



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

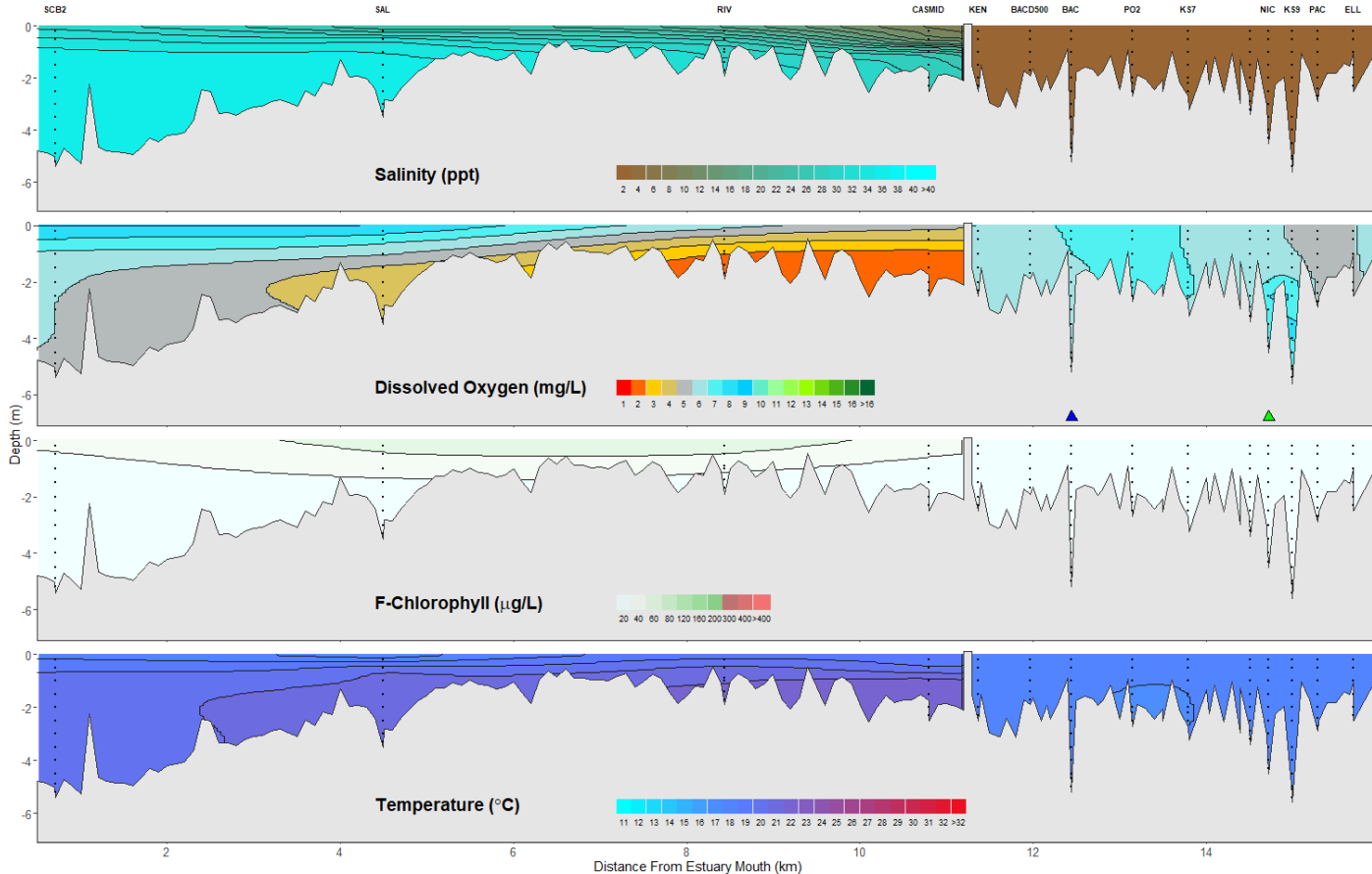
Canning Estuary and Lower Canning River

29 April 2026

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Canning Estuary and Lower Canning River - Water Quality Profiles – 29 April 2026



Date: 29 April 2026

Weather & tide conditions: Conditions were overcast with a light breeze of up to 2.4 knots. The predicted tides at Barrack St were 0.87 m at 3:35 am (first low tide), 1.14 m at 10:47 am (high tide), and 0.87 m at 6:51 pm (second low tide). Perth recorded 13.2 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St oxygenation plant was operable but not triggered to provide oxygen and the Nicholson Rd oxygenation plant was operating and providing oxygen in the 24 hours prior to sampling.

Canning Estuary (SCB2 to CASMID): The Canning Estuary was saline throughout with brackish surface waters from RIV to CASMID. Waters were oxygenated to well oxygenated, with low oxygen bottom waters at SAL and hypoxic bottom waters from RIV to CASMID. Chlorophyll fluorescence was low, with moderate levels detected from SAL to RIV. Water temperatures ranged from 17.5 to 21.5 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh and waters were oxygenated to well oxygenated throughout. Chlorophyll fluorescence was low and water temperatures ranged from 16.9 to 17.9 °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