



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 29th November 2016

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and a south easterly breeze of up to 2 knots. The tide was flowing for the duration of the sampling period. Perth recorded 0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout SCB2, brackish over saline at SAL and brackish throughout RIV. Water was well oxygenated to oxygenated at all sites, with the exception of hypoxic to near anoxic bottom water at SAL. Water temperature ranged from 24.1 to 26.4 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated on the surface with the exception of low oxygen surface water at ELL, bottom water was hypoxic at ELL, PAC, GRE and BACD500, well oxygenated to oxygenated at KS9 to MASD50 and PO2 to BACU300, and near anoxic at KS7, BAC, BACD300, KENU300 and KEN. Water temperature ranged from 19.8 to 25.1 °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 - 29th November 2016

