



# Weekly River Monitoring Report

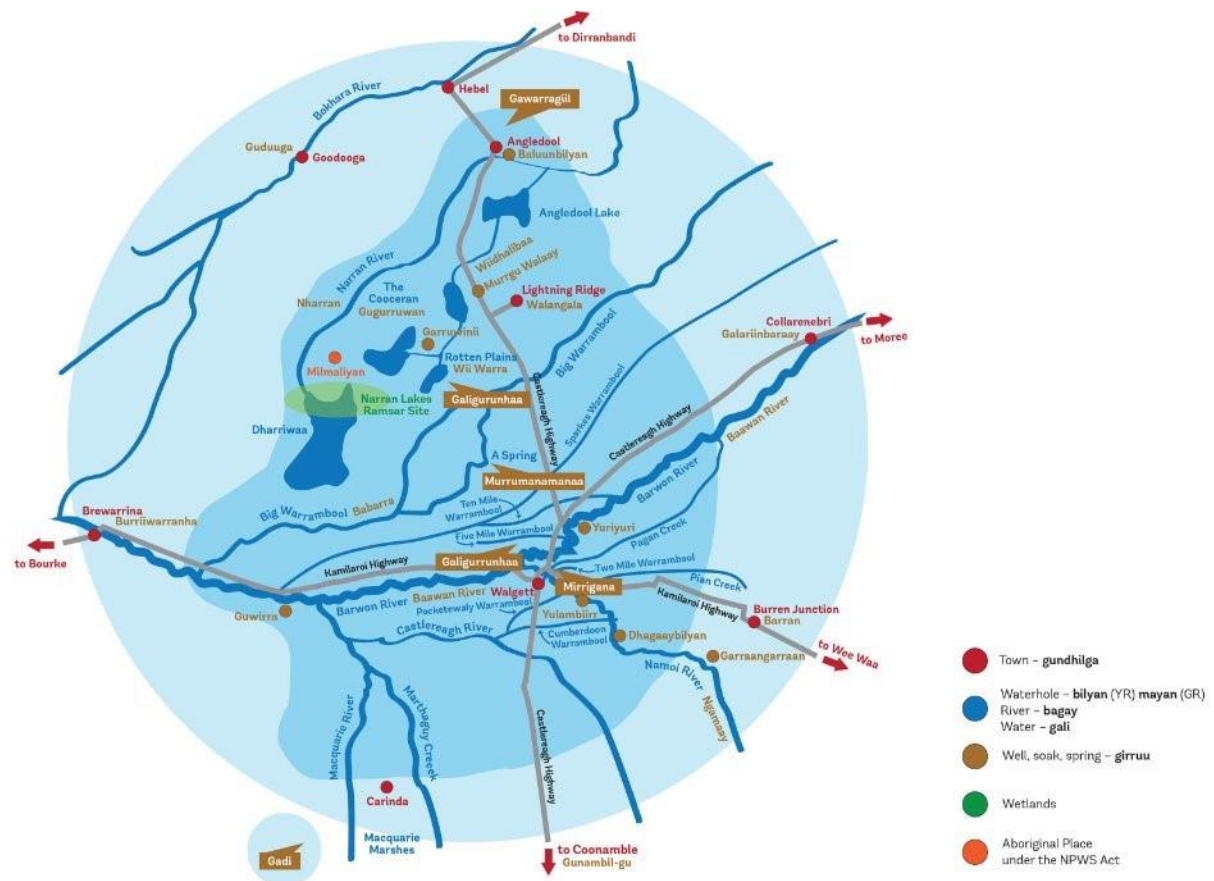
11th September 2024



## Introduction

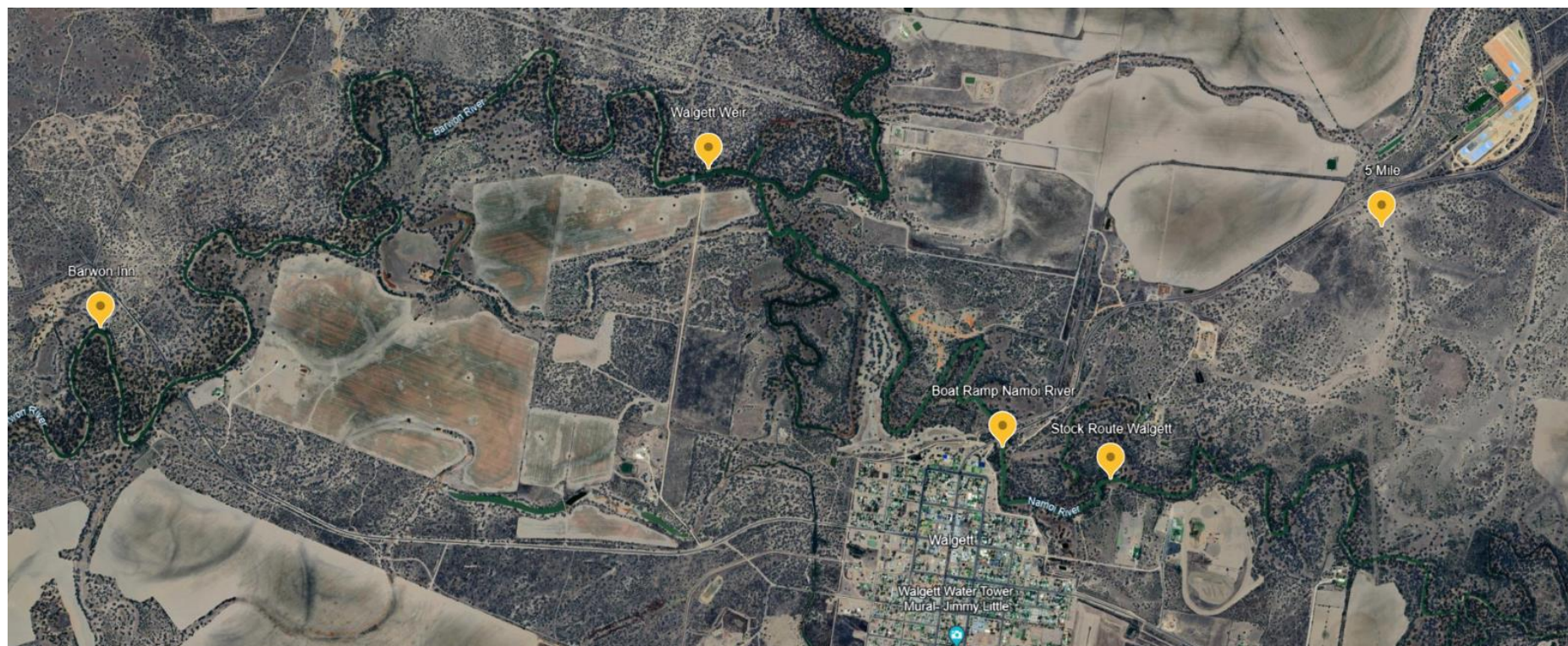
This data was collected on Wednesday 11<sup>th</sup> September between 10am and 1pm on the Ngamaay (Namoi) and Baawan (Barwon) River.

The Dharriwaa Elders Group River Rangers are conducting weekly water quality testing, measuring a range of factors that affect the quality of the river water. Different results affect the health of native animals and plants, and the health of the people that rely on the river for food and water.

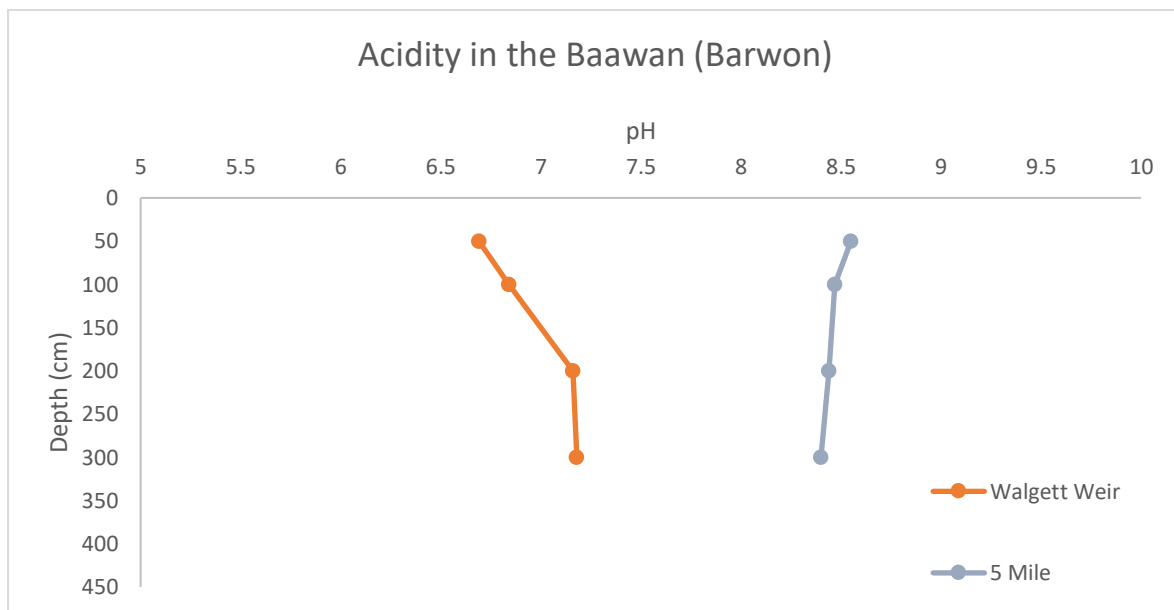
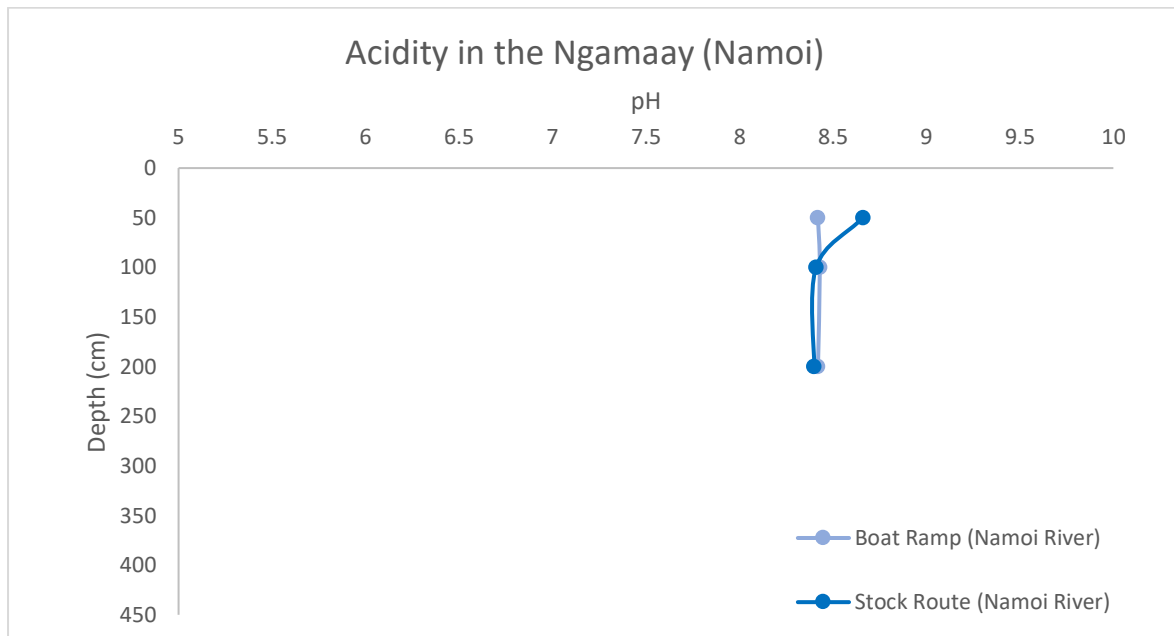


(Picture: Dharriwaa Elders Group area of interest)

Picture: Map of the Baawan (Barwon) River and Ngamaay (Namoi) River where the DEG River Rangers do their water quality monitoring.



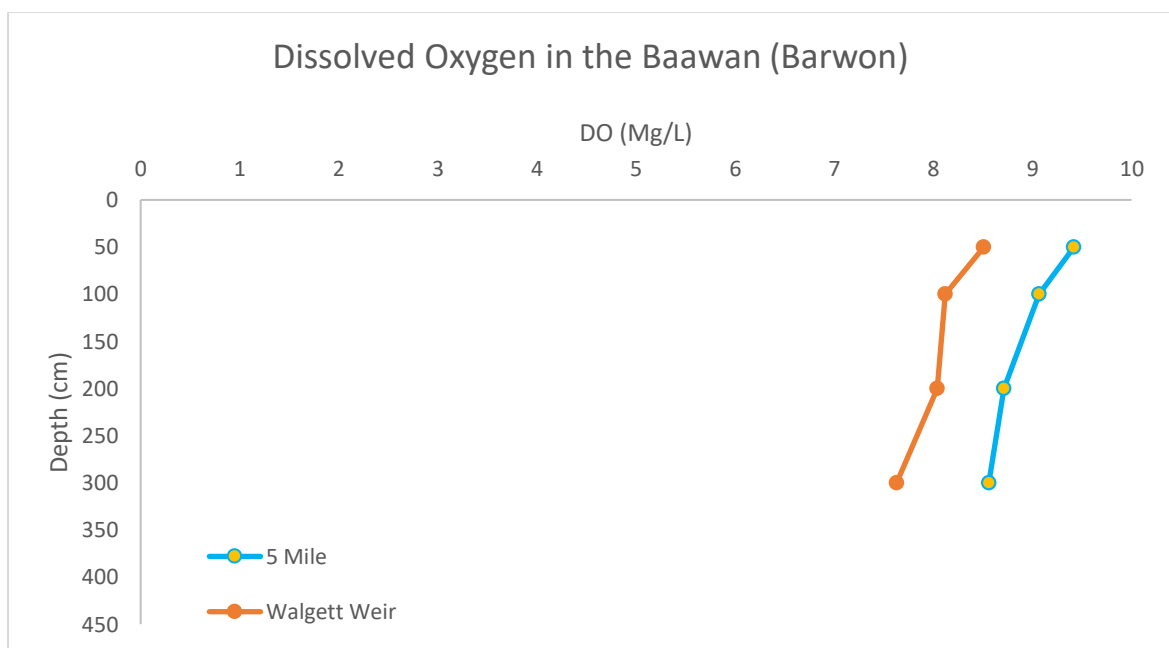
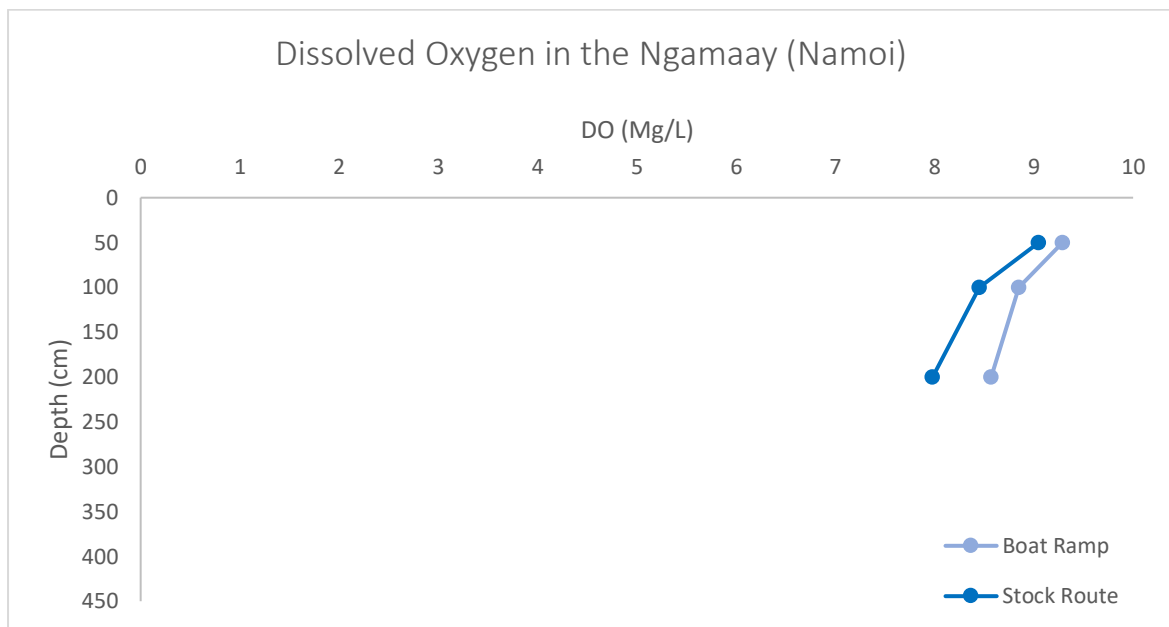
## Acidity in the Ngamaay and Baawan Rivers



The pH levels at the Boat Ramp (Ngamaay River) are within the healthy range. The first pH reading at the Stock Route (Ngamaay River) is outside the healthy range. The next two readings are within the healthy range. At the Walgett Weir (Baawan River) the pH reading is within the healthy range. The first pH reading at the 5 Mile (Baawan River) is outside the healthy range the following readings are within the healthy range. The maximum reading is 8.66 and the minimum reading is 6.69.

**Healthy range: 6.5 - 8.5 pH**

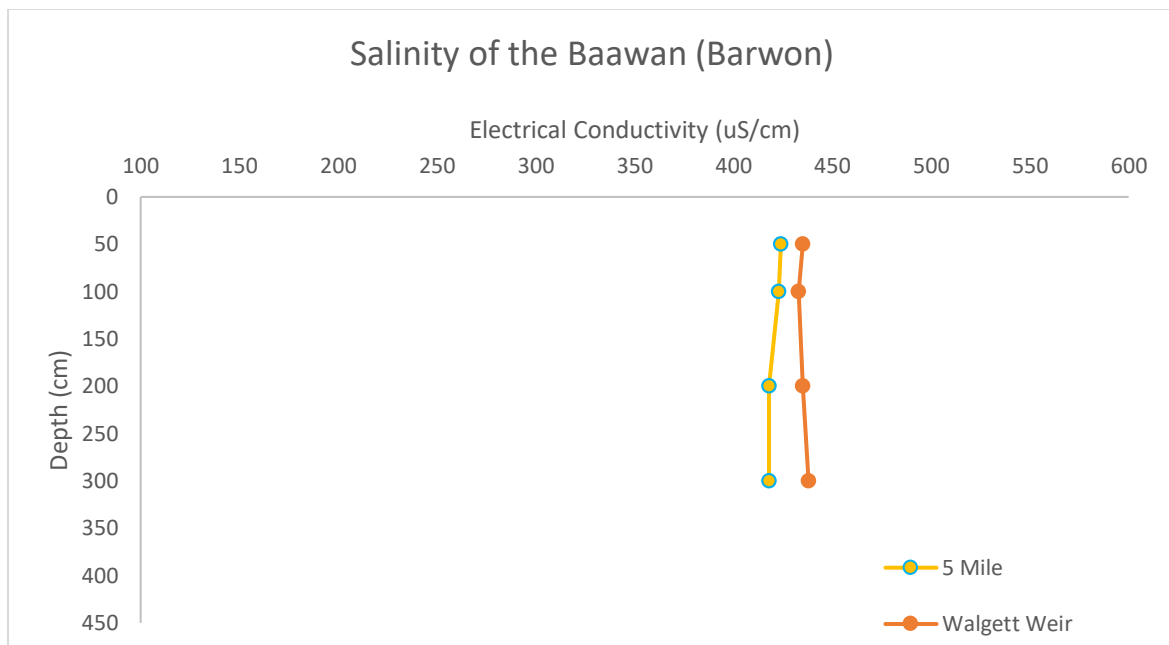
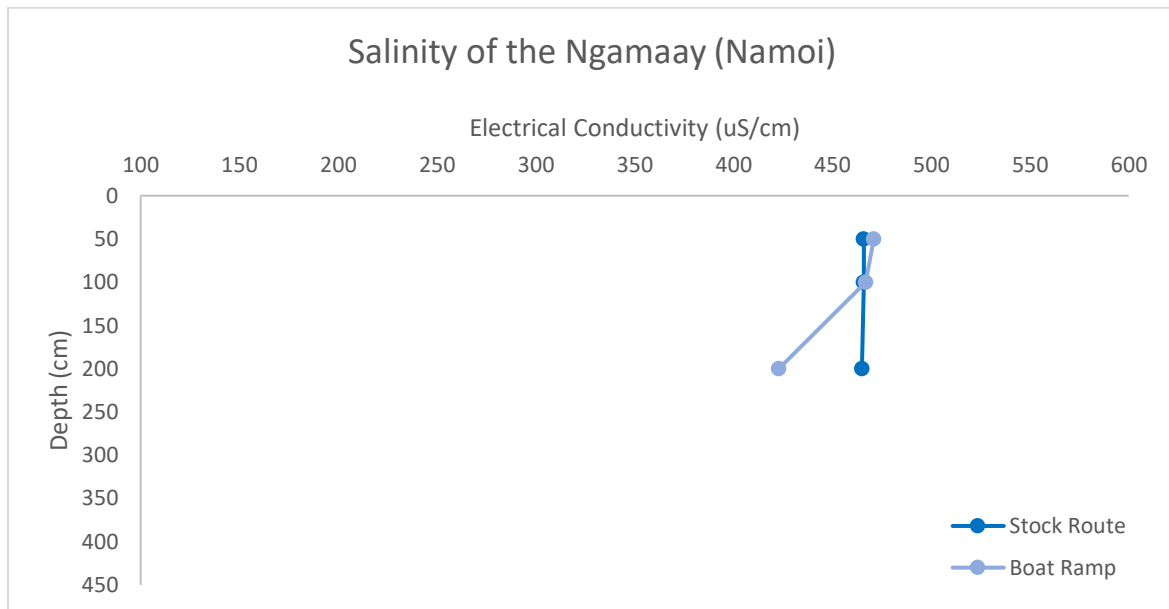
## Dissolved Oxygen in the Ngamaay and Baawan Rivers



The majority of the dissolved oxygen readings in the Ngamaay and Baawan River are outside the healthy range. The maximum reading is 9.42 and the minimum reading is 7.63.

**Healthy Range: 6 - 8 (Mg/L)**

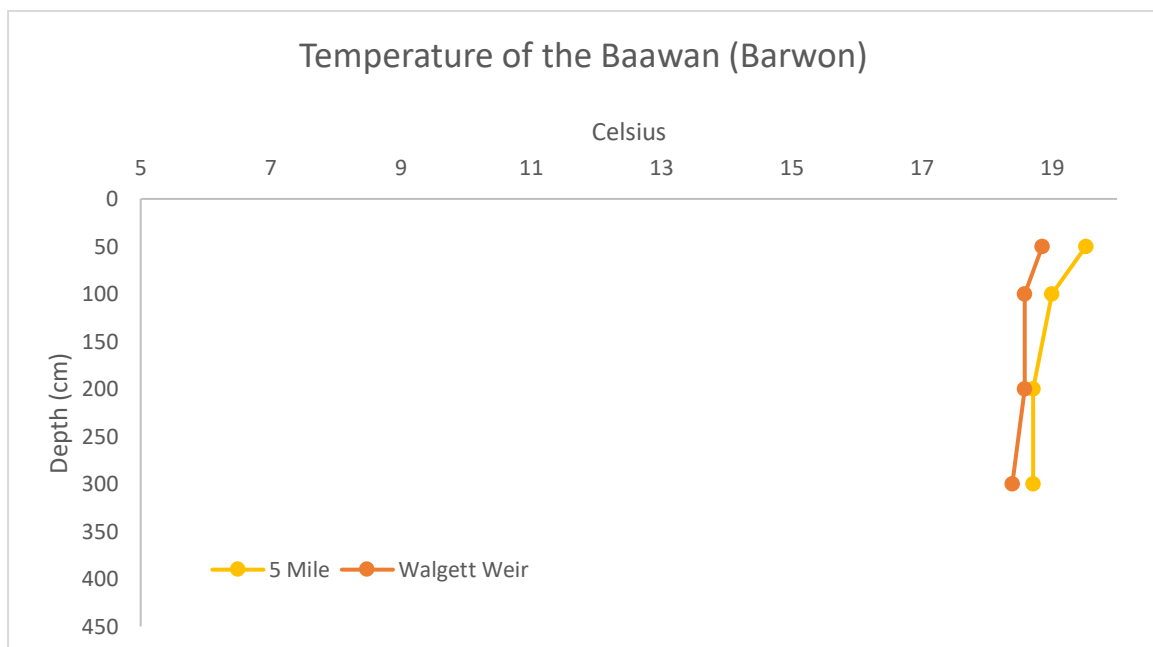
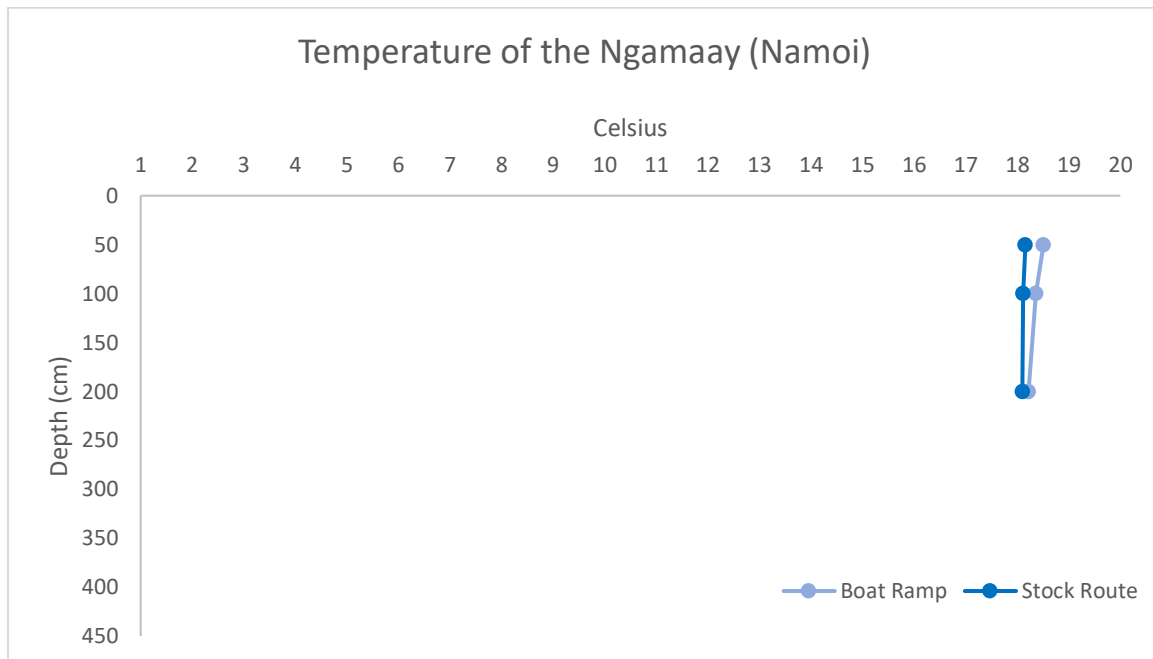
## Salinity in the Ngamaay and Baawan Rivers



The salinity readings in the Ngamaay and Baawan Rivers are within a healthy range. The maximum reading is 471 and the minimum readings is 418.

**Healthy Range: 125 - 2,200 uS/cm**

## Temperature in the Ngamaay and Baawan Rivers



The temperature in the Ngamaay and Baawan Rivers are within the healthy range. The maximum reading is 19.52 and the minimum reading is 18.10.

**Healthy Range: 18-28 degrees (Celsius)**

## **Conclusion**

Majority of the pH readings in the Ngamaay and Baawan Rivers are outside the healthy range. The readings are more on the alkaline side.

The dissolved oxygen readings are outside the healthy range. There is no danger to the fish within the rivers.

The salinity and the temperature in the Ngamaay and Baawan Rivers are within the healthy range.