



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water

Date: Tuesday 26th May 2015

Weather & tide conditions: Conditions were overcast with up to 95% cloud cover and a north easterly breeze of up to 2 knots. The tide was flowing for the duration of the sampling period. Perth recorded 0 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 saline throughout at SCB2, brackish over saline at SAL and RIV, and fresh over saline at CASMID. Water was oxygenated to well oxygenated at all sites, with the exception of hypoxic bottom water at RIV and CASMID. Water temperature ranged from 13.6 to 19.1 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated at all sampled sites, except for bottom water which was oxygenated at BAC, and hypoxic at KENU300. Water temperature ranged from 14.0 to 15.7 °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 - 26th May 2015

