

Djarlgarro

Canning waterway

Weekly water quality report
4 August 2026

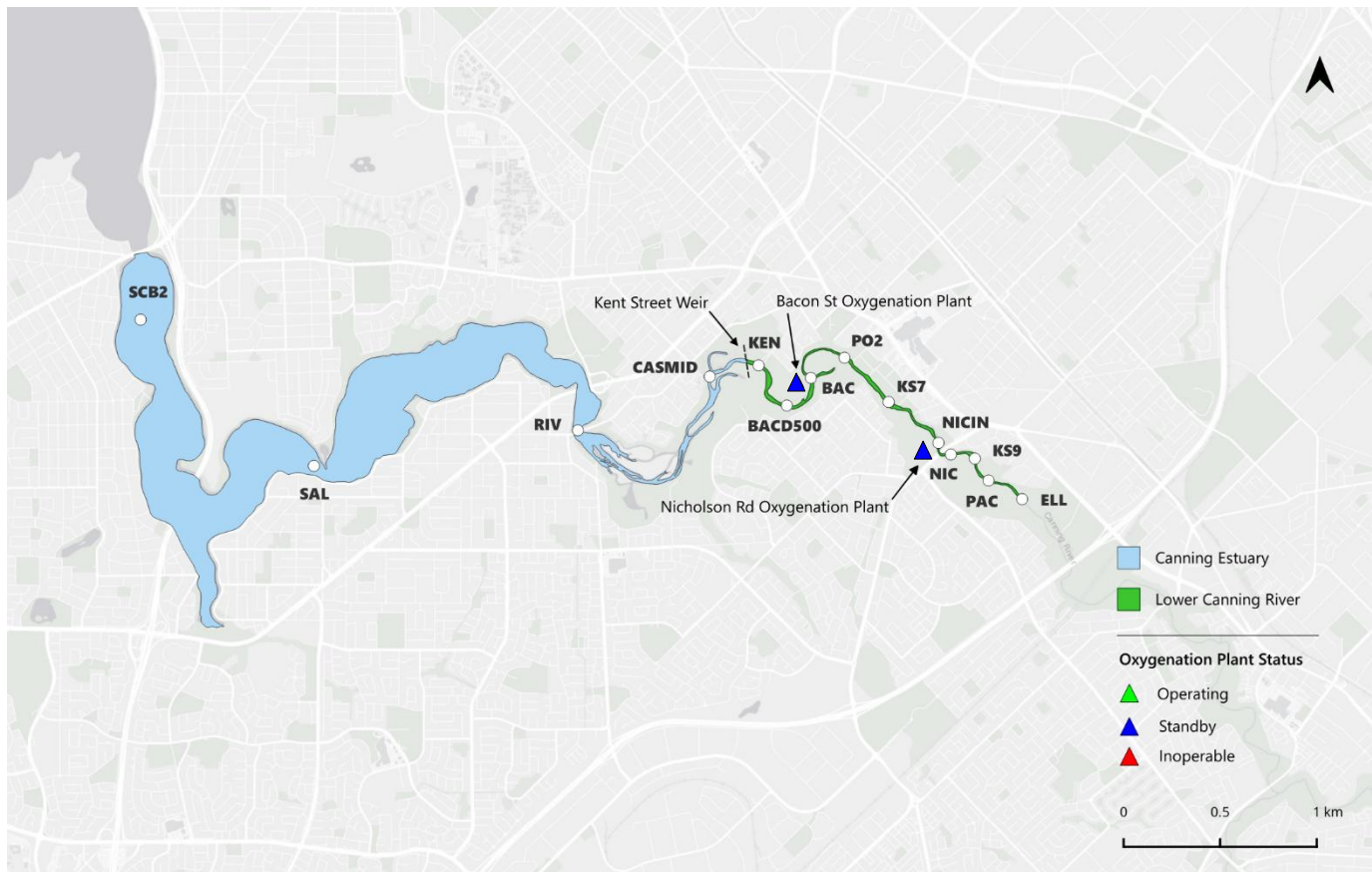
Monitoring conducted on Whadjuk Noongar Country

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Photo – DBCA

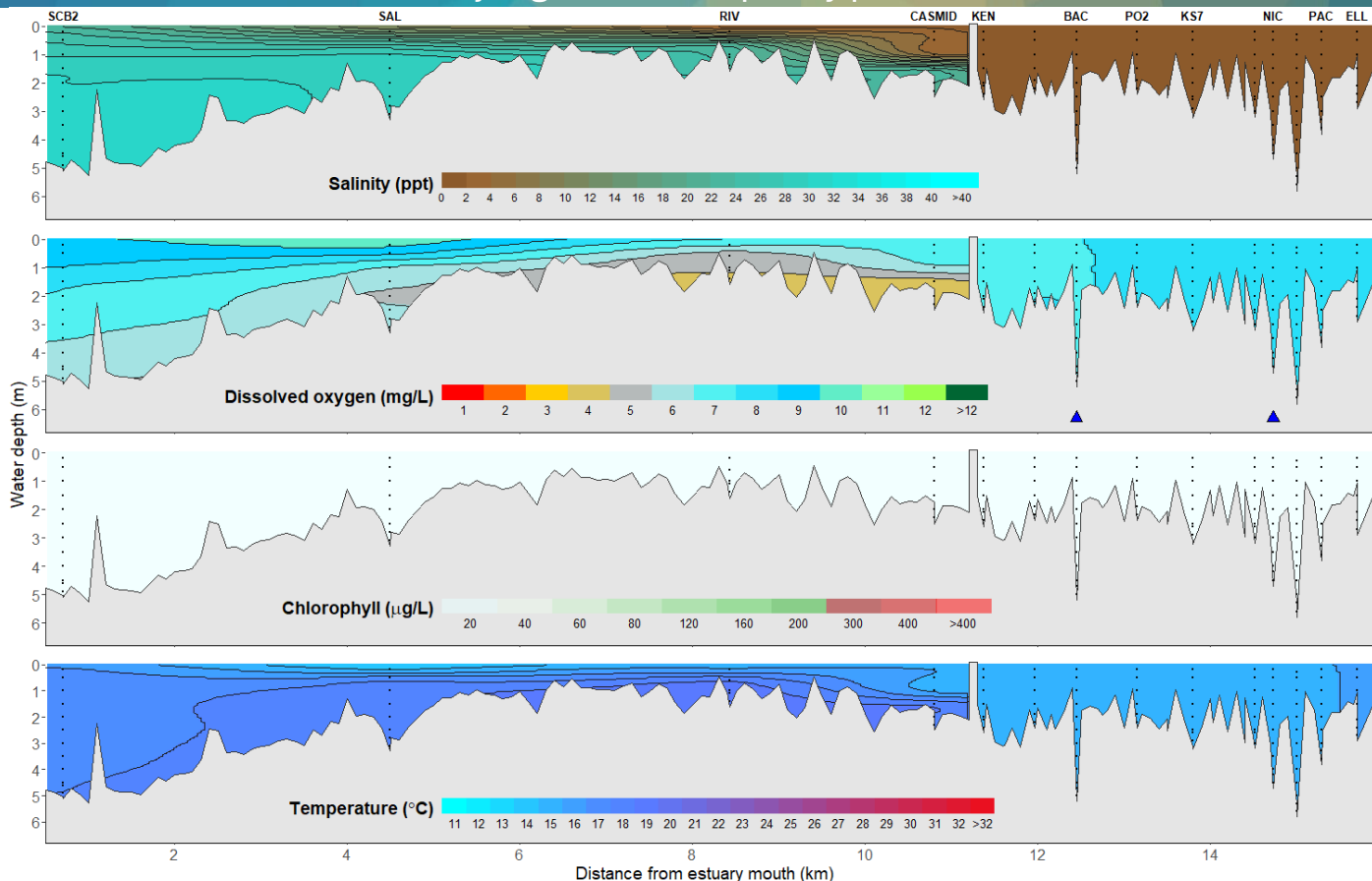
Djarlgarro water quality monitoring sites

4 August 2026



Djarlgarro water quality profile

4 August 2026



Note: Profile plots are visual interpolations of measured parameters only. Detailed data are available at wir.water.wa.gov.au.

Djarlgarro water quality summary

4 August 2026

Canning Estuary: Freshwater influence from riverine flow has created stratified conditions in the estuary. Salinity ranged from euhaline in the bottom waters of SCB2, to oligohaline in the surface waters of CASMID. At RIV and CASMID, where stratification was most prominent, bottom waters had low oxygen. Waters elsewhere were oxygenated or well oxygenated. Chlorophyll fluorescence was low throughout, and water temperatures ranged from 14.1 to 18.7 °C.

Lower Canning River: The river was flowing and conditions were fresh with well oxygenated waters and low chlorophyll fluorescence. Water temperatures ranged from 14.1 to 15.2 °C.

Season			
Djilba		First spring	
Predicted tides ¹			
High Tide		Low Tide	
1.01 m	3:14 am	0.91 m	8:57 am
0.93 m	12:50 pm		

Recorded weather conditions	
Skies	Cloudy
Wind direction	NW
Wind speed (max)	4.3 knots
Air temperature ² (max)	20 °C
Rainfall ² (in week prior)	6 mm

Definitions

Salinity (ppt)³ – fresh: <0.5; oligohaline: 0.5 – 5; mesohaline: >5 – 18; polyhaline: >18 – 30; euhaline: >30 – 40; hyperhaline: >40.

Dissolved oxygen (mg/L)⁴ – anoxic: 0; hypoxic: >0 – 2; low oxygen: >2 – 4; oxygenated: >4 – 6; well oxygenated: >6.

Chlorophyll fluorescence (µg/L)⁵ – low: <50; moderate: 50 – 150; high: >150 - 400, very high: >400.

References

1. DTMI (Department of Transport and Major Infrastructure) (2025) [Tide predictions](#), DTMI, accessed 4 August 2026.
2. BOM (Bureau of Meteorology) (2026) [Perth Western Australia Daily Weather Observations](#), BOM, accessed 4 August 2026.
3. (2003) 'The Venice System for the Classification of Marine Waters According to Salinity', *Limnology and Oceanography*, 3, [doi: 10.4319/lo.1958.3.3.0346](#).
4. DWER (Department of Water and Environmental Regulation) (2018) [Oxygenating the Vasse estuary exit channel: the results of a two year trial 2025 - 2017](#), DWER, Government of Western Australian.
5. Chlorophyll definitions were internally developed from historical trends within the Swan Canning Riverpark.

Recommended reference for this report

Department of Biodiversity, Conservation and Attractions, 2026. *Canning Water Quality Report, 4 August 2026*. Rivers and Estuaries Science (<https://www.dbca.wa.gov.au/management/swan-canning-riverpark/swan-canning-riverpark-water-quality-monitoring>)