



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

by

Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 23<sup>rd</sup> January 2018

Weather & tide conditions: Conditions were fine with up to 30% cloud cover and a predominantly easterly 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 Road and Bacon Street oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2, brackish over saline at SAL, brackish at RIV and fresh over brackish CASMID. Water was well oxygenated to oxygenated throughout all sites with the exception of low oxygen bottom water at SCB2, SAL and RIV. Water temperature ranged from 25.1 to 30.3 ° 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 from KEN to PAC, with the exception of low oxygen bottom water at KEN, NIC and KS9, and hypoxic bottom water at KS7 and PAC, and low oxygen water throughout ELL. Water temperature ranged from 24.2 to 28.6 ° 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 - 23rd January 2018

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