



# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

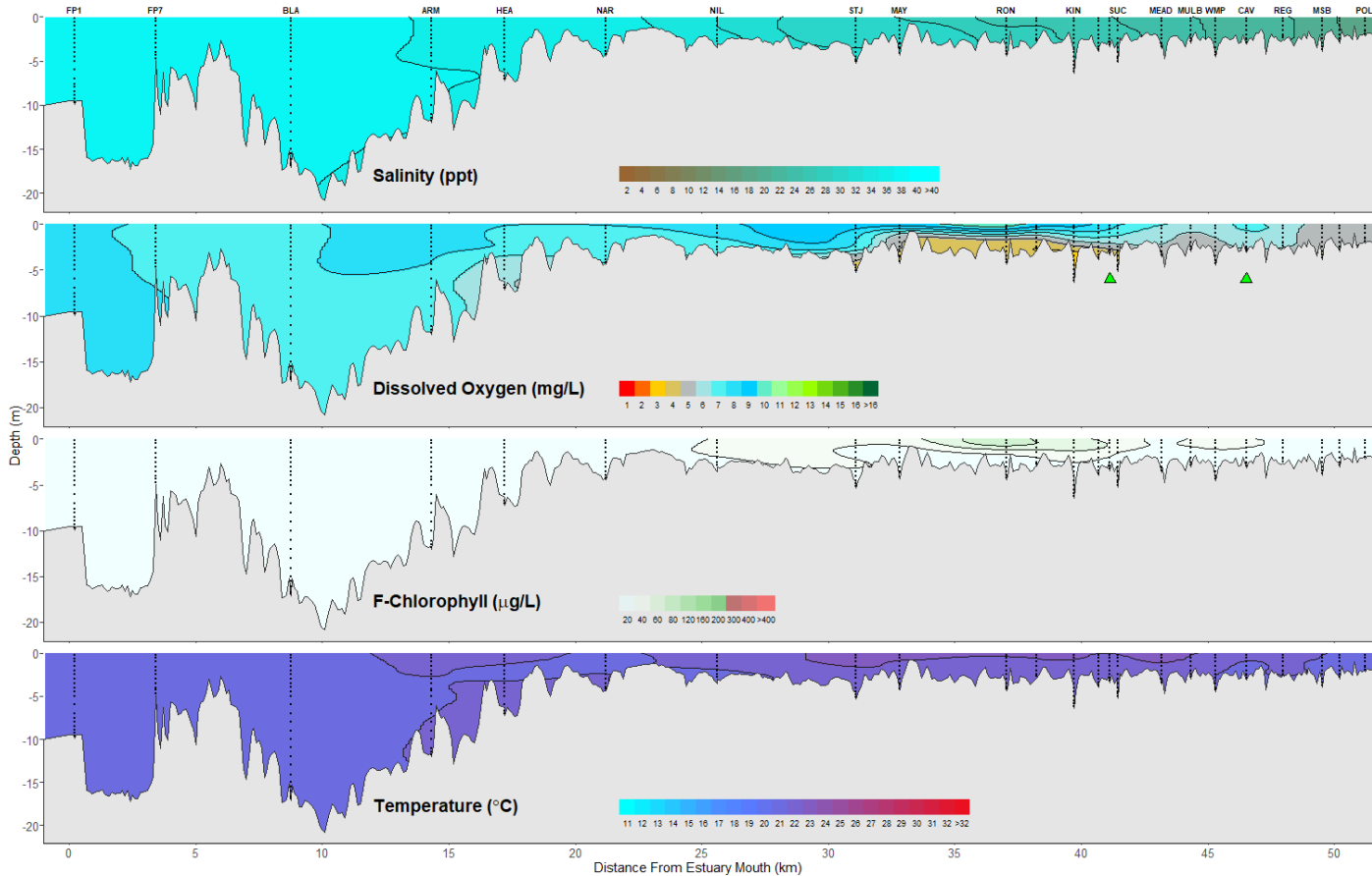
### Lower Swan Canning Estuary to Upper Swan Estuary

20 April 2026

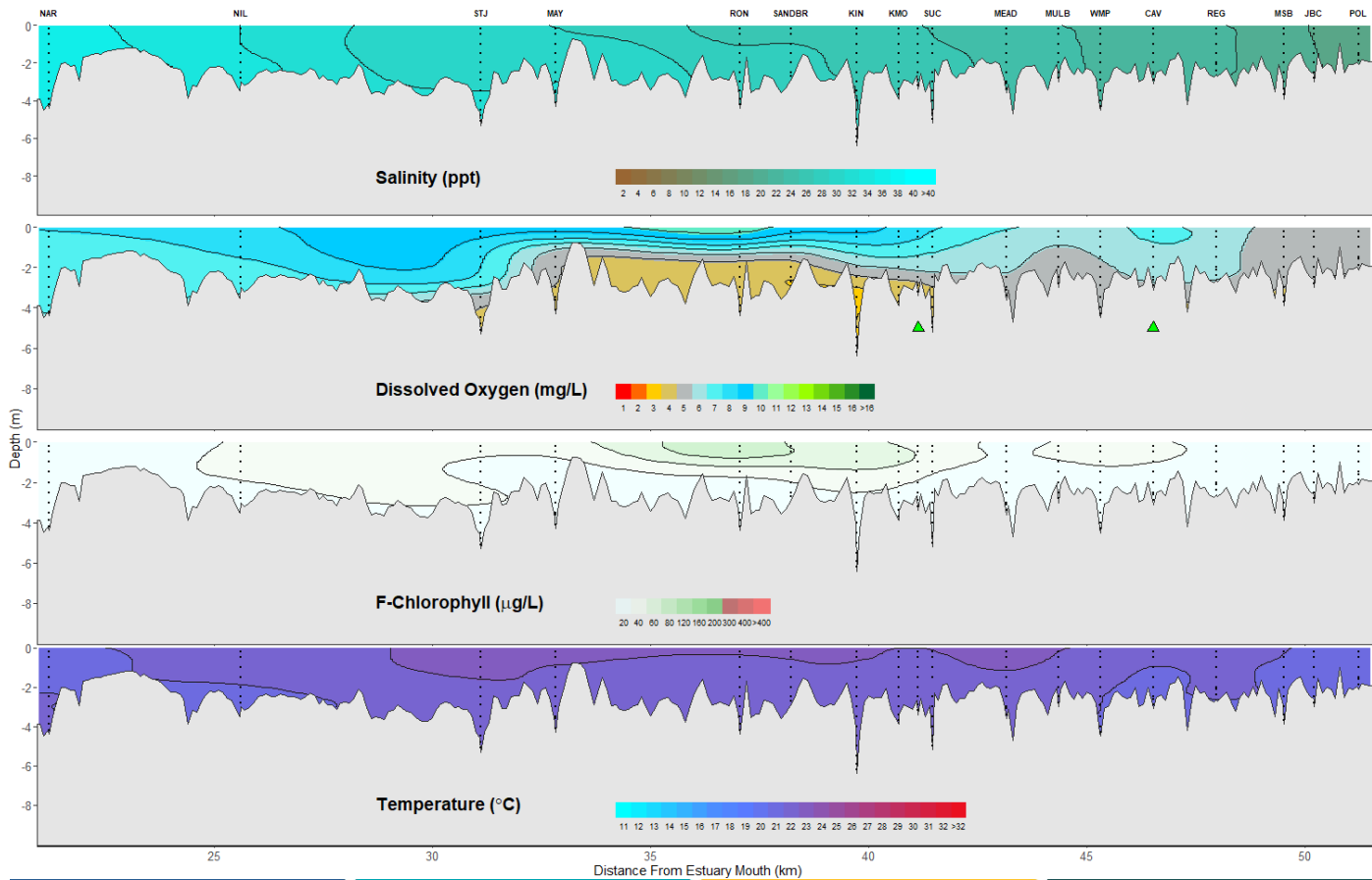
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# Swan Canning Estuary - Water Quality Profiles – 20 April 2026



# Middle and Upper Swan Estuary - Water Quality Profiles – 20 April 2026



Date: 20 April 2026

Weather & tide conditions: Conditions were cloudy with a north westerly breeze of up to 8.1 knots. The predicted tides at Barrack St were 0.75 m at 3:30 am (low tide) and 1.21 m at 1:55 pm (high tide). Perth recorded 20.6 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 the mouth to BLA, then saline to NAR. Waters were oxygenated to well-oxygenated throughout and chlorophyll fluorescence was low. Water temperatures ranged from 20.7 to 21.2 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary was saline throughout. Waters were oxygenated to well-oxygenated, with low oxygen bottom waters from STJ to RON. Chlorophyll fluorescence was low, except for moderate levels detected in the surface waters at RON. Water temperatures ranged from 20.8 to 22.4 °C.

Upper Swan Estuary (SANDBR to POL): The Upper Swan Estuary was saline at SANDBR and KIN, then brackish with saline bottom waters from SANDBR to VIT and brackish throughout the water column from SUC to POL. Waters were oxygenated to well-oxygenated, except for low oxygen bottom waters from SANDBR to VIT and throughout the water column at MSB. Chlorophyll fluorescence was low, with moderate levels detected in surface waters from SANDBR to KMO. Water temperatures ranged from 20.6 to 22.6 °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 20 April 2026*. Rivers and Estuaries Science (<https://www.dpaw.wa.gov.au/management/swan-canning-riverpark>)