



# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

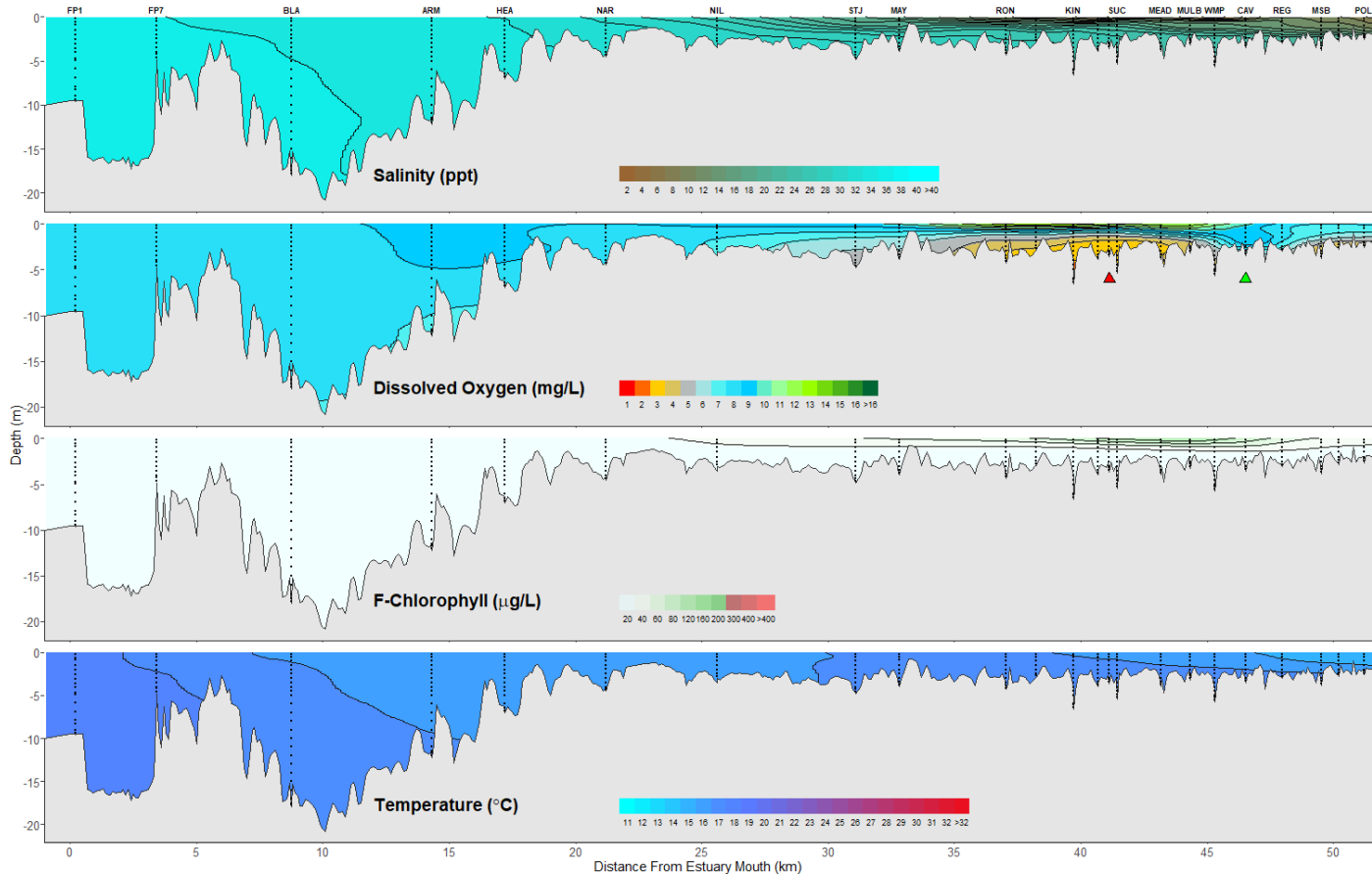
### Lower Swan Canning Estuary to Upper Swan Estuary

29 June 2026

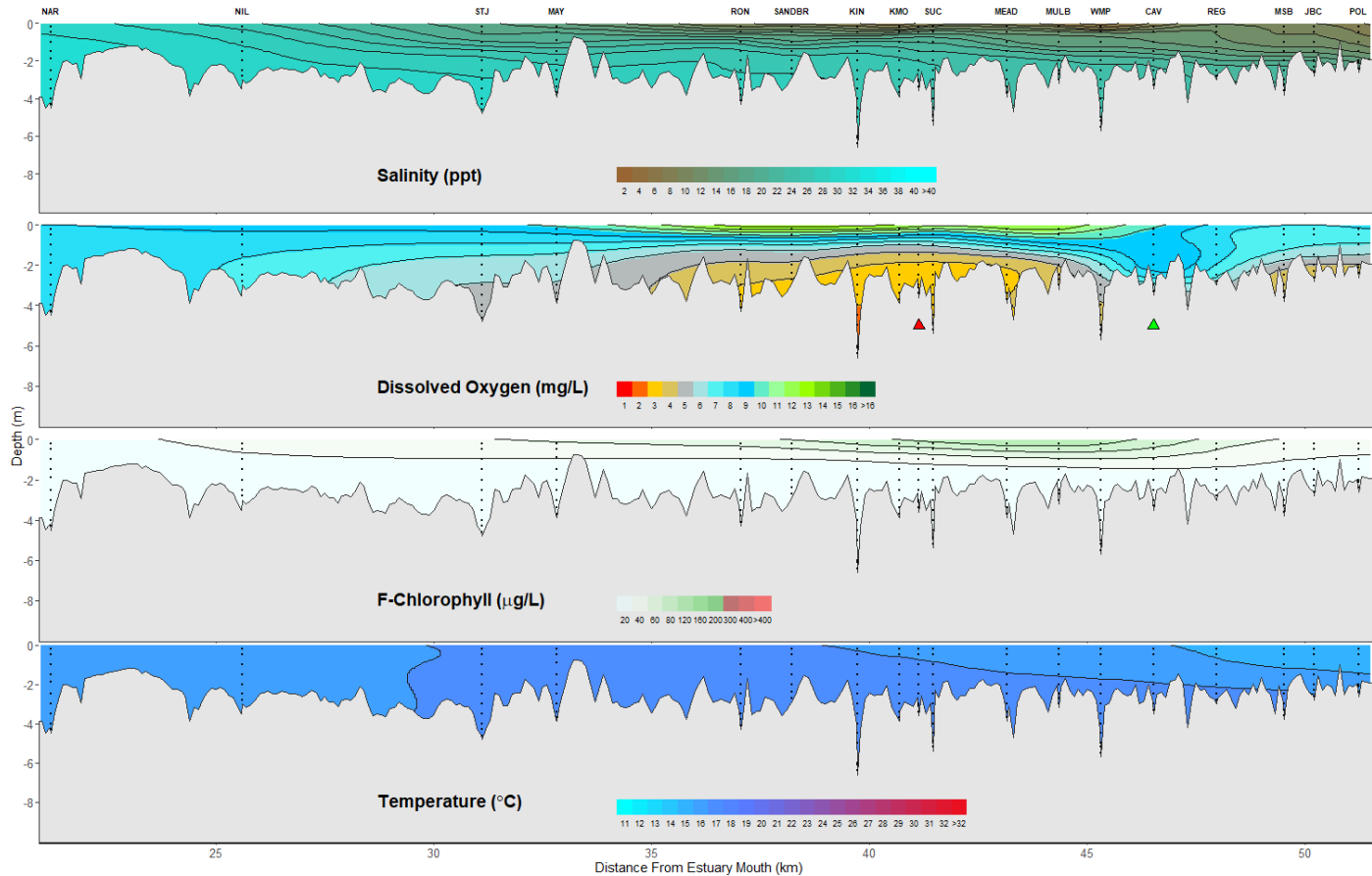
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# Swan Canning Estuary - Water Quality Profiles – 29 June 2026



# Middle and Upper Swan Estuary - Water Quality Profiles – 29 June 2026



Date: 29 June 2026

Weather & tide conditions: Conditions were overcast with a prevailing north easterly breeze of up to 4.9 knots. The predicted tides at Barrack St were 1.31 m at 10:35 am (high tide) and 0.74 m at 9:10 pm (low tide). Perth recorded 46.8 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Caversham oxygenation plant was operable and triggered to provide oxygen in the 24 hours prior to sampling. The Guildford oxygenation plant was inoperable during this period.

Lower Swan Canning Estuary (FPI to NAR): The Lower Swan Canning Estuary was saline and well-oxygenated throughout with low chlorophyll fluorescence. Water temperatures ranged from 15.3 to 17.6 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary was saline at NIL and brackish over saline from STJ to RON. Waters were oxygenated to well-oxygenated except for bottom waters at RON which were low in oxygen. Chlorophyll fluorescence was low and water temperatures ranged from 15.5 to 16.4 °C.

Upper Swan Estuary (SANDBR to POL): The Upper Swan Estuary was brackish with saline bottom waters from SANDBR to VIT and brackish from SUC to POL. Bottom waters were low in oxygen throughout and hypoxic and KIN. Chlorophyll fluorescence was high in surface waters at MULB. Water temperatures ranged from 14.4 to 16.3 °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>