



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 13th February 2018

Weather & tide conditions: Conditions were fine with up to 90% cloud cover and a predominantly southerly breeze of up to 20 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 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 mostly well oxygenated to oxygenated at all sites with the exception of bottom water that was low in oxygen at RIV. Water temperature ranged from 24.3 to 29.3 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated at all sites with the exception of bottom water that was low in oxygen at BACD300, BACU300, GRE and ELL, hypoxic at BAC and near anoxic at PAC. Water temperature ranged from 23.0 to 25.7 ° 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 - 13th February 2018

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