



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 27th February 2018

Weather & tide conditions: Conditions were fine with 0% cloud cover and a predominantly south easterly breeze of up to 8 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 saline at SCB2 and SAL and brackish over saline at RIV and CASMID. Water was oxygenated at SCB2 and SAL while surface water was oxygenated at RIV and CASMID and bottom water was low in oxygen. Water temperature ranged from 21.1 to 27.3 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was mostly well oxygenated to oxygenated throughout all sites, with the exception of bottom water that was low in oxygen at ELL. Water temperature ranged from 22.7 to 24.5 ° 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 - 27th February 2018

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