



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Wednesday 6th June 2018

Weather & tide conditions: Conditions were cloudy with up to 90% cloud cover, intermittent showers and a predominantly north-westerly breeze of up to 5 knots. The tide was flowing during the sampling period. Gosnells recorded 4 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 saline at SCB2 and SAL, and brackish over saline at RIV and CASMID. Water was well oxygenated to oxygenated throughout with the exception of low oxygen bottom water at RIV and CASMID. Water temperature ranged from 14.6 to 17.3 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh over brackish at KEN and KENU300, and fresh from BACD500 to ELL. Water was well oxygenated to oxygenated throughout all sites, with the exception of low oxygen bottom water at KEN and KUNU300. Water temperature ranged from 14.4 to 15.8 ° 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 - 6th June 2018

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