



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
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Date: Tuesday 17th February 2015

Weather & tide conditions: Conditions were cloudy with up to 100% cloud cover and a south easterly to north easterly breeze of up to 4 knots. The tide was stationary for the duration of the sampling period. Perth recorded 0.4 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 throughout with the exception of brackish surface water at RIV. Water was well oxygenated over oxygenated bottom water at SCB2, oxygenated throughout at SAL and oxygenated over low oxygen bottom water at RIV. Water temperature ranged from 23.9 to 25.9 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Surface water was well oxygenated at all sites except ELL where surface water was oxygenated. Bottom water was well oxygenated to oxygenated at all sites except KEN, KS7 and PAC where bottom water was low oxygen and KENU300 and ELL where bottom water was hypoxic. Water temperature ranged from 22.9 to 25.8 °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 - 17th February 2015

