



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 11th October 2016

Weather & tide conditions: Conditions were fine with 0% cloud cover and an east to north easterly breeze of up to 1 knots. The tide was ebbing for the duration of the sampling period. Perth recorded 16.2 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. Bacon Street and Camsell Way oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): Surface water in the Canning Estuary was well oxygenated throughout, brackish at SCB2 and fresh at SAL and RIV. Bottom water was saline and hypoxic at SCB2, brackish and low oxygen at SAL and well oxygenated and fresh at RIV. Water temperature ranged from 16.2 to 18.8 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated at all sites. Water temperature ranged from 14.7 to 16.6 ° 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 - 11th October 2016

