



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 22nd November 2016

Weather & tide conditions: Conditions were fine with 0% cloud cover and an easterly breeze of up to 2 knots. The tide was flowing for the duration of the sampling period. Perth recorded 14.0 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, while the Bacon Street oxygenation plant was not operational.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SAL, saline throughout SCB2 and brackish throughout RIV. Water was well oxygenated to oxygenated, with the exception of low oxygen bottom water at RIV. Water temperature ranged from 21.1 to 23.2 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated at most sites, with the exception of low oxygen bottom water at ELL, PAC, GRE, PO2 and BACD500, and near anoxic bottom water at BAC and KENU300. Water temperature ranged from 19.5 to 21.7 ° 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 - 22nd November 2016

