



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 12th February 2019

Weather & tide conditions: Conditions were overcast with up to 85% cloud cover and a predominantly south-easterly breeze of up to 8 knots. The tide was flowing during the sampling period. Gosnells recorded 0 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 hypersaline at SCB2 and saline at SAL and RIV. Water was well oxygenated at SCB2, oxygenated at SAL and low in oxygen at RIV. Water temperature ranged from 23.6 to 25.8 ° 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 all sites, with the exception of hypoxic bottom water at PAC, and near anoxic bottom water at BAC and ELL. Water temperature ranged from 22.6 to 26.0 ° 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 - 12th February 2019

Prepared by Aquatic Science Branch, Department of Water and Environmental Regulation

