



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 15th August 2017

Weather & tide conditions: Conditions were overcast with 100% cloud cover and a predominantly south westerly breeze of up to 13 knots. The tide was flowing during the sampling period. Gosnells recorded 95.7 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road and Bacon Street oxygenation plants were not operational for the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was fresh throughout with the exception of saline bottom water at SCB2. Water was mostly well oxygenated with the exception of hypoxic bottom water at SCB2. Water temperature ranged from 14.5 to 16.1 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 14.4 to 14.7 ° 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 - 15th August 2017

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