



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water

Date: Tuesday 19th May 2015

Weather & tide conditions: Conditions were overcast with up to 75% cloud cover and an east to south easterly breeze of up to 5 knots. The tide was flowing for the duration of the sampling period. Perth recorded 78.8 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon Street, Camsell Way and Nicholson Road oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL, fresh over saline at RIV and fresh throughout CASMID. Water was well oxygenated throughout, with the exception of low oxygen bottom water at RIV. Water temperature ranged from 13.2 to 16.0 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated on the surface over oxygenated bottom water, with the exception of ELL which was well oxygenated throughout. Water temperature ranged from 14.6 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 - 19 May 2015

