



**Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile**

by
Water Science Branch, Department of Water

Date: Tuesday 27th June 2017

Weather & tide conditions: Conditions were fine with up to 35% cloud cover and no wind. The tide was flowing during the sampling period. Perth recorded 61.8 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road oxygenation plant was operational the week prior to sampling, while Bacon Street oxygenation plant was operational up to 22/6/17.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was Saline throughout SCB2 and SAL, brackish at RIV and fresh over brackish at CASMID. Water was mostly well oxygenated to oxygenated at all sites with the exception of low oxygen bottom water at RIV and CASMID. Water temperature ranged from 12.5 to 17.0 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was mostly fresh throughout all sites with the exception of brackish bottom water at KEN, KENU300 and BAC. Water was mostly well oxygenated to oxygenated throughout all sites, with the exception of hypoxic bottom water at KENU300 and BAC. Water temperature ranged from 12.6 to 16.7 ° 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 - 27th June 2017

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