



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Thursday 3rd January 2019

Weather & tide conditions: Conditions were fine with up to 60% cloud cover and a predominantly south-westerly breeze of up to 10 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 Nicholson Road and Bacon Street 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 at RIV and CASMID. Water was well oxygenated to oxygenated with the exception of low oxygen bottom water at RIV and throughout CASMID. Water temperature ranged from 23.8 to 28.4 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites, with the exception of near anoxic bottom water at ELL, PAC and KS7, and low oxygen bottom water at MACD50. Water temperature ranged from 21.8 to 26.1 ° 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 - 3rd January 2019

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