



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 10th May 2016

Weather & tide conditions: Conditions were fine with 0% cloud cover and a predominately southerly breeze of up to 2 knots. The tide was stationary for the duration of the sampling period. Perth recorded 21 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. 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 at SCB2, brackish at RIV, there was brackish over saline bottom water at SAL and fresh over saline bottom water at CASMID. Water was well oxygenated to oxygenated at all sites with the exception of low oxygen bottom water at RIV and hypoxic bottom water at CASMID. Water temperature ranged from 14.7 to 21.5 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout all sites. Water temperature ranged from 14.1 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 - 10th May 2016

