



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

Canning Estuary and Lower Canning River

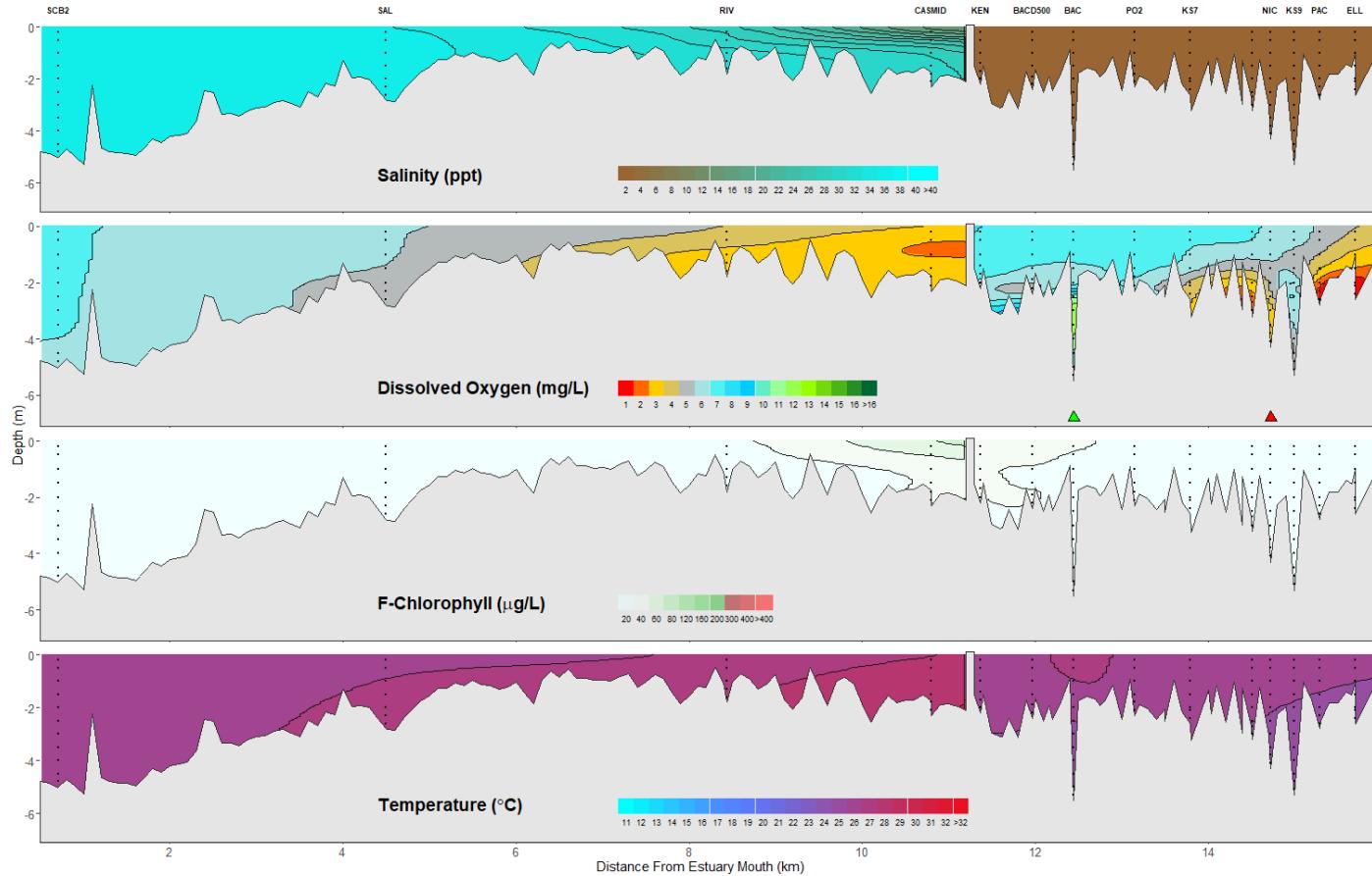
10 February 2026

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Canning Estuary and Lower Canning River - Water Quality Profiles – 10 February 2026



Date: 10 February 2026

Weather & tide conditions: Conditions were overcast with a variable breeze of up to 8.6 knots. The predicted tides at Barrack St were 0.62 m at 6:35 am (low tide) and 1.10 m at 5:19 pm (high tide). Perth recorded 2.2 mm rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St oxygenation plant was operating and providing oxygen in the 24 hours prior to sampling, whereas the Nicholson Rd oxygenation plant was inoperable during this period.

Canning Estuary (SCB2 to CASMID): The Canning Estuary was saline from SCB2 to RIV and brackish over saline at CASMID. SCB2 and SAL were oxygenated to well-oxygenated, whereas RIV and CASMID were low in oxygen, with hypoxia at CASMID. Chlorophyll fluorescence was low, with moderate levels in surface waters of CASMID. Water temperatures ranged from 25.5 to 28.3 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh. Waters were oxygenated to well-oxygenated except for low oxygen bottom waters of KS7 and NIC, and hypoxic bottom waters at NICIN, PAC and ELL. Chlorophyll fluorescence was low throughout and water temperatures ranged from 24.1 to 26 °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