



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 17th July 2018

Weather & tide conditions: Conditions were cloudy with up to 80% cloud cover and a north-easterly to north-westerly breeze of up to 6 knots. The tide was flowing during the sampling period. Gosnells recorded 33.7 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 brackish over saline at SCB2, brackish at SAL and fresh at RIV and CASMID. Water was well oxygenated to oxygenated, with the exception of low oxygen bottom water at SCB2 and SAL. Water temperature ranged from 13.8 to 16.3 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated throughout all sites. Water temperature ranged from 14.2 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 - 17th July 2018

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