



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: Wednesday 19th April 2017

Weather & tide conditions: Conditions were fine with 5% cloud cover and a predominantly south easterly breeze of up to 2 knots. The tide was flowing during the sampling period. Perth recorded 0 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 saline at SCB2 and SAL and brackish at RIV and CASMID. Surface water was well oxygenated to oxygenated at all sites, and there was low oxygen bottom water at all sites. Water temperature ranged from 19.1 to 22.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was mostly well oxygenated to oxygenated throughout all sites, with the exception of low oxygen water at ELL and low oxygen bottom water at GRE. Water temperature ranged from 18.4 to 19.7 ° 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 - 19th April 2017

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