



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 14th August 2018

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and a predominantly north westerly breeze of up to 4 knots. The tide was flowing during the sampling period. Perth¹ recorded 52.6 mm of rainfall during the week prior to the morning of 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 fresh throughout, with the exception of brackish bottom water at SCB2. Water was well oxygenated to oxygenated, with the exception of near anoxic bottom water at SCB2. Water temperature ranged from 14.2 to 16.4 ° 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 14.5 to 14.6 ° C.

¹Perth rainfall data was used due to the absence of data from the Gosnells City station.

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 Profiles - 14th August 2018

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