



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: Wednesday 15<sup>th</sup> February 2017

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and a westerly to north easterly breeze of up to 3 knots. The predicted tides at Guildford were 0.63 m (low tide) at 08:05 and 0.83 m (high tide) at 15:43. Perth recorded 132 mm of rainfall during the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Caversham and Guildford oxygenation plants were operational until 3 days prior to sampling.

Lower Swan/Canning Estuary (FP7 to NAR): Water in the lower Swan estuary was brackish over saline at FP7 and BLA and fresh over hypersaline at ARM, fresh over saline at HEA and fresh over brackish at NAR. Surface water was oxygenated over oxygenated bottom water at FP7, over low oxygen water at BLA, HEA and NAR and over hypoxic bottom water at ARM. Water temperature ranged from 22.1 to 25.3 °C.

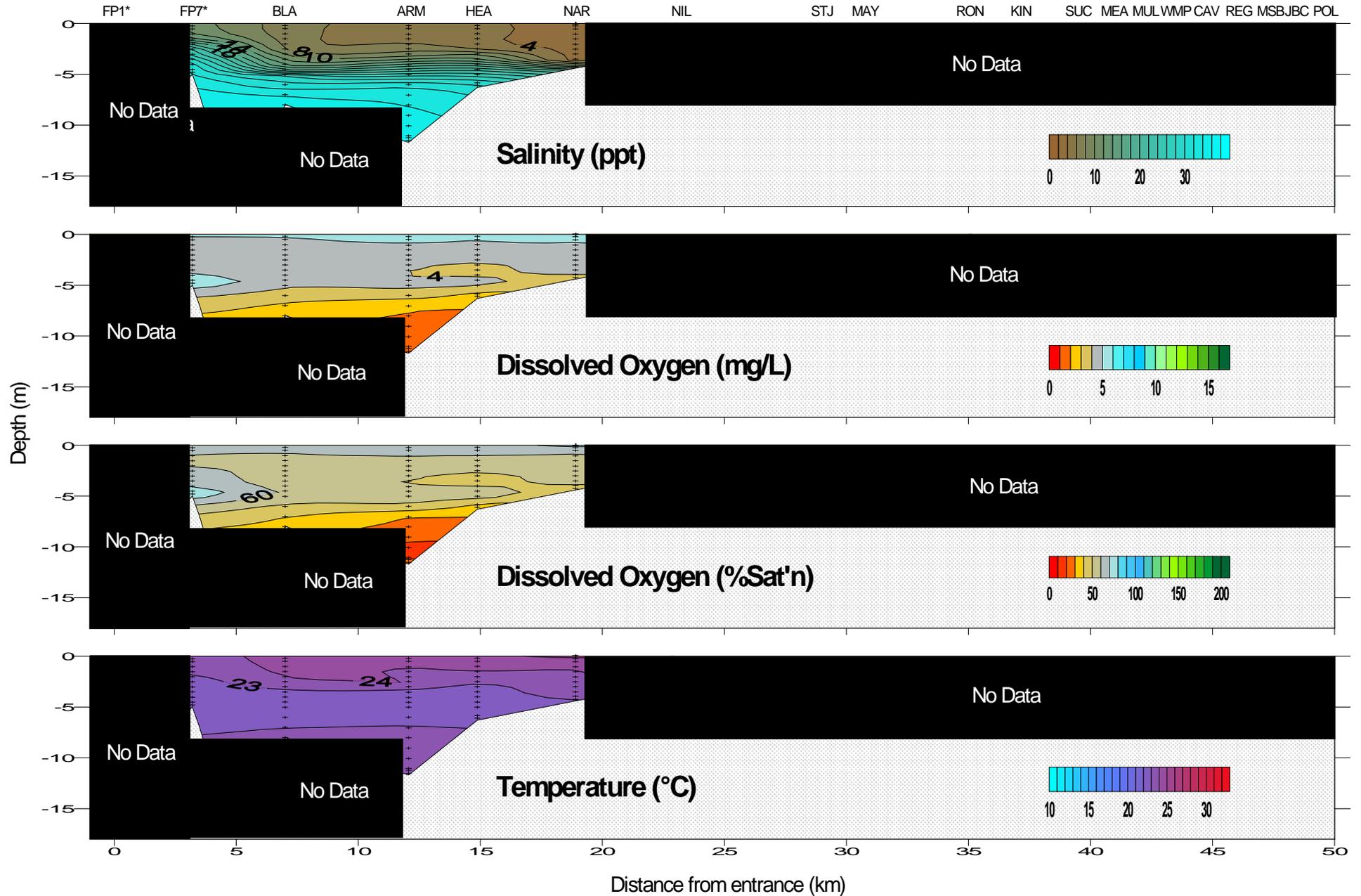
Middle Swan Estuary (NIL to MAY) and Upper Swan Estuary (RON to POL): The collected surface profile data does not appear in the surfer plot as it was incomplete. The readings indicate that surface water was fresh and oxygenated. Surface temperatures ranged from 24.6 to 25.5 °C.

**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 - 15th February 2017



\*Data for sites FP1 (Harbour entrance) and FP7 (Fremantle Bridge) are supplied courtesy of the Fremantle Port Authority