



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

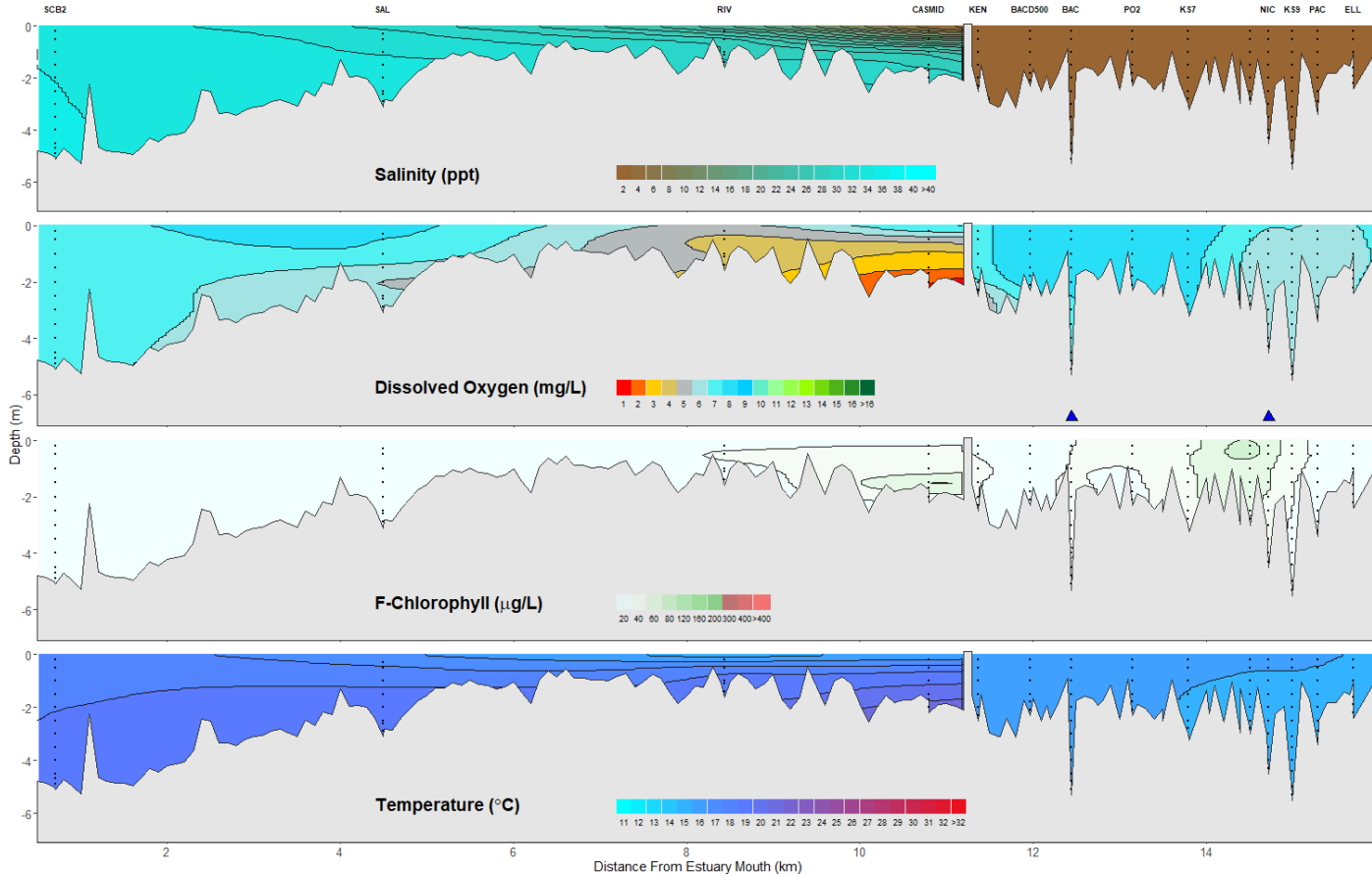
Canning Estuary and Lower Canning River

19 May 2026

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Canning Estuary and Lower Canning River - Water Quality Profiles – 19 May 2026



Date: 19 May 2026

Weather & tide conditions: Conditions were clear with a light variable breeze up to 2.5 knots. The predicted tide at Barrack St was 1.37 m (high tide) at 12:56 am. Perth recorded 8.2 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were both on standby to operate in the 24 hours prior to sampling.

Canning Estuary (SCB2 to CASMID): The Canning Estuary sites were saline from SCB2 to SAL and brackish over saline from RIV to CASMID. Waters were oxygenated to well-oxygenated, but low in oxygen at RIV and hypoxic in the bottom waters at CASMID. Chlorophyll fluorescence was moderate in bottom waters at CASMID. Water temperatures ranged from 15.6 to 20.4 °C.

Lower Canning River (KEN to ELL): The Lower Canning River sites were fresh with oxygenated to well-oxygenated waters. Chlorophyll fluorescence was moderate in the surface waters between NICIN-NIC. Water temperatures ranged from 14.5 to 15.6 °C.

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

Oxygenation Plant Operational Status:

- ▲ Operating for part or all of the 24 hours prior to sampling
- ▲ Operable but not triggered to operate in the 24 hours prior to sampling
- ▲ Inoperable for part or all of the 24 hours prior to sampling

Definitions:

Salinity – fresh <5, brackish 5-25, saline 25-35, hypersaline >36
Dissolved oxygen – well-oxygenated >6 mg L⁻¹, oxygenated >4-6 mg L⁻¹, low oxygen >2-4 mg L⁻¹, hypoxic 0.5-2 mg L⁻¹, anoxic <0.5 mg L⁻¹
Chlorophyll fluorescence (low flow): low < 50 µg L⁻¹, moderate 50-150 µg L⁻¹, high 150-400 µg L⁻¹, extreme > 400 µg L⁻¹