



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 22nd August 2017

Weather & tide conditions: Conditions were fine with up to 80% cloud cover and no wind. The tide was flowing during the sampling period. Gosnells recorded 6.2 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 over saline at SCB2, fresh over brackish at SAL and fresh throughout RIV and CASMID. Surface water was well oxygenated at all sites, and bottom water was near anoxic at SCB2, low in oxygen at SAL and well oxygenated from RIV to CASMID. Water temperature ranged from 14.2 to 16.3 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was well oxygenated at all sites. Water temperature ranged from 14.4 to 15.0 °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 August 2017

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