



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 8<sup>th</sup> January 2019

Weather & tide conditions: Conditions were fine with up to 30% cloud cover and a predominantly east to south-easterly breeze of up to 6 knots. The tide was flowing during the sampling period. Gosnells recorded 0 mm of rainfall during the week prior 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 saline at SCB2 and SAL and brackish at RIV and CASMID. Water was well oxygenated to oxygenated on the surface of all sites, and bottom water was low in oxygen at CASMID and RIV. Water temperature ranged from 24.8 to 31.2 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was mostly well oxygenated to oxygenated throughout all sites, with the exception of low oxygen bottom water at MACD50, KEN and BAC, and near anoxic bottom water at KS7, PAC and ELL. Water temperature ranged from 21.5 to 27.4 ° 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 - 8<sup>th</sup> January 2018

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