



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 26th April 2017

Weather & tide conditions: Conditions were fine with 0% cloud cover and an intermittent south easterly breeze of up to 1 knots. The tide was flooding during 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 and Bacon Street oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout at SCB2 and SAL and brackish throughout at RIV and CASMID. Surface water was well oxygenated at all sites and bottom water was low oxygen at SCB2 and SAL, oxygenated at RIV and hypoxic at CASMID. Water temperature ranged from 18.8 to 24.0 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was mostly well oxygenated to oxygenated throughout all sites, with the exception of low oxygen bottom water at ELL. Water temperature ranged from 17.9 to 19.6 ° 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 - 26th April 2017

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