



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 22nd September 2015

Weather & tide conditions: Conditions were fine with 0% cloud cover and an east to north easterly breeze of up to 4 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 Bacon Street, Camsell Way and Nicholson Road oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish on the surface over saline bottom water at SCB2 and SAL, and fresh on the surface over brackish bottom water at RIV and CASMID. Water was well oxygenated to oxygenated at all sites, with the exception of low oxygen bottom water at RIV. Water temperature ranged from 16.2 to 20.9 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites, with the exception of oxygenated bottom water at NIC. Water temperature ranged from 15.3 to 17.0 °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 - 22nd September 2015

