



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

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 26th February 2019

Weather & tide conditions: Conditions were overcast with up to 80% cloud cover and a predominantly south-easterly breeze of up to 5 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 to hypersaline from SCB2 to RIV and brackish over saline at CASMID. Water was well oxygenated to oxygenated with the exception of low oxygen bottom water at RIV and CASMID. Water temperature ranged from 24.4 to 28.7 ° 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 hypoxic bottom water at KEN, KS7, PAC and ELL. Water temperature ranged from 23.8 to 26.6 ° 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 - 26th February 2019

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