



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 3rd May 2016

Weather & tide conditions: Conditions were fine with up to 100% cloud cover and a predominately westerly breeze of up to 4 knots. The tide was stationary for the duration of the sampling period. Perth recorded 18.2 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 was operational up to 29/04/16, and Camsell Way was not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2 and SAL, brackish at RIV and there was fresh surface water over saline bottom water at CASMID. Surface water was well oxygenated over oxygenated bottom water at SCB2, low oxygen bottom water at SAL and RIV and near anoxic bottom water at CASMID. Water temperature ranged from 16.7 to 22.5 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites. Water temperature ranged from 15.8 to 16.8 ° 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 - 3rd May 2016

