



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 December 2015

Weather & tide conditions: Conditions were fine with 0% cloud cover and a north westerly breeze of up to 4 knots. The tide was flowing for the duration of the sampling period. Perth recorded 0.0 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 well oxygenated to oxygenated with the exception of low oxygen bottom water at RIV. Water was saline throughout with the exception of brackish surface water at RIV. Water temperature ranged from 23.2 to 26.4 °C.

Lower Canning River (upstream of Kent St Weir): The lower Canning River was fresh throughout. Surface water was well oxygenated with the exception of oxygenated surface water at ELL. Bottom water was hypoxic at KENU300 and PAC, near anoxic at KS7 and ELL and had low oxygen at MASD50 and BAC. Bottom water was well oxygenated to oxygenated at all other sites. Water temperature ranged from 19.5 to 25.8 °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 - 15th December 2015

