



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: Wednesday 7th June 2017

Weather & tide conditions: Conditions were fine with 0% cloud cover and a south easterly breeze of up to 2 knots. The tide was stationary during the sampling period. Due to construction work at Kent St Weir, it was not possible to note whether water was flowing over the weir boards. Perth recorded 0 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 was Saline throughout SCB2 and SAL and brackish over saline at RIV and CASMID. Water was well oxygenated to oxygenated at all sites, with the exception of low oxygen bottom water at SAL and hypoxic bottom water at CASMID. Water temperature ranged from 16.1 to 20.8 ° 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 KS7 and BAC to KEN. Water was well oxygenated to oxygenated, with the exception of hypoxic bottom water at KS7 and BACD500, and low oxygen bottom water at BAC, BACD300, KENU300 and KEN. Water temperature ranged from 14.2 to 18.6 ° 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 - 7th June 2017

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