

# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

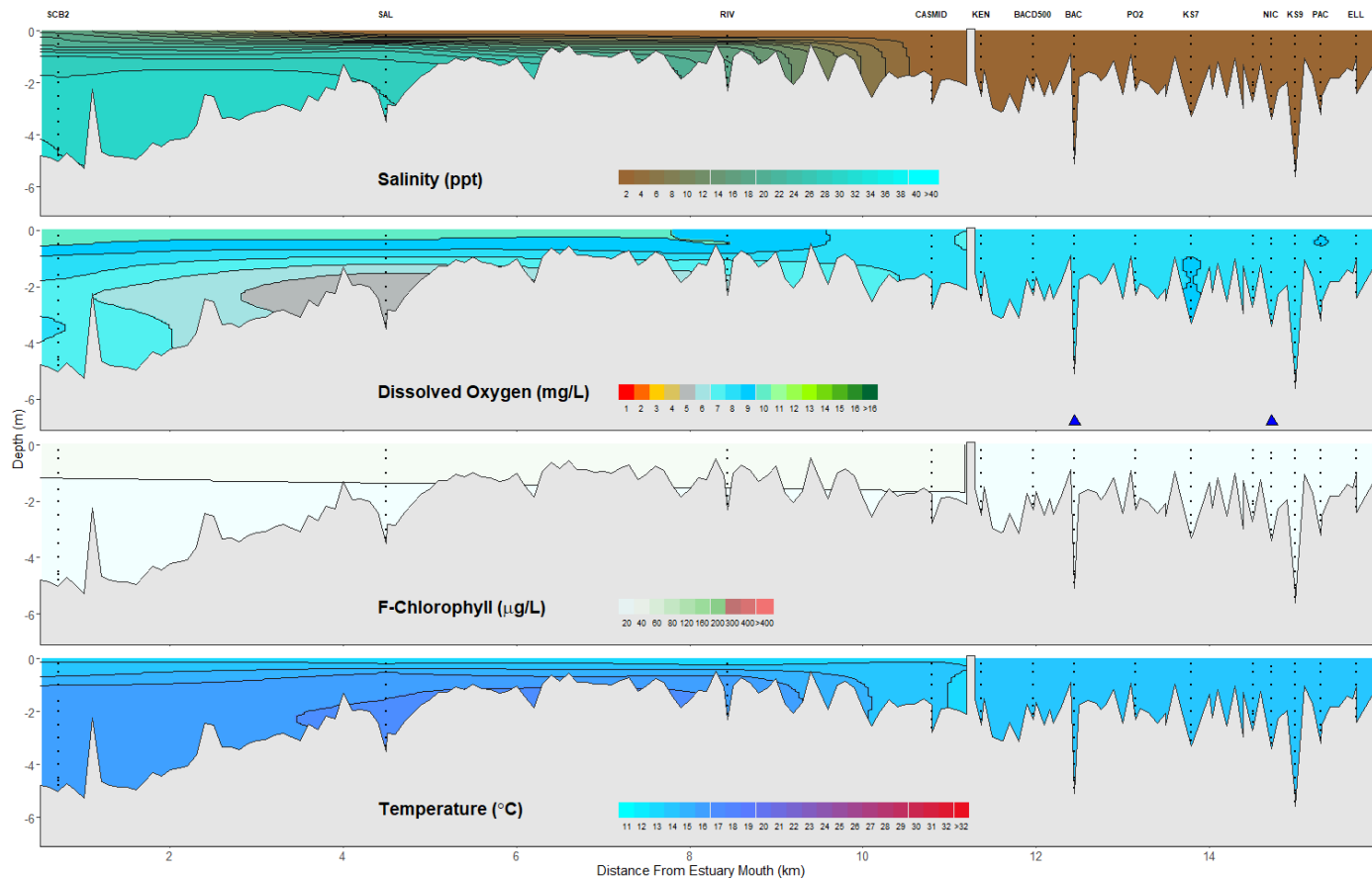
### Canning Estuary and Lower Canning River

22 July 2025

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## Canning Estuary and Lower Canning River - Water Quality Profiles – 22 July 2025



Date: 22 July 2025

Weather & tide conditions: Conditions were overcast with an easterly breeze of up to 5.2 knots. The predicted tides at Barrack St were 1.29 m at 8:46 am (high tide) and 0.63 m at 8:07 pm (low tide). Perth recorded 40 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were operable but not triggered to provide oxygen in the 24 hours prior to sampling.

Canning Estuary (SCB2 to CASMID): The Canning Estuary was brackish over saline from SCB2 to RIV, and fresh throughout at CASMID. Waters were oxygenated or well oxygenated throughout and chlorophyll fluorescence was high in surface waters at RIV. Water temperatures ranged from 12.8 to 16.2 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh, all sites were well oxygenated and chlorophyll fluorescence was low. Water temperatures ranged from 13.5 to 13.8 °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 >35

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>