



Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 25th July 2017

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a predominantly north easterly breeze of up to 3 knots. The tide was flowing during the sampling period. Construction work at Kent St weir was preventing flow over the weir boards. Perth recorded 50.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road oxygenation plant was operational the week prior to sampling, while Bacon Street oxygenation plant was not.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline from SCB2 to SAL and fresh from RIV to CASMID. Water was well oxygenated to oxygenated at all sites with the exception of low oxygen bottom water at RIV. Water temperature ranged from 15.1 to 16.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated at all sites. Water temperature ranged from 14.8 to 15.2 ° 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 - 25th July 2017

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

