



# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

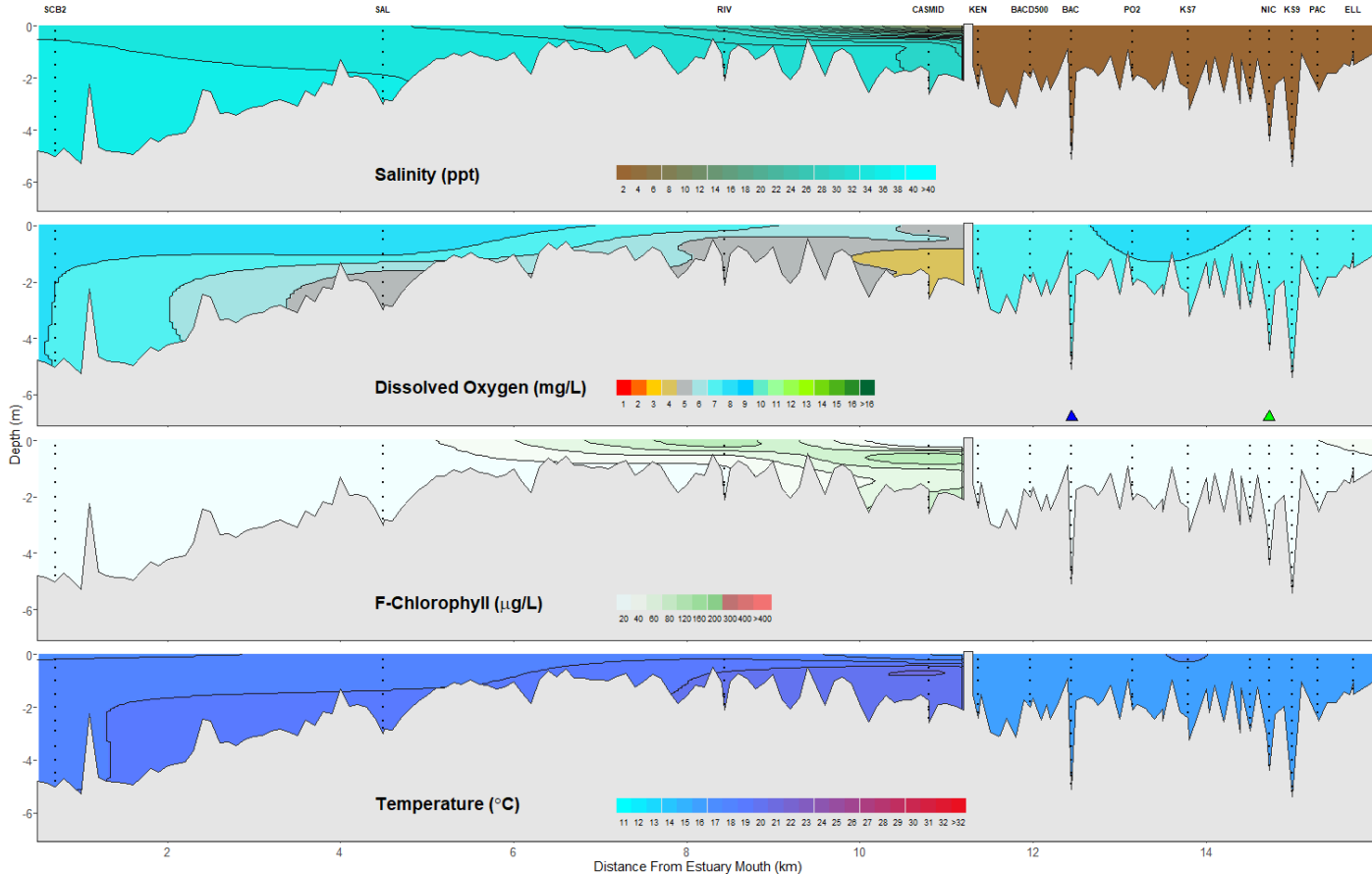
### Canning Estuary and Lower Canning River

12 May 2026

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# Canning Estuary and Lower Canning River - Water Quality Profiles – 12 May 2026



Date: 12 May 2026

Weather & tide conditions: Conditions were clear with a variable breeze up to 2 knots. The predicted tides at Barrack St were 0.84 m at 2:59 am (low tide), 1.07 m at 10:05 am (high tide) and 0.99 m at 3:46 pm (second low tide). Perth recorded 0 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St oxygenation plant was on standby to operate while the Nicholson Rd oxygenation plant was operating in the 24 hours prior to sampling.

Canning Estuary (SCB2 to CASMID): The Canning Estuary sites were saline from SCB2 to RIV and brackish over saline at CASMID. Waters were oxygenated to well-oxygenated, except for low oxygen in the bottom waters at CASMID. Chlorophyll fluorescence was moderate in surface waters at RIV, and moderate throughout CASMID. Water temperatures ranged from 17.1 to 19.8 °C.

Lower Canning River (KEN to ELL): The Lower Canning River sites were fresh with oxygenated to well-oxygenated waters. Chlorophyll fluorescence was low and water temperatures ranged from 15.2 to 16.2 °C.

NB: Profile plots are visual interpolations of measured parameters only. Detailed data are available at [wir.water.wa.gov.au](http://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<sup>-1</sup>, oxygenated >4-6 mg L<sup>-1</sup>, low oxygen >2-4 mg L<sup>-1</sup>, hypoxic 0.5-2 mg L<sup>-1</sup>, anoxic <0.5 mg L<sup>-1</sup>  
Chlorophyll fluorescence (low flow): low < 50 µg L<sup>-1</sup>, moderate 50-150 µg L<sup>-1</sup>, high 150-400 µg L<sup>-1</sup>, extreme > 400 µg L<sup>-1</sup>