



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 19<sup>th</sup> September 2017

Weather & tide conditions: Conditions were fine with up to 80% cloud cover and no wind. The tide was flowing during the sampling period. Gosnells recorded 0.4 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 not.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2, brackish from SAL to RIV and fresh at CASMID. Water was mostly well oxygenated to oxygenated throughout all sites with the exception of low in oxygen bottom water at SCB2 and SAL. Water temperature ranged from 17.1 to 22.1 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was mostly well oxygenated to oxygenated throughout all sites, with the exception of bottom water that was low in oxygen at KEN and hypoxic at KENU300 and BAC. Water temperature ranged from 16.0 to 19.1 ° 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 - 19th September 2017

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