



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 21st March 2017

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and an east to south easterly breeze of up to 11 knots. The tide was flowing for the duration of the sampling period. Perth recorded 3.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road and Bacon Street oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish throughout, with the exception of saline bottom water at SCB2. Water was well oxygenated to oxygenated on the surface of all sites, and bottom water was near anoxic at SCB2, SAL and CASMID and hypoxic at RIV. Water temperature ranged from 18.9 to 23.7 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites, with the exception of low oxygen bottom water at ELL. Water temperature ranged from 19.0 to 20.1 ° 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 - 21st March 2017

