



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

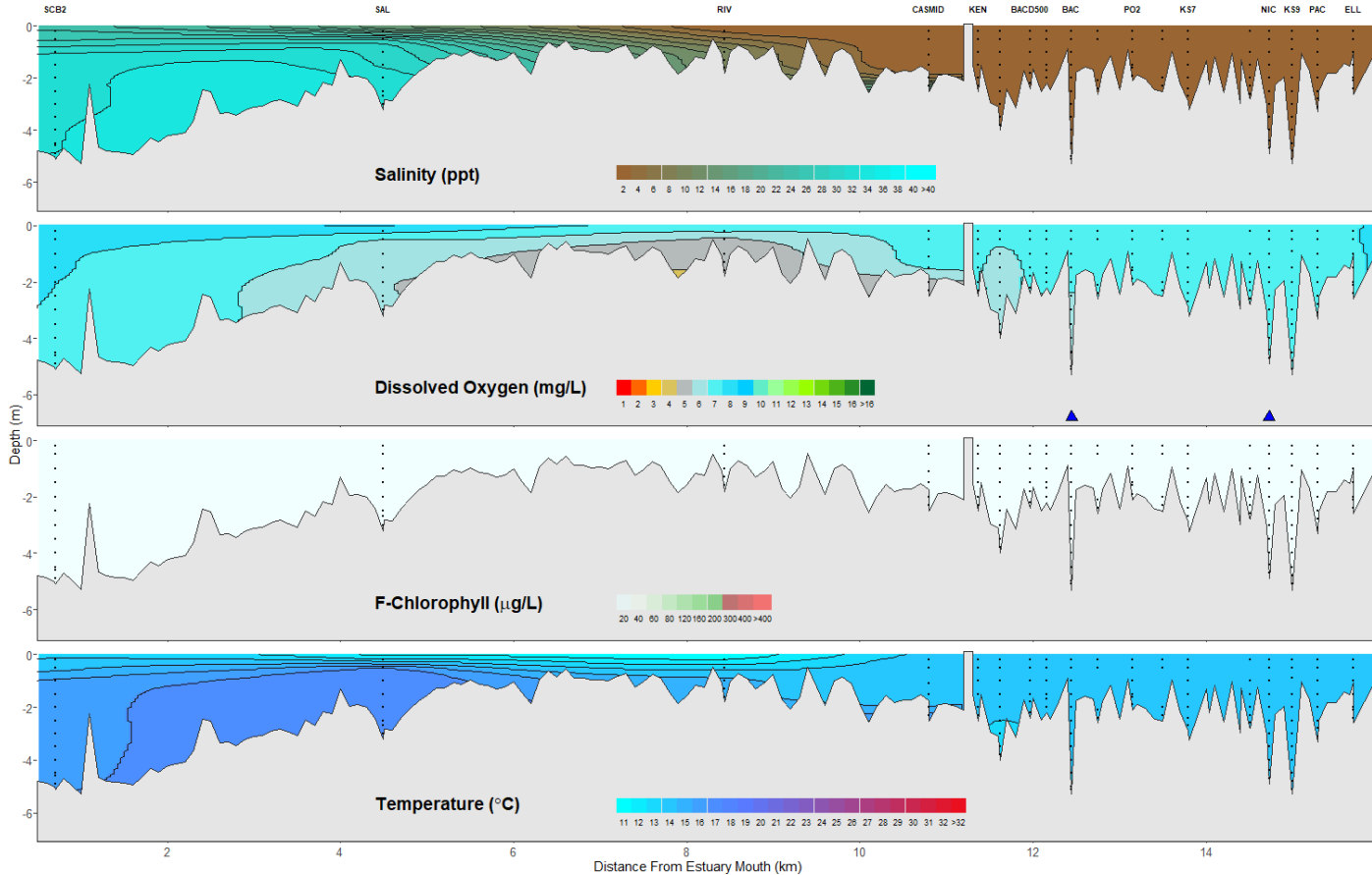
Canning Estuary and Lower Canning River

16 June 2026

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Canning Estuary and Lower Canning River - Water Quality Profiles – 16 June 2026



Date: 16 June 2026

Weather & tide conditions: Conditions were clear with a variable breeze up to 2.2 knots. The predicted tides at Barrack St were 1.4 m at 12:00 am (high tide) and 0.63 m at 11:53 pm (low tide). Perth recorded 31 mm of rain in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Rd and Bacon St oxygenation plants were operable but not triggered to operate during the 24 hours prior to sampling.

Canning Estuary (SCB2 to CASMID): The Canning Estuary was brackish over saline from SCB2 to SAL, and fresh over brackish from RIV to CASMID. Waters were oxygenated to well-oxygenated and chlorophyll fluorescence was low. Water temperatures ranged from 11.1 to 16.8 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh. Waters were well-oxygenated, with oxygenated bottom waters at BAC. Chlorophyll fluorescence was low and water temperatures ranged from 12.9 to 13.9 °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