



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 12th June 2018

Canning Estuary run: SCB2 (07:56) upstream to SAL (08:25) on the Kepa. Crew of Rebecca

Weather & tide conditions: Conditions were cloudy with up to 100% cloud cover, intermittent rainfall and a north-easterly breeze of up to 3 knots. The tide was flowing during the sampling period. Gosnells recorded 42.7 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 at SCB2 and SAL, fresh over brackish at RIV and fresh at CASMID. Water was well oxygenated to oxygenated throughout all sites, with the exception of low oxygen bottom water at SAL and RIV. Water temperature ranged from 14.3 to 16.9° 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 14.5 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 - 12th June 2018

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