



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 28<sup>th</sup> May 2019

Weather & tide conditions: Conditions were fine with 0% cloud cover and a north-easterly to south-easterly breeze of up to 7 knots. The tide was flowing during the sampling period. Gosnells recorded 0 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 saline to hypersaline at SCB2, saline from SAL to RIV, and brackish over saline from BWP to KEND50. Water was well oxygenated to oxygenated throughout, with the exception of low oxygen bottom water at KEND50. Water temperature ranged from 13.8 to 19.3 ° 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, with the exception of low oxygen bottom water at ELL. Water temperature ranged from 13.3 to 14.7 ° 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 - 28<sup>th</sup> May 2019

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