



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 24<sup>th</sup> July 2018

Weather & tide conditions: Conditions were fine with up to 70% cloud cover and a predominantly north-easterly breeze of up to 3 knots. The tide was flowing during the sampling period. Gosnells recorded 35.6 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 brackish over saline at SCB2, fresh over brackish at SAL and fresh at RIV and CASMID. Water was well oxygenated to oxygenated throughout, with the exception of bottom waters low in oxygen at SAL and hypoxic at SCB2. Water temperature ranged from 14.5 to 16.4 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated throughout all sites. Water temperature ranged from 14.9 to 15.1 ° 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 - 24<sup>th</sup> July 2018

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