



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

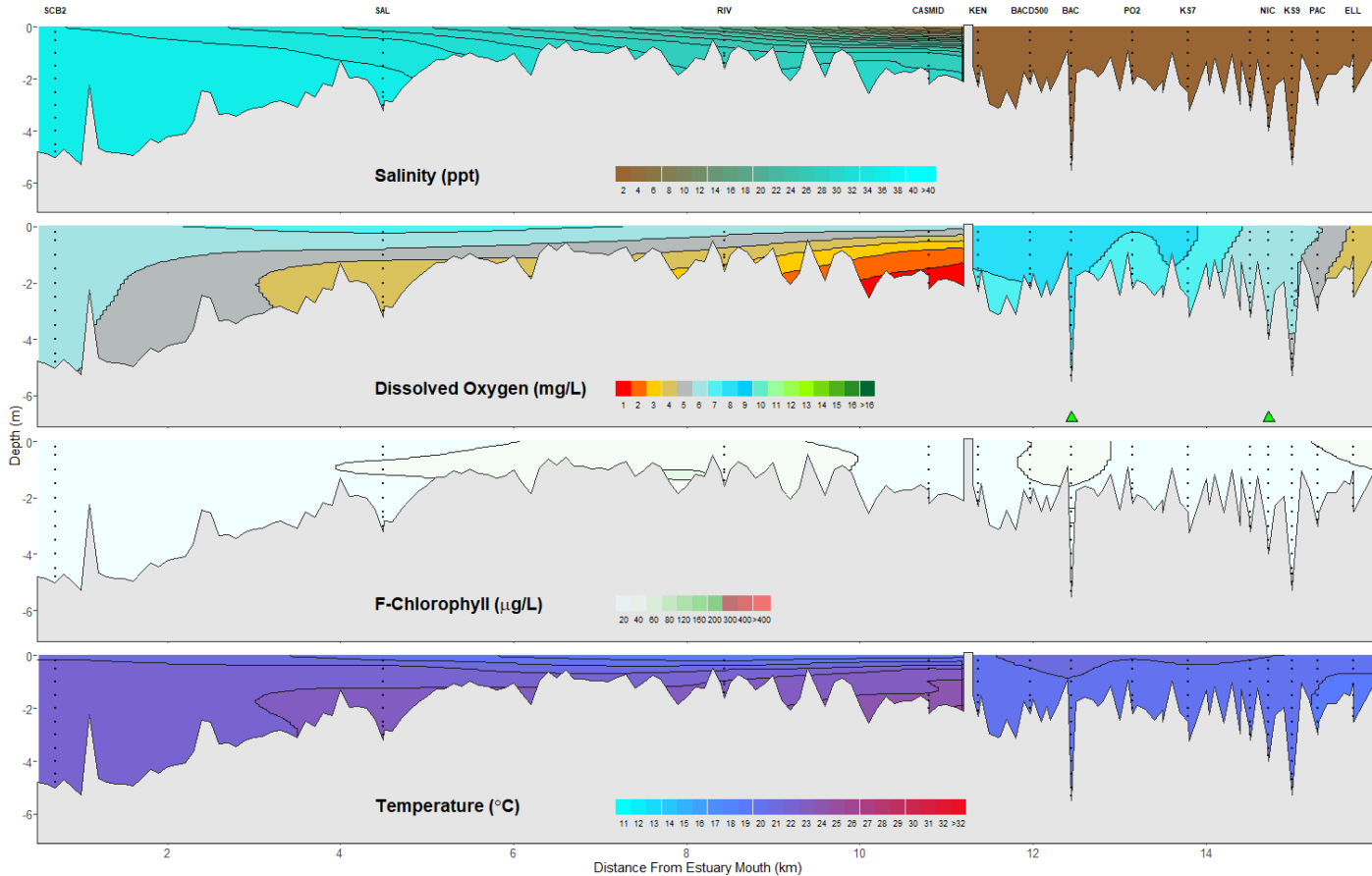
Canning Estuary and Lower Canning River

8 April 2026

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Canning Estuary and Lower Canning River - Water Quality Profiles – 8 April 2026



Date: 8 April 2026

Weather & tide conditions: Conditions were cloudy with a variable breeze of up to 4.6 knots. The predicted tides at Barrack St were 0.72 m at 2:27 am (low tide) and 1.2 m at 2:29 pm (high tide). Perth recorded no 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 from saline with brackish surface waters from RIV to CASMID. Waters were oxygenated, with low oxygen bottom waters from SAL to RIV, and anoxic bottom waters at CASMID. Chlorophyll fluorescence was low throughout, and water temperatures ranged from 19.1 to 23.9 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh. Waters were well oxygenated from KEN to KS7, oxygenated from NIC to PAC and low oxygen at ELL. Chlorophyll fluorescence was low and water temperatures ranged from 18.7 to 20.4 °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