



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
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Date: Tuesday 5th May 2015

Weather & tide conditions: Conditions were fine with up to 10% cloud cover and an east to south easterly breeze of up to 5 knots. The tide was flooding for the duration of the sampling period and water was flowing downstream over the Kent Street weir. Perth recorded 5.4 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 at SCB2 and SAL, brackish on the surface and saline on the bottom at RIV, then fresh over saline at CASMID. Water was well oxygenated to oxygenated at SCB2 and SAL, low in oxygen throughout at RIV, then well oxygenated over hypoxic at CASMID. Water temperature ranged from 14.6 to 19.9 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated all sites, with the exception of brackish hypoxic bottom water at KENU300 and KEN. Water temperature ranged from 14.9 to 19.6 °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 - 5th May 2015

