



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 20th February 2018

Weather & tide conditions: Conditions were fine with up to 100% cloud cover and a predominantly south westerly breeze of up to 10 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, brackish over saline at RIV and brackish at CASMID. Water was well oxygenated at SCB2 and oxygenated at SAL. Surface water was oxygenated at RIV and CASMID while bottom water was low in oxygen at RIV and near anoxic at CASMID. Water temperature ranged from 24.4 to 29.6 ° 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 KEN and ELL and near anoxic at KS7. Water temperature ranged from 23.8 to 27.0 ° 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 - 20th February 2018

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