



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water

Date: Tuesday 14th July 2015

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and a north to north easterly breeze of up to 4 knots. The tide was flowing for the duration of the sampling period. Perth recorded 10.6 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 and SAL, brackish over saline at RIV, then fresh over brackish at CASMID. Surface water was well oxygenated throughout at all sites. Bottom water well oxygenated at SCB2, oxygenated at SAL, then low in oxygen at RIV and CASMID. Water temperature ranged from 11.5 to 17.2 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout at all sites with the exception of oxygenated bottom water at KS7. Water temperature ranged from 11.5 to 13.1 °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 - 14th July 2015

