



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by

Water Science Branch, Department of Water and Environmental Regulation

Date: Wednesday 27th September 2017

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a north to north westerly breeze of up to 2 knots. The tide was flowing during the sampling period. Gosnells recorded 37.7 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2, fresh over brackish at SAL and fresh throughout RIV and CASMID. Water was well oxygenated, with the exception of low oxygen bottom water at SCB2 and SAL. Water temperature ranged from 14.4 to 18.5 ° 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 15.1 ° 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 - 27th September 2017

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

