

Project Baseline Wellington Kelp Survey Report for Kelp Survey 27 November 2024

Kau Bay Kelp Observation – D20 (27 November 2024)

Reference: KB D20

Date: **27 Nov 2024**

Time: 9.10-9.50am

Route: From Kau Bay into Mahanga Bay

Surface snorkel observation

Snorkeler: Nicole Miller

Method: GPS tracking with Garmin etrex 22x in waterproof housing.

Visibility: 2m Kau Bay Side – 1m Mahanga Bay side

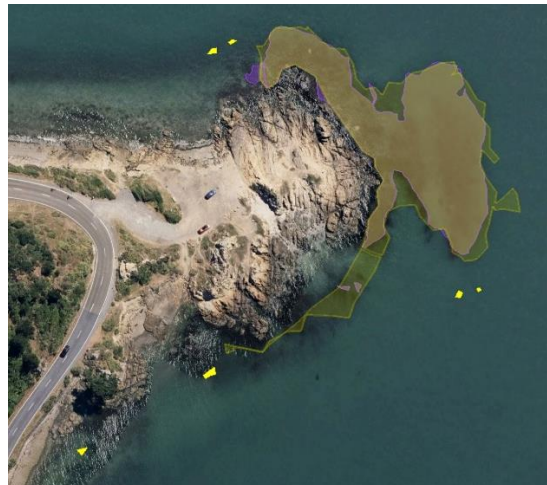
Surface Temp: 16 °C (Shearwater Dive Computer)

Tide: No wind, a bit of the southerly swell pushing into the harbour (low tide 8.48am, 0.7, Linz), on Mahanga Bay side incoming tide.

Kelp Bed Size: **area covered 3,196m²**



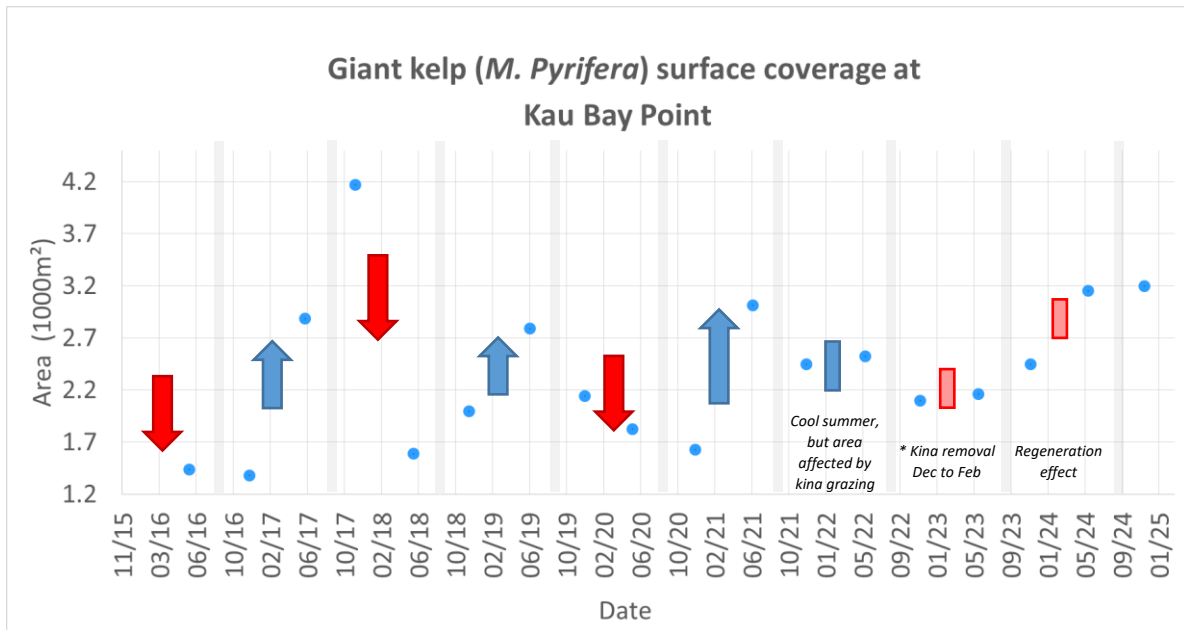
May 2024 (red, 3,150m²) & **Nov 2024 (yellow, 3,196m²)**.



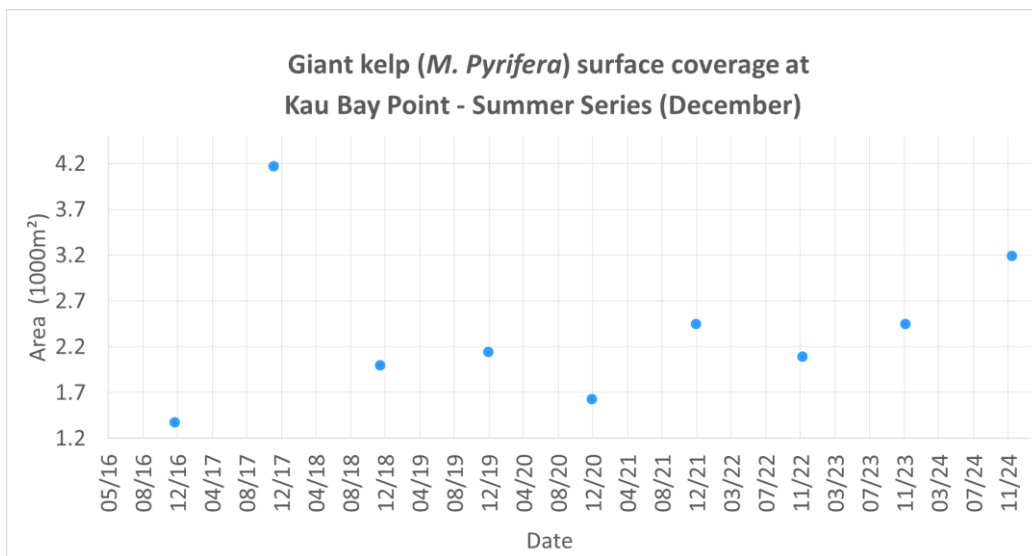
Nov 2023 (purple, 2,448m²) & **Nov 2024 (yellow, 3,196m²)**.



Nov 2022 (light yellow, 2,095m²)
Nov 2023 (purple, 2,448m²)
Nov 2024 (yellow, 3,196m²).



*Kina removal event Dec 2022 to Feb 2023, regeneration visible close to existing kelp forest in May 2023, for regeneration progress as of May 2024 visit www.kinaowhanganuiatara.nz.



Observations Notes

The filamentous algae growth was very visible 6 months ago already. The algae now overgrows carpophyllum and giant kelp in thick mats.

The university research markers are heavily overgrown by undaria.

27 November 2024 Survey Photos

