



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 20th October 2015

Canning Estuary run: SCB2 (08:25) upstream to SAL (09:05) on the Trailcraft. Crew of

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and an easterly breeze of up to 6 knots. The tide was flowing for the duration of the sampling period. Perth recorded 6 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2, brackish over saline at SAL, brackish throughout RIV and fresh over brackish at CASMID. Water was well oxygenated and oxygenated throughout SCB2 and SAL, well oxygenated over hypoxic at RIV and oxygenated over near anoxic at CASMID. Water temperature ranged from 18.7 to 25.3 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout all sites with the exception of low oxygen bottom water at ELL, KS9 and KEN, hypoxic bottom water at PAC and near anoxic bottom water at KENU300. Water temperature ranged from 18.1 to 21.7 °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 - 20th October 2015

