



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 10<sup>th</sup> April 2018

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and a south-westerly breeze of up to 3 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 Nicholson Rd oxygenation plant was operational the week prior to sampling, while the Bacon St oxygenation plant was operational from 03/04/18.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline from SCB2 to SAL and brackish over saline from RIV to CASMID. Water was well oxygenated throughout, with the exception of bottom water low in oxygen at RIV and hypoxic at CASMID. Water temperature ranged from 19.8 to 25.2 ° 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 all sites. Water temperature ranged from 20.2 to 21.8 ° 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 - 10th April 2018

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