



Department of
Parks and Wildlife



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RIVERPARK

Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water

Date: Tuesday 1st December 2015

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and a predominantly easterly breeze of up to 11 knots. The tide was flowing for the duration of the sampling period. Perth recorded 0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: 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 all sites with the exception of brackish surface water at RIV. Water was well oxygenated throughout all sites with the exception of low oxygenated bottom water at RIV. Water temperature ranged from 20.4 to 23.5 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated at all sites with the exception of hypoxic bottom water at KENU300. Water temperature ranged from 20.6 to 24.2 °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 - 1st December 2015

