



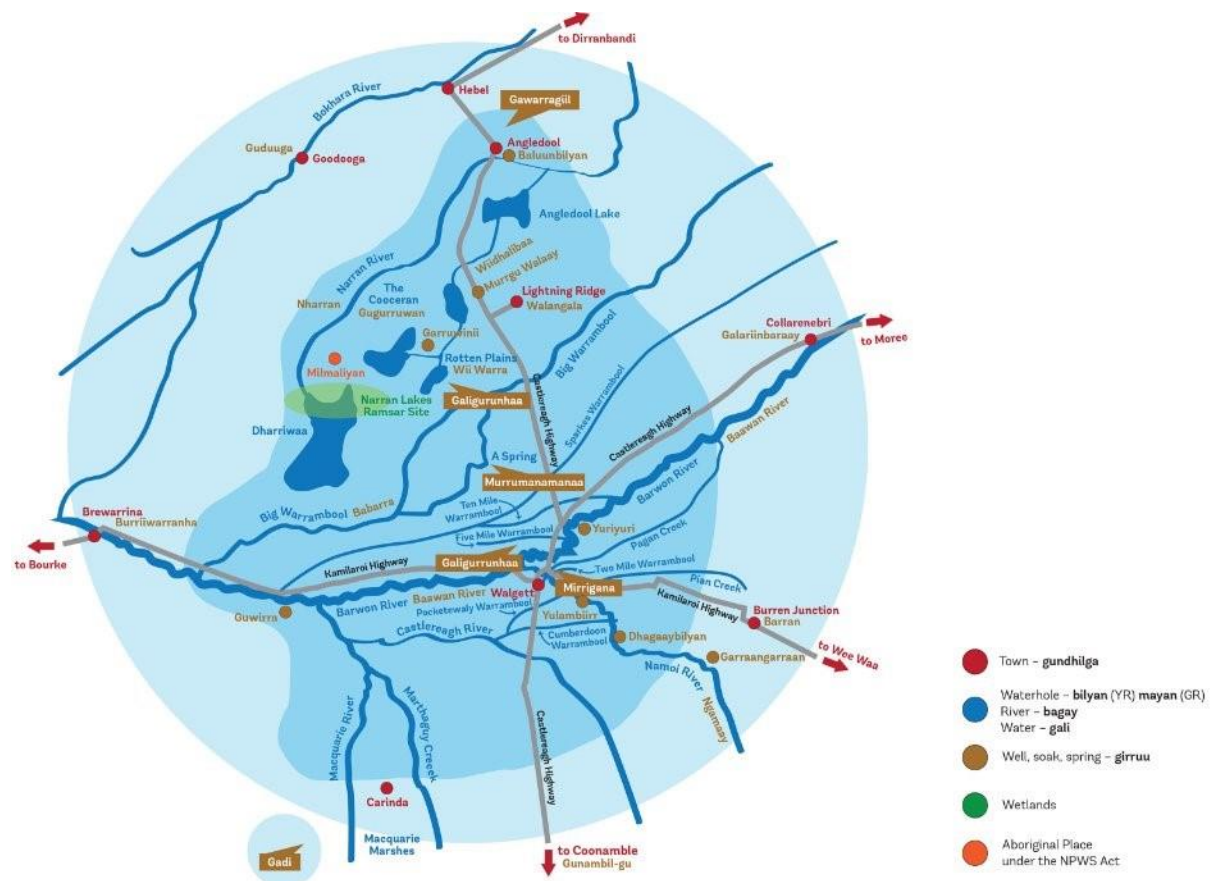
Weekly Water Monitoring Report

08/08/2025

Introduction

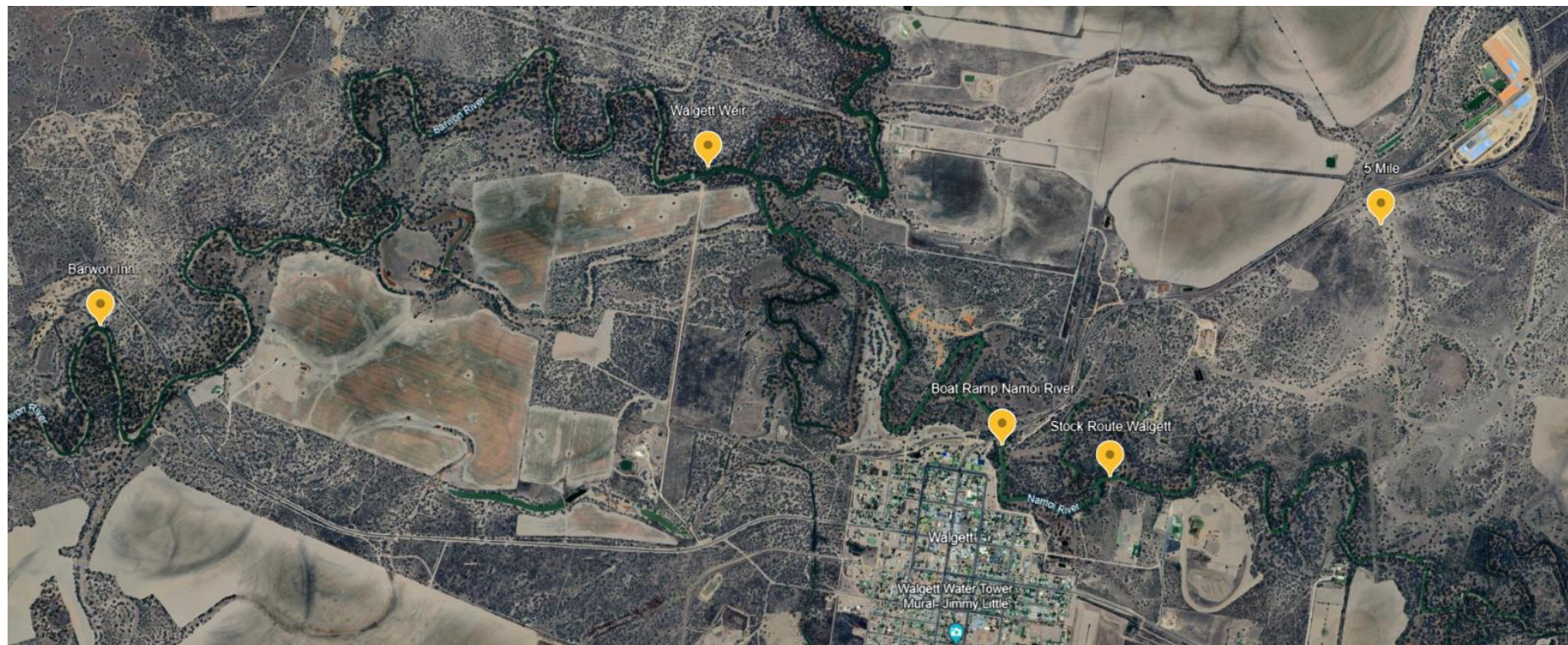
This data was collected on Friday 8th August between 10am and 1pm on the Ngamaay (Namoi) and Baawan (Barwon) River.

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.

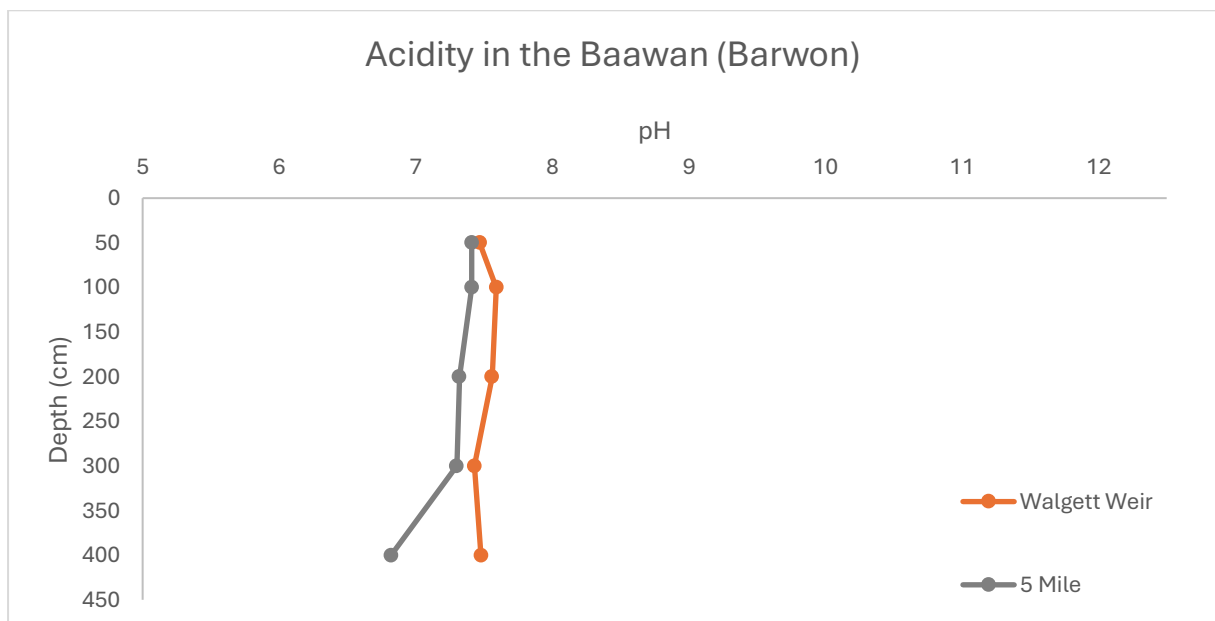
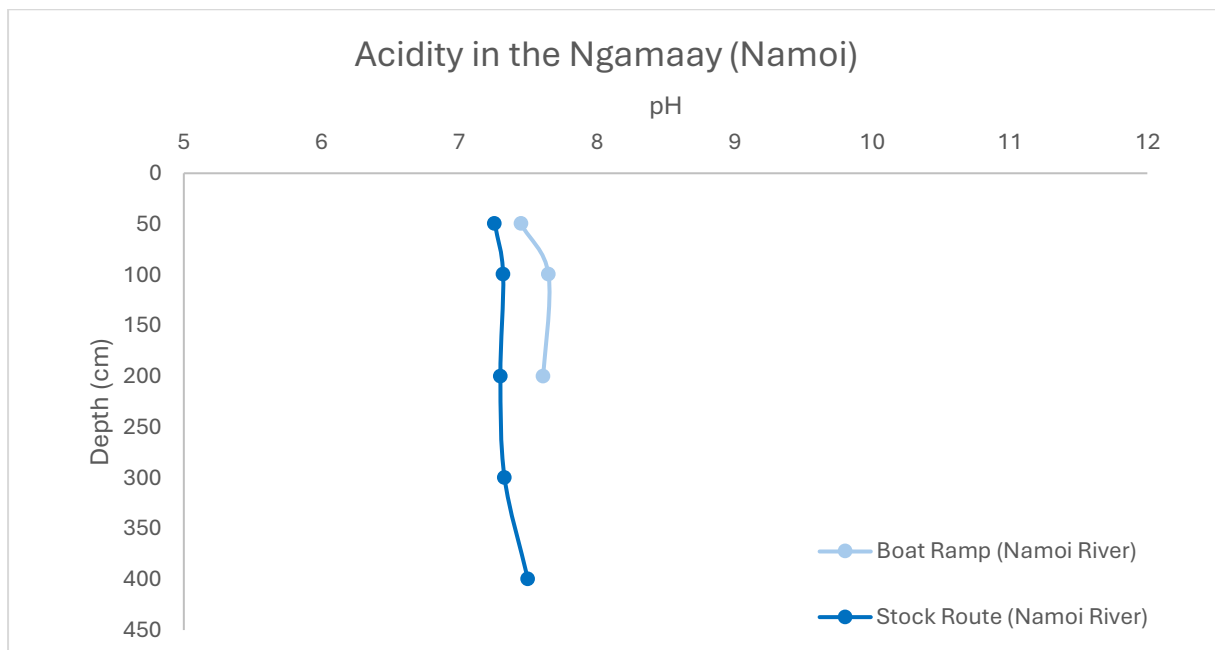


(Picture: Dharriwaa Elders Group area of interest)

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



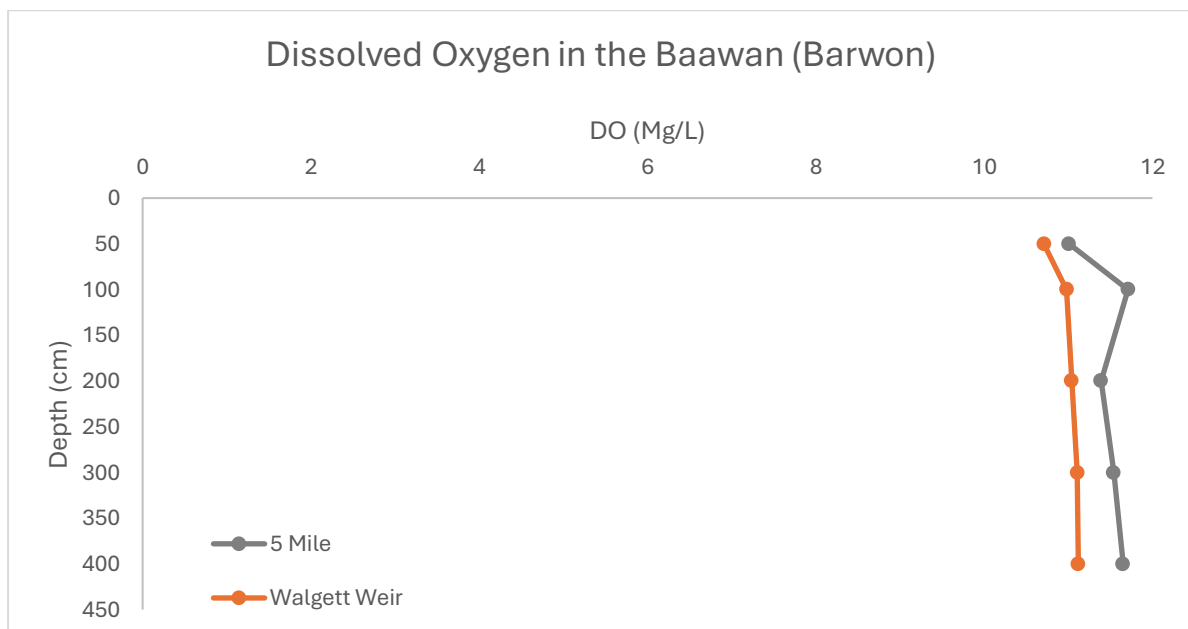
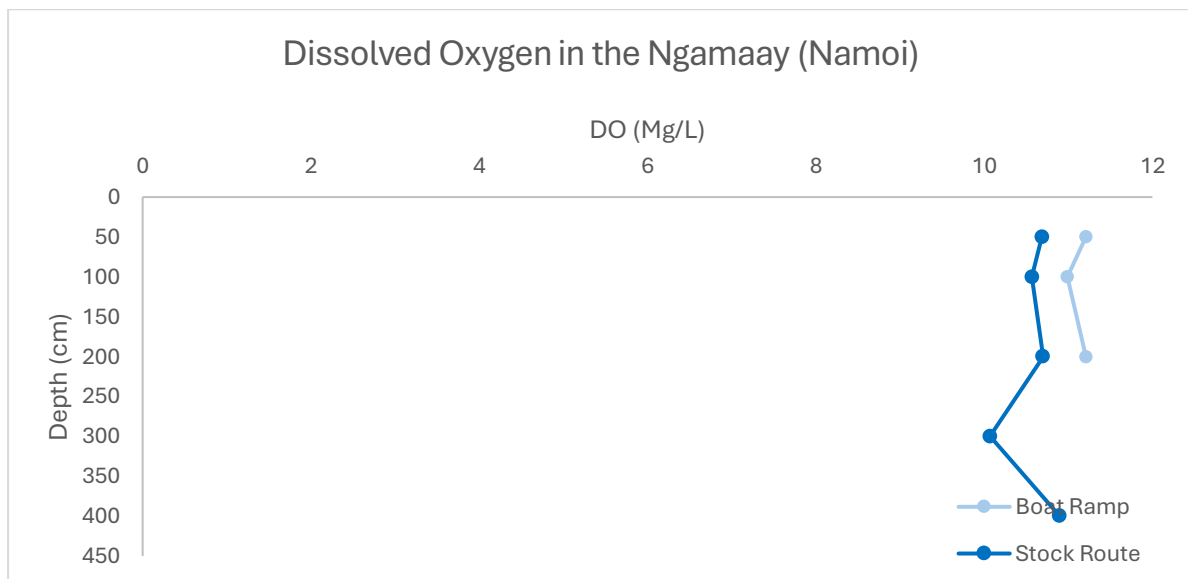
Acidity in the Ngamaay and Baawan Rivers



The pH readings are all within the healthy range. This is an improvement from the testing on the 28th July, where some results were too low and some were too high. These readings are good for freshwater fish. The minimum reading is 6.82 and the maximum reading was 7.65.

Healthy range: 6.5 - 8.5 pH

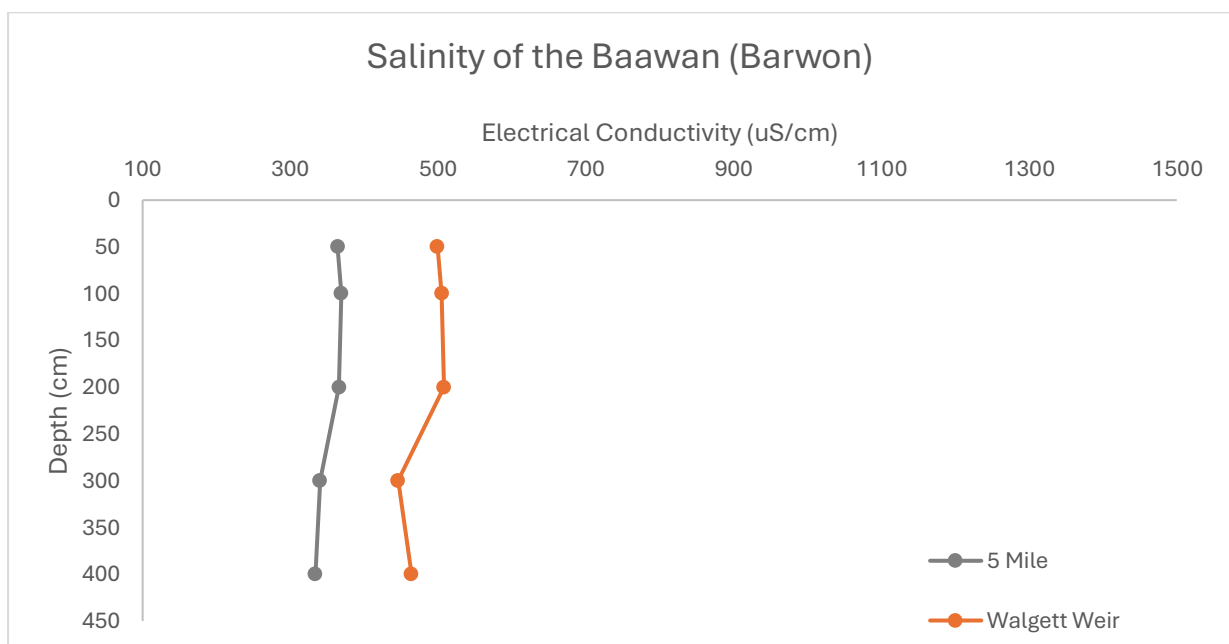
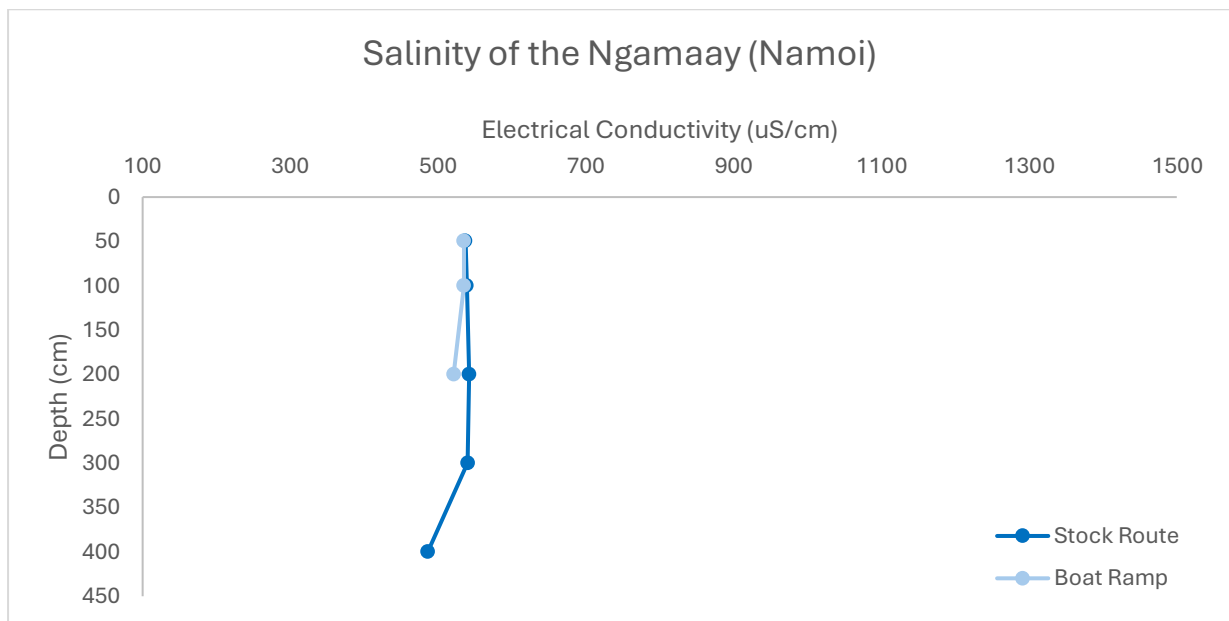
Dissolved Oxygen in the Ngamaay and Baawan Rivers



The dissolved oxygen readings are high but this may be typical for the time of year, as dissolved oxygen can be higher in colder weather. The readings are similar to the previous test results. The minimum reading is 10.07 and the maximum reading is 11.71.

Healthy Range: 6 - 8 (Mg/L)

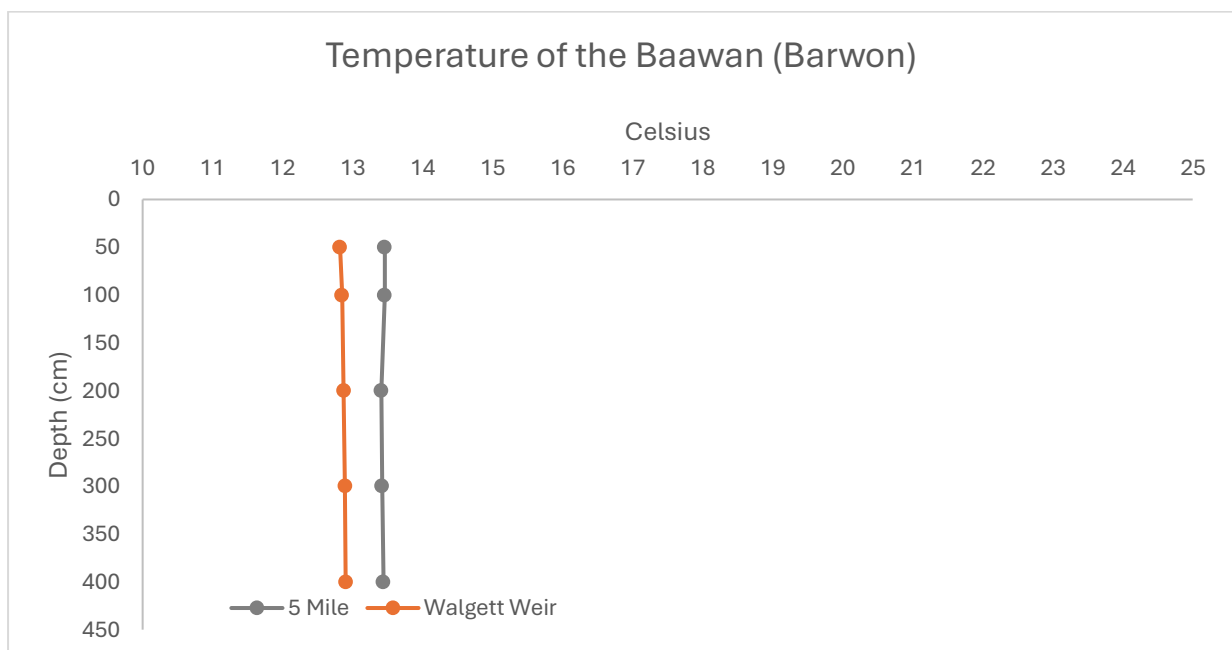
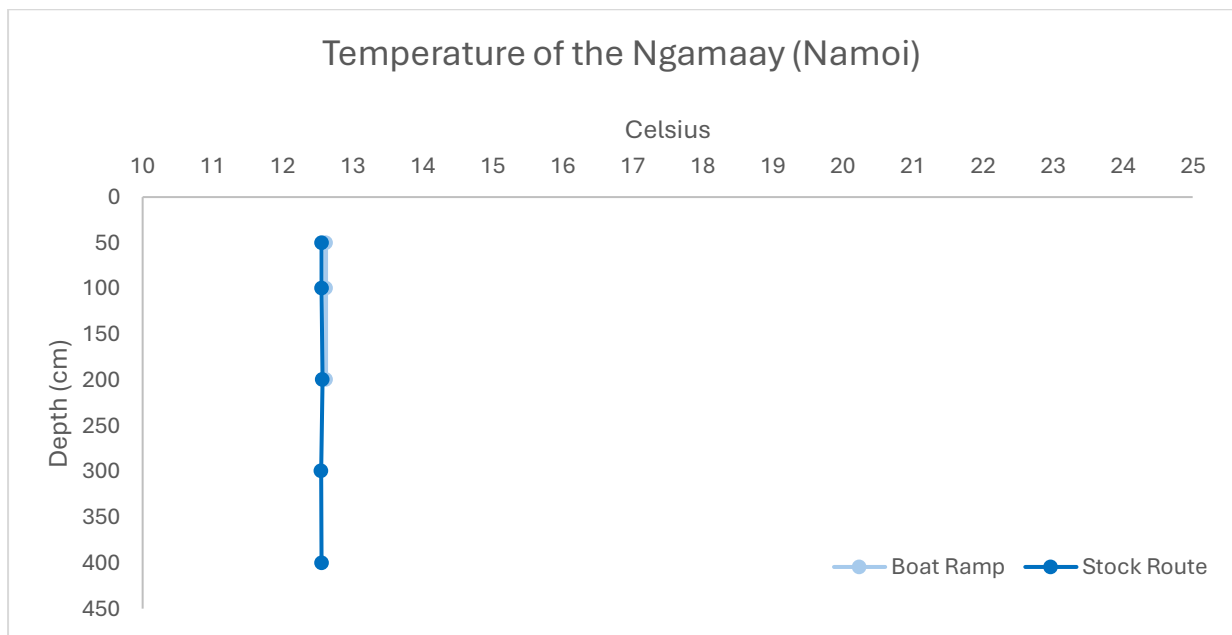
Salinity in the Ngamaay and Baawan Rivers



The salinity levels in both rivers are within the healthy range. This is good for freshwater fish. The minimum reading is 334 and the maximum reading is 542.

Healthy Range: 125 - 2,200 uS/cm

Temperature in the Ngamaay and Baawan Rivers



The temperatures at both rivers are very low, but this is typical for the time of year that these tests are taken. They have increased since the last round of testing on the 28th July. The minimum reading is 12.55 and the maximum reading is 13.46.

Healthy Range: 18-28 degrees

Conclusion

The pH is back within the healthy range which is good for freshwater fish. These results have improved from the last round of testing.

The dissolved oxygen levels are quite high, but this may be typical for the time of year.

The salinity levels are within the healthy range.

The temperatures at all sites are low but higher than they were in the previous round of testing. These temperatures are typical of the time of year the testing was done.