



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 9th May 2017

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and an easterly breeze of up to 1 knot. The tide was flowing during the sampling period. Perth recorded 10.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The 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 throughout SCB2 and SAL, well oxygenated on the surface over low oxygen bottom water at RIV and low in oxygen on the surface over hypoxic bottom water at CASMID. Water temperature ranged from 20.6 to 23.3 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated at all sites, with the exception of near anoxic to hypoxic bottom water at ELL and PAC, and low oxygen bottom water at KENU300 and KEN. Water temperature ranged from 17.7 to 19.4 ° 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 - 9th May 2017

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