



Department of Biodiversity,  
Conservation and Attractions



Biodiversity and  
Conservation Science

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# Swan Canning Estuary Water Quality Monitoring Project

## Weekly Water Quality Report

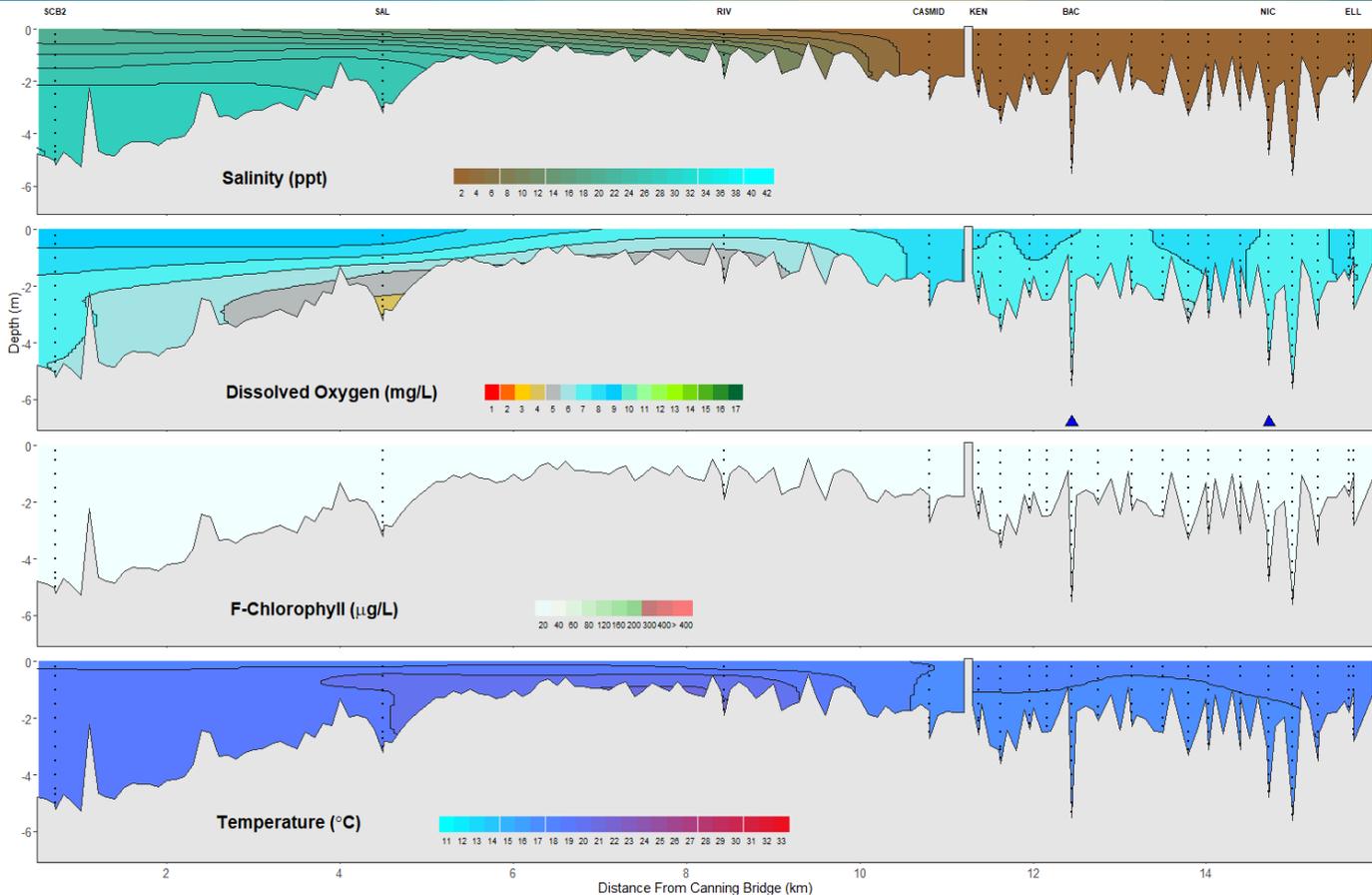
## Canning Estuary and Lower Canning River

15<sup>th</sup> September 2020

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## Canning Estuary and Lower Canning River- Water Quality Profiles- 15<sup>th</sup> September 2020



Date: 15<sup>th</sup> September 2020

Weather & tide conditions: Conditions were clear with a predominately south easterly breeze of up to 4 knots. The predicted tides at Barrack St were 1.04 m at 9:03 am (high tide) and 0.58 m at 7:02 pm (low tide). Gosnells recorded 2.0 mm of rainfall during the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were operational but not triggered to provide oxygen in the 24 hours prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL, brackish at RIV and fresh at CASMID. Waters were oxygenated or well oxygenated, except at SAL where bottom waters were low in oxygen. Chlorophyll fluorescence was low throughout this zone. Water temperature ranged from 16.7 to 20.5 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and waters were oxygenated or well oxygenated. Chlorophyll fluorescence was low throughout this zone. Water temperature ranged from 15.8 to 17.9 °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 >35  
Dissolved oxygen – well oxygenated >6mg/L, oxygenated >4-6mg/L, low oxygen >2-4mg/L, hypoxic 0.5-2mg/L, anoxic <0.5mg/L