



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 17th May 2016

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a predominately north westerly breeze of up to 2 knots. The tide was flowing for the duration of the sampling period. Perth recorded 6.8 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. Bacon Street and Camsell Way oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout all sites, with the exception of brackish surface water at RIV and CASMID. Surface water was well oxygenated to oxygenated and bottom water was oxygenated at SCB2, low in oxygen at SAL and RIV and near anoxic at CASMID. Water temperature ranged from 17.4 to 21.5 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated at all sites. Water temperature ranged from 15.2 to 15.9 ° 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 - 17th May 2016

