



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 22nd January 2019

Weather & tide conditions: Conditions were fine with up to 70% cloud cover and a predominantly south-easterly breeze of up to 12 knots. The tide was ebbing during the sampling period. Gosnells recorded 0 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 saline at SCB2 and SAL, brackish over saline at CASMID and brackish at RIV. Water was oxygenated throughout at SCB2 and SAL and low in oxygen at CASMID and RIV. Water temperature ranged from 26.3 to 31.7 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout, with the exception of bottom water low in oxygen at BAC and near anoxic at KEN, KS7, PAC and ELL. Water temperature ranged from 23.0 to 27.5 ° 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 - 22nd January 2019

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