



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

by

Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 1<sup>st</sup> May 2018

Weather & tide conditions: Conditions were fine with up to 85% cloud cover and a south-easterly breeze of up to 12 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 from SCB2 to RIV and brackish over saline at CASMID. Water was well oxygenated to oxygenated at SCB2, whilst surface water was well oxygenated to oxygenated and bottom water was low in oxygen from SAL to CASMID. Water temperature ranged from 19.1 to 23.3 ° 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 all sites. Water temperature ranged from 18.5 to 19.6 ° 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 - 1st May 2018

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