



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 15th March 2016

Weather & tide conditions: Conditions were fine with up to 70% cloud cover and a predominately west to north westerly breeze of up to 7.2 knots. The tide was stationary for the duration of the sampling period. Perth recorded 0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Bacon Street and Nicholson Road oxygenation plants were operational the week prior to sampling, while Camsell Way oxygenation plant was not operational.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was hyper saline throughout all sites. Water was well oxygenated to oxygenated at SCB2 and SAL while there was low oxygen water at RIV and CASMID. Water temperature ranged from 25.0 to 26.4 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Surface water was well oxygenated at all sites. Bottom water was near anoxic at ELL, PAC, NICD200, KS7, PO2 and at BACU300. Bottom water was hypoxic at MASD50, low oxygen at KS9, NIC, GRE, KENU300 and KEN and oxygenated at BAC to BACD500. Water temperature ranged from 23.3 to 27.6 ° 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 - 15th March 2016

