



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 31<sup>st</sup> July 2018

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and a predominantly easterly breeze of up to 1 knots. The tide was flowing during the sampling period. Gosnells recorded 37.8 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 at SCB2, fresh over brackish at SAL and fresh from RIV to CASMID. Water was well oxygenated on the surface of SCB2 and SAL and throughout RIV and CASMID, while bottom water was low in oxygen at SCB2 and SAL. Water temperature ranged from 13.4 to 16.5 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites and water was well oxygenated throughout all sites. Water temperature ranged from 14.3 to 14.8 ° 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 Profiles -31st July 2018

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