



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 18<sup>th</sup> September 2018

Weather & tide conditions: Conditions were fine with up to 60% cloud cover and a south easterly breeze of up to 3 knots. The tide was ebbing during the sampling period. Gosnells recorded 0.4 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 brackish over saline at SCB2, fresh over brackish at SAL and fresh throughout RIV and CASMID. Surface water was well oxygenated at SCB2 and SAL, while bottom water was near anoxic. Water was well oxygenated throughout RIV and CASMID. Water temperature ranged from 14.0 to 17.2 ° 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 14.1 to 14.9 ° 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 Profiles - 18th September 2018

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