



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 31st May 2016

Weather & tide conditions: Conditions were fine with up to 40% cloud cover and there was no detectable breeze. The tide was stationary for the duration of the sampling period. Perth recorded 33.0 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 brackish over saline bottom water at SCB2 and SAL and there was fresh water over brackish bottom water at RIV and CASMID. Surface water was well oxygenated over low oxygen bottom water at SCB2 and hypoxic bottom water at SAL to CASMID. Water temperature ranged from 13.0 to 18.9 ° 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 with the exception of low oxygen bottom water at BAC. Water temperature ranged from 14.4 to 15.3 ° 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 - 31st May 2016

