



Department of
Parks and Wildlife



SWAN CANNING
RIVERPARK

**Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile**

**by
Water Science Branch, Department of Water**

Date: Tuesday 20th June 2017

Weather & tide conditions: Conditions were fine with up to 10% cloud cover and a predominantly easterly breeze of up to 5 knots. The tide was flowing during the sampling period. Perth recorded 26.2 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 SCB2 and SAL, and brackish over saline at RIV and CASMID. Surface water was well oxygenated at SCB2 to RIV and low in oxygen at CASMID, and bottom water was oxygenated at SCB2 and RIV and low in oxygen at SAL and CASMID. Water temperature ranged from 16.0 to 19.7 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River fresh throughout, with the exception of brackish bottom water at KS7, BAC, KENU300 and KEN. Water was well oxygenated to oxygenated, with the exception of near anoxic bottom water at KS7 and KEN. Water temperature ranged from 13.3 to 17.2 ° 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 - 20th June 2017

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