



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 2nd February 2016

Weather & tide conditions: Conditions were fine with up to 0% cloud cover and a predominately southerly breeze of up to 7.9 knots. The tide was flooding for the duration of the sampling period and water was flowing downstream over Kent Street weir. Perth recorded 6.6 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon Street and Nicholson Road oxygenation plants were operational the week prior to sampling. The Camsell Way oxygenation plant was operational the week prior to sampling up to 28/1/16.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was hyper saline throughout at SCB2 and saline throughout at SAL and RIV. SCB2 and SAL were well oxygenated throughout. RIV was oxygenated throughout. Water temperature ranged from 19.9 to 22.9 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout at all sites. Water was well oxygenated to oxygenated at all sites from KEN to KS9. Oxygenated surface water over low oxygen bottom water at PAC. ELL had low oxygen water throughout. Water temperature ranged from 19.6 to 24.0 ° 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 - 2nd February 2016

