



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 20<sup>th</sup> March 2018

Weather & tide conditions: Conditions were fine with up to 80% cloud cover and a predominantly south easterly breeze of up to 12 knots. The tide was flowing during the sampling period. Gosnells recorded 4.6 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 at SCB2 and SAL and brackish over saline at RIV and CASMID. Water was well oxygenated to oxygenated throughout, with the exception of low oxygen bottom water at RIV and near anoxic bottom water at CASMID. Water temperature ranged from 21.0 to 27.3 ° 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 PO2 and PAC, and hypoxic bottom water at ELL. Water temperature ranged from 21.3 to 23.7 ° 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 - 20th March 2018

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