



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 6th October 2015

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and a south easterly breeze of up to 10 knots. The tide was flowing for the duration of the sampling period. Perth recorded 1.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson oxygenation plant was operational the week prior to sampling. Bacon St and Camsell Way oxygenation plants were not operational as they are still undergoing maintenance.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout SCB2, brackish over saline at SAL and brackish throughout RIV. Water was well oxygenated to oxygenated on the surface of all sites, and bottom water was oxygenated at SCB2 and low in oxygen at RIV. Water temperature ranged from 17.6 to 21.2 °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 bottom water at some sites which was near anoxic at BAC, hypoxic at BACD300 and KENU300 and low in oxygen at KEN. Water temperature ranged from 17.8 to 20.3 °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 - 6th October 2015

