



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 5th September 2017

Weather & tide conditions: Conditions were fine with 5% cloud cover and a predominantly north to north easterly breeze of up to 4 knots. The tide was flowing during the sampling period. Gosnells recorded 16.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Bacon Street oxygenation plant was not operational for the week prior to sampling, while the Nicholson Road oxygenation plant was operational from 30/8/17.

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 mostly well oxygenated to oxygenated with the exception of low oxygen bottom water at SCB2 and SAL. Water temperature ranged from 12.7 to 16.8 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 13.6 to 15.0 ° 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 - 5th September 2017

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