



Ministry for the
Environment
Manatū Mō Te Taiao

Ocean acidification, 1998–2016

Title

Ocean acidification, 1998–2016

Publisher

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

The pH of New Zealand subantarctic waters is calculated from pCO₂ (dissolved carbon dioxide) and alkalinity measurements using refitted Mehrbach constants (see Mehrbach et al, 1973; Dickson & Millero, 1987), and in-situ temperature taken from the Munida time-series transect off the Otago coast. Measurements of pCO₂ are taken every two months. The Munida transect, in the subantarctic waters off Otago, is the Southern Hemisphere's longest-running record of pH measurements (NIWA, 2015). 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

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Coverage

subantarctic waters off Otago, 1998–2016

Identifier

AC17/043

Type

Dataset

Language

eng-nz

Subject

climate change, greenhouse gas concentrations, greenhouse gas emissions, CO₂,
Environmental reporting series: Our atmosphere and climate 2017