

# Water turbulence points (Hydro, 1:22k - 1:90k)

## Title

Water turbulence points (Hydro, 1:22k - 1:90k)

## Creator

LINZ - Land Information New Zealand

## Date

2019-12-12

## Description

The disturbance of water caused by the interaction of any combination of waves, currents, tidal streams, wind, shoal patches and obstructions. S-57 Object Class: Water turbulence S-57 Acronym: WATTUR This data was compiled for the use in the scale range 1:22,000 to 1:90,000. THIS DATA DOES NOT REPLACE NAUTICAL CHARTS AND MUST NOT BE USED FOR NAVIGATION. This data is based on the S-57 data format used in Electronic Navigational Charts (ENCs) published and maintained by the New Zealand Hydrographic Authority at Land Information New Zealand (LINZ). Refer to the following link for information about S-57 data: <http://www.linz.govt.nz/hydro/regulation/>

## Source

The hydrographic data available through the LINZ Data Service is based on official Electronic Navigational Charts (ENCs) published by the New Zealand Hydrographic Authority. Prior to loading onto this service, the S-57 data from these ENCs is converted to shapefile format. The following Navigational Purposes and scale-ranges are represented: 1. Overview, 1:1.5mil and smaller 2. General, 1:350k - 1:1,500k 3. Coastal, 1:90k - 1:350k 4. Approach, 1:22k - 1:90k 5. Harbour, 1:4k - 1:22k

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## Coverage

-71.9588232 165.9106584 -18.7599157 -174.1501928

## Identifier

<https://data.linz.govt.nz/layer/50630-water-turbulence-points-hydro-122k-190k/>

## Type

vector

## Language

eng

## Subject

New Zealand

## Subject

oceans

## Subject

transportation