



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 13th March 2018

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and a north-easterly to south-easterly breeze of up to 11 knots. The tide was flowing during the sampling period. Gosnells recorded 0 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 throughout, with the exception of brackish surface water at CASMID. Water was well oxygenated to oxygenated throughout, with the exception of low oxygen bottom water at RIV. Water temperature ranged from 23.3 to 26.5 ° 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, with the exception of low oxygen bottom water at KS7 and hypoxic bottom water at PAC and ELL. Water temperature ranged from 22.6 to 25.4 ° 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 - 13th March 2018

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