

# AN OVERVIEW OF COASTAL PROCESSES AND DRIVERS OF COASTAL HAZARDS: NGARUNUI BEACH TO TE KŌPUA SPIT RAGLAN, NEW ZEALAND



## INFO:

**Location:** Raglan, New Zealand

**Client:** Waikato Regional Council

**Project Date:** October 2019

## SCOPE OF WORK:

- Site Visit
- Literature Review
- Coastal Processes Overview
- Coastal Drivers Overview
- Beach Profiling and Shoreline Morphology Overview
- Sea Level Rise and Inundation Overview
- Tsunami Overview
- Te Kōpua Restoration Plan Overview
- Expert Recommendations

## PROJECT DESCRIPTION:

We were commissioned by Waikato Regional Council to review the coastal processes and drivers of coastal hazards affecting the area from the northern end of Ngarunui Beach, which sits just outside the Whaingaroa Harbour, through to the north-eastern terminus of Te Kōpua spit within Whaingaroa Harbour. Existing literature and data surrounding the coastal processes and morphology were reviewed for the west coast, Ngarunui Beach, Whaingaroa Harbour ebb and flood tidal delta, the Whaingaroa Harbour entrance and the stretch of coastline between Wainamu Beach and the end of Te Kōpua spit. The findings from this coastal processes and drivers study will form the basis, and provide a source of information, to inform any future management options along this part of the coastline in Whaingaroa/Raglan Harbour, similar to the aims of the Te Kōpua Restoration Operational Plan.

