



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
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Date: Tuesday 21st April 2015

Weather & tide conditions: Conditions were fine with 0% cloud cover and a north easterly breeze of up to 5 knots. The tide was flowing for the duration of the sampling period. Perth recorded 0.2 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 to hypersaline at SCB2 and SAL and brackish over saline at RIV and CASMID. Water was well oxygenated throughout SCB2 and on the surface of SAL and CASMID, RIV had oxygenated surface water. Bottom water was low in oxygen at SAL and RIV and near anoxic at CASMID. Water temperature ranged from 17.9 to 23.2 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites, with the exception of brackish bottom water at KENU300. Water was well oxygenated to oxygenated at all sites with the exception of low oxygen bottom water at KS7, near anoxic bottom water at KENU300 and hypoxic bottom water at KEN. Water temperature ranged from 17.5 to 22.6 °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 - 21 April 2015

