



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 8th September 2015

Weather & tide conditions: Conditions were fine with up to 30% cloud cover and an east to north easterly breeze of up to 3 knots. The tide was flowing for the duration of the sampling period. Perth recorded 8.0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon Street, Camsell Way and Nicholson Road oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish on the surface over saline bottom water at SCB2, brackish throughout SAL and CASMID and fresh over brackish at RIV. Water was well oxygenated and oxygenated at SCB2, SAL and CASMID, and well oxygenated at the surface over low oxygen bottom water at RIV. Water temperature ranged from 15.2 to 20.6 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 14.7 to 16.3 °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 - 8th September 2015

