



## Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 18<sup>th</sup> June 2019

Weather & tide conditions: Conditions were overcast with up to 80% cloud cover and a predominantly south-easterly breeze of up to 3 knots. The tide was flowing during the sampling period. Gosnells recorded 11.2 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 from SCB2 to RIV and fresh over brackish at CASMID. Water was well oxygenated to oxygenated throughout, with the exception of hypoxic bottom water at RIV and CASMID. Water temperature ranged from 11.7 to 16.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout. Water temperature ranged from 13.0 to 14.2 ° C.

**Definitions:**

Salinity – fresh <5ppt, brackish 5-25ppt, saline 25-35ppt, hypersaline >35ppt

Dissolved oxygen – well oxygenated >6 mg/L  
oxygenated >4 to 6 mg/L, low oxygen >2 to 4 mg/L,  
hypoxic >0.5 to 2.0 mg/L, near anoxic <0.5 mg/L

# Canning River Estuary - Physical-Chemical Profile - Tuesday 18<sup>th</sup> June 2019

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