

Djarlgarro

Canning waterway

Weekly water quality report
28 July 2026

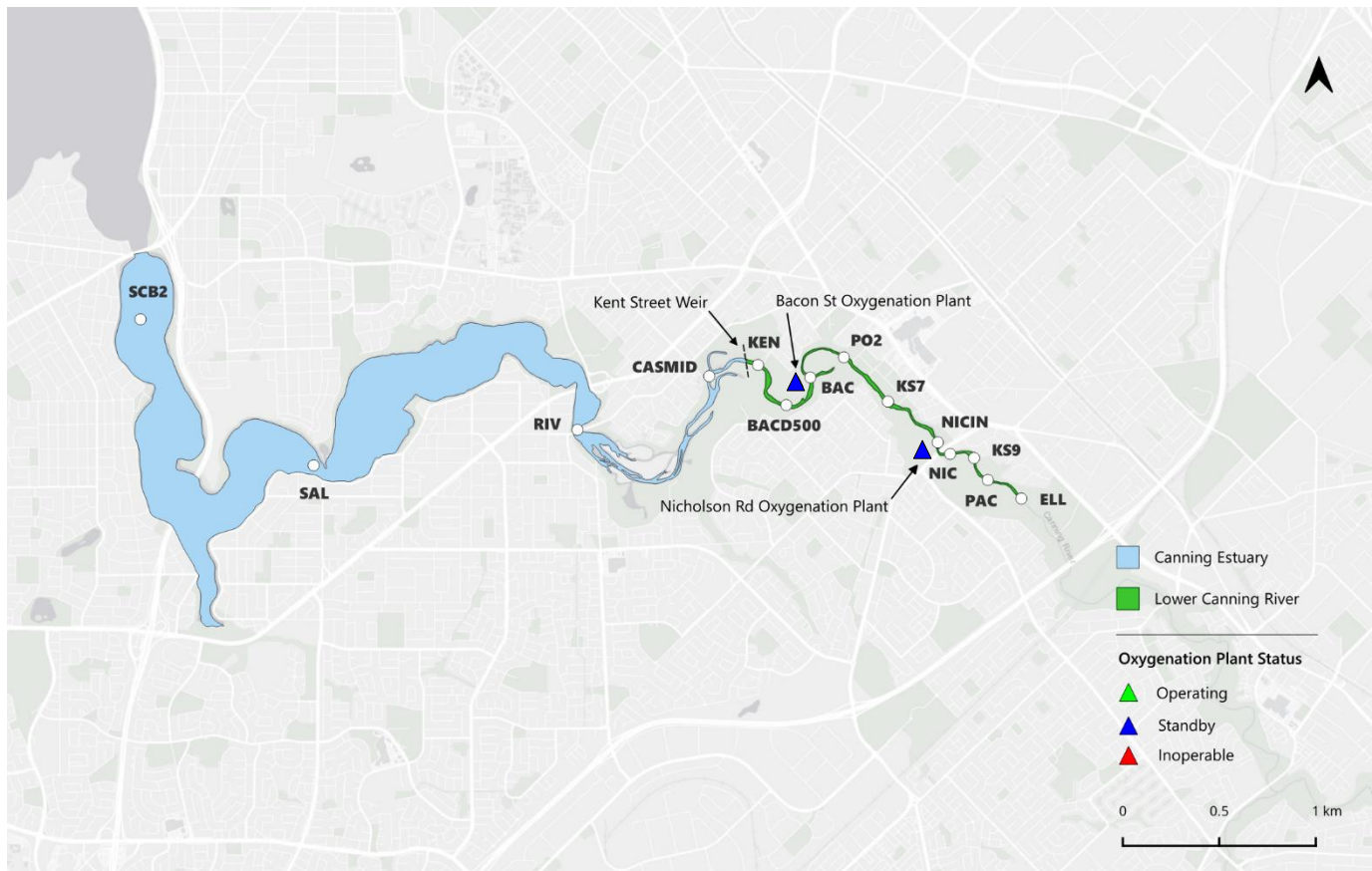
Monitoring conducted on Whadjuk Noongar Country

Prepared by:
Rivers and Estuaries Science
Biodiversity and Conservation Science
Department of Biodiversity, Conservation and Attractions

Photo – DBCA

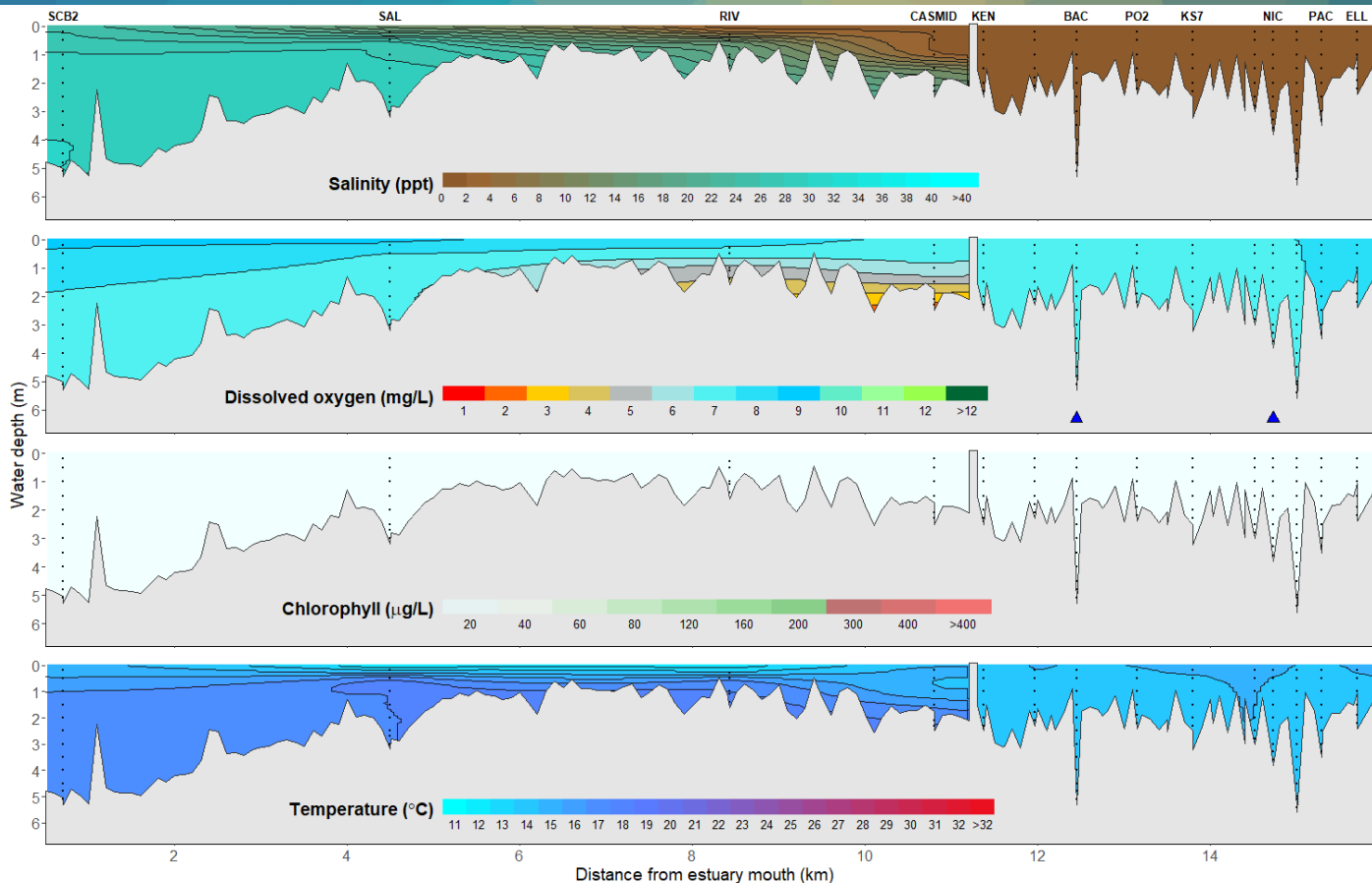
Djarlgarro water quality monitoring sites

28 July 2026



Djarlgarro water quality profile

28 July 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

28 July 2026

Canning Estuary: Salinity was predominately polyhaline throughout this zone, except for surface waters from SAL to RIV which were mesohaline and oligohaline at CASMID. Waters were predominately well oxygenated, except for bottom waters at CASMID which were hypoxic. Chlorophyll fluorescence was moderate in the surface waters at RIV and water temperatures ranged from 13.0 to 17.4 °C.

Lower Canning River: Salinity was fresh, with well-oxygenated waters and low chlorophyll fluorescence at all sites. Water temperatures ranged from 13.5 to 14.2 °C.

Season			
Makuru		Winter	
Predicted tides ¹			
High Tide		Low Tide	
1.25 m	10:27 am	0.70 m	8:14 pm

Recorded weather conditions	
Skies	Clear
Wind direction	Easterly
Wind speed (max)	3.1 knots
Air temperature ² (max)	16.9 °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 28 July 2026.
2. BOM (Bureau of Meteorology) (2026) [Perth Western Australia Daily Weather Observations](#), BOM, accessed 28 July 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, 28 July 2026*. Rivers and Estuaries Science (<https://www.dbca.wa.gov.au/management/swan-canning-riverpark/swan-canning-riverpark-water-quality-monitoring>)