



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 3<sup>rd</sup> July 2018

Weather & tide conditions: Conditions were fine with up to 80% cloud cover and a predominantly north westerly breeze of up to 12 knots. The tide was flowing during the sampling period. Gosnells recorded 69 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, brackish at SAL and fresh over brackish at RIV and CASMID. Water was well oxygenated on the surface of all sites, and bottom water was low in oxygen at SCB2, SAL and CASMID and hypoxic at RIV. Water temperature ranged from 14.4 to 16.8 ° 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 15.2 to 15.7 ° 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 - 3<sup>rd</sup> July 2018

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