

# **Swan Canning Estuary Water Quality Monitoring Project**

## **Weekly Water Quality Report**

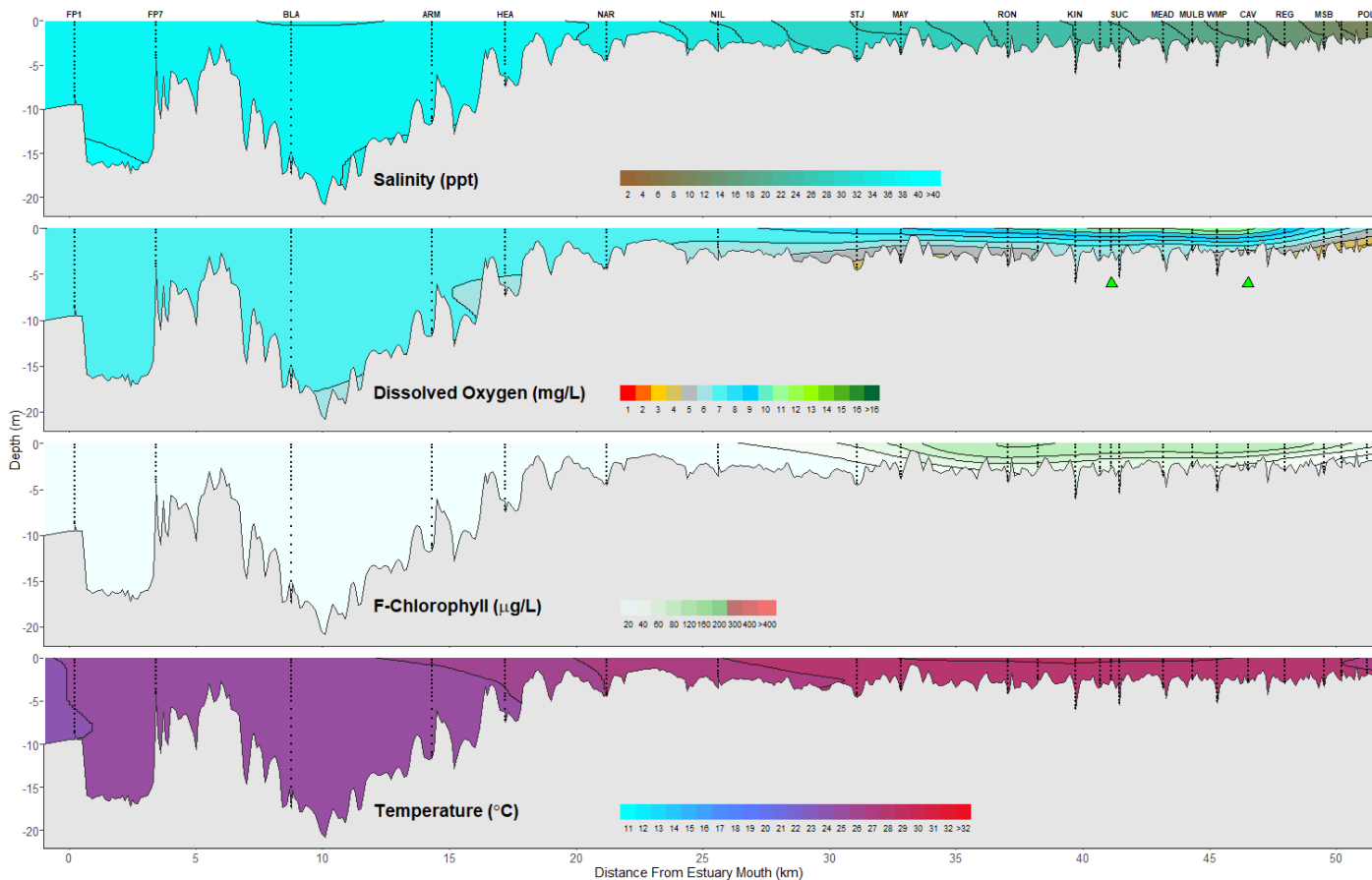
### **Lower Swan Canning Estuary to Upper Swan Estuary**

**9 February 2026**

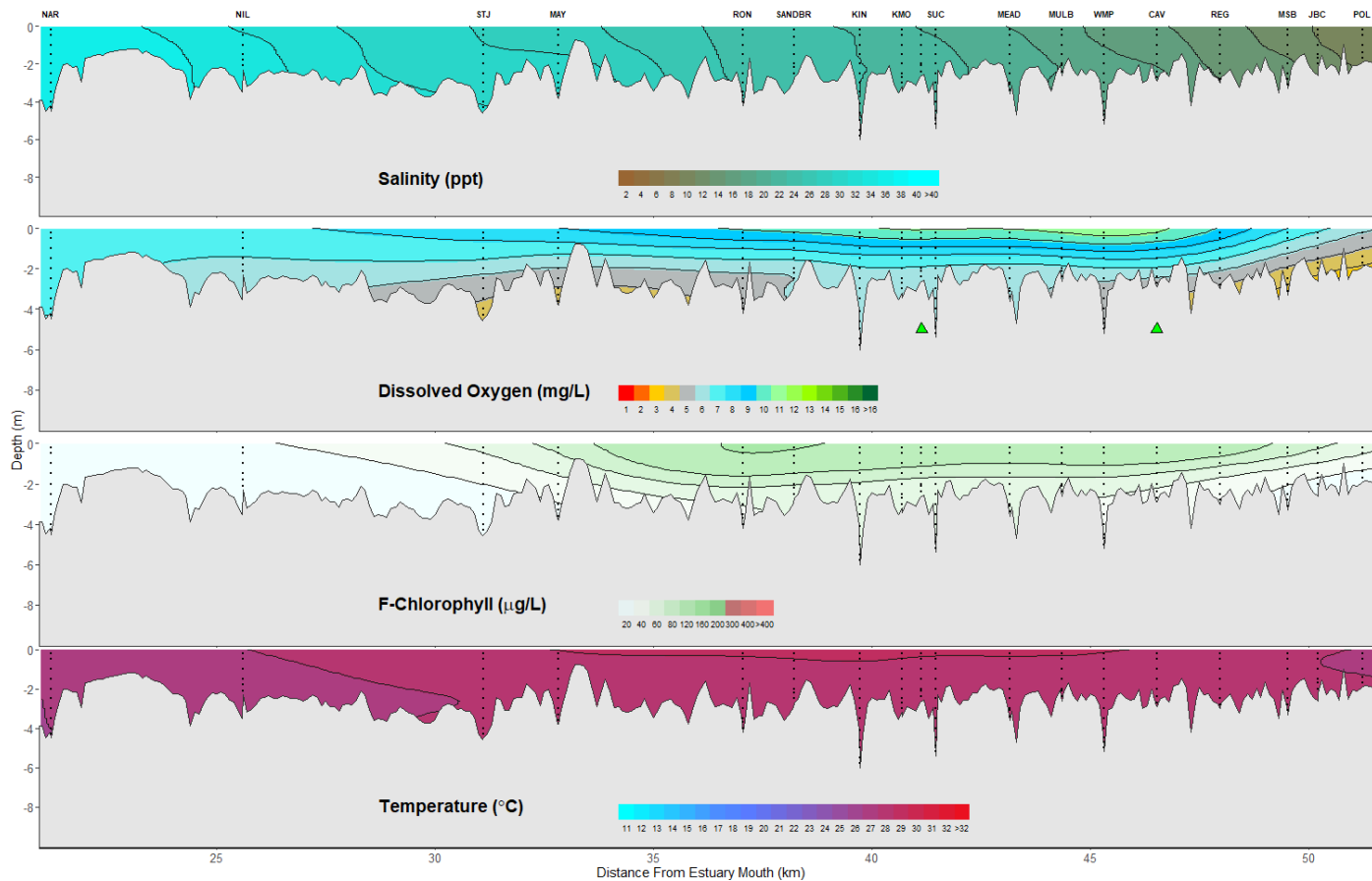
**Prepared by**

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

# Swan Canning Estuary - Water Quality Profiles – 9 February 2026



# Middle and Upper Swan Estuary - Water Quality Profiles – 9 February 2026



Date: 9 February 2026

Weather & tide conditions: Conditions were cloudy with a westerly breeze up to 11.3 knots. The predicted tides at Barrack St were 0.63 m at 6:42 am (low tide) and 1.08 m at 4:30 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 (FP1 to NAR): The Lower Swan Canning Estuary was hypersaline from FP1 to HEA, and saline at NAR. Waters were oxygenated to well-oxygenated with low chlorophyll fluorescence. Water temperatures ranged from 23.9 to 26.3 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary was saline from NIL to MAY, and brackish at RON. Waters were oxygenated to well-oxygenated, except for bottom waters from STJ to RON which were low in oxygen. Chlorophyll fluorescence was low except for moderate to high levels at RON. Water temperatures ranged from 26.5 to 28.1 °C.

Upper Swan Estuary (SANDBR to POL): The Upper Swan Estuary was brackish throughout. Waters were oxygenated to well-oxygenated, with low oxygen bottom waters at SANDBR, CAV, MSB and JBC. Chlorophyll fluorescence was low to moderate, with high levels in surface waters of KMO, VIT, CAV and REG. Water temperatures ranged from 26.8 to 28.9 °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 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>

**Recommended reference:** Department of Biodiversity, Conservation and Attractions, 2026. *Swan Canning Estuary water quality profile report, Lower Swan Canning Estuary to Upper Swan Estuary 9 February 2026*. Rivers and Estuaries Science (<https://www.dpaw.wa.gov.au/management/swan-canning-riverpark>)