



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Wednesday 7th March 2018

Weather & tide conditions: Conditions were fine with up to 100% cloud cover and a predominantly south westerly breeze of up to 3 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 from SCB2 to RIV and brackish over saline at CASMID. Surface water was well oxygenated to oxygenated at all sites while bottom water was oxygenated at SCB2 and low in oxygen from SAL to CASMID. Water temperature ranged from 23.8 to 28.0 ° 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 near anoxic at KS7, low in oxygen at MASD50 and hypoxic at ELL. Water temperature ranged from 22.6 to 25.9 ° 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 - 7th March 2018

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