



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 30th October 2018

Weather & tide conditions: Conditions were fine with up to 60% cloud cover and a predominantly south easterly breeze of up to 8 knots. The tide was ebbing 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 brackish at SCB2 and SAL, fresh over brackish at RIV and fresh at CASMID. Water was well oxygenated to oxygenated throughout. Water temperature ranged from 20.2 to 23.4 ° 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 with the exception of bottom water that was low in oxygen at KEN, BACD300 and BAC and hypoxic at KS7. Water temperature ranged from 18.2 to 22.4 ° 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 - 30th October 2018

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