



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by

Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 22nd May 2018

Weather & tide conditions: Conditions were fine with 0% cloud cover and a predominantly north easterly breeze of up to 2 knots. The tide was flowing during the sampling period. Gosnells recorded 0 mm of rainfall during the week prior to 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 mostly saline throughout with the exception of brackish surface water at CASMID. Water was mostly well oxygenated to oxygenated throughout with the exception of bottom water that was low in oxygen at CASMID. Water temperature ranged from 15.3 to 18.5 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was well oxygenated to oxygenated at all sites. Water temperature ranged from 14.6 to 16.0 ° 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 - 22nd May 2018

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