



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 12th July 2016

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and an easterly breeze of up to 6 knots. The tide was flowing for the duration of the sampling period. Perth recorded 73.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was operational from 4/7/16 to 6/7/16 on the week prior to sampling. The Bacon Street and Camsell Way oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL and fresh at RIV and CASMID. Water was well oxygenated, with the exception of hypoxic bottom water at SCB2 and SAL. Water temperature ranged from 10.7 to 15.4 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 10.8 to 12.1 ° 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 - 12th July 2016

