



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Wednesday 4th April 2018

Weather & tide conditions: Conditions were fine with up to 10% cloud cover and a predominantly south easterly breeze of up to 5 knots. The tide was flowing during the sampling period. Gosnells recorded 0 mm of rainfall during the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Rd oxygenation plant was operational the week prior to sampling, while the Bacon St oxygenation plant was operational up to 31/3/18.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline from SCB2 to RIV and brackish over saline at CASMID. Water was mostly well oxygenated to oxygenated throughout all sites with the exception of bottom water that was low in oxygen at CASMID. Water temperature ranged from 22.8 to 26.1 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was mostly well oxygenated to oxygenated throughout all sites, with the exception of bottom water that was hypoxic at KEN and ELL and near anoxic at KS7. Water temperature ranged from 21.3 to 23.7 ° 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 - 4th April 2018

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