



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Wednesday 24<sup>th</sup> April 2019

Weather & tide conditions: Conditions were fine with 0% cloud cover and a predominantly easterly breeze of up to 3 knots. The tide was flowing during the sampling period. Gosnells recorded 12 mm of rainfall during the week prior to 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 hypersaline to saline from SCB2 to SAL and brackish over saline from RIV to CASMID. Water was mostly well oxygenated to oxygenated throughout with the exception of bottom water that was low in oxygen at RIV and near anoxic at CASMID. Water temperature ranged from 17.5 to 22.0 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout all sites. Water temperature ranged from 15.7 to 17.8 ° 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 - 24th April 2019

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