



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

by  
Water Science Branch, Department of Water and Environmental Regulation

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

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and an east to south-easterly breeze of up to 4 knots. The tide was flowing during the sampling period. Gosnells recorded 12.8 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2 and SAL, brackish over saline at RIV and fresh over saline at CASMID. Water was well oxygenated to oxygenated throughout, with the exception bottom waters low oxygen in oxygen at RIV and hypoxic at CASMID. Water temperature ranged from 18.6 to 21.7 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water well oxygenated to oxygenated throughout, with the exception of low oxygen bottom water from MACD50 to ELL. Water temperature ranged from 18.7 to 19.6 °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 mg/L, near anoxic <0.5 mg/L

# Canning River Estuary - Physical-chemical Profile - 24th April 2018

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