

## Project Baseline Wellington Kelp Survey Update – 07 June 2021

### Kau Bay Kelp Observation – D13 (07 Jun 2021)

Reference: KB D13

Date: **07 Jun 2021**

Time: 9.10am – 9.40am

Route: From Kau Bay into Mahanga Bay

Surface snorkel observation

Snorkeler: Nicole Miller

Method: GPS tracking with Garmin etrex 20x in waterproof housing.

Visibility: Not available

Surface Temp: Not available

Tide: incoming (low tide approx. 8.37am, 0.7, Linz)

Kelp Bed Size: **area covered 3,011m<sup>2</sup>**

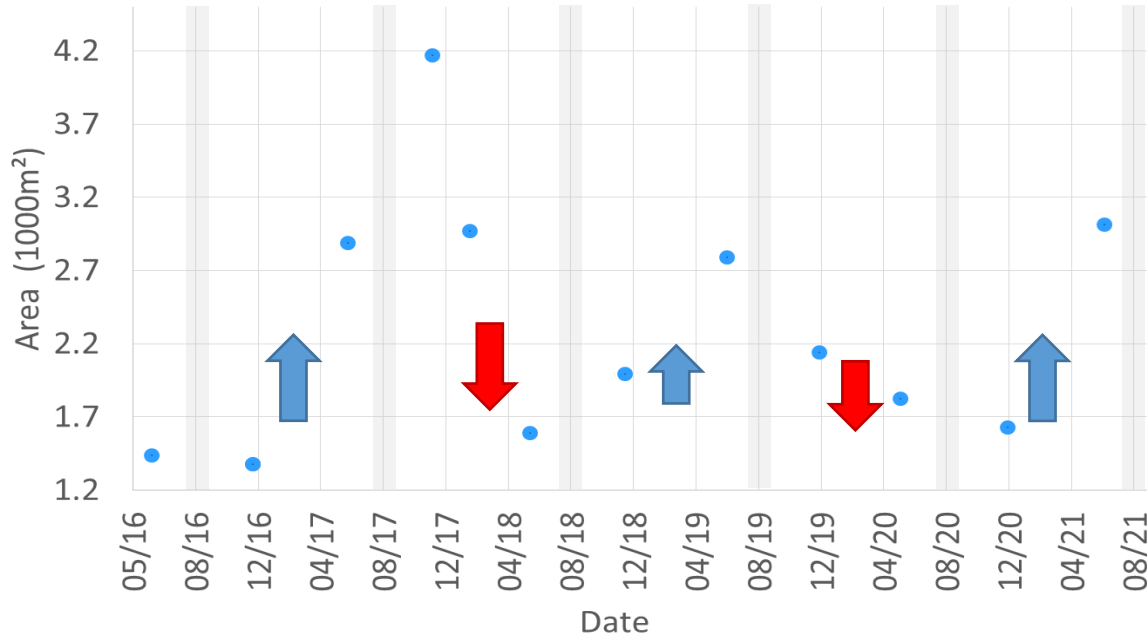


May 2020 (blue, 1,827m<sup>2</sup>) & **June 2021 (white, 3,011m<sup>2</sup>)**.

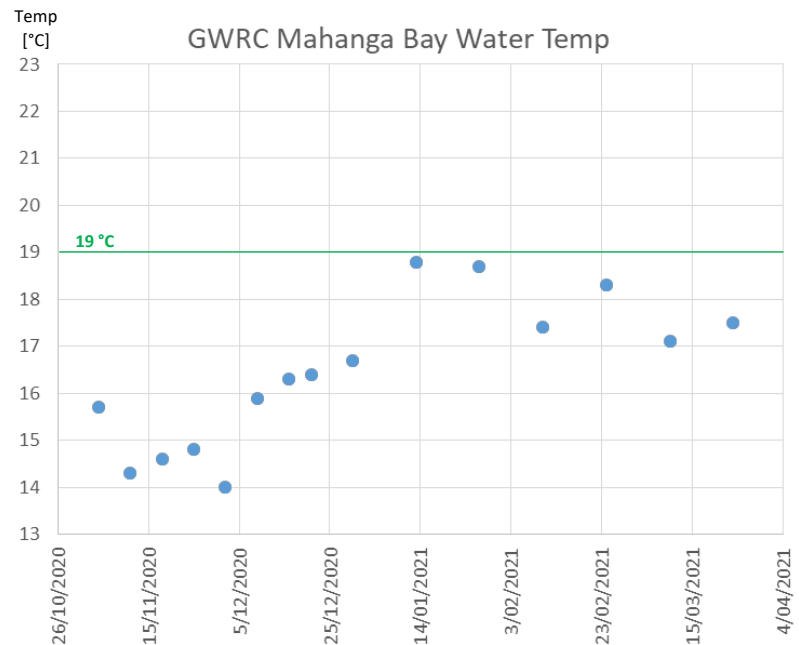


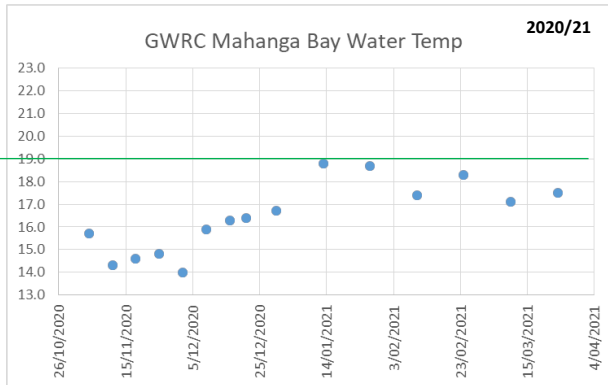
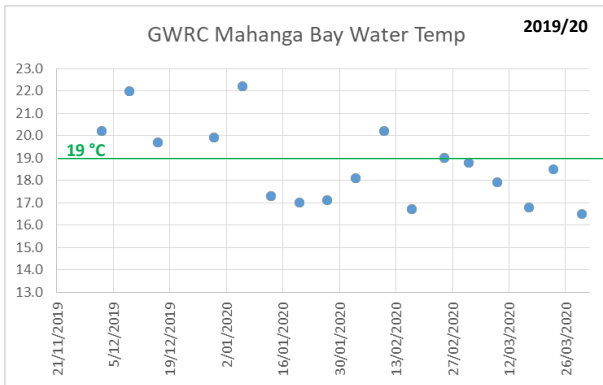
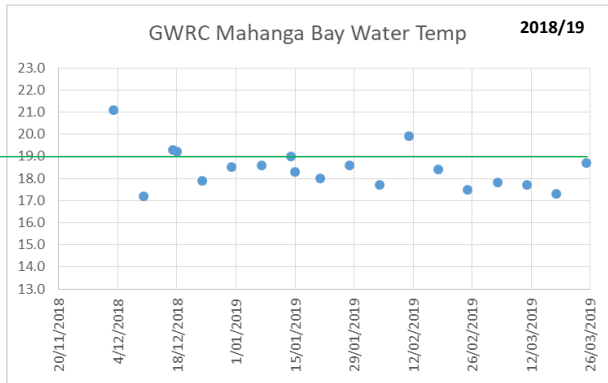
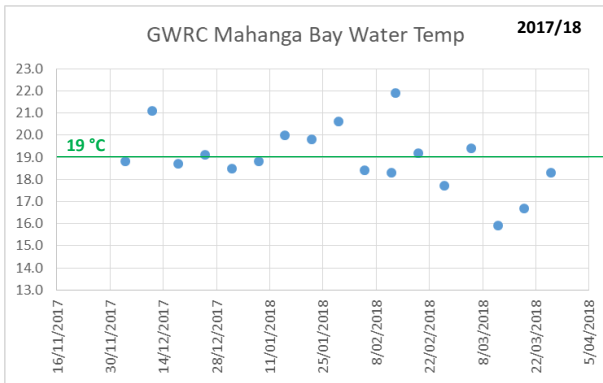
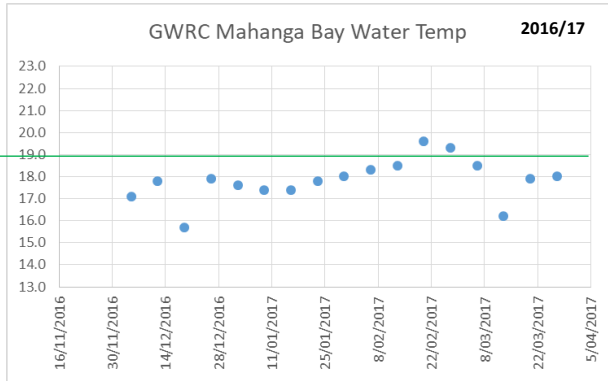
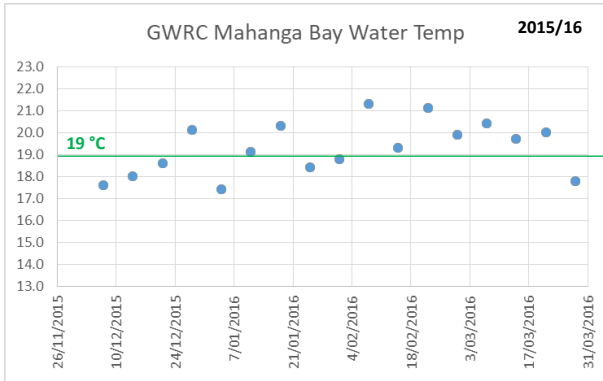
Dec 2020 (yellow, 1,628m<sup>2</sup>) & **June 2021 (white, 3,011m<sup>2</sup>)**.

### Giant kelp (*M. Pyrifera*) surface coverage at Kau Bay Point



Date	Temp [°C]
4/11/2020	15.7
11/11/2020	14.3
18/11/2020	14.6
25/11/2020	14.8
2/12/2020	14.0
9/12/2020	15.9
16/12/2020	16.3
21/12/2020	16.4
30/12/2020	16.7
13/01/2021	18.8
27/01/2021	18.7
10/02/2021	17.4
24/02/2021	18.3
10/03/2021	17.1
24/03/2021	17.5





Season	Date	Water Temp > 19.5 °C
2015/16	8/02/2016	21.3
2016/17	20/02/2017	19.6
2017/18	13/02/2018	21.9
2018/19	3/12/2018	21.1
	11/02/2019	19.9
2019/20	2/12/2019	20.2
	9/12/2019	22.0
	16/12/2019	19.7
	30/12/2019	19.9
	6/01/2020	22.2
2020/21	10/02/2020	20.2
2020/21	N/A*	

\* no measurements > 19.0 °C



