



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 23rd February 2016

Weather & tide conditions: Conditions were overcast with up to 99% cloud cover and an intermittent south easterly and westerly breeze of up to 2.2 knots. The tide was flooding for the duration of the sampling period and water was not flowing over the Kent St weir. Perth recorded 0.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon Street, Camsell Way and Nicholson Road oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was hyper saline and oxygenated throughout at SCB2 and SAL, saline and oxygenated throughout at RIV. CASMID was saline throughout with oxygenated surface water over low oxygen bottom water. Water temperature ranged from 23.2 to 27.2 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and mostly well oxygenated at all sites. Water temperature ranged from 23.3 to 25.0 ° 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 - 23rd February 2016

