



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Wednesday 6th March 2019

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a predominantly north-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 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 hypersaline to saline throughout. Water was well oxygenated to oxygenated throughout with the exception of low oxygen surface water at CASMID. Water temperature ranged from 21.5 to 26.3 ° 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 ELL. Water temperature ranged from 22.4 to 24.0 ° 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 - 6th March 2019

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