



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

Canning Estuary and Lower Canning River

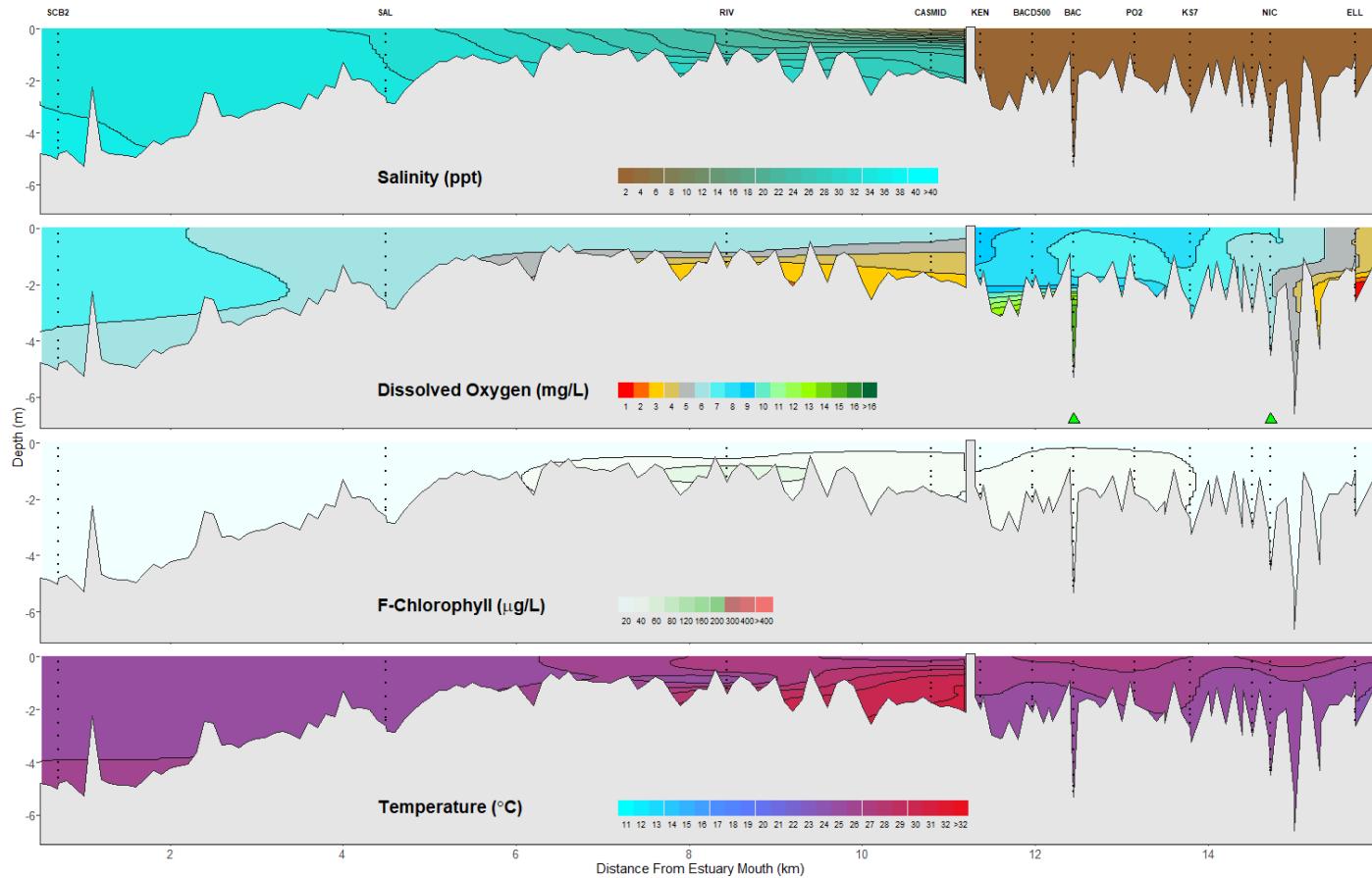
20 January 2026

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Canning Estuary and Lower Canning River - Water Quality Profiles – 13 January 2026



Date: 20 January 2026

Weather & tide conditions: Conditions were clear with a south-easterly breeze of up to 7.5 knots. The predicted tide at Barrack St was 0.59 m at 9:35 am (low tide). Perth recorded 0 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were operating and providing oxygen in the 24 hours prior to sampling.

Canning Estuary (SCB2 to CASMID): The Canning Estuary was saline, with brackish surface waters from RIV to CASMID. Waters were oxygenated to well-oxygenated except for the bottom waters of RIV and CASMID which were low in oxygen. Moderate chlorophyll fluorescence was detected at RIV, while levels elsewhere were low. Water temperatures ranged from 24.4 to 29.9 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh. Waters were oxygenated to well-oxygenated, except for hypoxic levels in bottom waters of ELL. Chlorophyll fluorescence was low throughout, and water temperatures ranged from 23.8 to 26.6 °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 >35

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