



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 21st May 2019

Weather & tide conditions: Conditions were fine with up to 100% cloud cover and a predominantly east to north-easterly breeze of up to 3 knots. The tide was flowing during the sampling period. Gosnells recorded 6.2 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 hypersaline at SCB2, saline at SAL and brackish over saline at RIV and CASMID. Water was well oxygenated to oxygenated throughout, with the exception of low in oxygen bottom water at RIV and CASMID. Water temperature ranged from 15.2 to 17.9 ° 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, with the exception of low oxygen bottom water at ELL. Water temperature ranged from 12.9 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 - 21st May 2019

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