



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 23rd May 2017

Weather & tide conditions: Conditions were overcast with 100% cloud cover and no detectable breeze. The tide was flowing during the sampling period. Perth recorded 55.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road and Bacon Street oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary saline at SCB2, brackish over saline at SAL and fresh over saline at RIV and CASMID. Surface water was well oxygenated over oxygen bottom water at SCB2, low oxygen bottom water at SAL and RIV and near anoxic bottom water at CASMID. Water temperature ranged from 15.9 to 19.9 ° 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 KENU300 to BAC and at KS7. Water was mostly well oxygenated with the exception of oxygenated bottom water at KEN, BACD500 and BACD300 and there was near anoxic bottom water at KS7. Water temperature ranged from 15.6 to 19.5 ° 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 - 23rd May 2017

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