



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
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Date: Wednesday 3rd June 2015

Weather & tide conditions: Conditions were overcast with up to 60% cloud cover and predominantly a north westerly breeze of up to 5 knots. The tide was flooding and water was flowing downstream over the Kent Street weir boards. Perth recorded 7.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon Street and Camsell Way oxygenation plants were operational the week prior to sampling. The Nicholson Road plant was operational up to the 1st June 2015.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout at SCB2 and SAL, brackish over saline at RIV and fresh over saline at CASMID. Water was oxygenated to well oxygenated at all sites, with the exception of hypoxic bottom water at CASMID. Water temperature ranged from 14.4 to 18.7 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated on the surface at all sites sampled. Bottom water was brackish from KEN to BAC then fresh at BACU300 and from NIC to ELL. Bottom water was low in oxygen at KEN and KENU300, well oxygenated from BACD500 to BACU300 and oxygenated from NIC to ELL. Water temperature ranged from 12.9 to 16.9 °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 - 3rd June 2015

