



# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

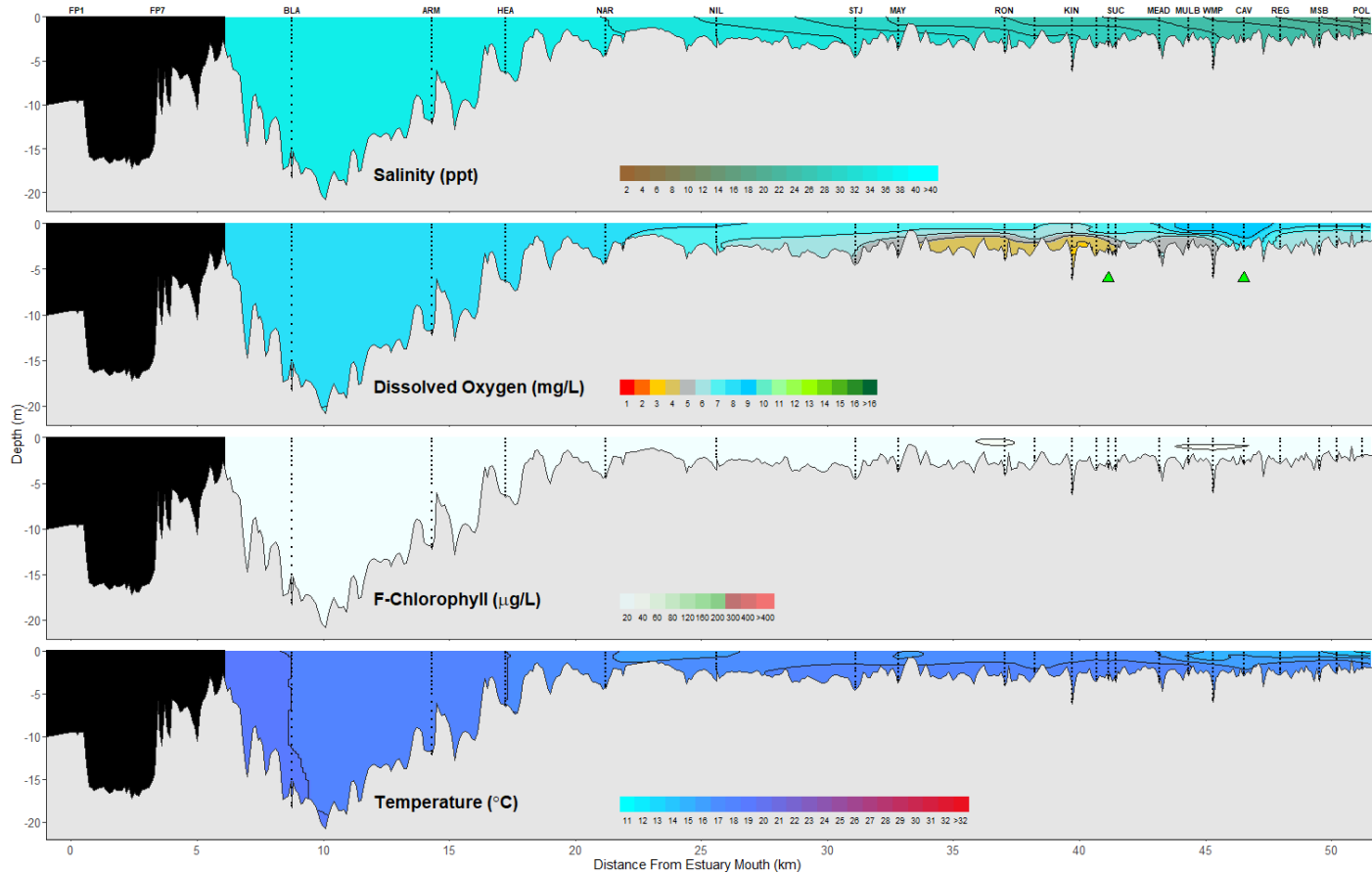
### Lower Swan Canning Estuary to Upper Swan Estuary

25 May 2026

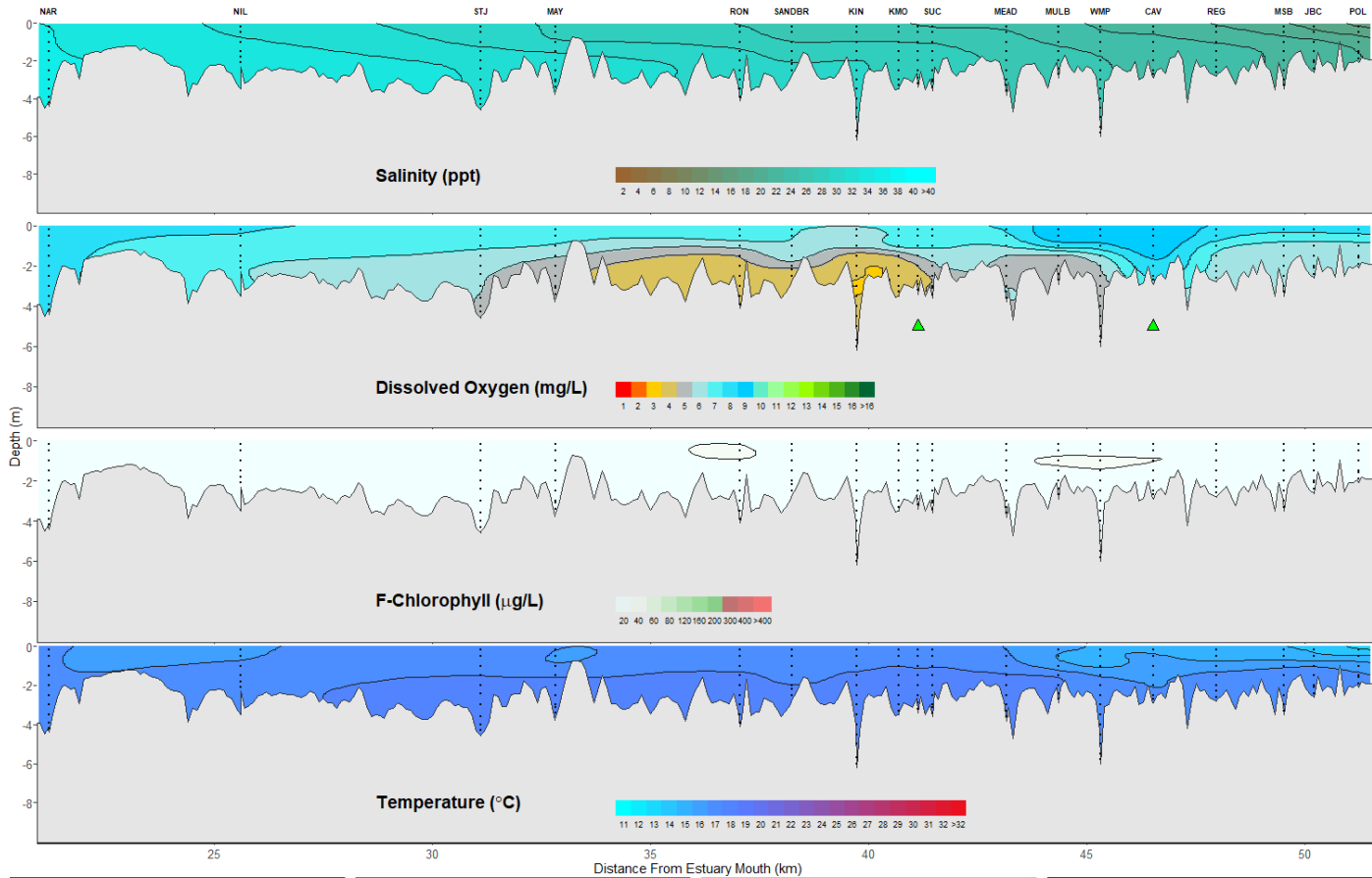
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# Swan Canning Estuary - Water Quality Profiles – 25 May 2026



# Middle and Upper Swan Estuary - Water Quality Profiles – 25 May 2026



Distance From Estuary Mouth (km)

Date: 25 May 2026

Weather & tide conditions: Conditions were clear with a North-easterly breeze of up to 8 knots. The predicted tides at Barrack St were 0.88 m at 2:14 pm (low tide) and 1.09 m at 10:16 am (high tide). Perth recorded no 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 (FPI to NAR): The Lower Swan Canning Estuary was saline and well-oxygenated with low chlorophyll fluorescence. Water temperatures ranged from 16.0 to 18.1 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary was saline with oxygenated to well-oxygenated waters, except for low oxygen bottom waters at RON. Chlorophyll fluorescence was low and water temperatures ranged from 15.9 to 17.6 °C.

Upper Swan Estuary (SANDBR to POL): The Upper Swan Estuary was saline from SANDBR to KIN, brackish over saline from KMO to MEAD, and brackish from MULB to POL. Waters were oxygenated to well-oxygenated throughout except for low oxygen bottom water from SANDBR to VIT. Chlorophyll fluorescence was low and water temperatures ranged from 13.1 to 17.5 °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>