



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 July 2015

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a predominantly north easterly breeze of up to 8 knots. The tide was ebbing for the duration of the sampling period, and water was seen flowing over the Kent St Weir. Perth recorded 9.0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline from SCB2 to RIV, then fresh over brackish at CASMID. Surface water was well oxygenated throughout at all sites, while bottom water was oxygenated at SCB2 and SAL, and low in oxygen at RIV and CASMID. Water temperature ranged from 12.9 to 17.4 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout at all sites with the exception of oxygenated bottom water at BAC. Water temperature ranged from 12.6 to 13.6 °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 - 28th July 2015

