



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 7th May 2019

Weather & tide conditions: Conditions were fine with up to 90% cloud cover and an easterly to south-westerly breeze of up to 4 knots. The tide was flowing during the sampling period. Gosnells recorded 3.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was hypersaline at SCB2, saline at SAL and brackish over saline at RIV and CASMID. Water was well oxygenated to oxygenated throughout, with the exception of bottom water which was low in oxygen at RIV and near anoxic at CASMID. Water temperature ranged from 16.1 to 20.2 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was well oxygenated to oxygenated. Water temperature ranged from 15.5 to 17.5 ° 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 - 7th May 2019

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