



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

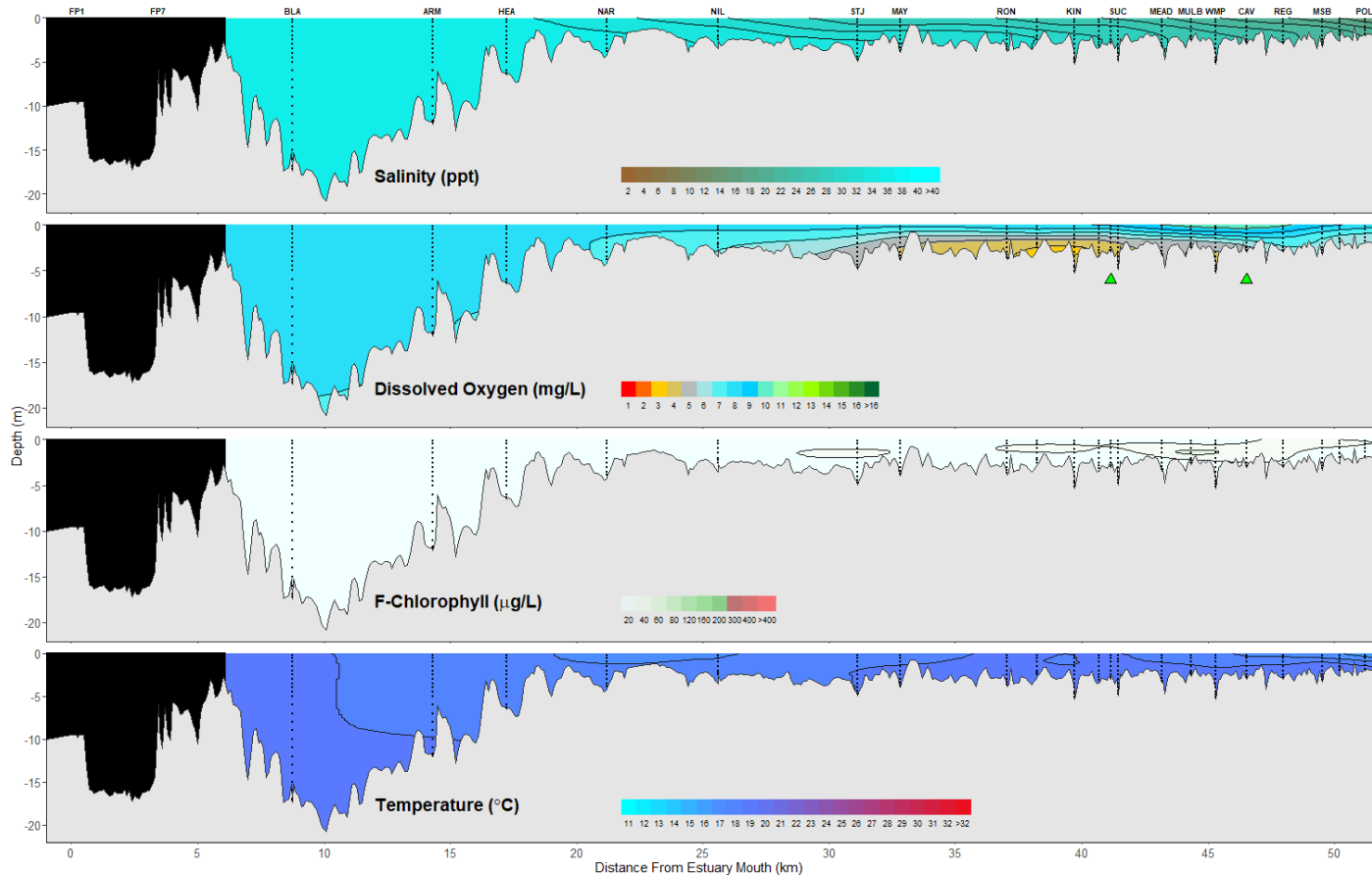
Lower Swan Canning Estuary to Upper Swan Estuary

11 May 2026

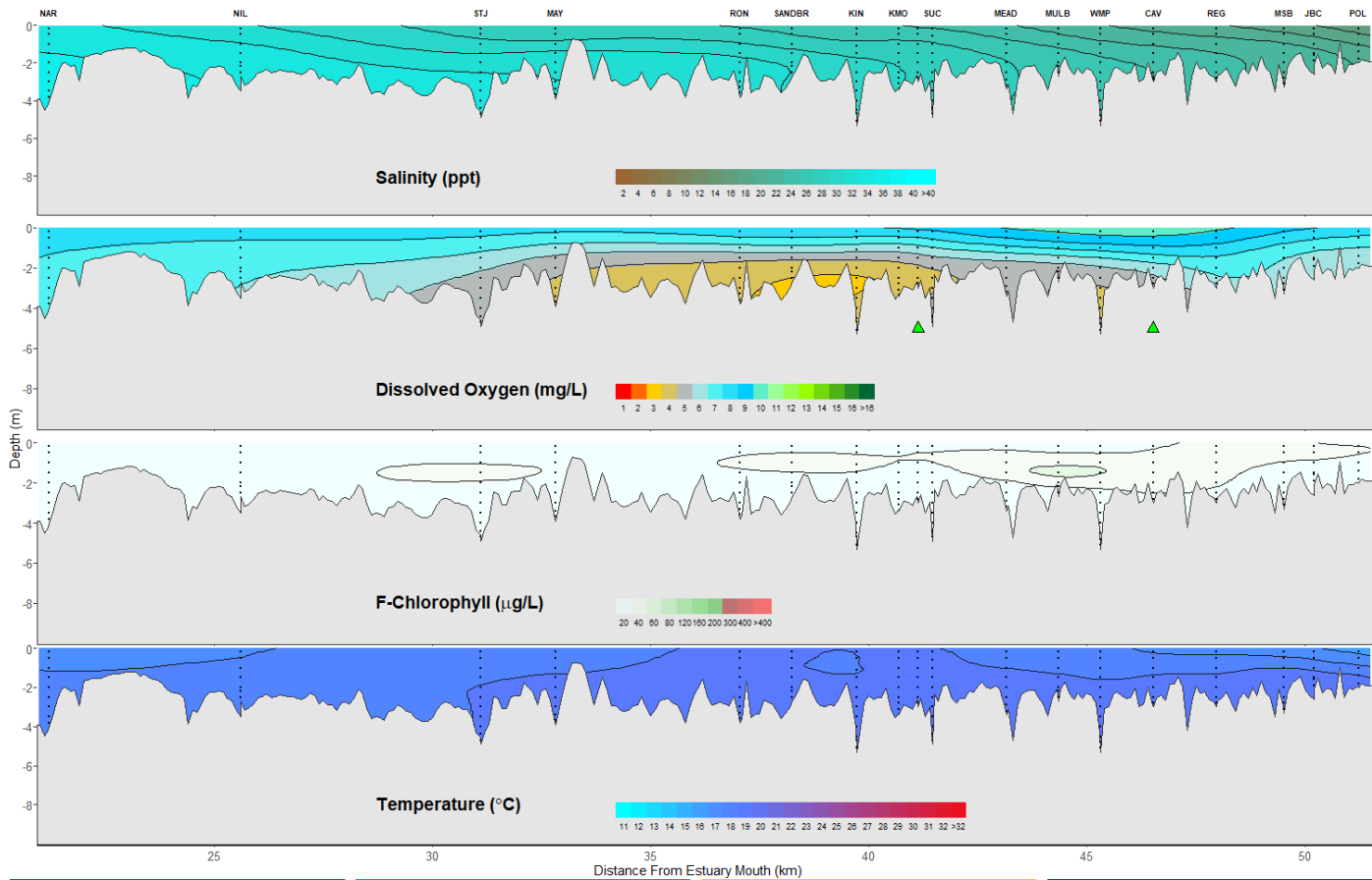
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Swan Canning Estuary - Water Quality Profiles – 11 May 2026



Middle and Upper Swan Estuary - Water Quality Profiles – 11 May 2026



Date: 11 May 2026

Weather & tide conditions: Conditions were clear with a variable breeze of up to 8.8 knots. The predicted tides at Barrack St were 0.8 m at 2:58 am (low tide) and 1.08 m at 5:27 pm (high tide). Perth recorded 0 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Guildford and Caversham oxygenation plants were operable and triggered to provide oxygen in the 24 hours prior to sampling.

Lower Swan Canning Estuary (BLA to NAR): The Lower Swan Canning Estuary sites were saline and well-oxygenated. Chlorophyll fluorescence was low and water temperatures ranged from 16.5 to 18.3 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary sites were saline with oxygenated to well-oxygenated waters, except for low oxygen bottom waters from MAY - RON. Chlorophyll fluorescence was low and water temperatures ranged from 17.0 to 18.6 °C.

Upper Swan Estuary (SANDBR to POL): The Upper Swan Estuary sites were saline at SANDBR, brackish over saline through KIN to MULB, and brackish from WMP to POL. Waters were oxygenated to well-oxygenated, except for low oxygen bottom waters from SANDBR to VIT, and between WMP and CAV. Chlorophyll fluorescence was moderate in the mid-water column at MULB. Water temperatures ranged from 16.0 to 18.5 °C.

NB: Profile plots are visual interpolations of measured parameters only. Detailed data are available at 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⁻¹, oxygenated >4-6 mg L⁻¹, low oxygen >2-4 mg L⁻¹, hypoxic 0.5-2 mg L⁻¹, anoxic <0.5 mg L⁻¹
Chlorophyll fluorescence (low flow): low < 50 µg L⁻¹, moderate 50-150 µg L⁻¹, high 150-400 µg L⁻¹, extreme > 400 µg L⁻¹