



# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

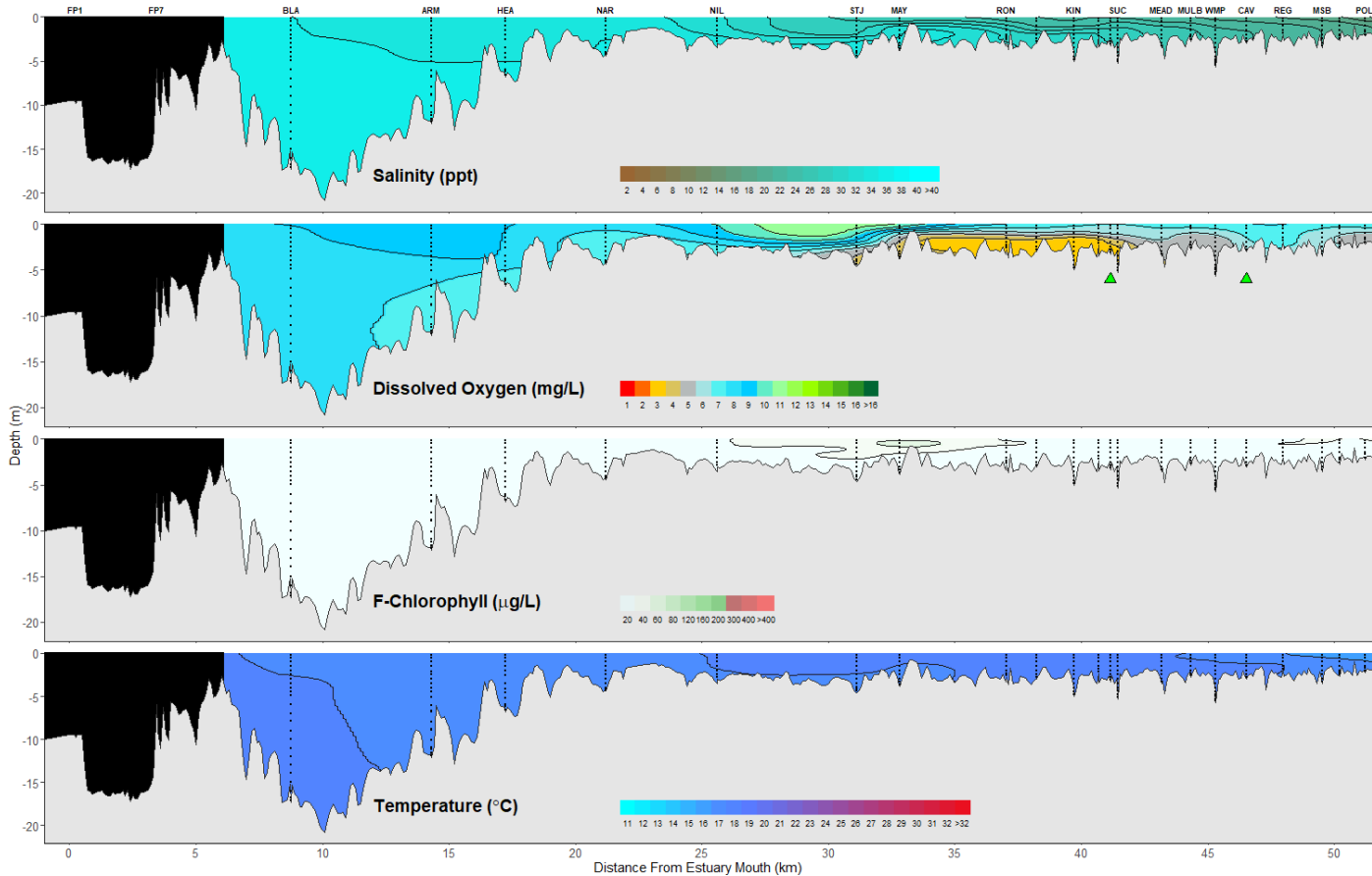
### Lower Swan Canning Estuary to Upper Swan Estuary

8 June 2026

Prepared by

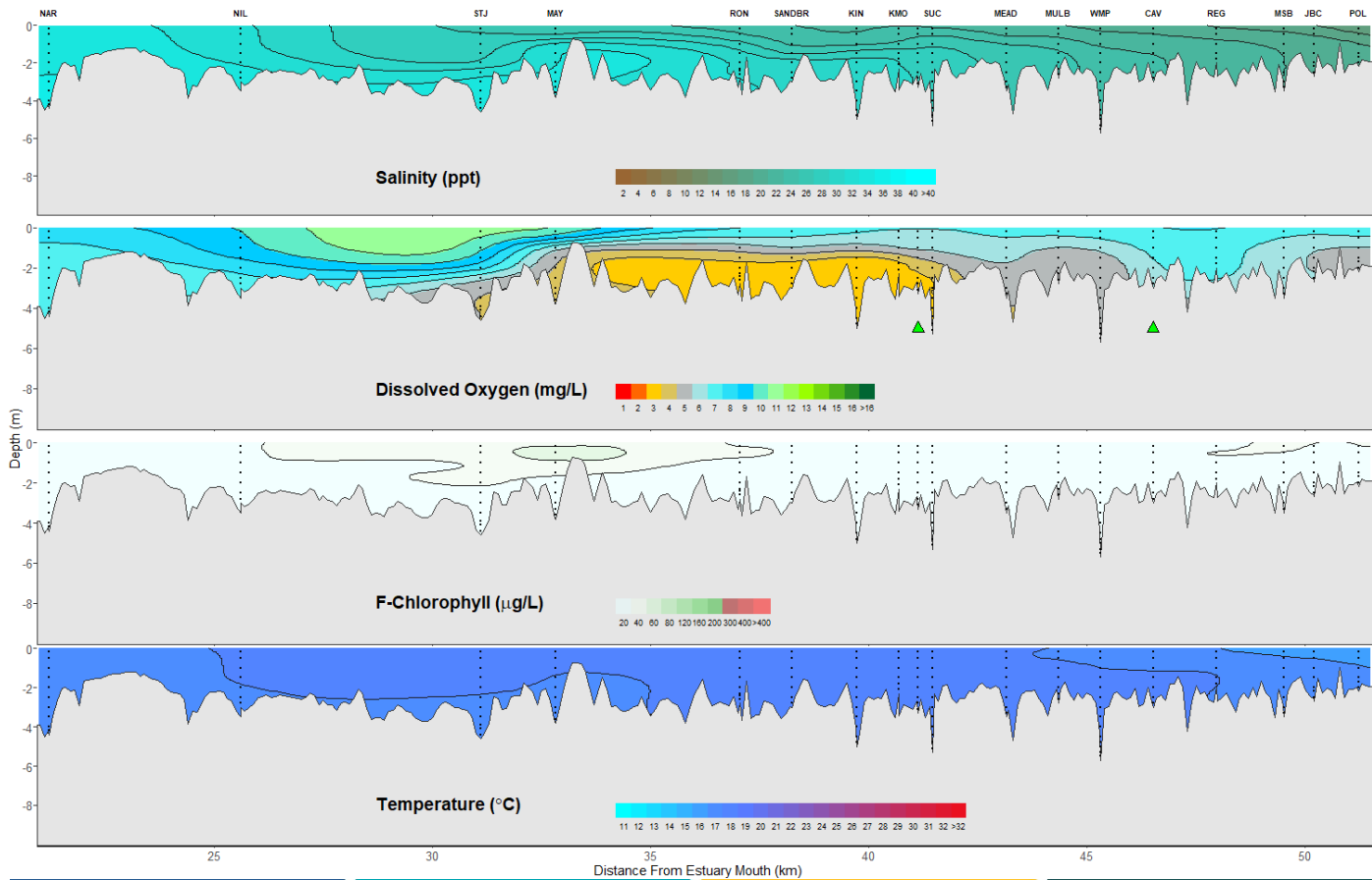
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# Swan Canning Estuary - Water Quality Profiles – 8 June 2026



Distance From Estuary Mouth (km)

# Middle and Upper Swan Estuary - Water Quality Profiles – 8 June 2026



Date: 8 June 2026

Weather & tide conditions: Conditions were cloudy with north westerly winds of up to 15.7 knots. The predicted tides at Barrack St were 0.84 m at 12:29 am (low tide) and 1.1 m at 2:19 pm (high tide). Perth recorded 24.6 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Guildford and Caversham oxygenation plants were operating and providing oxygen in the 24 hours prior to sampling.

Lower Swan Canning Estuary (BLA to NAR): The Lower Swan Canning Estuary was saline and well-oxygenated, with low chlorophyll fluorescence. Water temperatures ranged from 16.3 to 17.6 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary was saline with brackish surface waters at RON. Waters were oxygenated to well-oxygenated, except for low oxygen bottom waters from STJ to RON. Chlorophyll fluorescence was low and water temperatures ranged from 16.8 to 17.7 °C.

Upper Swan Estuary (SANDBR to POL): The Upper Swan Estuary was brackish, with saline bottom waters from SANDBR to MEAD. Waters were oxygenated to well-oxygenated, with low oxygen bottom waters from SANDBR to SUC, and mid-column at WMP. Chlorophyll fluorescence was low and water temperatures ranged from 15.5 to 17.7 °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 ppt  
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>