



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 13th June 2017

Weather & tide conditions: Conditions were fine with up to 80% cloud cover and a predominantly north easterly breeze of up to 3 knots. The tide was flowing during the sampling period. Construction work at Kent St Weir was preventing water from flowing over the weir boards. 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 mostly saline throughout with the exception of brackish surface water at RIV and CASMID. Water was well oxygenated to oxygenated from SCB2 to RIV and low in oxygen throughout CASMID. Water temperature ranged from 12.5 to 16.7 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was mostly fresh throughout with the exception of brackish bottom water at KEN, KENU300, BAC, PO2 and KS7. Water was well oxygenated to oxygenated throughout all sites, with the exception of near anoxic oxygen bottom water at KS7. Water temperature ranged from 12.9 to 17.5 ° 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 - 13th June 2017

