



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 26th June 2018

Weather & tide conditions: Conditions were partly cloudy with 95% cloud cover and a north-easterly breeze of up to 6 knots. The tide was flowing during the sampling period. Gosnells recorded 21.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline from SCB2 to RIV and brackish at CASMID. Water was well oxygenated to oxygenated throughout all sites with the exception of low oxygen bottom water at SAL and CASMID. Water temperature ranged from 15.6 to 19.0 ° 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. Water temperature ranged from 14.0 to 14.7 ° 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 June 2018

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