



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
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Date: Tuesday 23rd June 2015

Weather & tide conditions: Conditions were fine with 0% cloud cover and no breeze. The tide was flooding for the duration of the sampling period and water was flowing downstream over the Kent Street weir boards. Perth recorded 88.8 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 on the surface and saline on the bottom at SCB2, fresh over saline at SAL, then fresh throughout at RIV and CASMID. Water was well oxygenated throughout at all sites, with the exception of oxygenated bottom water at SAL. Water temperature ranged from 11.4 to 16.6 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout at all sites. Water temperature ranged from 12.8 to 13.8 °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 - 23rd June 2015

