



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 10th October 2017

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a westerly breeze of up to 8 knots. The tide was ebbing during the sampling period. Gosnells recorded 3.6 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was operational the week prior to sampling, while the Bacon Street oxygenation plant was not.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish at SCB2 and SAL, fresh over brackish at RIV and fresh at CASMID. Water was well oxygenated to oxygenated at all sites. Water temperature ranged from 16.3 to 21.3 ° 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 low oxygen bottom water at KENU300. Water temperature ranged from 15.8 to 17.3 ° 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 - 10th October 2017

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