



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Wednesday 5<sup>th</sup> June 2019

Weather & tide conditions: Conditions were fine with up to 70% cloud cover and a predominantly north-easterly breeze of up to 8 knots. The tide was flowing during the sampling period. Gosnells recorded 0 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 hypersaline at SCB2, saline at SAL, RIV and KEND50, and brackish over saline at CASMID. Water was well oxygenated to oxygenated throughout, with the exception of low oxygen surface water at KEND50 and bottom water which was low in oxygen at CASMID and near anoxic at KEND50. Water temperature ranged from 12.2 to 18.1 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was well oxygenated to oxygenated throughout, with the exception of low oxygen bottom water at ELL. Water temperature ranged from 13.1 to 14.0 ° 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 - 5<sup>th</sup> June 2019

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