



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 15th September 2015

Weather & tide conditions: Conditions were fine with up to 20% cloud cover and an east to south easterly breeze of up to 3 knots. The tide was flowing for the duration of the sampling period. Perth recorded 37.4 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 not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish on the surface over saline bottom water at SCB2, brackish throughout SAL and fresh throughout RIV. Water was well oxygenated on the surface of all sites, and bottom water was oxygenated at SCB2, low in oxygen at SAL and well oxygenated at RIV. Water temperature ranged from 14.3 to 18.9 °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 14.4 to 15.3 °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 - 15th September 2015

