

Project Baseline Wellington Kelp Survey Update – 23 May 2020

Kau Bay Kelp Observation – D11 (23 May 2020)

Reference: KB D11

Date: **23 May 2020**

Time: 12.30pm – 1.20pm

Route: From Kau Bay into Mahanga Bay

Surface snorkel observation

Snorkeler: Nicole Miller

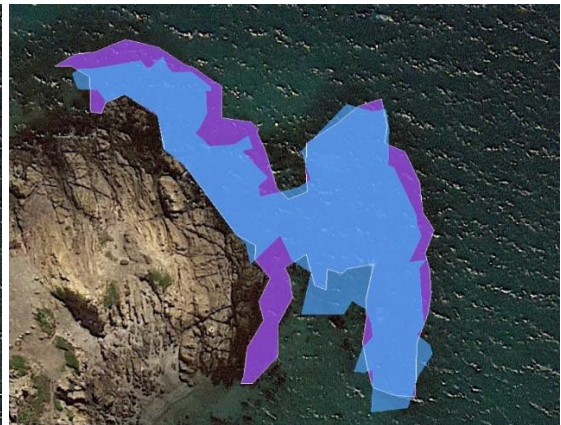
Method: GPS tracking with Garmin etrex 20x in waterproof housing.

Visibility: 3m (at surface, estimated)

Surface Temp: 13.8-14.1° C (Olympus TG-4 Tough)

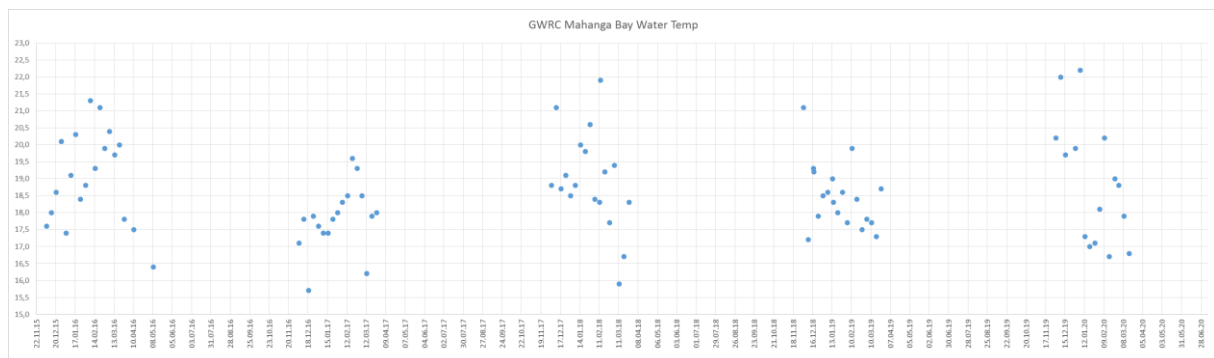
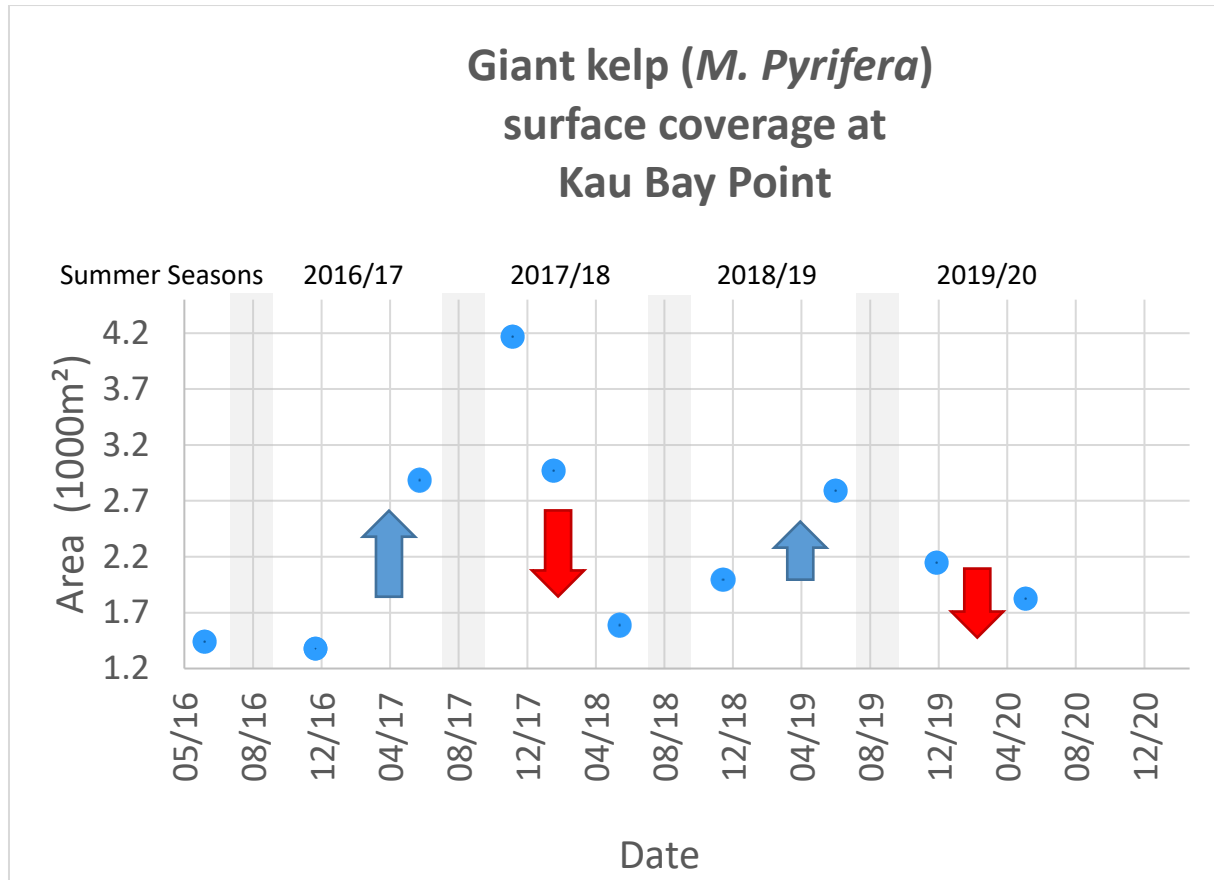
Tide: Incoming (low tide approx. 11.27am, 0.8, Linz)

Kelp Bed Size: Circumference 340m, **area covered 1,827m²**

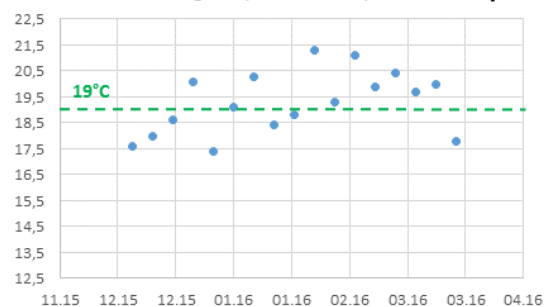


June 2019 (grey 2,788m²) & **May 2020 (blue, 1,827m²)**.

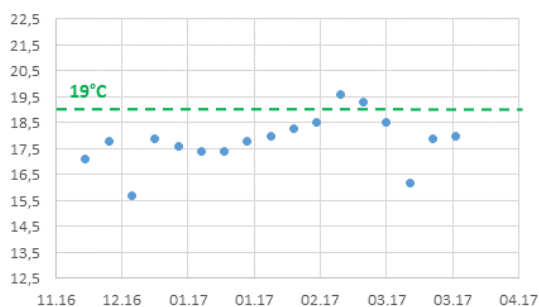
Dec 2019 pink (2,143m²) & **May 2020 (blue, 1,827m²)**.



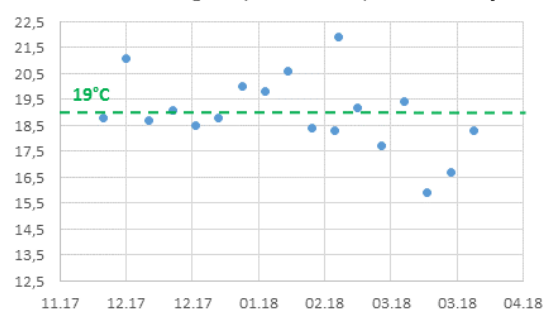
(°C) GWRC Mahanga Bay Water Temp **2015/16**



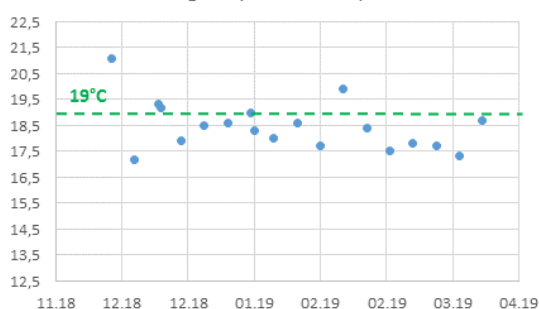
GWRC Mahanga Bay Water Temp **2016/17**



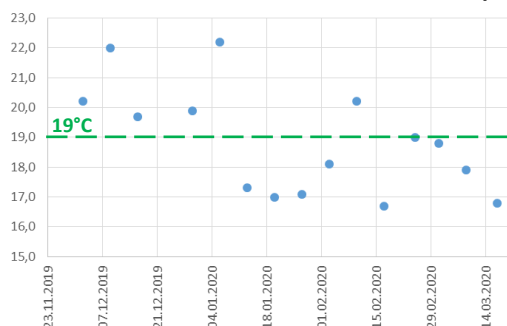
GWRC Mahanga Bay Water Temp **2017/18**

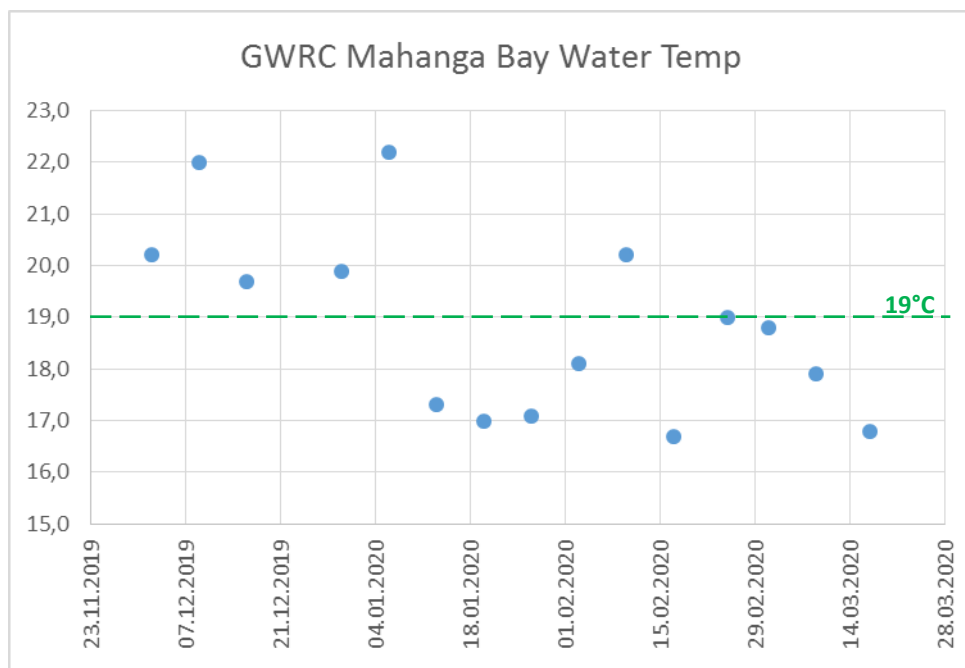


GWRC Mahanga Bay Water Temp **2018/19**



GWRC Mahanga Bay Water Temp **2019/20**





Summer Season	Date	Water Temp > 19,5 °C
2015/16	08.02.2016	21,3
2016/17	20.02.2017	19,6
2017/18	13.02.2018	21,9
2018/19	03.12.2018	21,1
	11.02.2019	19,9
2019/20	02.12.2019	20,2
	09.12.2019	22,0
	16.12.2019	19,7
	30.12.2019	19,9
	06.01.2020	22,2
	10.02.2020	20,2

