



Department of Biodiversity,
Conservation and Attractions



Biodiversity and
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Swan Canning Estuary Water Quality Monitoring Project

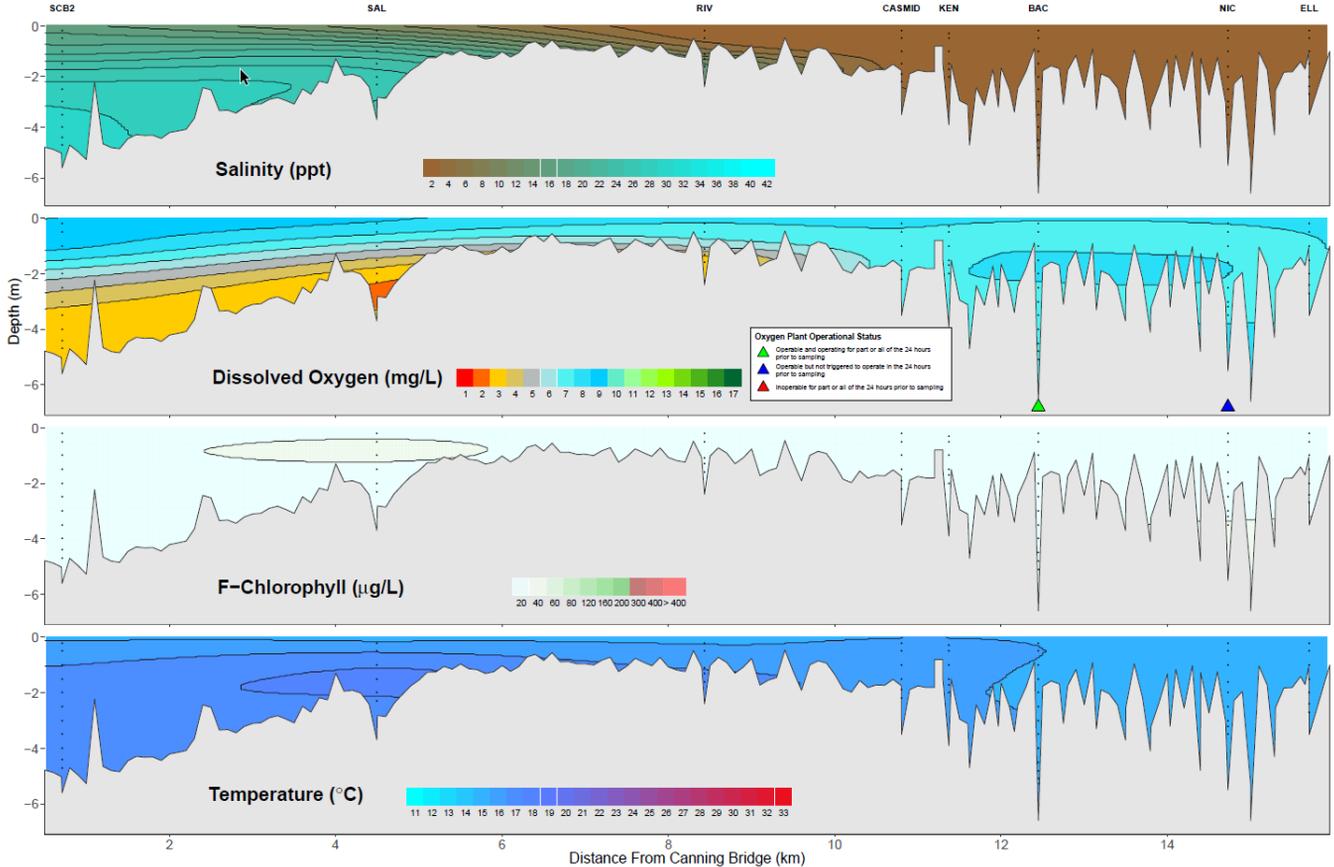
Weekly Profile Report for the Canning Estuary and Lower Canning River

06 August 2019

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Canning River Estuary – Physical-Chemical Profile – 6th Aug 2019



Date: 6 August 2019

Weather & tide conditions: Conditions were overcast with up to 90% cloud cover and predominantly southerly breezes of up to 3 knots. The tide was in flood during the sampling period. Gosnells recorded 1.2mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were operational but not triggered on during the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL and fresh over brackish at RIV. Surface waters were well oxygenated from SCB2 to RIV with low oxygen and hypoxic bottom waters. Waters were fresh and well oxygenated throughout at CASMID. Water temperature ranged from 15 to 17.1° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 14.8 to 15.1° C.

Recommended reference

Department of Biodiversity, Conservation and Attractions 2019. *Swan Canning estuary water quality monitoring weekly profile report, Canning River Estuary, 6 August 2019*. Rivers and Estuaries Science Program
(<https://www.dpaw.wa.gov.au/management/swan-canning-riverpark>)

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.