



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: Wednesday 30th December 2015

Weather & tide conditions: Conditions were fine with up to 60% cloud cover and a predominately south easterly breeze of up to 7 knots. The tide was stationary 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 operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline and oxygenated throughout all sites. Water temperature ranged from 25.5 to 27.2 ° 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 hypoxic bottom water at ELL, PAC and MASD50, near anoxic bottom water at NICD200, KS7, KENU300 and KEN and low oxygen bottom water at BACD300. Water temperature ranged from 21.7 to 28.2 °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 - 30th December 2015

