



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 16th February 2016

Weather & tide conditions: Conditions were fine with up to 40% cloud cover and a predominately east to north easterly breeze of up to 9 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, 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 at SCB2 and SAL then saline at RIV. Surface water was well oxygenated over low oxygen bottom water at RIV, while SCB2 and SAL were oxygenated. Water temperature ranged from 21.5 to 24.7 ° 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, hypoxic bottom water at PAC and near anoxic bottom water at KENU300. Water temperature ranged from 22.5 to 25.8 ° 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 - 16th February 2016

