



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 20th December 2016

Weather & tide conditions: Conditions were fine with 0% cloud cover and an east to south easterly breeze of up to 6 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: The Nicholson Road oxygenation plant was operational the week prior to sampling and the Bacon Street oxygenation plant was not operational.

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 to oxygenated at all sites, with the exception of hypoxic bottom water at RIV. Water temperature ranged from 22.8 to 26.3 ° 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 near anoxic to hypoxic bottom water at ELL, PAC, BAC and KENU300, and low oxygen surface water at ELL. Water temperature ranged from 20.1 to 25.5 ° 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 - 20 December 2016

