

Coastal water quality and ecology monitoring



Contents

- [Coastal water quality and ecology monitoring](#)
 - [Contents](#)
- [Disclaimer](#)
- [Overview](#)
- [2021/22 coastal monitoring](#)
- [2021/22 continued](#)
- [2020/21 coastal monitoring](#)
- [2020/21 continued](#)
- [2019/20 coastal monitoring](#)
- [2019/20 continued](#)
- [2018/19 coastal monitoring](#)
- [2018/19 continued](#)
- [2017/18 coastal monitoring](#)
- [2017/18 continued](#)

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For the latest available results go to the [GW environmental data hub](#).

Overview

Greater Wellington (GW) carries out coastal monitoring at a range of beach, estuary, harbour and rocky shore sites throughout the region. Monitoring has typically focussed on the impact and accumulation of urban stormwater contaminants and sediment in estuaries and harbours, as these are our most vulnerable depositional environments. Representative beach and rocky shore habitats are surveyed periodically with results available in previous years.

This documents provides blurbs and links to GW coastal monitoring reports from 2017/18 up to 2017/22. Use the contents page, or links below to jump to a specific monitoring year:

- [2021/22 coastal monitoring](#)
- [2020/21 coastal monitoring](#)
- [2019/20 coastal monitoring](#)
- [2018/19 coastal monitoring](#)
- [2017/18 coastal monitoring](#)

Reports for previous years can be found using the [GW search page](#).

2021/22 coastal monitoring



Te Awarua-o-Porirua Harbour Fine Scale Intertidal Sediment and Macrofaunal Survey

Monitoring and assessment of two sites each in the Onepoto and Pāuatahanui arms of the estuary, January 2022 – full report 



Te Awarua-o-Porirua Harbour Sediment Plate Monitoring

Annual monitoring of sediment deposition and estuary health indicators at nine intertidal and nine subtidal sites, January 2022 – full report 



Hutt Estuary Intertidal Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at one site, January 2022 – report card 

2021/22 continued



Waikanae Estuary Intertidal Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at three sites, January 2022 – report card 



Fine Scale Intertidal Monitoring of Whareama Estuary

Monitoring and assessment of two sites (downstream and further upstream) in the Whareama Estuary, March 2022 – full report 

2020/21 coastal monitoring



Te Whanganui-a-Tara (Wellington Harbour) Subtidal Monitoring

Seafloor ecosystem health and marine sediment quality monitoring at 15 subtidal sites, November 2020 – full report 



Te Awarua-o-Porirua Harbour Subtidal Monitoring

Seafloor ecosystem health and marine sediment quality monitoring at five subtidal sites, November 2020 – full report 



Te Awarua-o-Porirua Harbour Sediment Plate Monitoring

Annual monitoring of sediment deposition and estuary health indicators at nine intertidal and nine subtidal sites, December 2020 – full report 

2020/21 continued



Hutt Estuary Intertidal Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at one site, December 2020 – report card 



Waikanae Estuary Intertidal Sediment Monitoring

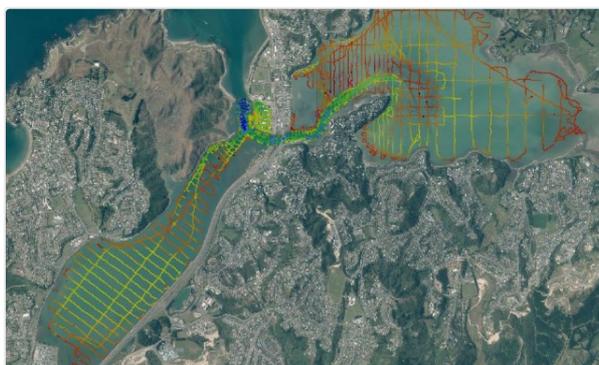
Annual monitoring of sediment deposition and estuary health indicators at three sites, December 2020 – report card 

2019/20 coastal monitoring



Te Awarua-o-Porirua Harbour Fine Scale Intertidal Sediment and Macrofaunal Survey

Monitoring and assessment of two sites each in the Onepoto and Pāuatahanui arms of the estuary, January 2020 – full report 



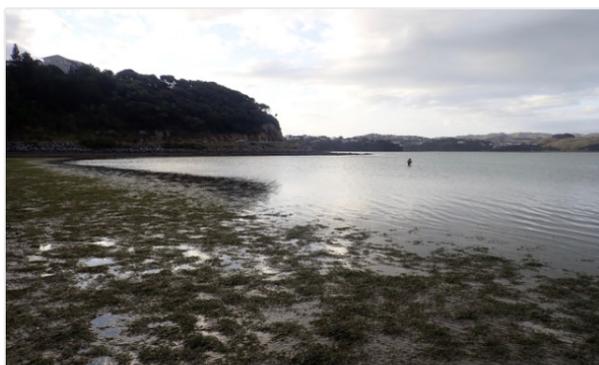
Te Awarua-o-Porirua Harbour Bathymetry Survey

Monitoring of the harbour bed for sediment movement, accretion and/or erosion, May 2019 – full report 



Te Awarua-o-Porirua Harbour Sediment Plate Monitoring

Annual monitoring of sediment deposition and estuary health indicators at nine intertidal and nine subtidal sites, January 2020 – full report 



Te Awarua-o-Porirua Harbour Broad Scale Intertidal Habitat Mapping

Assessments of dominant substrate and vegetation features present in the estuary, January 2020 – full report 

2019/20 continued



Hutt Estuary Intertidal Macroalgal Monitoring

Monitoring and assessment of opportunistic macroalgal cover in the Hutt Estuary, January 2020 – full report 



Hutt Estuary Intertidal Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at three sites in the Hutt Estuary, January 2020 – report card 



Waikanae Estuary Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at three sites in the Waikanae River Estuary, January 2020 – report card 

2018/19 coastal monitoring



Kāpiti and Mana Island Rocky Shore Survey

Baseline assessment and characterisation of four rocky shores sites on Kāpiti and Mana islands, January 2019 – full report 



Paraparaumu and Waikanae Beach Survey

Baseline assessment and characterisation of two Kāpiti coast beaches, January 2019 – full report 



Hutt Estuary Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at a single site in the Hutt Estuary, January 2019 – report card 



Waikanae Estuary Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at three sites in the Waikanae River Estuary, January 2019 – report card 

2018/19 continued



Te Awarua-o-Porirua Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at nine intertidal and nine subtidal sites, January 2019 – report summary 



Kāpiti Whaitua: Review of Estuary Ecological Condition and Habitat Vulnerability

Broad scale estuary condition assessments of nine Kāpiti coast estuaries surveyed in January 2019 and compared with assessments from 2007 – full report 

2017/18 coastal monitoring



Hutt Estuary Intertidal Macroalgal Monitoring

Monitoring and assessment of opportunistic macroalgal cover in the Hutt Estuary, January 2018 – full report 



Te Awarua-o-Porirua Harbour Sediment Plate Monitoring

Annual monitoring of sediment deposition and estuary health indicators at nine intertidal and nine subtidal sites, January 2018 – full report 



Te Whanganui-a-Tara / Wellington Harbour Rocky Shore Monitoring

Baseline assessment and characterisation of five rocky shores sites at Scorching Bay, Makara and Baring Head, January 2018 – full report 



Te Whanganui-a-Tara / Wellington Harbour Sandy Beach Monitoring

Baseline assessment and characterisation of Petone Beach, Lyall Bay and Owhiro Bay, January 2018 – full report 

2017/18 continued



Te Whanganui-a-Tara / Wellington Harbour Whaitua: Review of Estuary Ecological Condition and Habitat Vulnerability

Synthesis of broad scale assessments at Petone Beach, Lyall Bay, Owhiro Bay, Makara, Scorching Bay, Baring Head, Makara, Kaiwharawhara, Korokoro, Hutt and Wainuiomata estuaries, Summer 2018 – full report 



Waikanae Estuary Intertidal Sediment Monitoring

Annual monitoring of sediment deposition and estuary health indicators at three sites in the Waikanae River Estuary, January 2018 – report card 