



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 29<sup>th</sup> May 2018

Weather & tide conditions: Conditions were fine with up to 40% cloud cover and a north to north-easterly breeze of up to 2 knots. The tide was flowing during the sampling period. Gosnells recorded 59.8 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 SAL to SCB2 and fresh over brackish from RIV to CASMID. Water was well oxygenated to oxygenated at all sites with the exception of hypoxic bottom water at RIV and CASMID. Water temperature ranged from 14.4 to 17.6 ° 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 all sites. Water temperature ranged from 15.3 to 16.1 ° 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 - 29th May 2018

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