



Department of
Parks and Wildlife



**SWAN CANNING
RIVERPARK**

**Environmental Monitoring and Reporting
Swan River Estuary ~ Weekly profile**

by
Water Science Branch, Department of Water

Date: Tuesday 29th December 2015

Weather & tide conditions: Conditions were fine with up to 60% cloud cover and a predominantly south westerly breeze of up to 8 knots. The predicted tides at Guildford were 0.98 m (high tide) at 00:41 and 0.55 m (low tide) at 10:38. Perth recorded 0 mm of rainfall during the week prior to sampling (Bureau of Meteorology).

Oxygenation: Guildford and Caversham oxygenation plants were operational the week prior to sampling

Lower Swan/Canning Estuary (FP2.1 to NAR): The Lower Swan Estuary was hyper saline to saline throughout. Water was well oxygenated to oxygenated throughout all sites. Water temperature ranged from 23.1 to 26.8 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary was saline throughout NIL to STJ, brackish over saline at MAY and brackish throughout RON. Water was well oxygenated to oxygenated throughout all sites. Water temperature ranged from 27.6 to 29.9 °C.

Upper Swan Estuary (BWR10 to POL): The Upper Swan Estuary was brackish throughout. Water was well oxygenated to oxygenated throughout with the exception of low oxygen bottom water at WMP and MSB to POL. Water temperature ranged from 27.6 to 29.2 °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

