



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 June 2016

Weather & tide conditions: Conditions were fine with up to 90% cloud cover and a south to south easterly breeze of up to 5.6 knots. The tide was flowing for the duration of the sampling period. Perth recorded 32.2 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. The 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 brackish over saline at SCB2 and SAL, and fresh over brackish at RIV and CASMID. Water was well oxygenated on the surface and bottom water was low in oxygen at SCB2 and RIV and hypoxic at SAL and CASMID. Water temperature ranged from 13.2 to 16.7 ° 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 13.6 to 15.0 ° 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 June 2016

