



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 16th October 2018

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and a predominantly north-easterly breeze of up to 5 knots. The tide was ebbing during the sampling period. Gosnells recorded 23.3 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, fresh over brackish from SAL to RIV, and fresh at CASMID. Water was well oxygenated through, with the exception of hypoxic bottom water at SCB2. Water temperature ranged from 17.8 to 22.2 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was well oxygenated throughout. Water temperature ranged from 17.5 to 21.1 ° 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 - 16th October 2018

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