



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 9<sup>th</sup> January 2018

Weather & tide conditions: Conditions were fine with 0% cloud cover and a predominantly easterly breeze of up to 7 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 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 over saline at RIV. Water was well oxygenated to oxygenated throughout, with the exception of low oxygen bottom water at RIV. Water temperature ranged from 23.5 to 27.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout all sites, with the exception of low oxygen bottom water at KEN and ELL, and hypoxic bottom water at PAC. Water temperature ranged from 23.1 to 26.2 ° 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 - 9th January 2018

Prepared by Water Science Branch, Department of Water and Environmental Regulation

