



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 23rd October 2018

Weather & tide conditions: Conditions were cloudy with up to 100% cloud cover and a predominantly easterly breeze of up to 4 knots. The tide was flowing during the sampling period. Gosnells recorded 10.2 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 throughout, with the exception of low oxygen bottom water at SCB2 and SAL. Water temperature ranged from 17.2 to 20.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was well oxygenated to oxygenated throughout. Water temperature ranged from 17.1 to 19.3 ° 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 - 23rd October 2018

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