



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 1st August 2017

Weather & tide conditions: Conditions were fine with 0% cloud cover and a south easterly breeze of up to 1 knot. The tide was flowing during the sampling period. Perth recorded 77.8 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was operational the week prior to sampling, and the Bacon Street oxygenation plant was not operational.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2, fresh throughout SAL and CASMID and fresh over brackish at RIV. Water was well oxygenated to oxygenated, with the exception of low oxygen bottom water at RIV. Water temperature ranged from 11.2 to 16.6 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites. Water temperature ranged from 12.4 to 12.9 °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 - 1st August 2017

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