



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 14<sup>th</sup> November 2017

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and a predominantly south easterly breeze of up to 15 knots. The tide was ebbing during the sampling period. Gosnells recorded 0.3 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was operational the week prior to sampling, while the Bacon Street oxygenation plant was operational up to 11<sup>th</sup> November.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2, brackish on the surface over saline bottom water at SAL, brackish at RIV and fresh on the surface over brackish bottom water at CASMID. Water was mostly well oxygenated to oxygenated throughout all sites with the exception of hypoxic bottom water at CASMID. Water temperature ranged from 22.4 to 29.0 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was mostly well oxygenated to oxygenated at all sites, with the exception of bottom water that was low in oxygen at KEN, BACD300, PAC and ELL. Water temperature ranged from 20.5 to 25.2 ° 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 - 14th November 2017

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