



Department of Biodiversity,
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Swan Canning Estuary Water Quality Monitoring Project

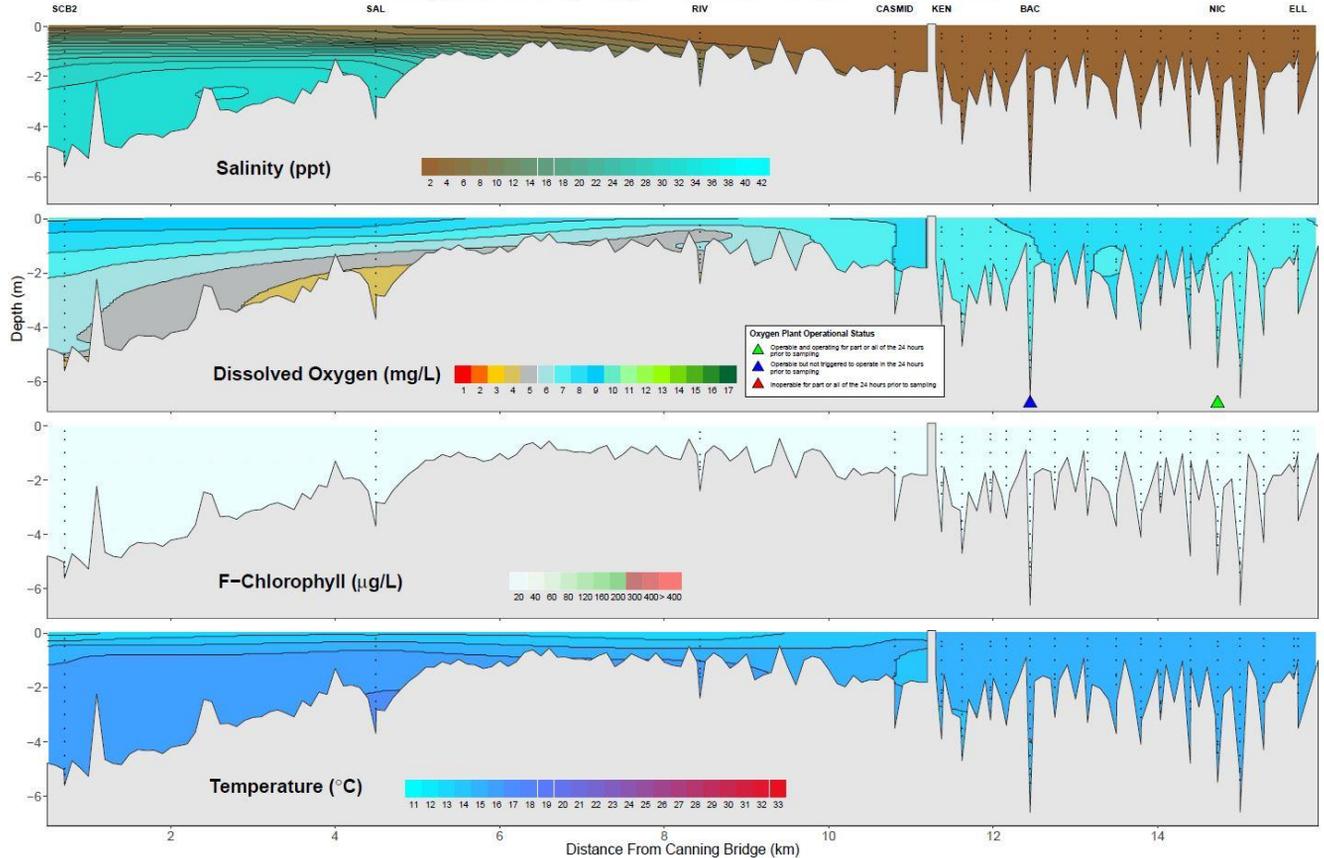
Weekly Profile Report for the Canning Estuary and Lower Canning River

2 July 2019

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Canning River Estuary – Physical-Chemical Profile – 2nd Jul 2019



Date: Tuesday, 2 July 2019

Weather & tide conditions: Conditions were fine with up to 20% cloud cover and a predominantly easterly breeze of up to 1.7 knots. The tide was largely stationary during the sampling period. Gosnells recorded 43 mm 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 the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL, fresh over brackish at RIV and fresh at CASMID. Water was oxygenated to well oxygenated, with the exception of low oxygen bottom waters at SCB2 and SAL. Water temperature ranged from 12.6 to 15.6° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated throughout all sites. Water temperature ranged from 13.5 to 15.0° C.

Recommended reference

Department of Biodiversity, Conservation and Attractions 2019. *Swan Canning estuary water quality monitoring weekly profile report, Canning River Estuary 2 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.