



Department of Biodiversity,
Conservation and Attractions



Biodiversity and
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Swan Canning Estuary Water Quality Monitoring Project

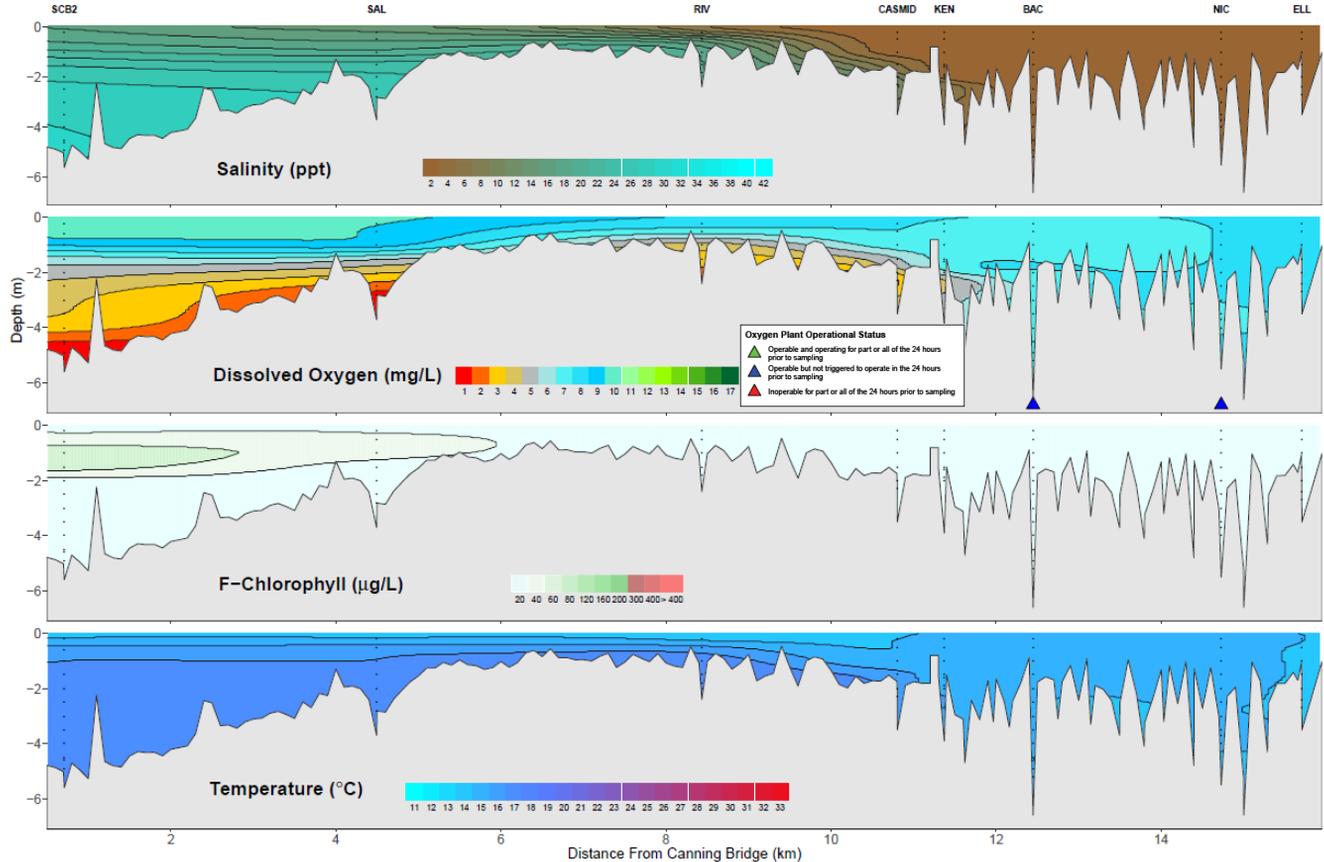
Weekly Profile Report for the Canning Estuary and Lower Canning River

30 July 2019

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Canning River Estuary – Physical-Chemical Profile – 30th Jul 2019



Date: 30 July 2019

Weather & tide conditions: Conditions were mildly overcast with up to 10% cloud cover and a predominantly south-easterly breeze of up to 2.5 knots. The tide was ebbing during the sampling period. Gosnells recorded 5mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were not operating in the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2, brackish at SAL, brackish throughout at RIV and fresh over brackish at CASMID. Surface waters were generally well oxygenated, with hypoxic and anoxic waters at depth. Water temperature ranged from 13.8 to 16.6° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and oxygenated throughout all sites. Water temperature ranged from 13.8 to 14.5° C.

Recommended reference

Department of Biodiversity, Conservation and Attractions 2019. *Swan Canning estuary water quality monitoring weekly profile report, Canning River Estuary 30 July 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.