



# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

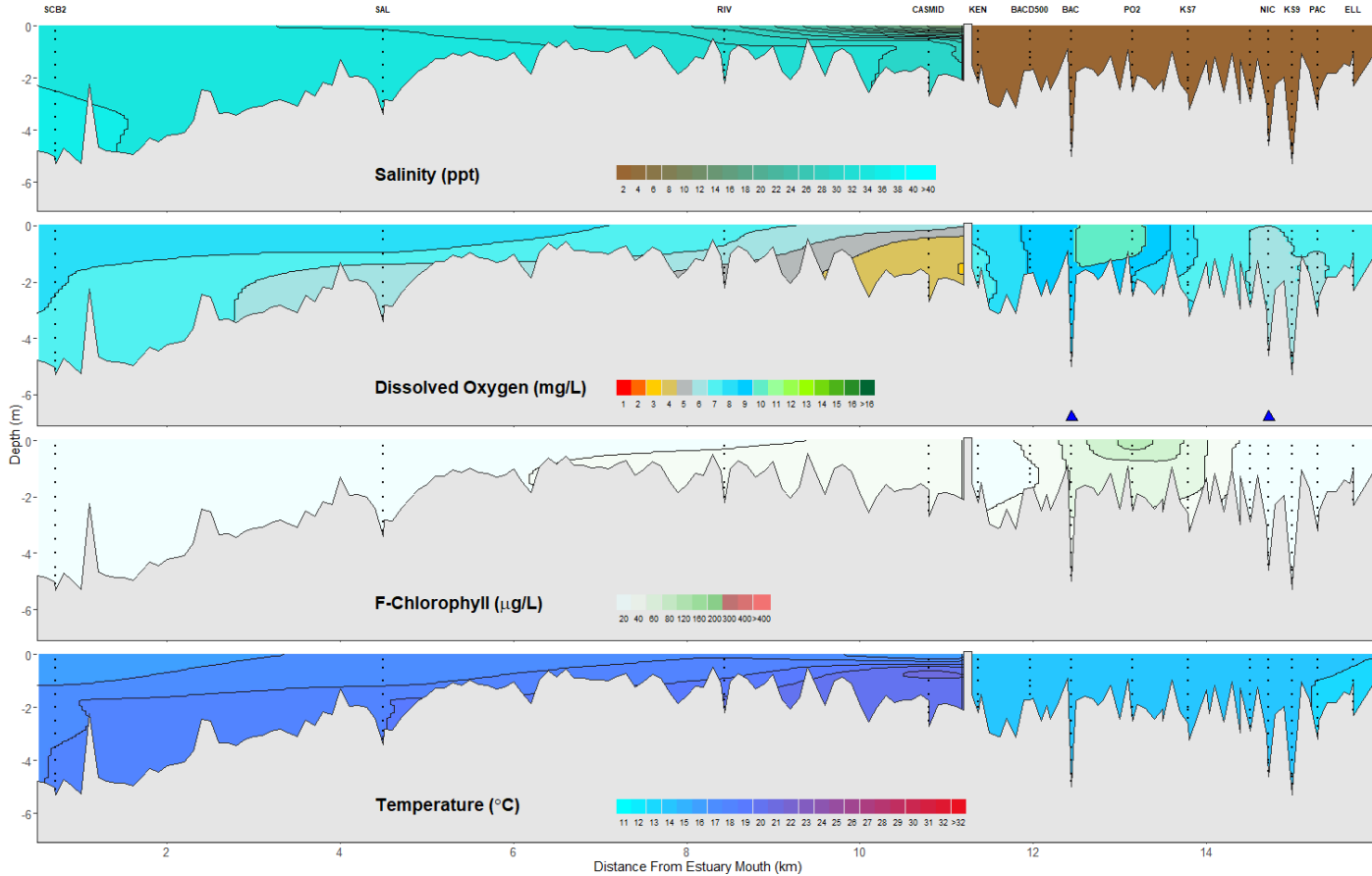
### Canning Estuary and Lower Canning River

26 May 2026

Prepared by

Rivers and Estuaries Science  
Biodiversity and Conservation Science  
Department of Biodiversity, Conservation and Attractions

# Canning Estuary and Lower Canning River - Water Quality Profiles – 26 May 2026



Date: 26 May 2026

Weather & tide conditions: Conditions were cloudy with a variable breeze up to 8.1 knots. The predicted tide at Barrack St was 0.9 m (first low tide) at 1:02 am, 1.15 m (high tide) at 9:21 am and 0.89 m (second low tide) at 7:48 pm. Perth recorded no rainfall in the week prior to sampling (Bureau of Meteorology).

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

Canning Estuary (SCB2 to CASMID): The Canning Estuary was saline from SCB2 to CASMID, with brackish surface waters at CASMID. Waters were oxygenated to well-oxygenated, except for low oxygen bottom waters at CASMID. Chlorophyll fluorescence low throughout and water temperatures ranged from 15.6 to 19.8 °C.

Lower Canning River (KEN to ELL): The Lower Canning River was fresh with oxygenated to well-oxygenated waters. Chlorophyll fluorescence was low with moderate levels detected from PO2 to KS7. Water temperatures ranged from 12.7 to 13.9 °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>