



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

by  
Water Science Branch, Department of Water

Date: Monday 26<sup>th</sup> October 2015

Weather & tide conditions: Conditions were fine with up to 30% cloud cover and a predominantly south easterly breeze of up to 5 knots. The predicted tides at Guildford were 0.61 m (low tide) at 06:12 and 0.77 m (high tide) at 12:02. Perth recorded 0.2 mm of rainfall during the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Guildford oxygenation plant was operational and the Caversham oxygenation plant was not operational during the week prior to sampling.

Lower Swan/Canning Estuary (BLA to NAR): The Lower Swan Estuary was saline throughout. Water was well oxygenated on the surface over oxygenated bottom water at all sites. Water temperature ranged from 19.8 to 20.6 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary was brackish throughout except for bottom water at NIL which was saline. Water was well oxygenated to oxygenated throughout all sites, except for low oxygenated bottom water at MAY. Water temperature ranged from 21.4 to 23.5 °C.

Upper Swan Estuary (BWR10 to POL): The Upper Swan Estuary was brackish throughout. Water was well oxygenated to oxygenated at all sites, with the exception of low oxygen bottom water at BWR10, KIN, KMO, VIT, JBC and POL. Water temperature ranged from 21.4 to 23.9 °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

# Swan River Estuary - Physical-chemical Profile - 26th October 2015

