period	MSL
Gold Coast Seaway	Jan 1993 to Feb 1999	0.822	Cape Ferguson	Jan 1991 to Dec 2020	1.860
Brisbane Bar	Jan 1985 to Dec 2020	1.331	Townsville	Jan 1985 to Dec 2020	2.008
Mooloolaba	Jan 1987 to Dec 2020	1.008	Lucinda (Offshore)	Jun 1985 to Dec 2020	1.951
Noosa Head	Dec 1970 to Dec 1971	1.161	Clump Point	Dec 1985 to Dec 2020	1.807
Waddy Point (Fraser Island)	Oct 1976 to Feb 1978	1.191	Mourilyan Harbour	Jan 1985 to Dec 2020	1.803
Urangan	Sep 1986 to Dec 2020	2.143	Cairns	Jan 1985 to Dec 2020	1.746
Bundaberg (Burnett Heads)	Jan 1985 to Dec 2020	1.789	Port Douglas	Jan 1987 to Sep 2013	1.654
Gladstone	Jan 1985 to Dec 2020	2.401	Leggatt Island	Sep 1995 to Apr 1996	1.700
Port Alma	Jan 1986 to Dec 2020	2.962	Twin Island	Jul 1974 to Dec 1975	1.810
Rosslyn Bay	Jan 1993 to Dec 2020	2.488	Thursday Island	Jan 1985 to Dec 2020	1.919
Hay Point	Jan 1985 to Dec 2020	3.434	Goods Island	Nov 1989 to Dec 2020	2.186
Mackay Outer Harbour	Jan 1985 to Dec 2020	3.076	Booby Island	Aug 1989 to Dec 2020	2.480
Bugatti Reef	Oct 1996 to Mar 1997	1.607	Weipa (Humberg Point)	Jan 1985 to Dec 2020	1.893
Shute Harbour	Jan 1987 to Mar 2020	1.975	Karumba	Jan 1985 to Dec 2020	2.167
Bowen	Jan 1986 to Dec 2020	1.817	Mornington Island	Jun 2007 to Dec 2016	2.164
Abbot Point	Jan 1985 to Dec 1995	1.751	Amrun (Boyd Point)	Jul 2018 to Jan 2020	1.892

Please refer to 2023 Tidal Planes located at <https://www.msq.qld.gov.au/Tides/Tidal-planes> for permanent marks and the QPD reference level. AHD levels or details for determining AHD levels for permanent marks can be sourced from [Queensland Globe](https://qldglobe.information.qld.gov.au/) (<https://qldglobe.information.qld.gov.au/>)