



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 14th March 2017

Weather & tide conditions: Conditions were fine with up to 80% cloud cover and a predominately north easterly breeze of up to 10 knots. The tide was flowing for the duration of the sampling period. Perth recorded 10.8 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: 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 predominantly brackish but with saline bottom water and fresh surface water at SCB2 and CASMID respectively. Water was predominantly well oxygenated to oxygenated with the exception of near anoxic bottom water at SCB2 and CASMID and low oxygen bottom water at RIV. Water temperature ranged from 21.6 to 24.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout, well oxygenated throughout from KEN to PO2. Surface water was oxygenated from GRE to KS9 with oxygenated bottom water at GRE, KS7, NICD200 and NIC. PAC and ELL had low oxygen throughout. Water temperature ranged from 21.3 to 23.4 ° 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 - 14th March 2017

