



## 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> August 2017

Weather & tide conditions: Conditions were overcast with 100% cloud cover and no breeze. 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 not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2, fresh over brackish at SAL and RIV and fresh throughout CASMID. Water was well oxygenated to oxygenated, with the exception of hypoxic bottom water at SCB2 and SAL. Water temperature ranged from 16.0 to 17.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites. Water temperature ranged from 16.3 to 16.6 ° 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 - 29th August 2017

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