



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 19<sup>th</sup> December 2017

Weather & tide conditions: Conditions were fine with up to 20% cloud cover and a south easterly breeze of up to 18 knots. The tide was flowing during the sampling period. Gosnells recorded 22.6 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 saline at SCB2, brackish on the surface over saline bottom water at SAL and fresh on the surface over brackish bottom water at RIV. Water was mostly well oxygenated to oxygenated throughout with the exception of bottom water that was low in oxygen at RIV. Water temperature ranged from 20.6 to 22.1 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated at KEN, oxygenated from KENU300 to BAC and at NIC, KS9 and ELL and oxygenated on the surface over low in oxygen bottom water from BACU300 to NICD200 and at PAC. Water temperature ranged from 19.5 to 22.4 ° 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 - 19th December 2017

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

