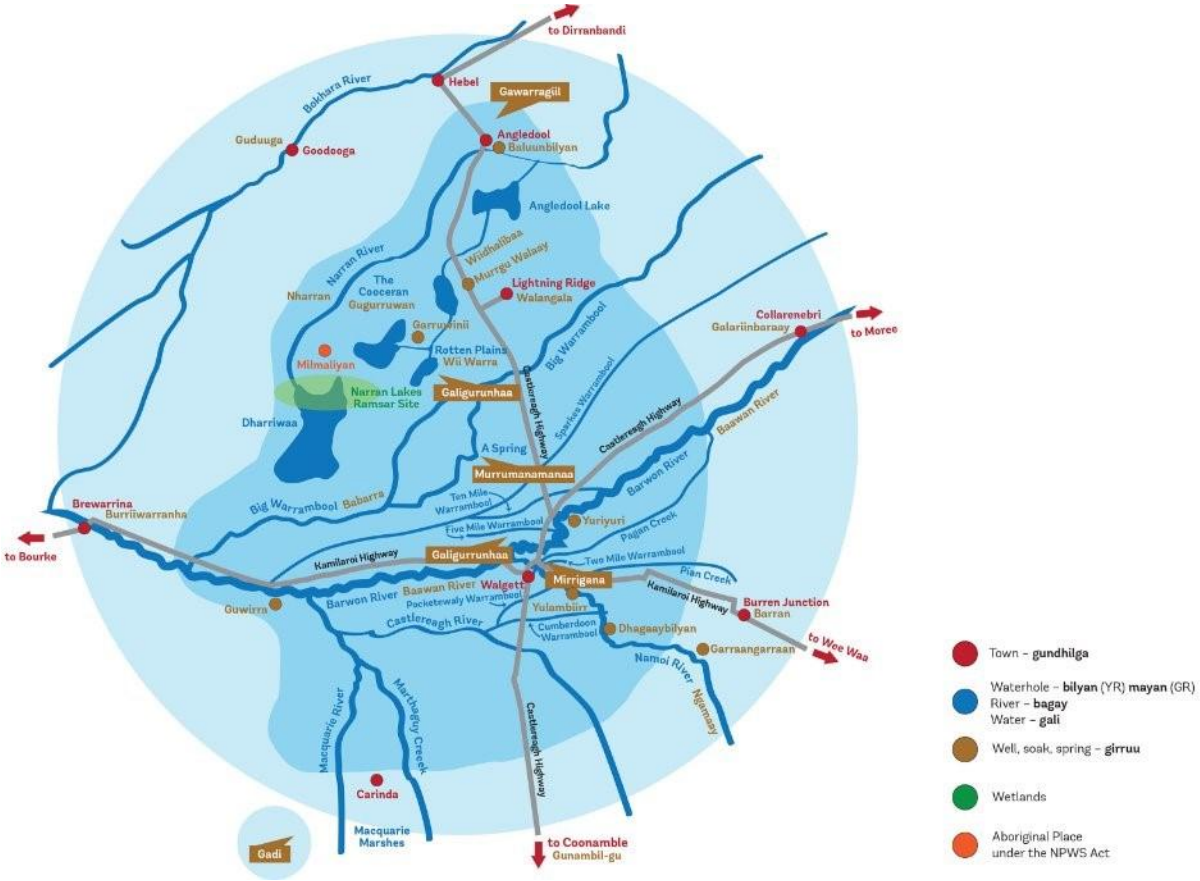
Weekly Water Monitoring Report

30th September 2025

Introduction

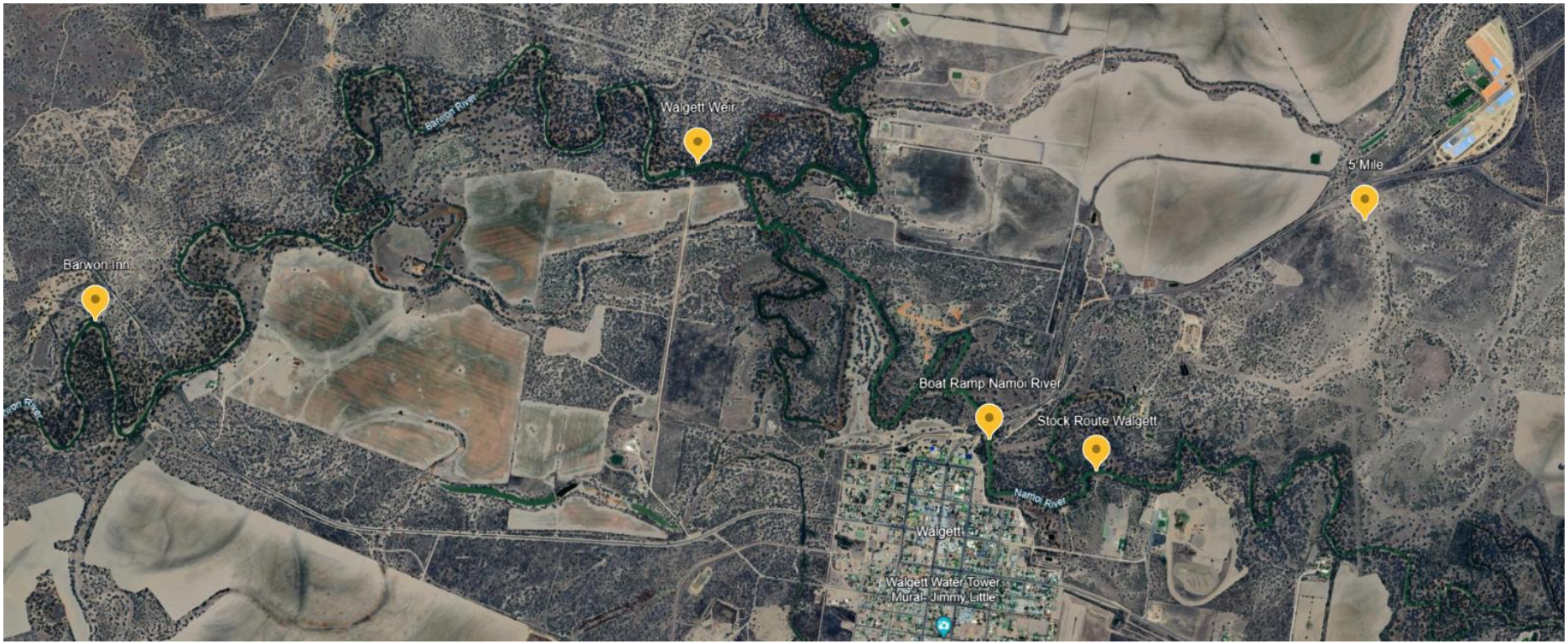
This data was collected on Tuesday 11th February between 10am and 1pm on the Ngamaay (Namoi) and Baawan (Barwon) River.

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.

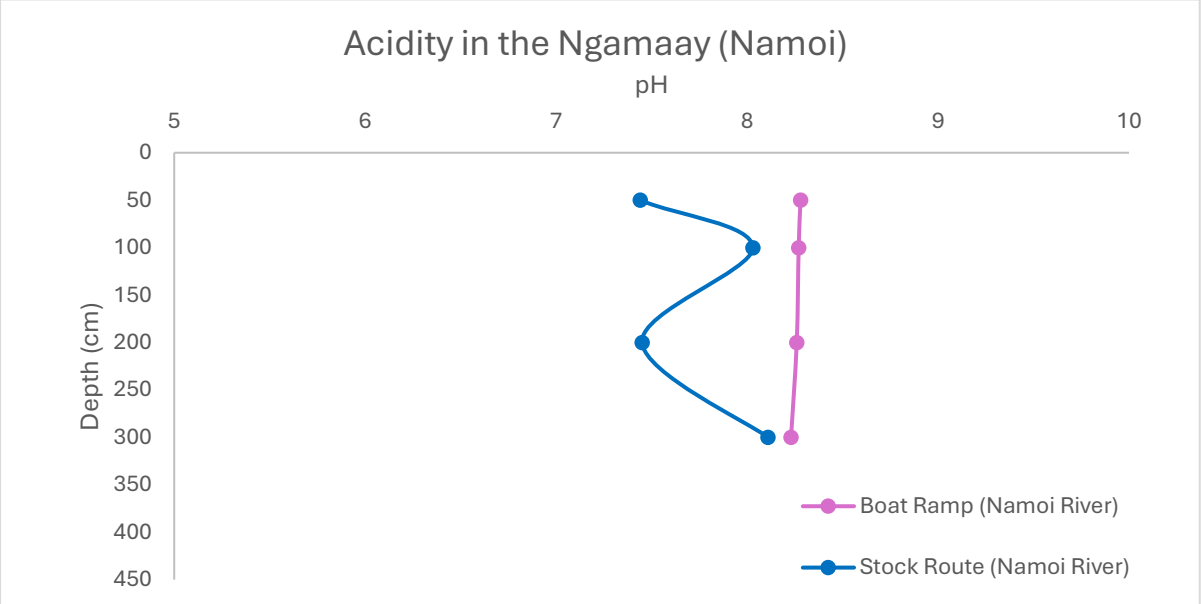


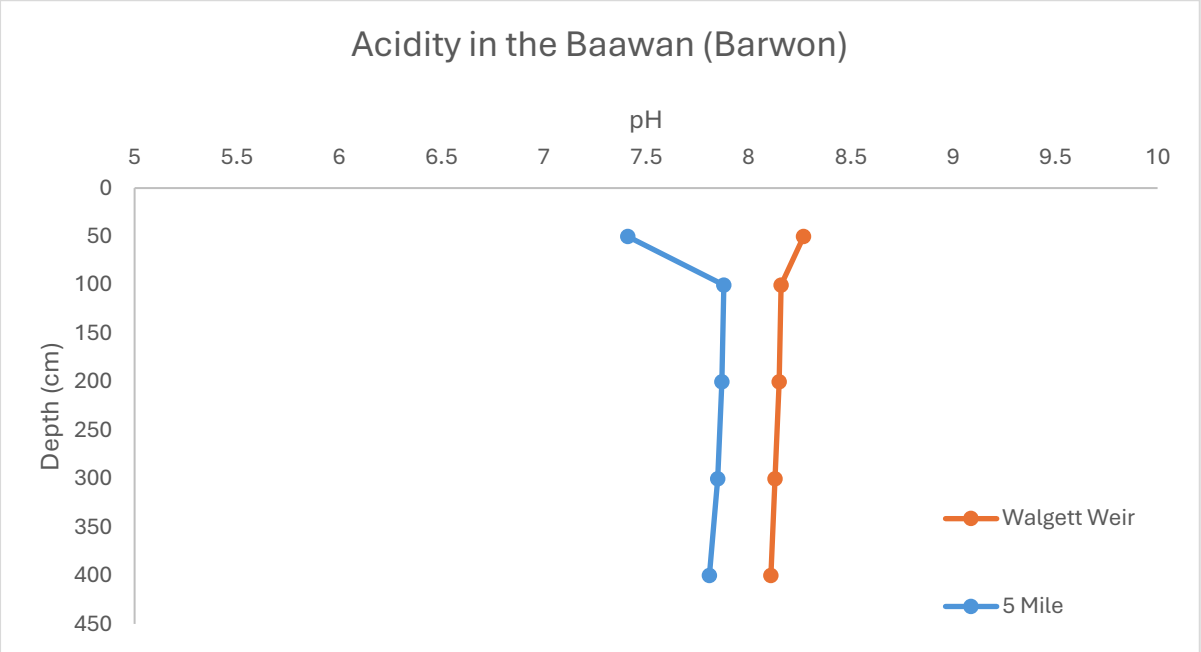
(Picture: Dharriwaa Elders Group area of interest)

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

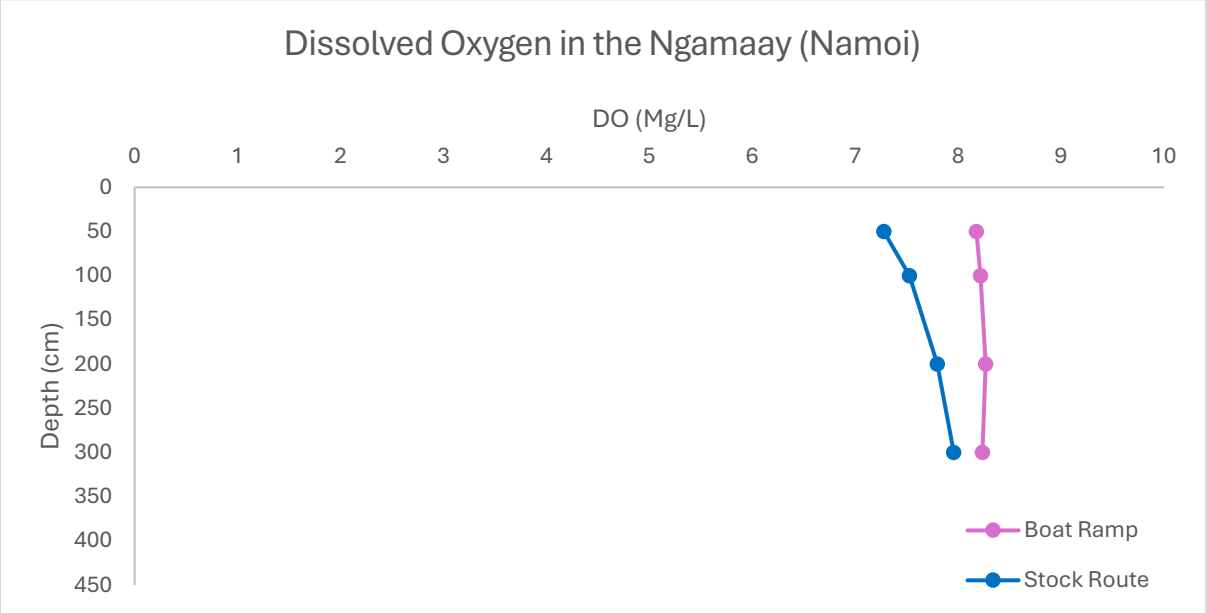


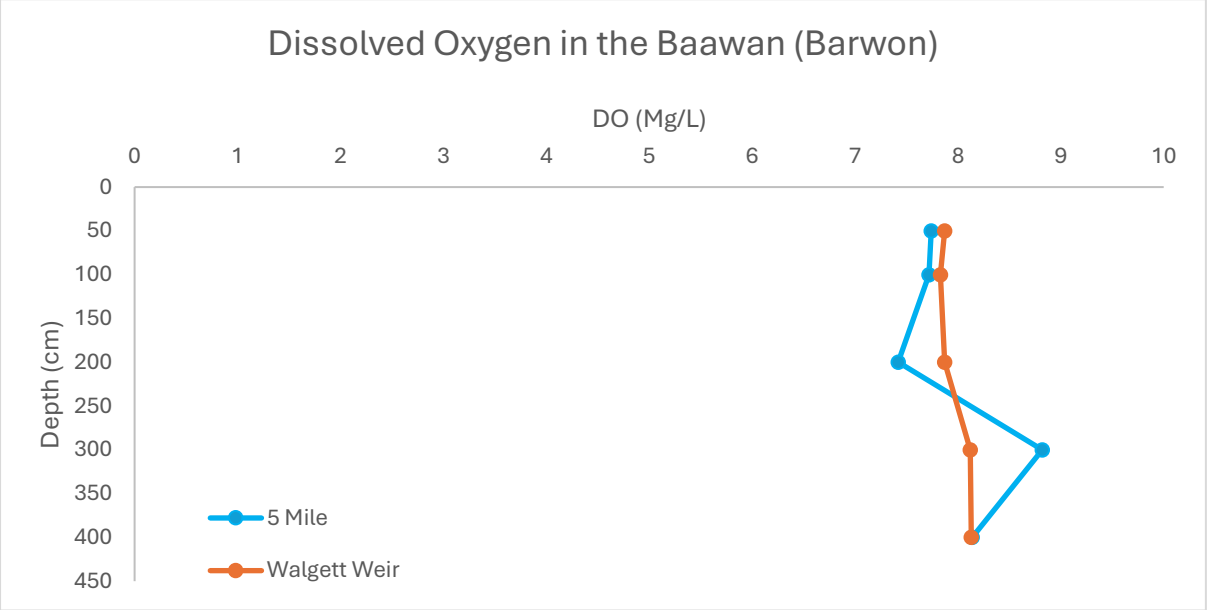


The pH in both the Ngamaay and Baawan Rivers are within the healthy range. The maximum reading is 8.28 and the minimum reading is 7.41.

Healthy range: 6.5 - 8.5 pH

Dissolved Oxygen in the Ngamaay and Baawan Rivers

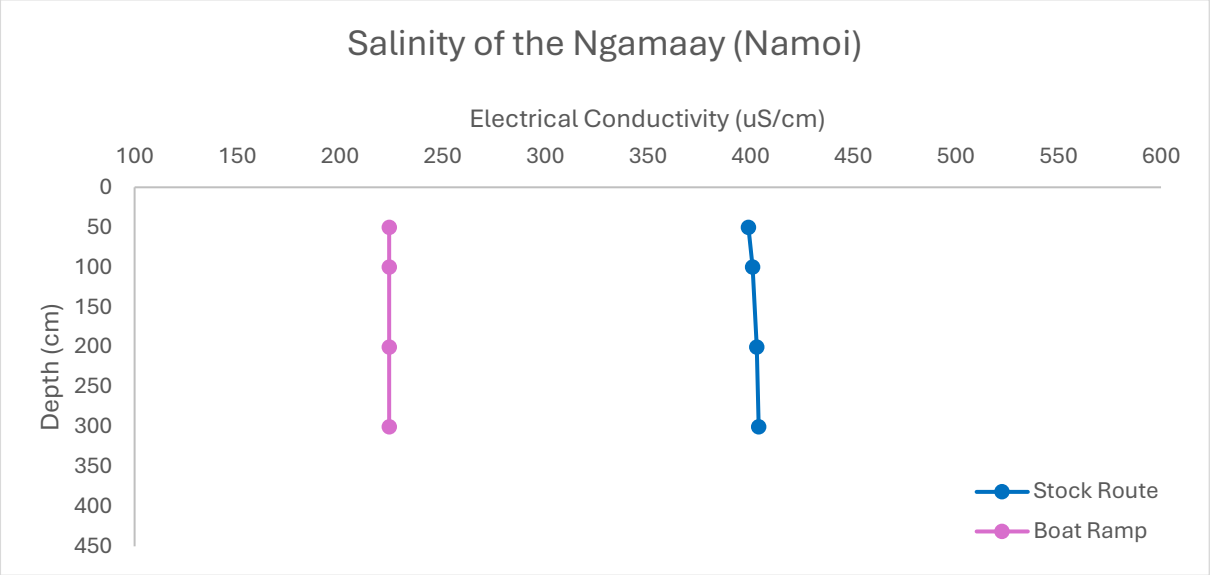


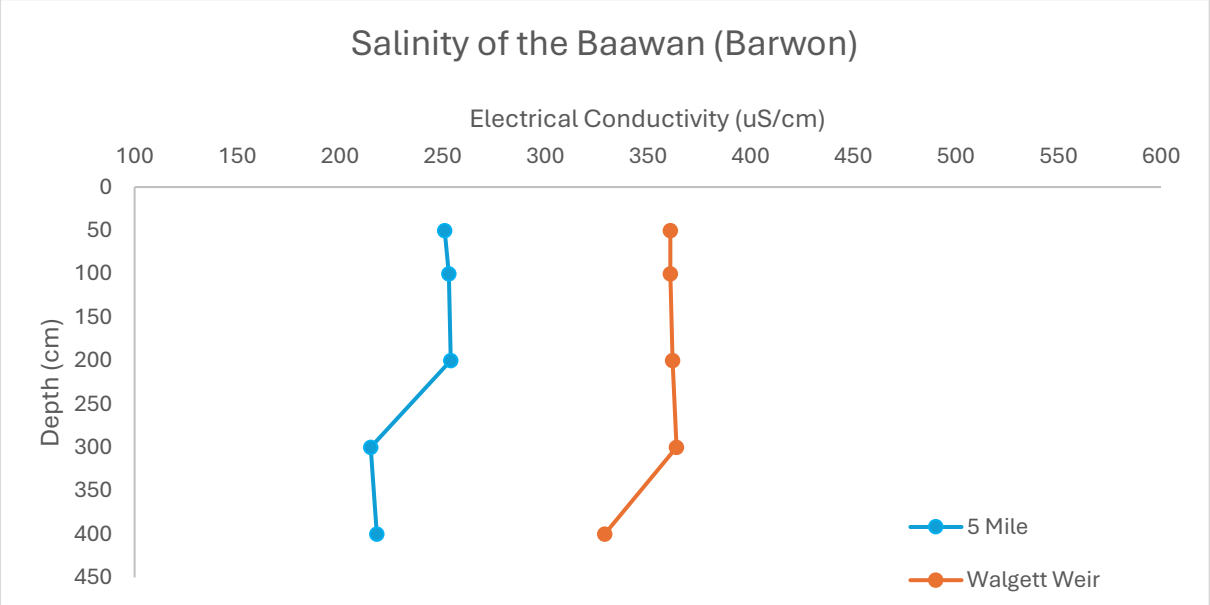


The dissolved oxygen is within the healthy range at the Stock Route (Ngamaay River), at the Boat Ramp (Ngamaay River) the readings are just outside the healthy range. The first three readings at both sites in the Baawan River are within the healthy range, the two last readings at both sites are just outside the healthy range.

Healthy Range: 6 - 8 (Mg/L)

Salinity in the Ngamaay and Baawan Rivers

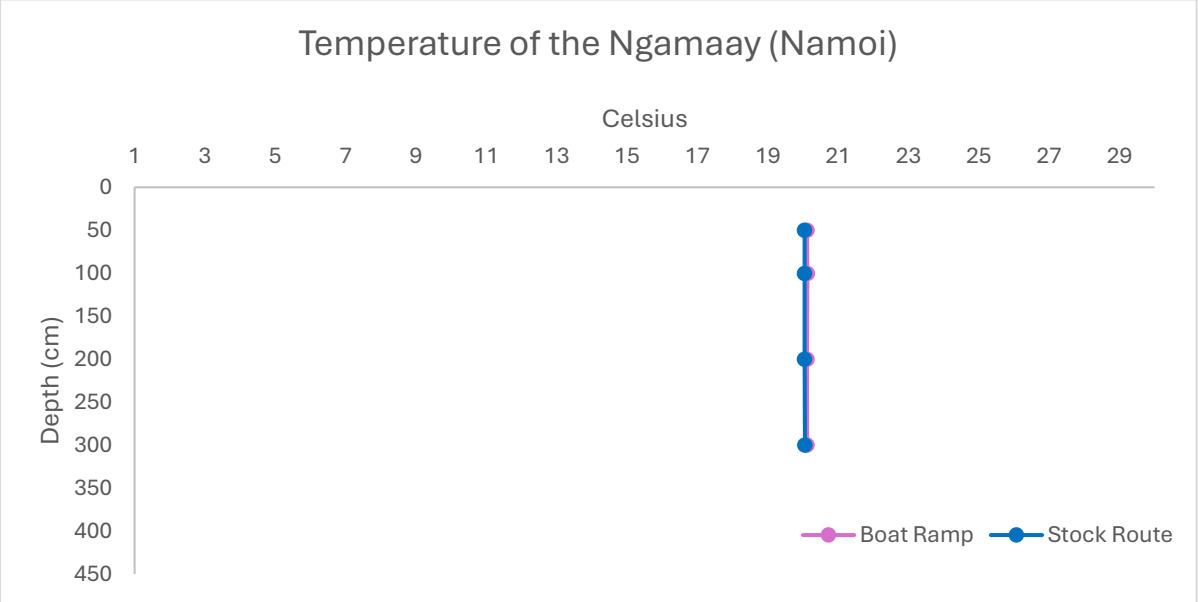


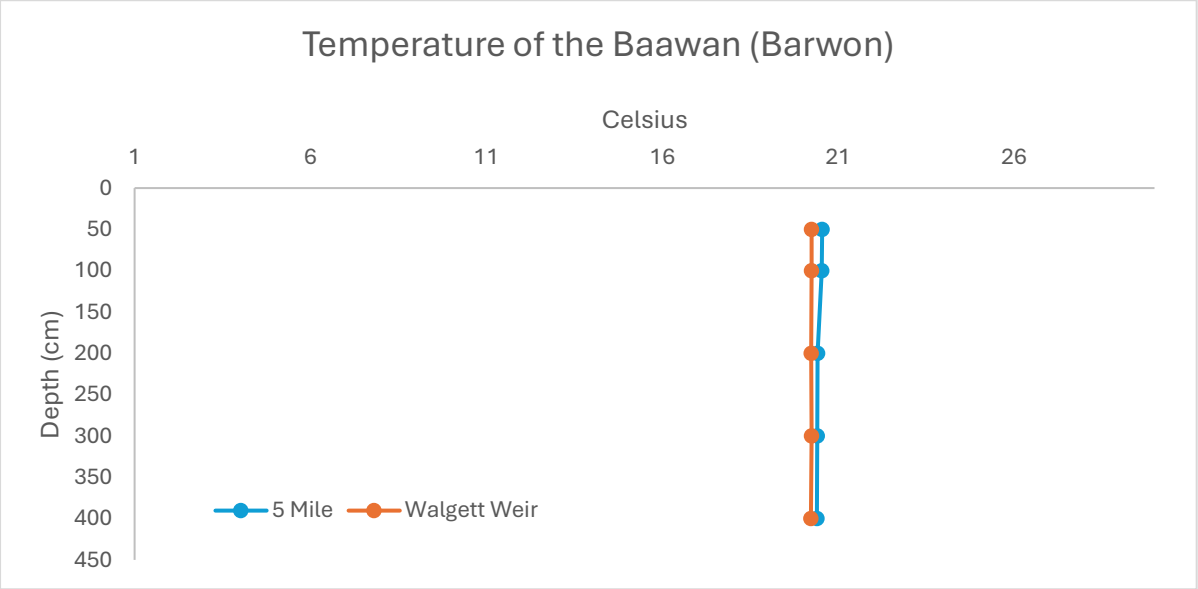


The salinity in the Ngamaay and Baawan Rivers are within a healthy range. This is good for the freshwater fish. The maximum reading is 404 and the minimum reading is 215.

Healthy Range: 125 - 2,200 uS/cm

Temperature in the Ngamaay and Baawan Rivers





The temperature in both the Ngamaay and Baawan Rivers are within the healthy range. The maximum reading is 20.55 and the minimum reading is 20.05.

Healthy Range: 18-28 degrees (Celsius)

Conclusion

The pH, salinity and temperature in both the Ngamaay and Baawan Rivers are all within the healthy range. Majority of the dissolved oxygen is within the healthy range; this is good the aquatic life in the rivers.