



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

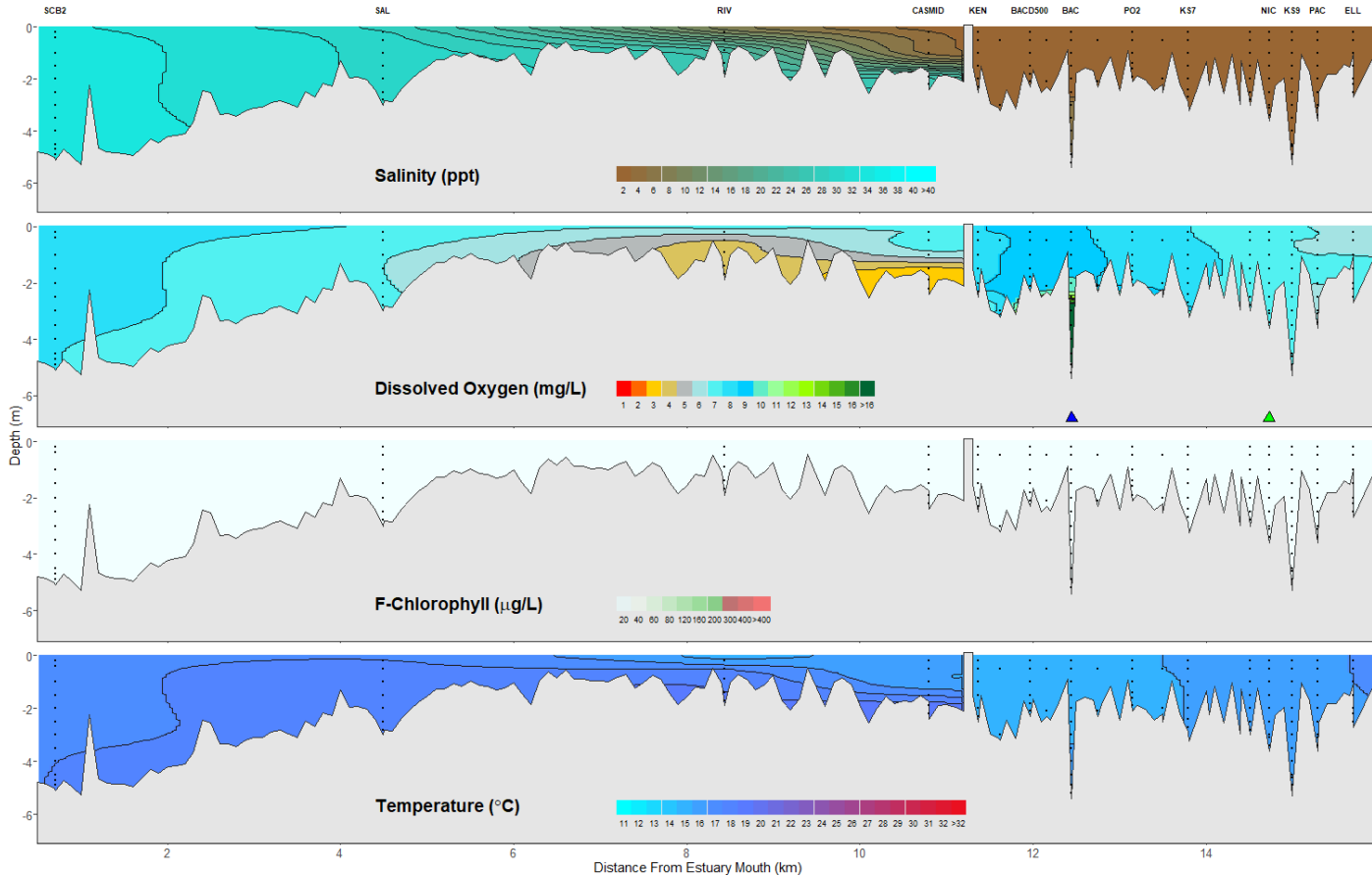
Canning Estuary and Lower Canning River

9 June 2026

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Canning Estuary and Lower Canning River - Water Quality Profiles – 9 June 2026



Date: 9 June 2026

Weather & tide conditions: Conditions were overcast with a southerly breeze up to 6.5 knots. The predicted tides at Barrack St were 1.08 m at 8:44 am (high tide) and 0.9 m at 11:15 pm (low tide). Perth recorded 16 mm of rain in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Rd oxygenation plant was operating for part or all of the 24 hours prior to sampling, whereas the Bacon St oxygenation plant was operable but not triggered to operate during this period.

Canning Estuary (SCB2 to CASMID): The Canning Estuary was saline at SCB2 and SAL, brackish at RIV and fresh over brackish at CASMID. Waters were oxygenated to well-oxygenated, except for low oxygen bottom waters at RIV and CASMID. Chlorophyll fluorescence was low throughout, and water temperatures ranged from 15.2 to 18.6 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh, with brackish bottom water detected at BAC, remnants of the saltwater intrusion that occurred during the 29 May to 1 June storm surge. Waters were oxygenated to well-oxygenated throughout. Chlorophyll fluorescence was low and water temperatures ranged from 14.9 to 16.5 °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