



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 25th August 2015

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and an east to north easterly breeze of up to 5 knots. The tide was flowing for the duration of the sampling period. Perth recorded 54.4 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 at SCB2 and SAL, fresh over brackish at RIV and fresh throughout CASMID. Water was well oxygenated on the surface at all sites and bottom water was hypoxic at SCB2, low in oxygen at SAL and RIV, and well oxygenated at CASMID. Water temperature ranged from 12.9 to 17.9 °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 13.3 to 14.8 °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 - 25th August 2015

