



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 9th October 2018

Weather & tide conditions: Conditions were fine with up to 30% cloud cover and an easterly to south-easterly breeze of up to 9 knots. The tide was flowing during the sampling period. Gosnells recorded 5.6 mm of rainfall during the week prior to the morning of 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 brackish over saline at SCB2 and SAL, brackish at RIV and fresh over brackish at CASMID. Water was well oxygenated to oxygenated throughout, with the exception of bottom water low in oxygen at SCB2 and SAL. Water temperature ranged from 18.0 to 21.7 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was well oxygenated to oxygenated throughout, with the exception of low oxygen bottom water at KENU300. Water temperature ranged from 18.5 to 21.8 ° 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 - 9th October 2018

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