



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 28th June 2016

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a north to north easterly breeze of up to 7 knots. The tide was flowing for the duration of the sampling period. Perth recorded 18.6 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL, brackish throughout RIV and fresh over brackish at CASMID. Water was well oxygenated on the surface and bottom water was hypoxic at SCB2, SAL and CASMID and low in oxygen at RIV. Water temperature ranged from 11.8 to 16.8 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites, with the exception of brackish bottom water at BAC, KENU300 and KEN. Water was well oxygenated throughout, with the exception of near anoxic bottom water at BAC and KENU300, low oxygen bottom water at BACD300 and hypoxic bottom water at KEN. Water temperature ranged from 11.6 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 - 28th June 2016

