



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 24th November 2015

Weather & tide conditions: Conditions were fine with up to 80% cloud cover and south to south westerly breeze of up to 5 knots. The tide was flowing for the duration of the sampling period. Perth recorded 3.6 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: 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 saline throughout SCB2 and SAL, and brackish throughout RIV. Water was well oxygenated and oxygenated throughout all sites. Water temperature ranged from 24.2 to 25.9 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated on the surface of all sites. Bottom water was hypoxic at ELL, PAC and KEN, well oxygenated and oxygenated at KS9 to BACD500 and near anoxic at KENU300. Water temperature ranged from 19.8 to 26.0 °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 - 24th November 2015

