



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

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 7th November 2017

Weather & tide conditions: Conditions were fine with 0% cloud cover and a predominantly easterly breeze of up to 6 knots. The tide was ebbing 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, brackish on the surface over saline bottom water at SAL, brackish at RIV and fresh on the surface over brackish bottom water at CASMID. Water was well oxygenated to oxygenated at all sites. Water temperature ranged from 21.0 to 26.3 ° 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 near anoxic bottom water at KS7 and ELL. Water temperature ranged from 18.6 to 23.1 ° 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 - 7th November 2017

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