



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 19th January 2016

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and a predominately north easterly breeze of up to 7 knots. The tide was stationary for the duration of the sampling period. Perth recorded 2.2 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 to saline throughout. Water was well oxygenated throughout RIV, oxygenated from SCB2 and SAL and low oxygen surface water over oxygenated bottom water at CASMID. Water temperature ranged from 23.2 to 29.2 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was oxygenated to well oxygenated throughout all sites with the exception of hypoxic bottom water at ELL and near anoxic bottom water at KENU300. Water temperature ranged from 23.5 to 25.6 ° 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 - 19th January 2016

