



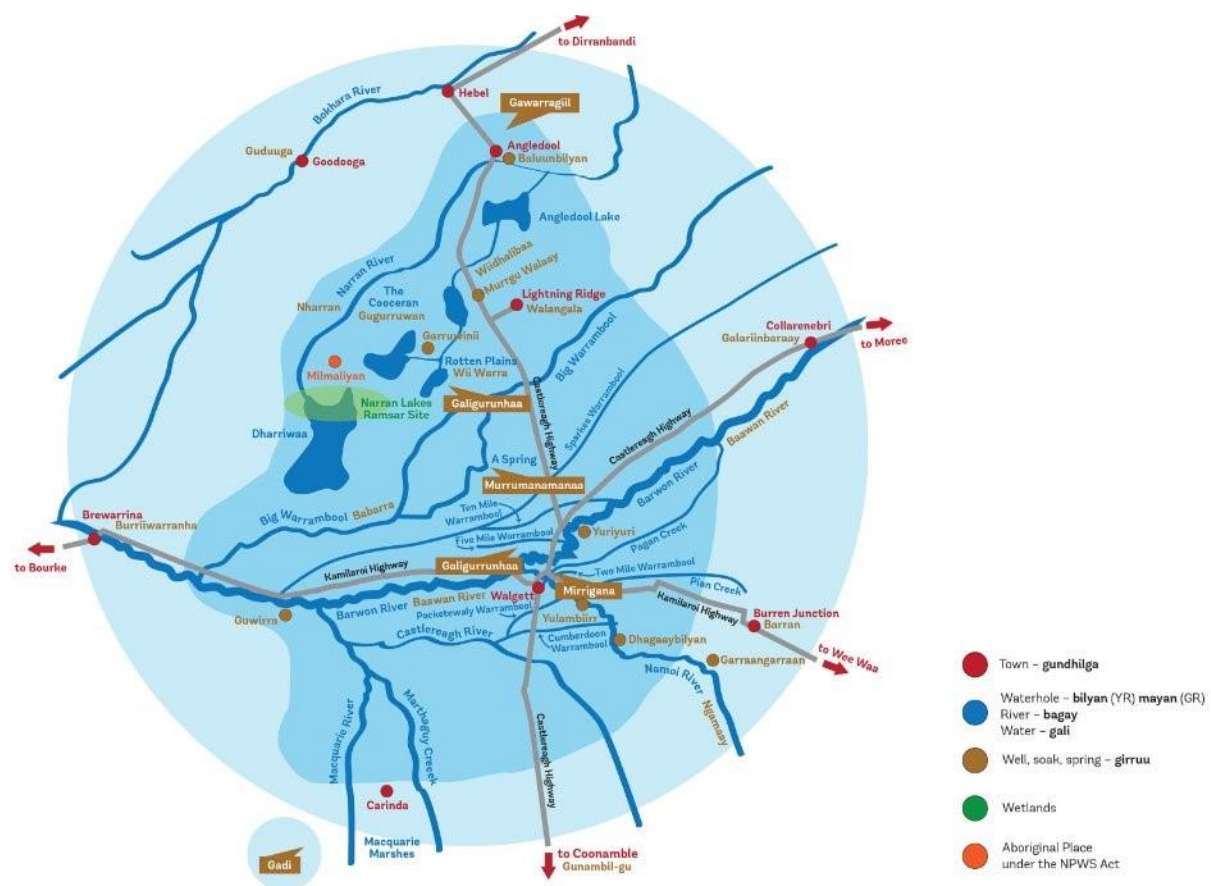
WEEKLY WATER QUALITY MONITORING REPORT

Friday 21st March 2025

Introduction

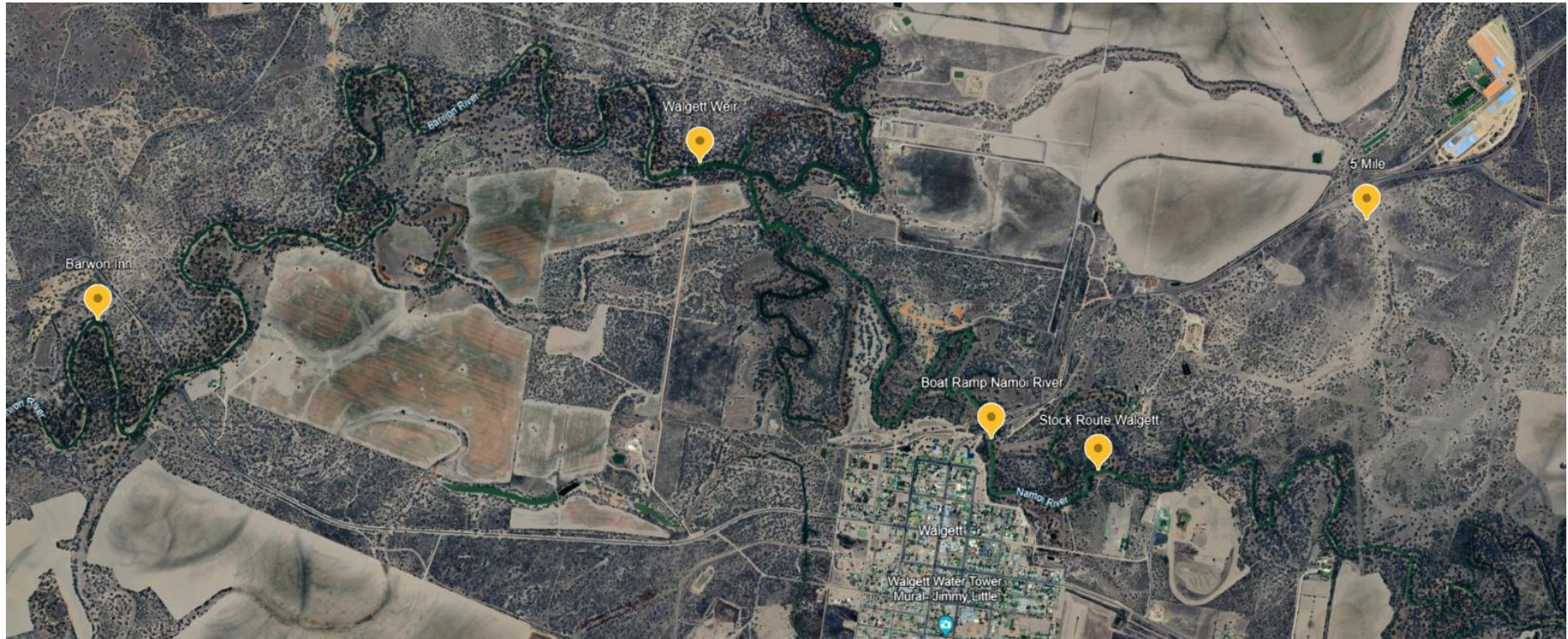
This data was collected on Friday 21st March 2025 between 10am and 1pm on the Ngamaay (Namoi) and Baawan (Barwon) River.

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.

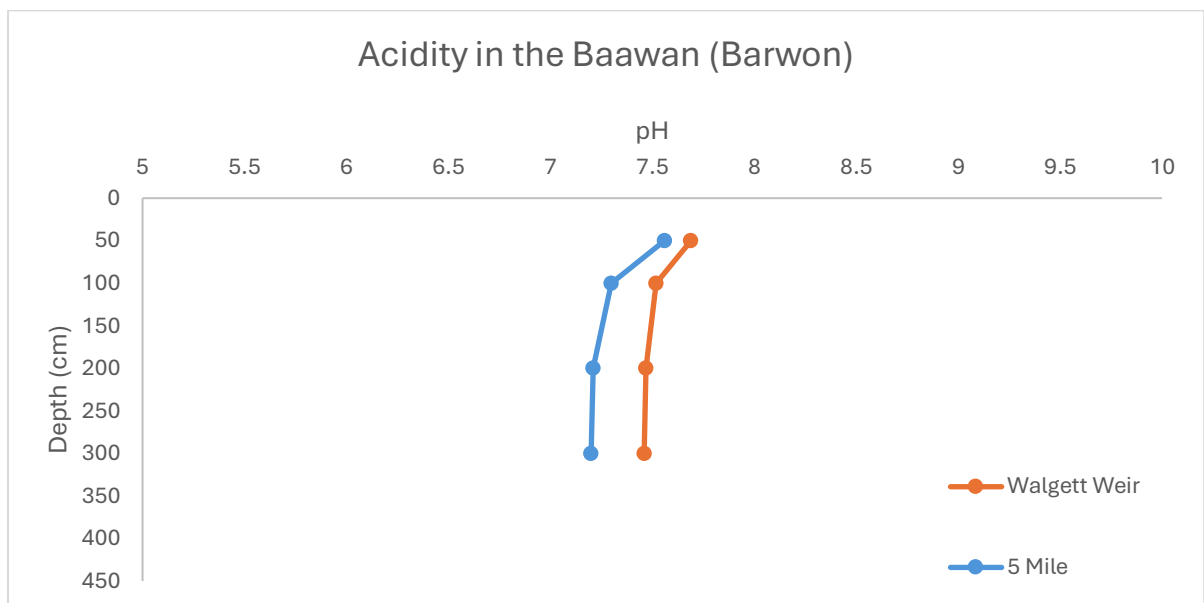
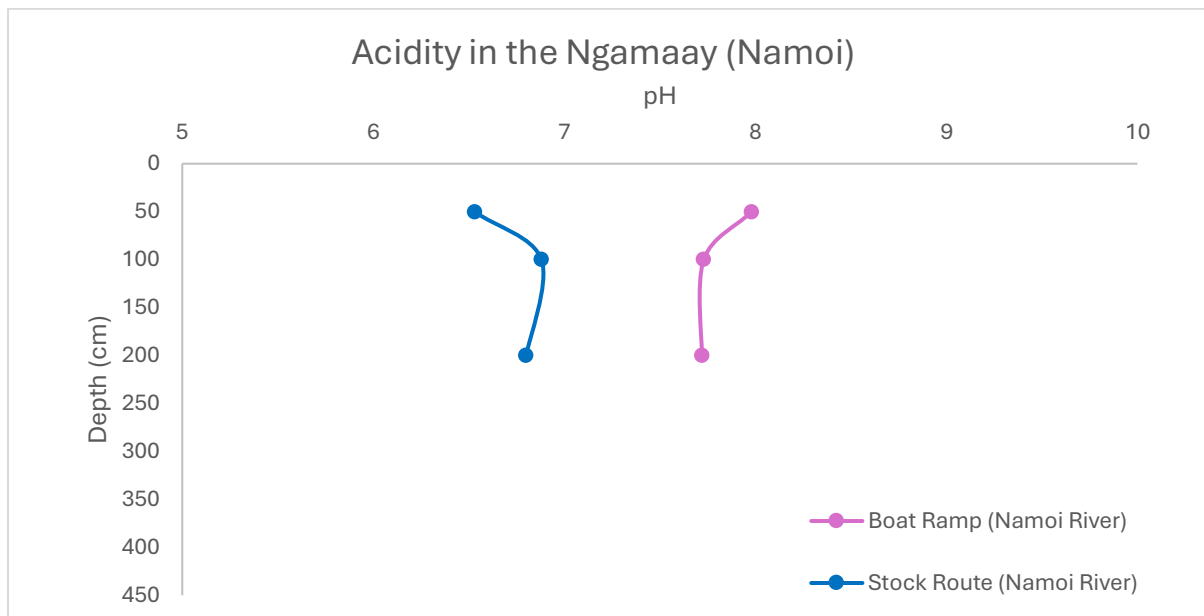


(Picture: Dharriwaa Elders Group area of interest)

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



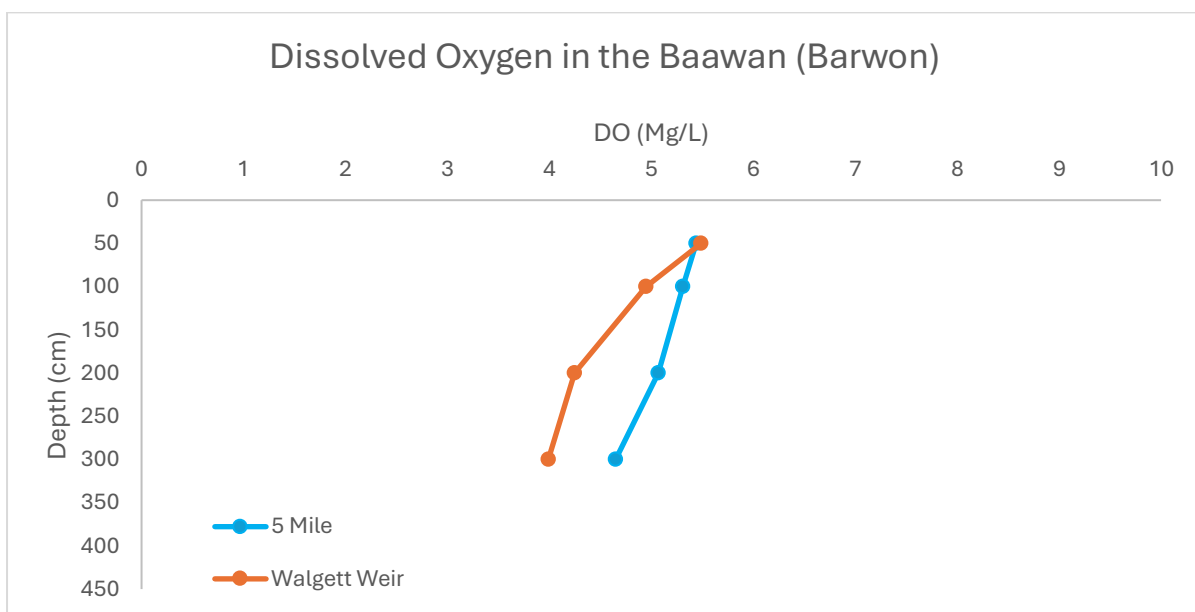
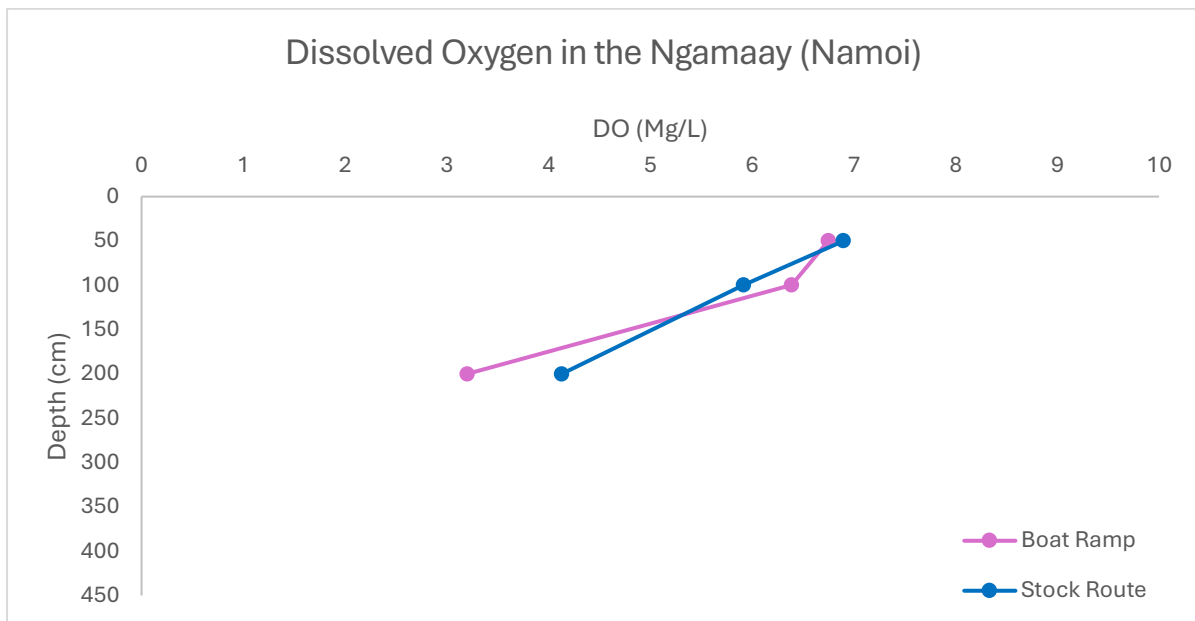
Acidity in the Ngamaay and Baawan Rivers



The pH readings at all sites on the Ngamaay and Baawan Rivers are within a healthy range.

Healthy range: 6.5 - 8.5 pH

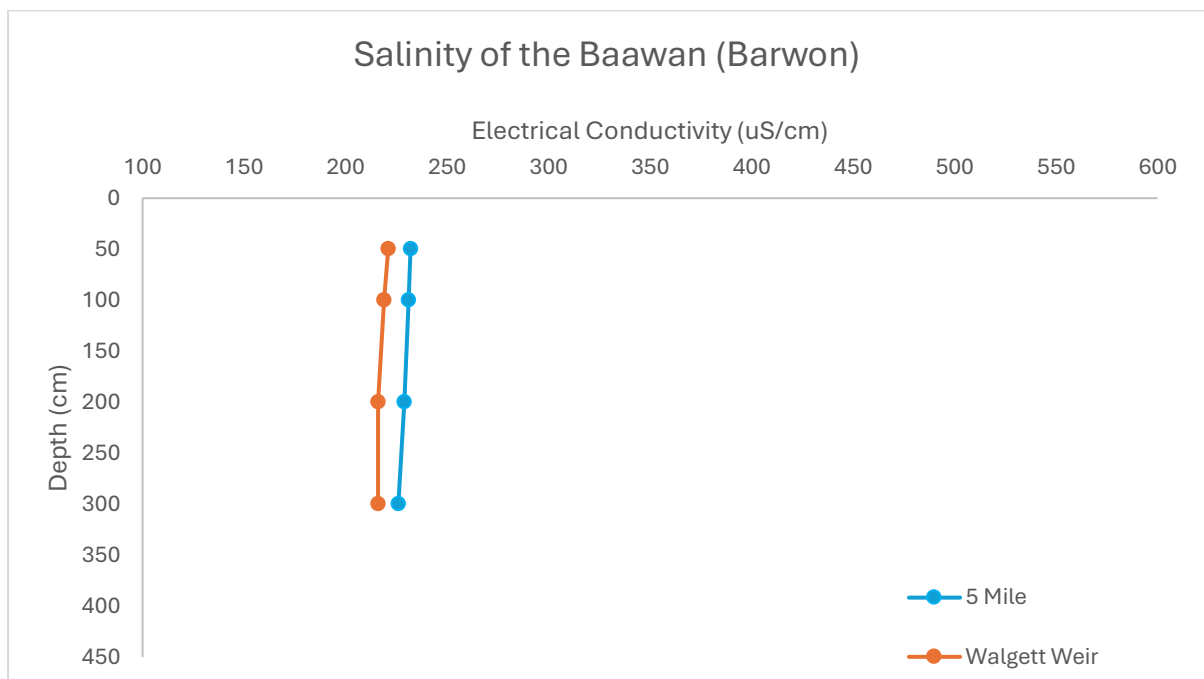
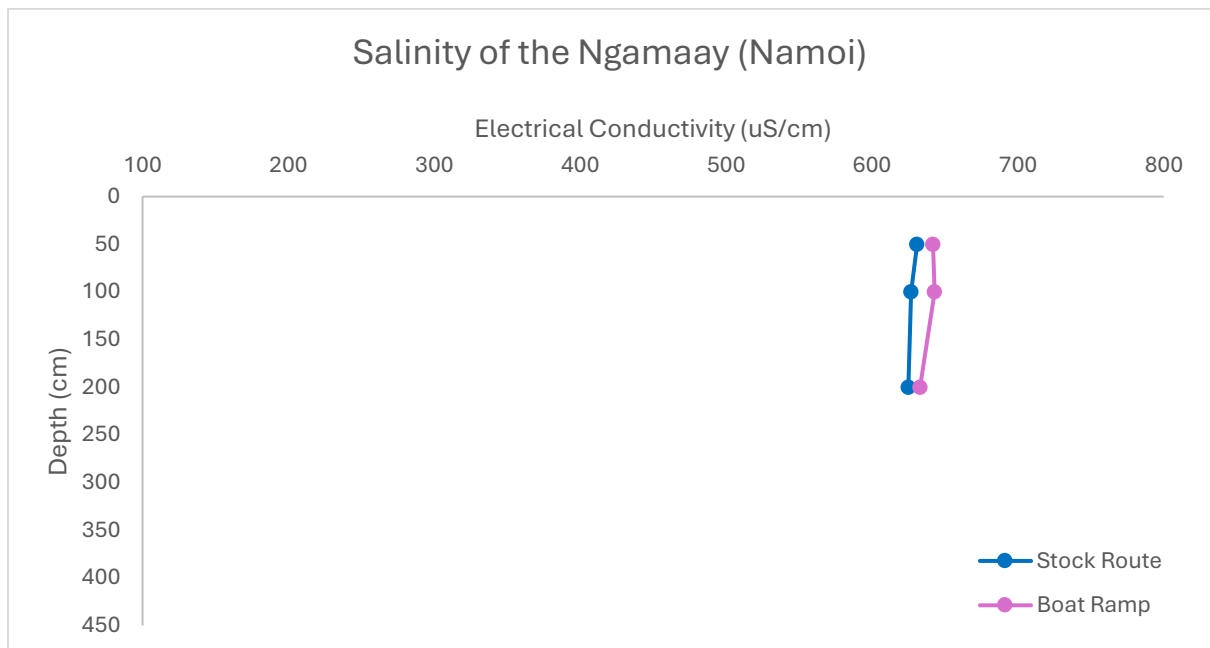
Dissolved Oxygen in the Ngamaay and Baawan Rivers



The last readings at the Boat Ramp (Ngamaay River) and the Walgett Weir (Bawaan River) are within the dangerous level for fish. The two first readings at the Boat Ramp (Ngamaay River) are within the healthy range. The first reading at the Stock Route (Ngamaay River) is within the healthy range but the rest of the readings are within an okay range. The pH readings at the 5 Mile and Walgett Weir (Baawan River) are outside the healthy range but are within an okay range.

Healthy range: 6.5 - 8.5 pH

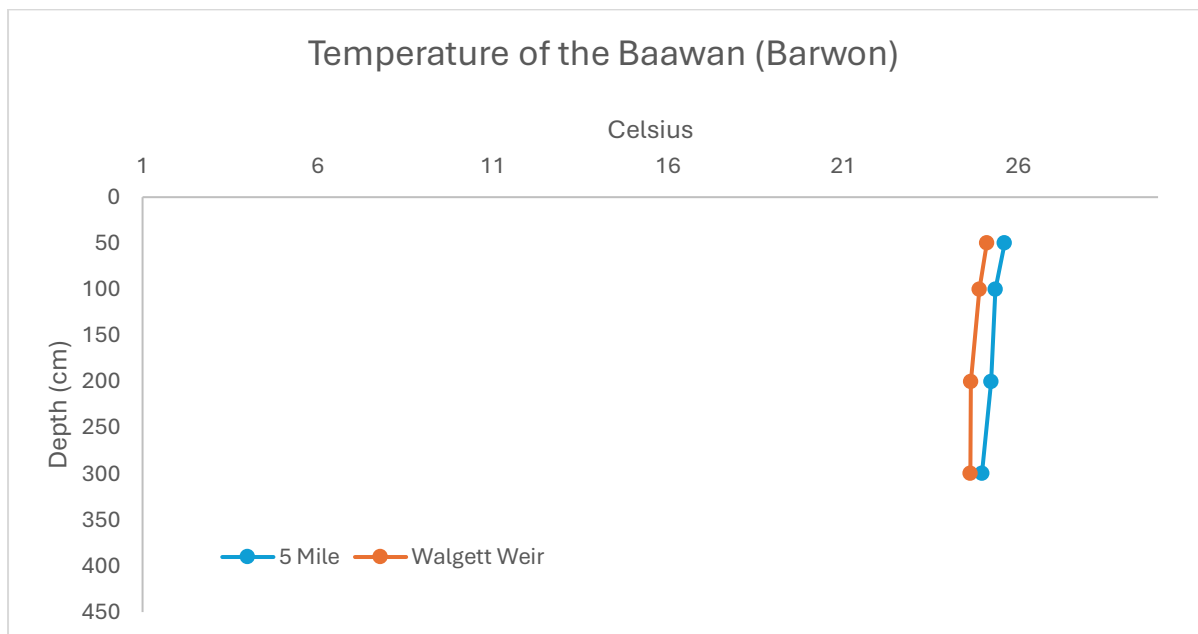
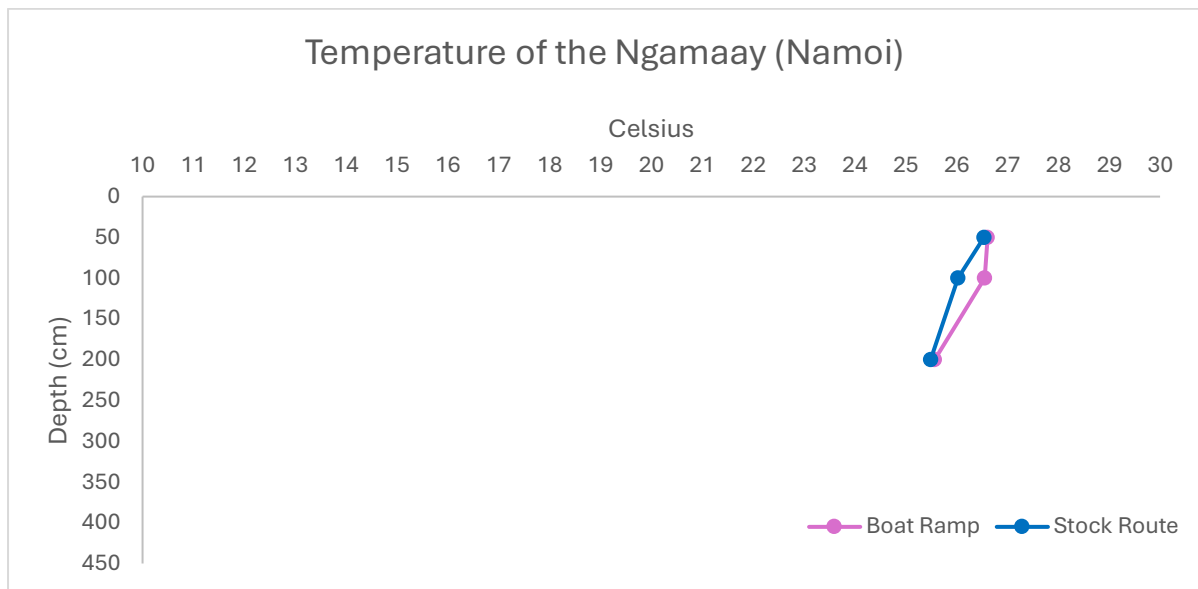
Salinity in the Ngamaay and Baawan Rivers



The salinity at all sites is within a healthy range on both the Ngamaay and Baawan Rivers. This is good for freshwater fish.

Healthy Range: 125 - 2,200 uS/cm

Temperature in the Ngamaay and Baawan Rivers



The temperature at all sites at all depths are within a healthy range on both the Ngamaay and Baawan Rivers.

Healthy Range: 18-28 degrees (Celsius)

Conclusion

The pH, salinity and temperature at all sites and depths on both the Ngamaay and Baawan Rivers is within a healthy range.

With the dissolved oxygen there are a few readings where they are in the healthy range or within a dangerous range. But majority of the readings are within an okay range. The Rangers will be monitoring for fish kills given that the dissolved oxygen have been low in the past few weeks.