



# Swan Canning Estuary Water Quality Monitoring Project

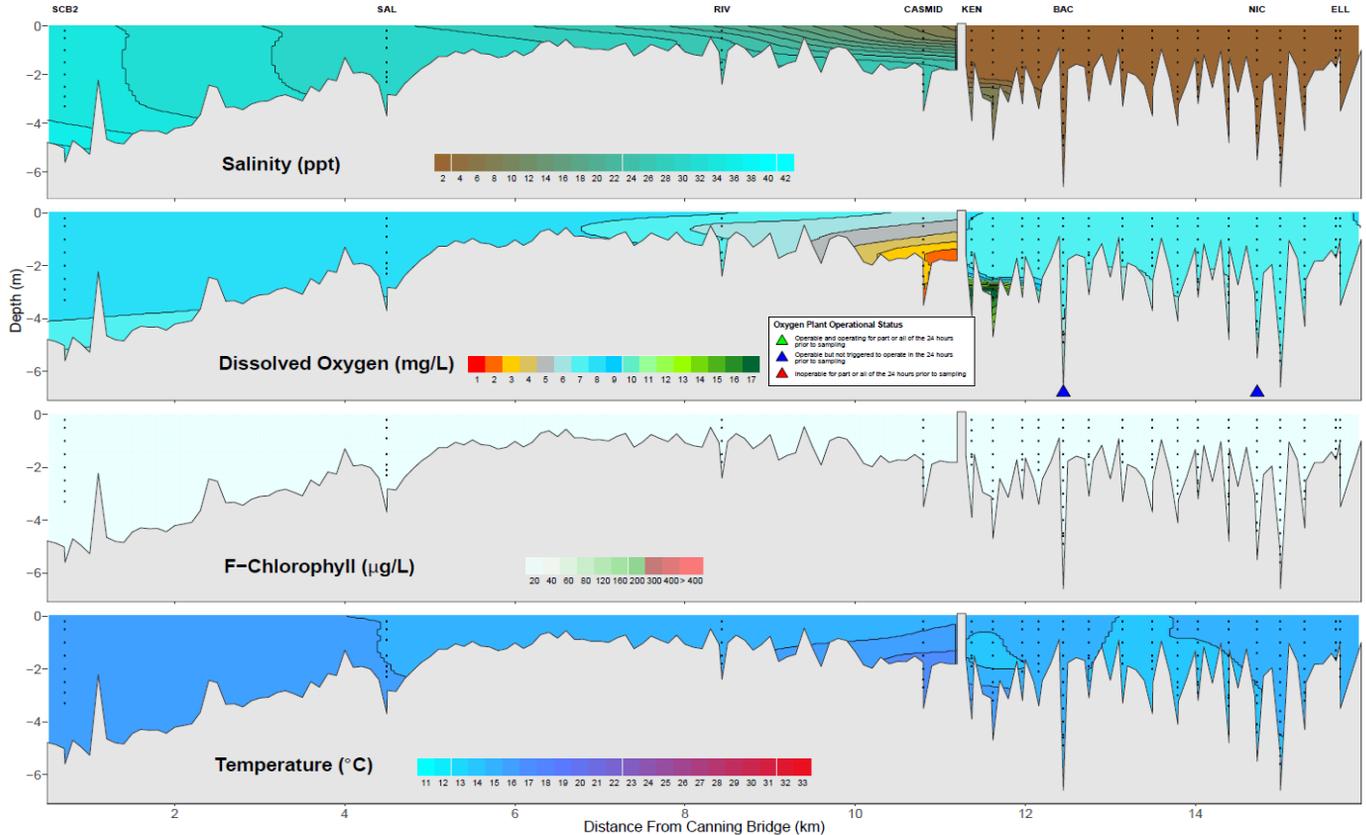
## Weekly Profile Report for the Canning Estuary and Lower Canning River

23<sup>rd</sup> June 2020

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### Canning River Estuary – Physical-Chemical Profile – 23rd Jun 2020



Date: 23<sup>rd</sup> June 2020

Weather & tide conditions: Conditions were clear with a westerly breeze of up to 14 knots. The predicted tides at Barrack St were 1.27 m at 12:08 am (high tide) and 0.67 m at 10:48 pm (low tide). Flow was observed at Kent St Weir. Gosnells recorded no rainfall during the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and the 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 saline between SCB2 and SAL and brackish over saline from RIV to CASMID. Surface waters were oxygenated or well oxygenated and bottom waters were low in oxygen at CASMID. Chlorophyll fluorescence was low throughout this zone. Water temperature ranged from 14.6 to 16.3 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout except at KENU300 which was fresh over brackish. Waters were oxygenated or well oxygenated and chlorophyll fluorescence was low throughout this zone. Water temperature ranged from 13.8 to 16.0 °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