



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 18th August 2015

Weather & tide conditions: Conditions were fine with up to 60% cloud cover and a west to north westerly breeze of up to 6 knots. The tide was flowing for the duration of the sampling period. Perth recorded 10.6 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 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 at the surface of all sites and bottom water was oxygenated at SCB2, low in oxygen at SAL and CASMID and hypoxic at RIV. Water temperature ranged from 15.6 to 18.7 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 16.1 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 - 18th August 2015

