



# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

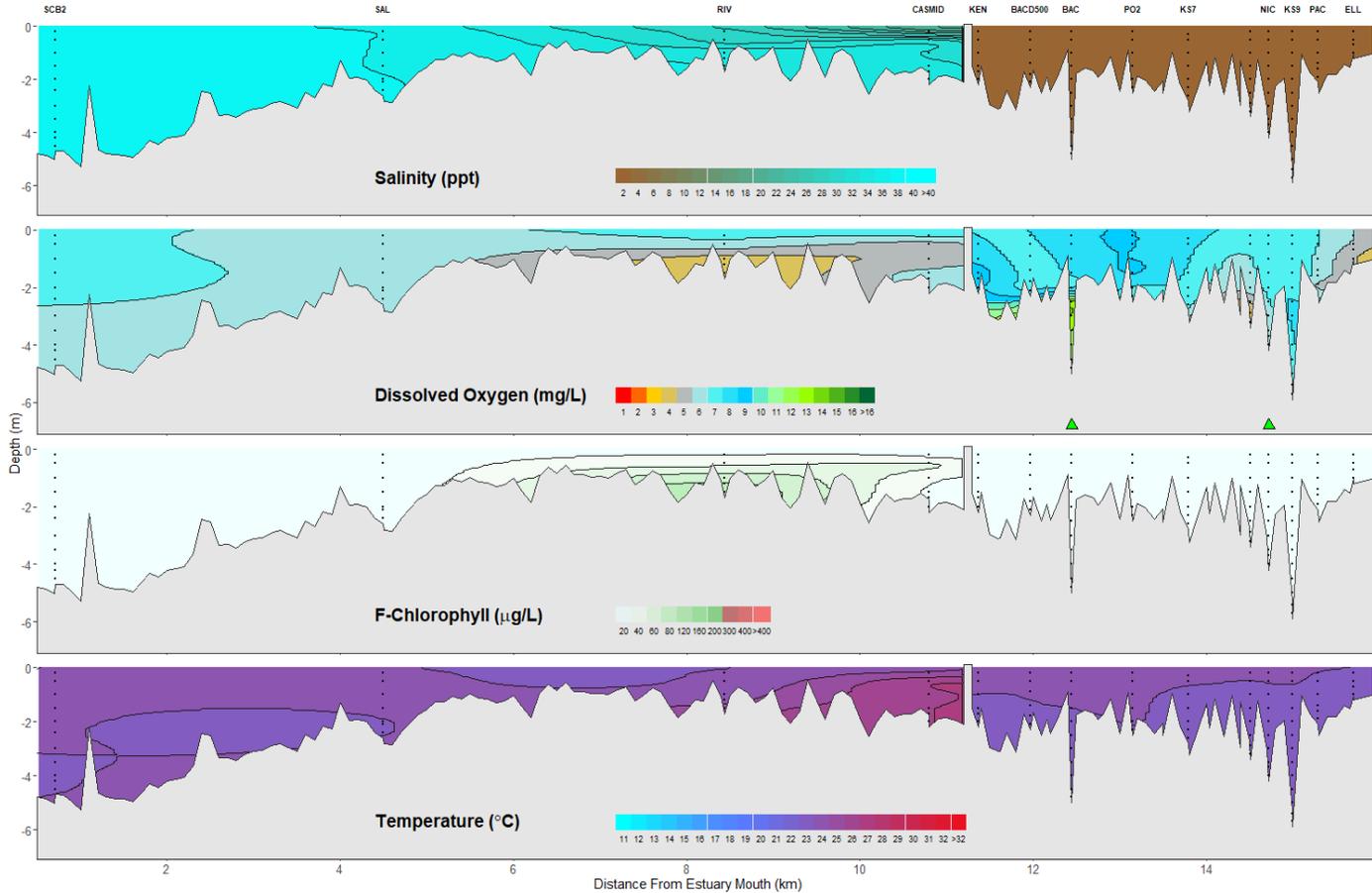
### Canning Estuary and Lower Canning River

17 March 2026

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# Canning Estuary and Lower Canning River - Water Quality Profiles – 17 March 2026



Date: 17 March 2026

Weather & tide conditions: Conditions were cloudy with an easterly breeze of up to 7.2 knots. The predicted tides at Barrack St were 0.7 m at 6:45 am (low tide) and 0.9 m at 1:03 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 ranged from hypersaline at SCB2, to brackish over saline at CASMID. Waters were oxygenated to well-oxygenated throughout, except for low oxygen bottom waters at RIV. Chlorophyll fluorescence was moderate at RIV and low elsewhere. Water temperatures ranged from 23 to 26 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh and oxygenated to well-oxygenated, with low oxygen bottom waters at NICIN. Chlorophyll fluorescence was low and water temperatures ranged from 22 to 23.9 °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>