



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 13th November 2018

Weather & tide conditions: Conditions were fine with up to 100% cloud cover and a predominantly north-westerly breeze of up to 5 knots. The tide was ebbing during the sampling period. Gosnells recorded 2.0 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 saline at SCB2, brackish over saline at SAL, and fresh over brackish from RIV and CASMID. Water was well oxygenated to oxygenated throughout, with the exception of hypoxic bottom water at CASMID. Water temperature ranged from 20.5 to 24.9 ° 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 bottom water low oxygen at KENU300, GRE, MASD50 and PAC, and hypoxic at KS7 and ELL. Water temperature ranged from 18.8 to 23.8 ° 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 - 13th November 2018

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