



Ministry for the
Environment
Manatū Mō Te Taiao

Coastal sea-level rise 1901 - 2018

Title

Coastal sea-level rise 1901 - 2018

Publisher

New Zealand's Environment Reporting Series: The Ministry for the Environment and Statistics
New Zealand

Description

This indicator measures the rise in annual mean coastal sea level relative to land. The national mean is derived from four long-term monitoring locations across New Zealand: Auckland, Wellington, Dunedin and Lyttelton. We also report the trends over time, from the beginning of our records until 2018. Relative sea-level rise includes the vertical land movement of the surrounding area (for example, a sinking landmass increases the rise in ocean sea level). We report the change in annual mean coastal sea level to 2018 against the established baseline (mean sea level for 1986–2005) for the long-term sites plus an additional two sites: Moturiki (Mount Maunganui) and New Plymouth. These are not included in the national mean due to shorter records. We also measure the national annual sea-level rise for two time periods: the start of the records to 1960, and 1961–2018. More information on this dataset and how it relates to our environmental reporting indicators and topics can be found in the attached data quality pdf.

Source

NIWA; Land Information NZ (New Zealand Hydrographic Authority)

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Coverage

New Zealand

Identifier

OME2019/02

Type

Dataset

Language

eng-nz

Subject

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