



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 2nd October 2018

Weather & tide conditions: Conditions were fine with up to 40% cloud cover and a predominantly south-easterly breeze of up to 5 knots. The tide was ebbing during the sampling period. Gosnells recorded 6.6 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, brackish at SAL, fresh over brackish at RIV and fresh at CASMID. Water was well oxygenated to oxygenated throughout with the exception of bottom water which was near anoxic at SCB2, hypoxic at SAL and low in oxygen at RIV. Water temperature ranged from 16.5 to 18.7 ° 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 16.5 to 17.7 ° 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 Profiles - 2nd October 2018

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