



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 15th November 2016

Weather & tide conditions: Conditions were fine with up to 0% cloud cover and a west to north easterly breeze up to 16 knots. The tide was flowing for the duration of the sampling period. Perth recorded 0.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road oxygenation plant was operational the week prior to sampling, while Bacon Street oxygenation plant was not operational.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL, brackish throughout RIV and fresh over brackish at CASMID. Water was oxygenated to well oxygenated throughout. Water temperature ranged from 21.8 to 26.2 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Surface water was well oxygenated to oxygenated at all sites. Bottom water was near anoxic at KENU300 and BAC, hypoxic at KEN and BACD300, low oxygen at NICD200, MASD50, KS7, PO2, BACU300, BACD500 and ELL and oxygenated to well oxygenated at NIC, KS9, PAC and GRE. Water temperature ranged from 16.9 to 24.2 ° 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 - 15th November 2016

