



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 24th January 2017

Weather & tide conditions: Conditions were fine with up to 0% cloud cover and a predominately easterly breeze of up to 8 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: 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 saline and well oxygenated to oxygenated throughout all sites. Water temperature ranged from 22.5 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 throughout all sites, with the exception of low oxygen bottom water at ELL and hypoxic bottom water at KENU300. Water temperature ranged from 22.8 to 25.6 ° 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 - 24th January 2017

