



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 1st March 2016

Weather & tide conditions: Conditions were fine with up to 20% cloud cover and a predominately south easterly breeze of up to 4 knots. The tide was stationary for the duration of the sampling period. Perth recorded 0.2 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 to saline and oxygenated throughout all sites, with the exception of low oxygen bottom water at RIV and low oxygen surface water over hypoxic bottom water at CASMID. Water temperature ranged from 23.9 to 28.0 ° 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 ELL, MASD50 and BACU300, hypoxic bottom water at PAC and GRE and near anoxic bottom water at KS7, KENU300 and KEN. Water temperature ranged from 22.3 to 26.6° 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 - 1st March 2016

