

**Pit Specific Sediment Chemistry for Metal and Metalloid Contaminants at SB CMP 2
September 2015**

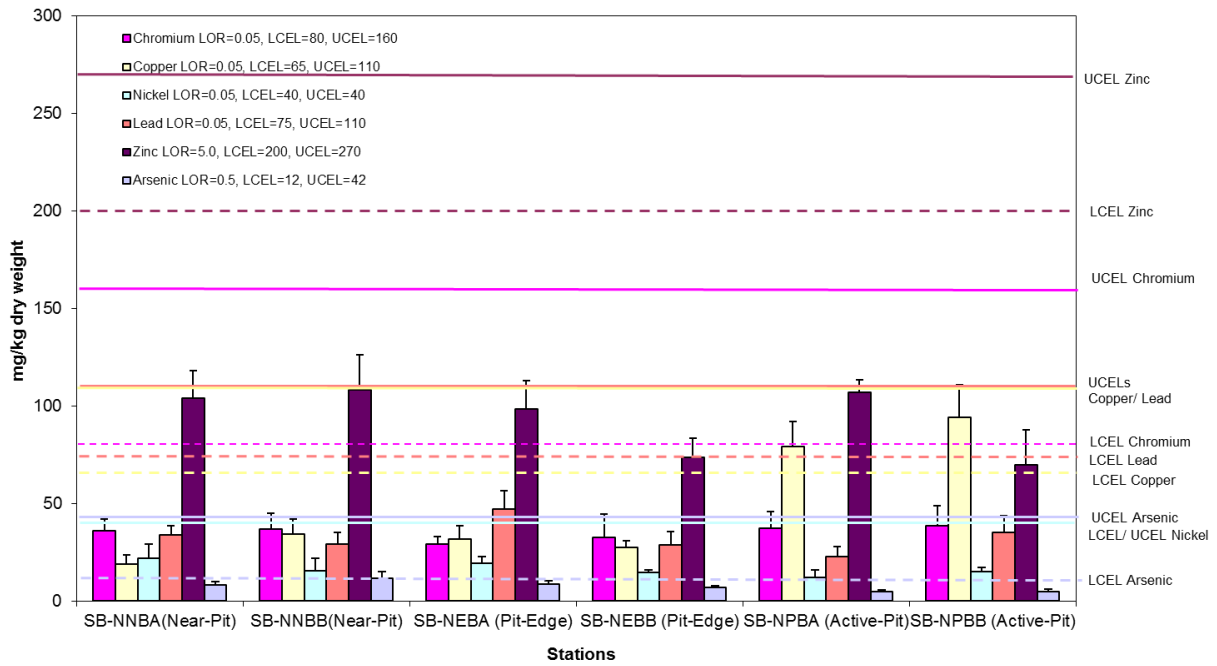


Figure 1: Concentration of Metals (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for CMP 2 in September 2015.

**Pit Specific Sediment Chemistry for Metal Contaminants at SB CMP 2
September 2015**

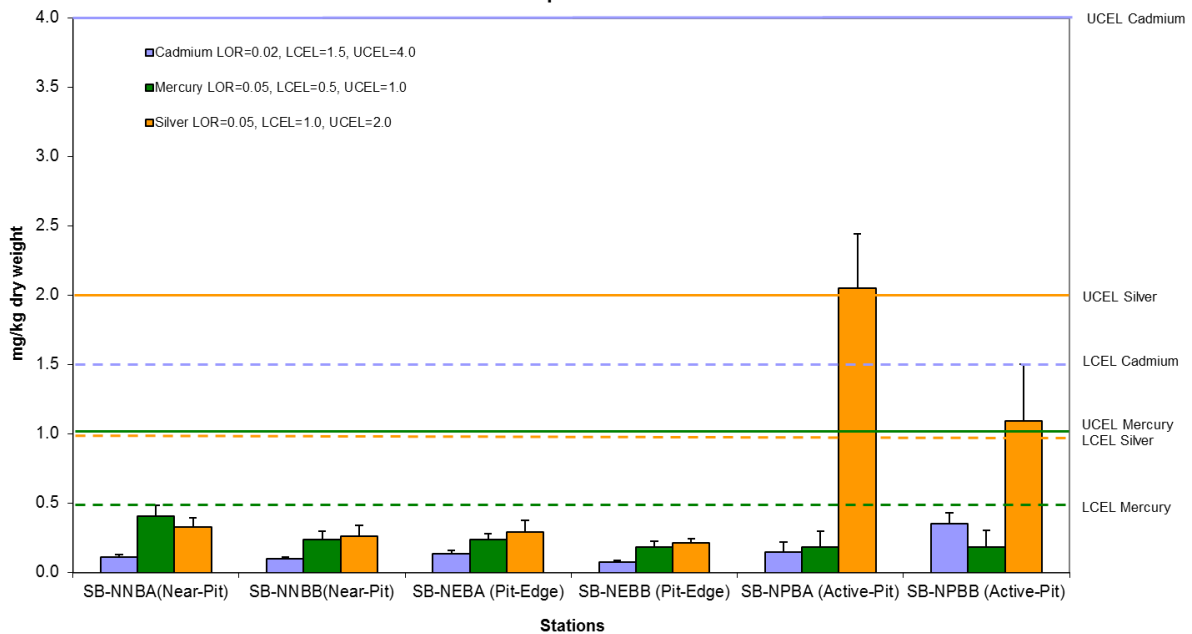


Figure 2: Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for CMP 2 in September 2015.

**Pit Specific Sediment Chemistry for Total Organic Carbon (TOC) at SB CMP 2
September 2015**

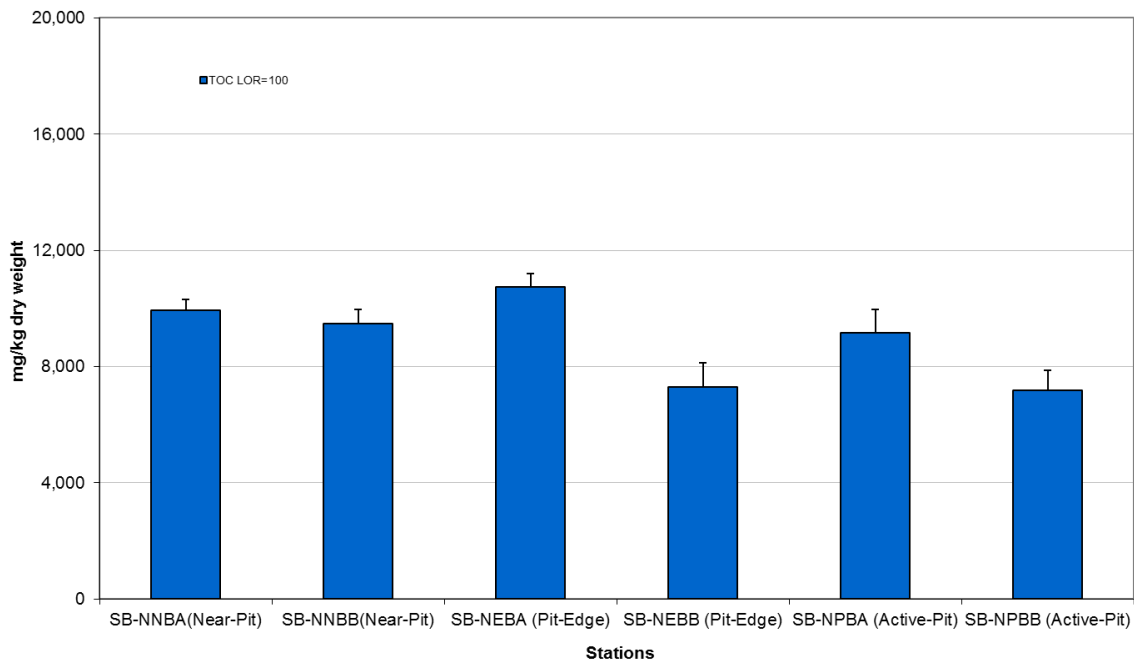


Figure 3: Concentration of Total Organic Carbon (mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for CMP 2 in September 2015.

**Pit Specific Sediment Chemistry for Tributyltin (TBT) at SB CMP 2
September 2015**

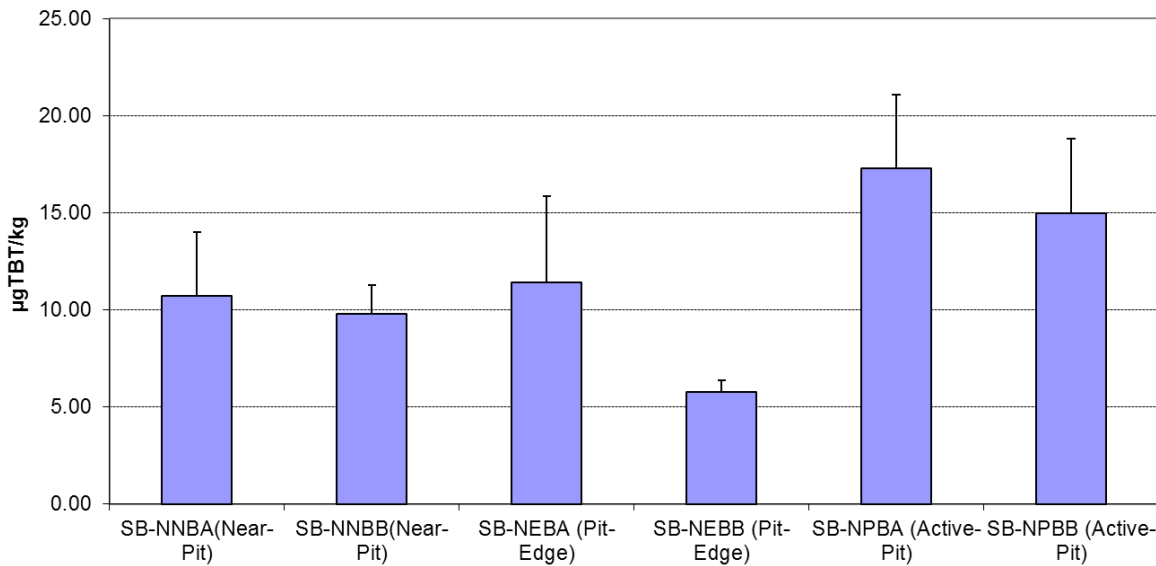


Figure 4: Concentration of Tributyltin (µg TBT/kg; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for CMP 2 in September 2015.

Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at CMP 2 in September 2015

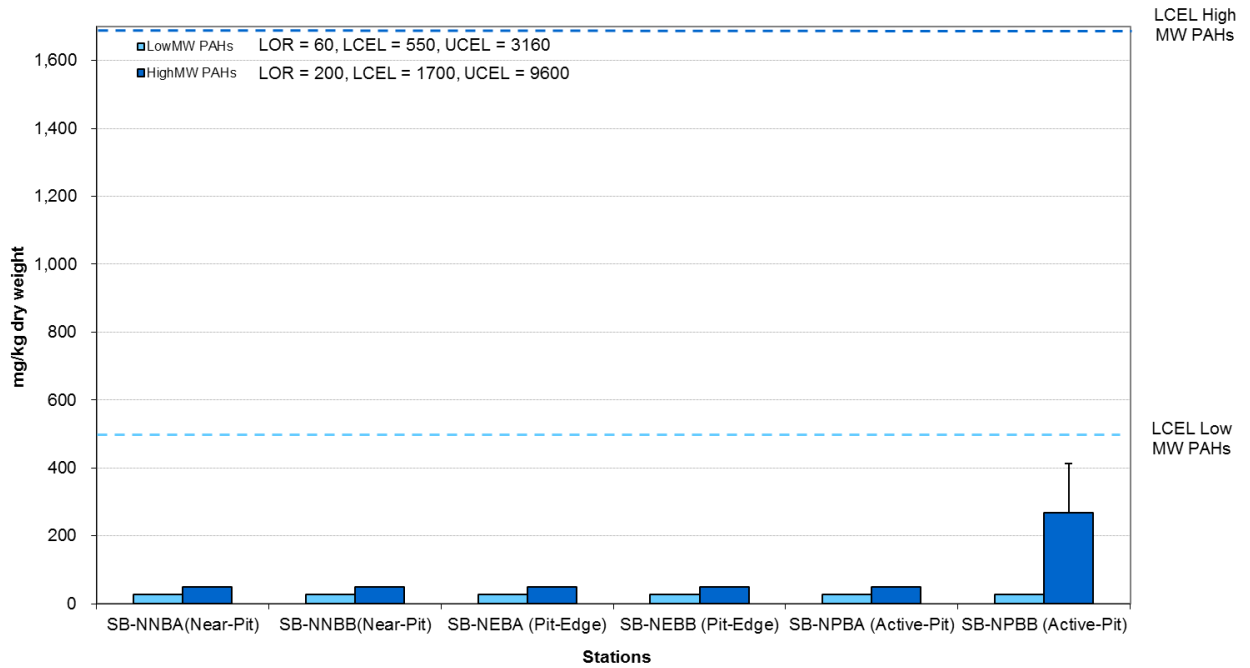


Figure 5: Concentration of Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for CMP 2 in September 2015.

**Cumulative Impact Sediment Chemistry for Metal and Metalloid Contaminants at SB CMPs
August 2015**

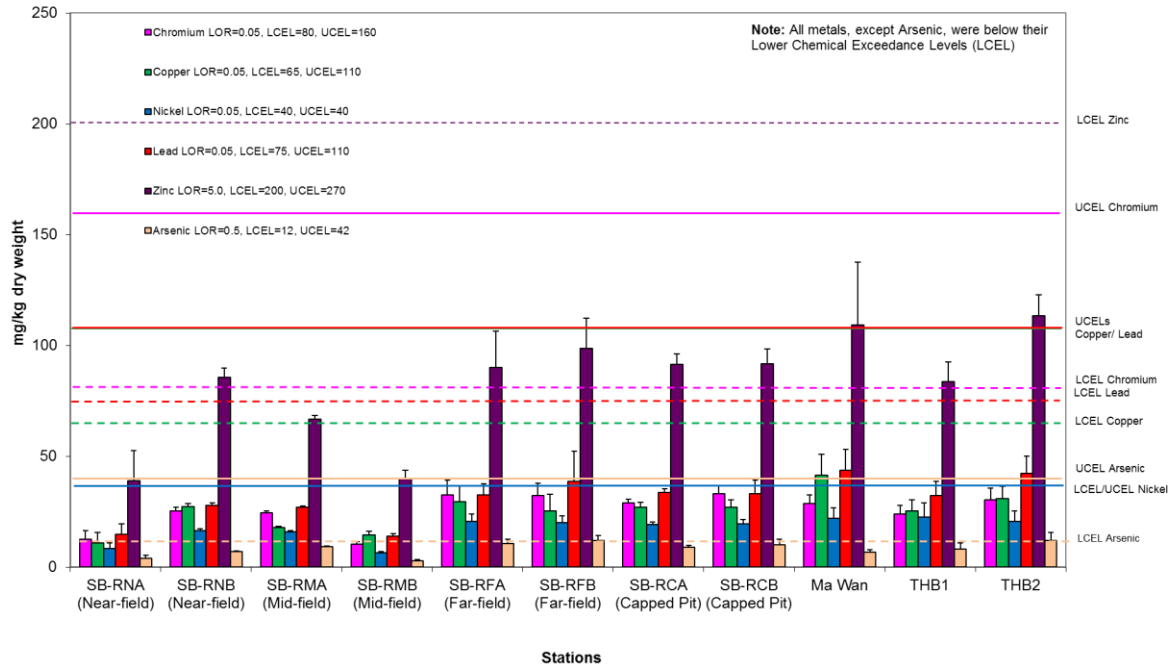


Figure 6: Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for SB CMPs in August 2015.

**Cumulative Impact Sediment Chemistry for Metal Contaminants at SB CMPs
August 2015**

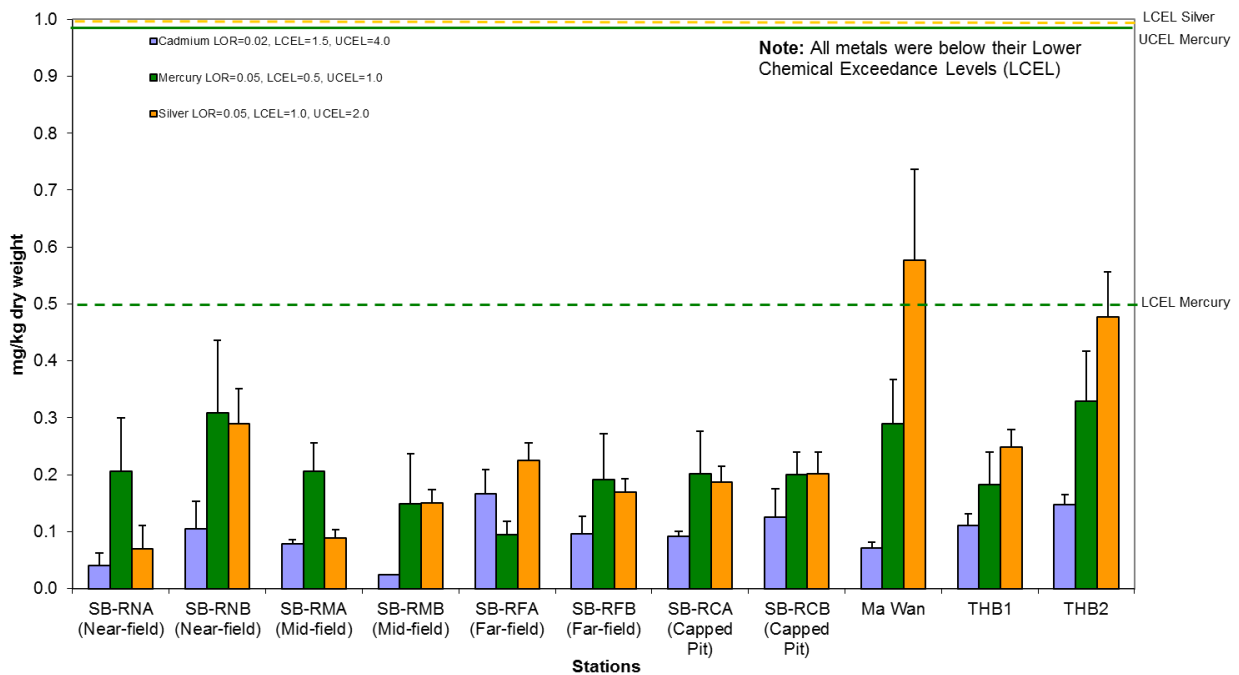


Figure 7: Concentration of Metals (Cd, Hg, Ag; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for SB CMPs in August 2015.

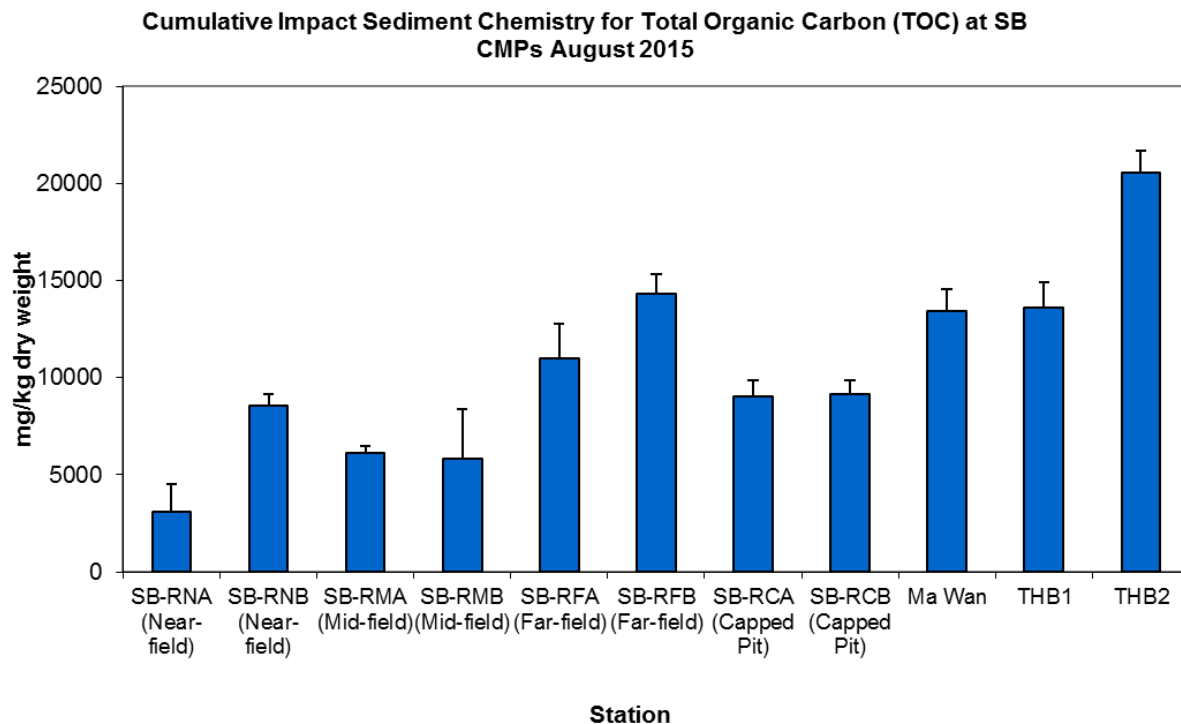


Figure 8: Concentration of Total Organic Carbon (mg/kg dry weight; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for SB CMPs in August 2015.

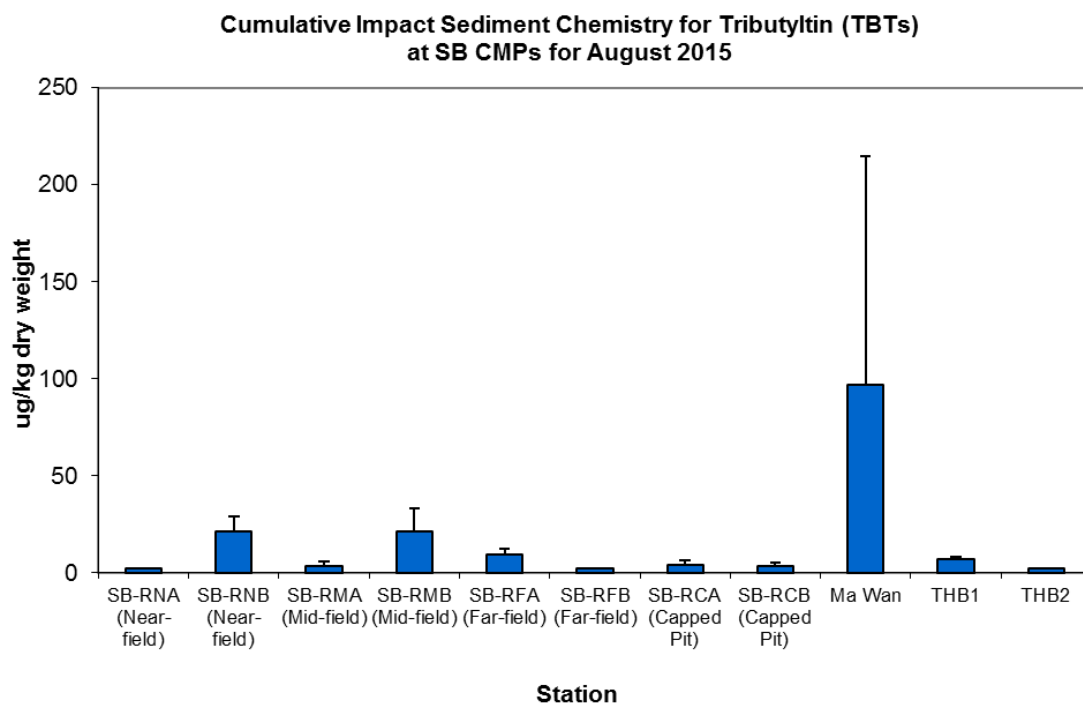


Figure 9: Concentration of Tributyltin ($\mu\text{g TBT}/\text{kg}$; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for SB CMPs in August 2015.

Routine Water Quality Monitoring for CMP 2 - October 2015

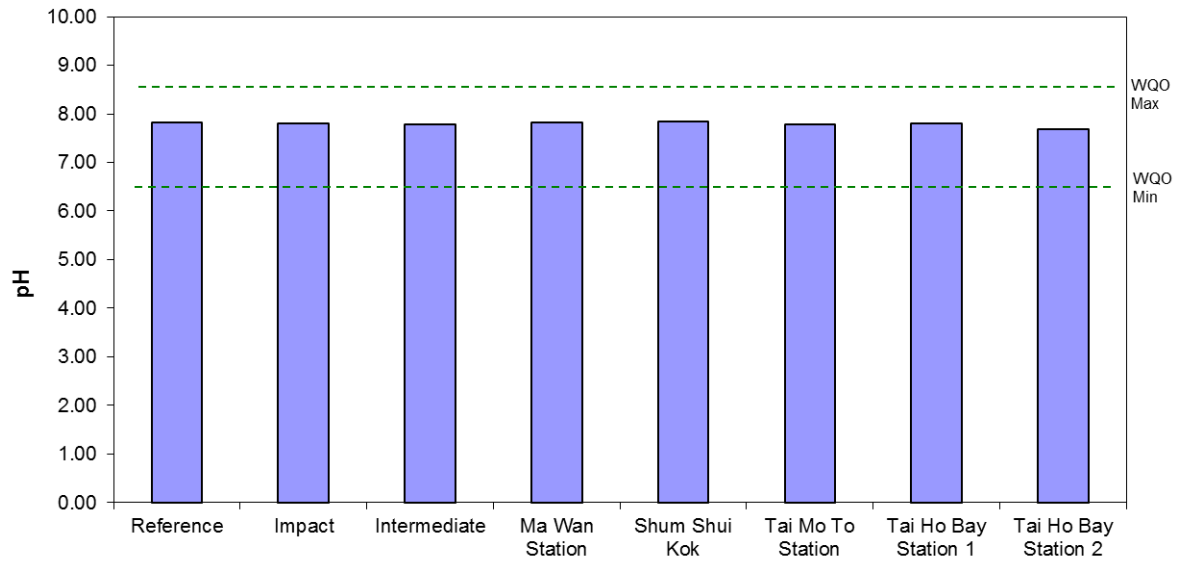


Figure 10: Level of pH recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

Routine Water Quality Monitoring CMP 2 - October 2015

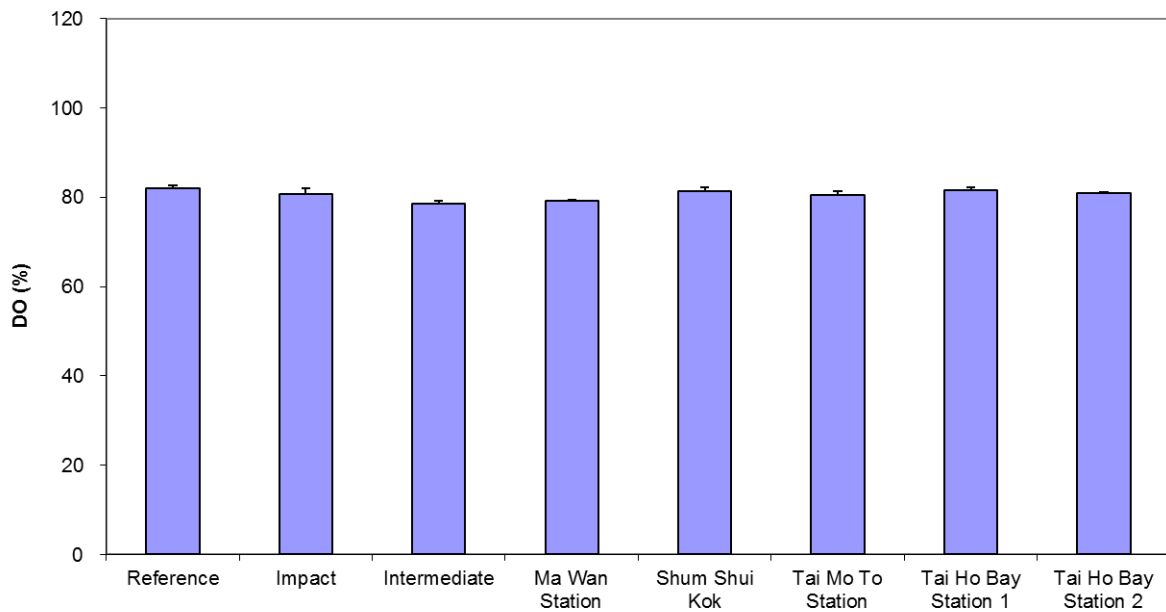


Figure 11: Level of Dissolved Oxygen (% saturation; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

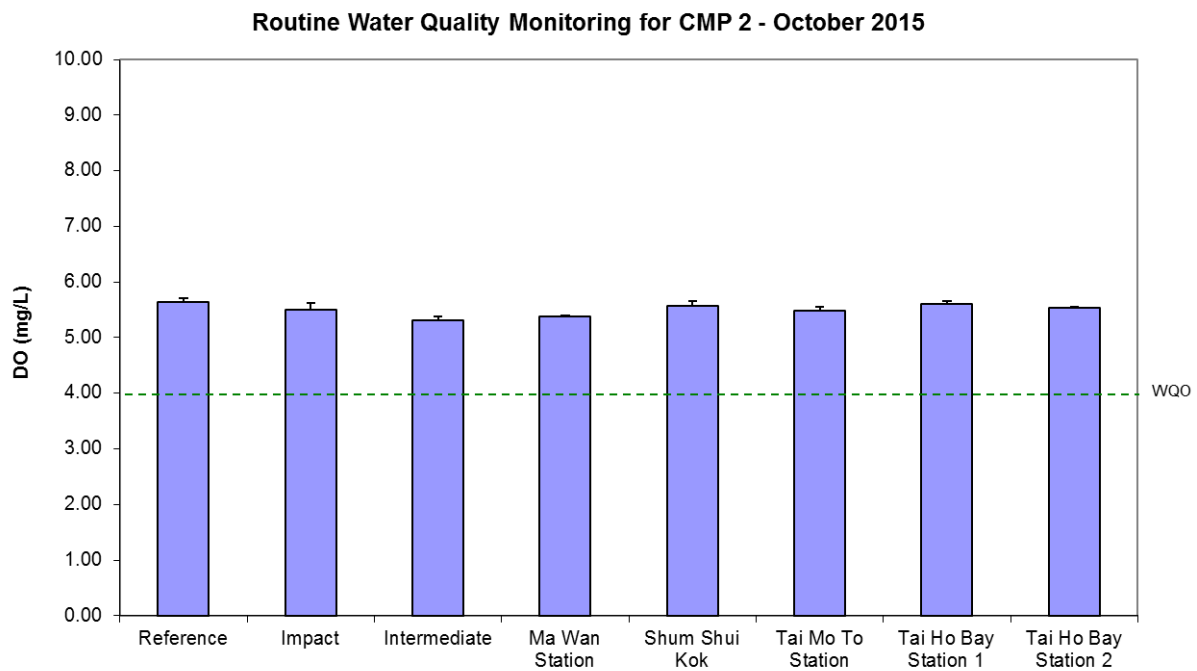


Figure 12: Concentration of Dissolved Oxygen (mg/L; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in July 2015.

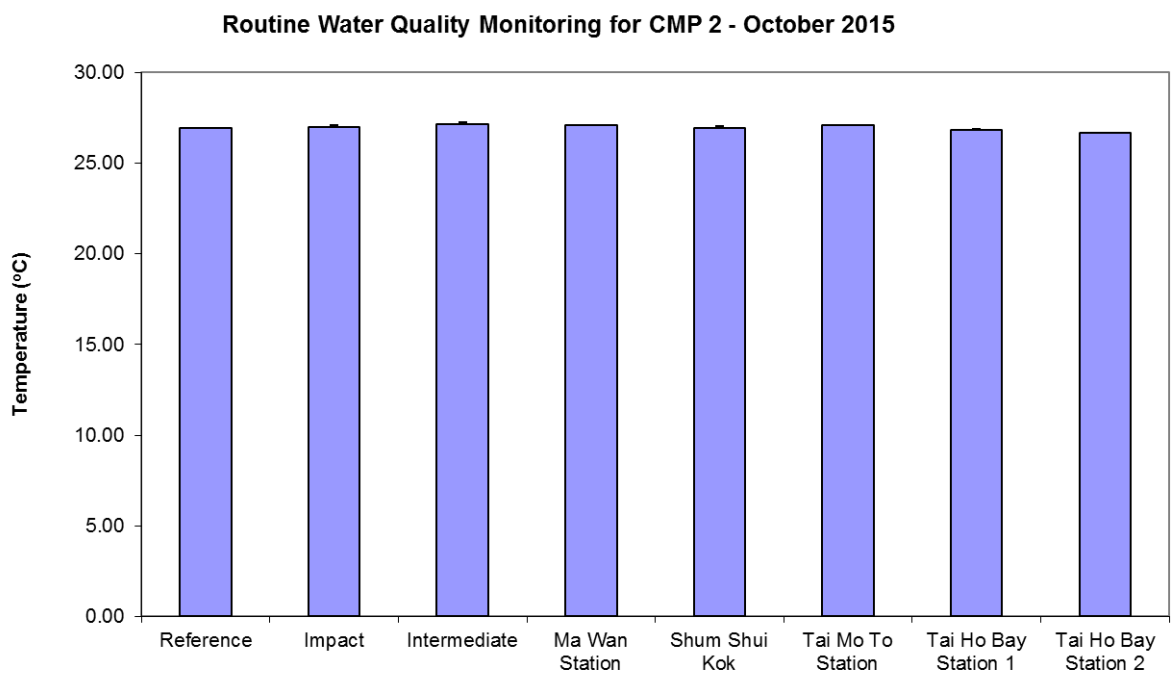


Figure 13: Level of Temperature (°C; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

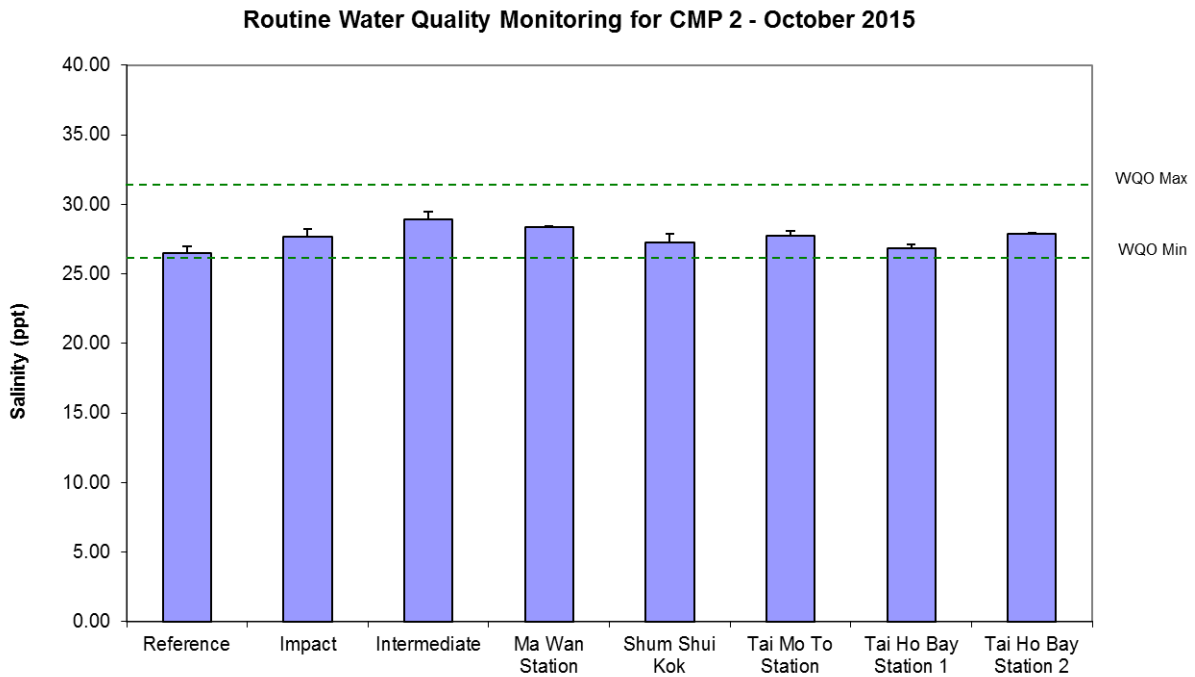


Figure 14: Level of Salinity (ppt; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

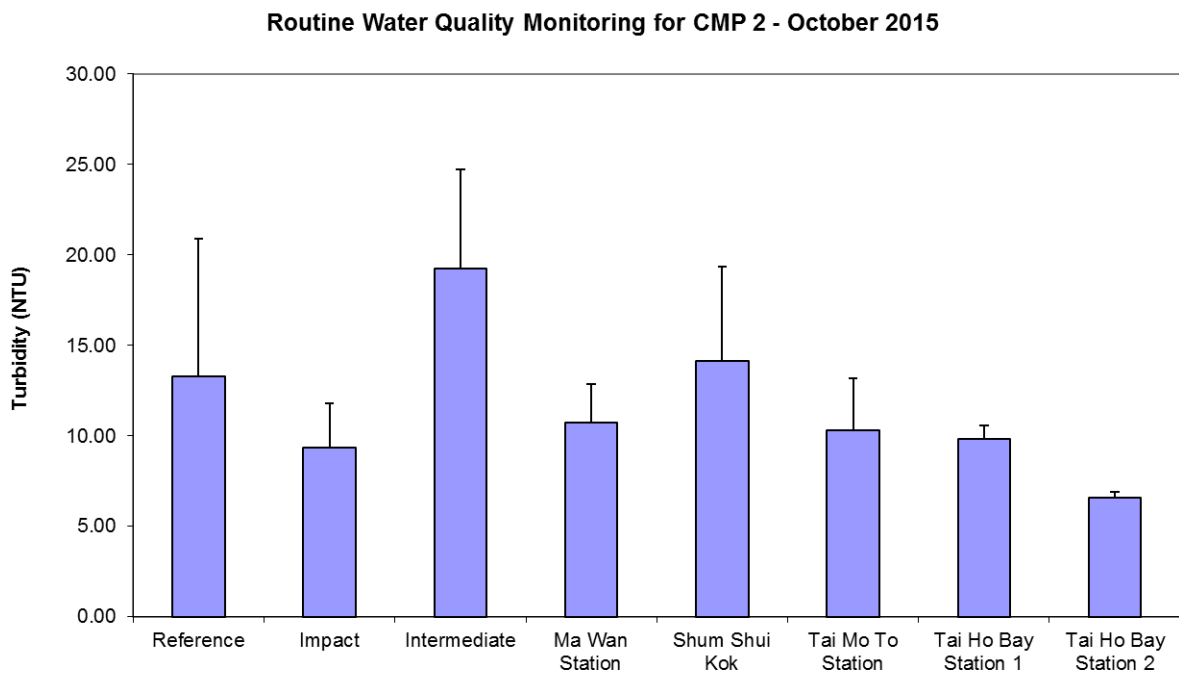


Figure 15: Levels of Turbidity (NTU; ,mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

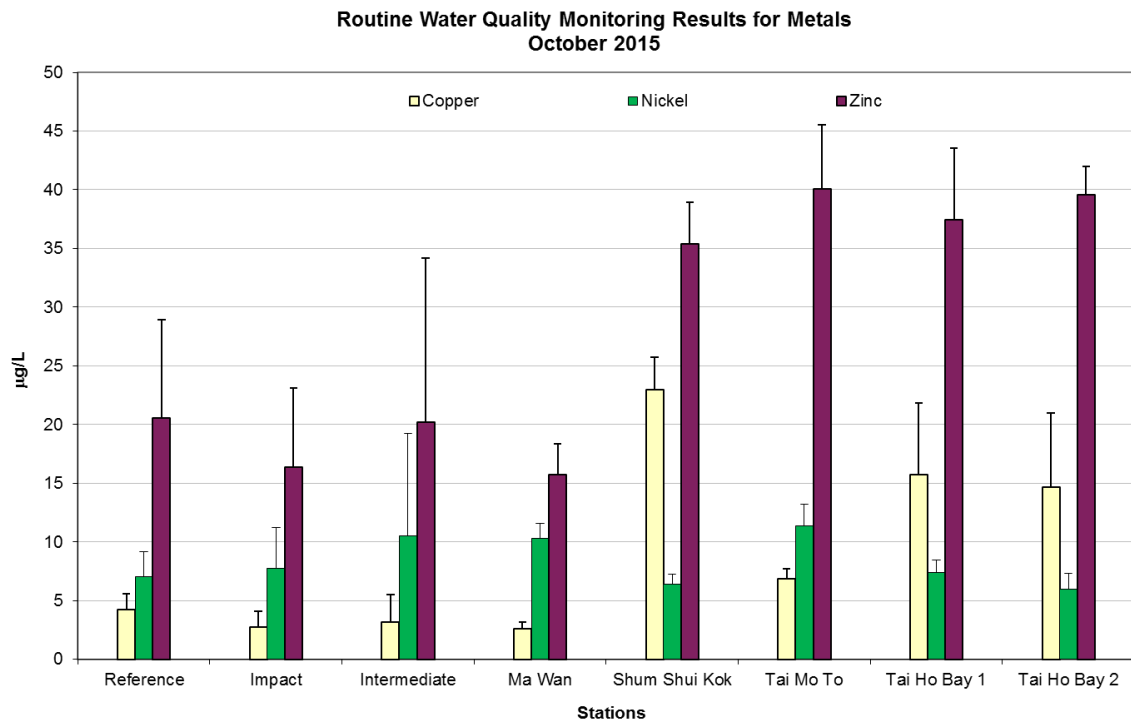


Figure 16: Concentration of Copper, Nickel and Zinc ($\mu\text{g/L}$; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

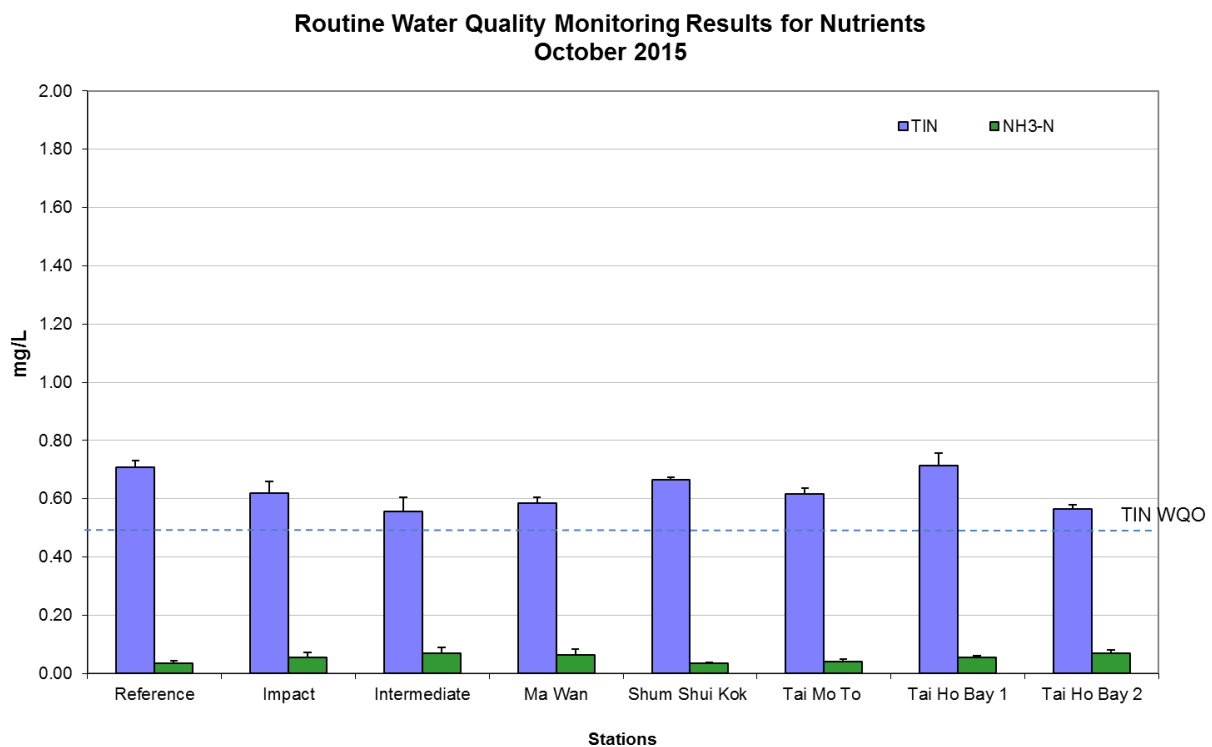


Figure 17: Concentration of Total Inorganic Nitrogen and $\text{NH}_3\text{-N}$ ($\mu\text{g/L}$; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

**Routine Water Quality Monitoring Results for Biochemical Oxygen Demand (BOD₅)
October 2015**

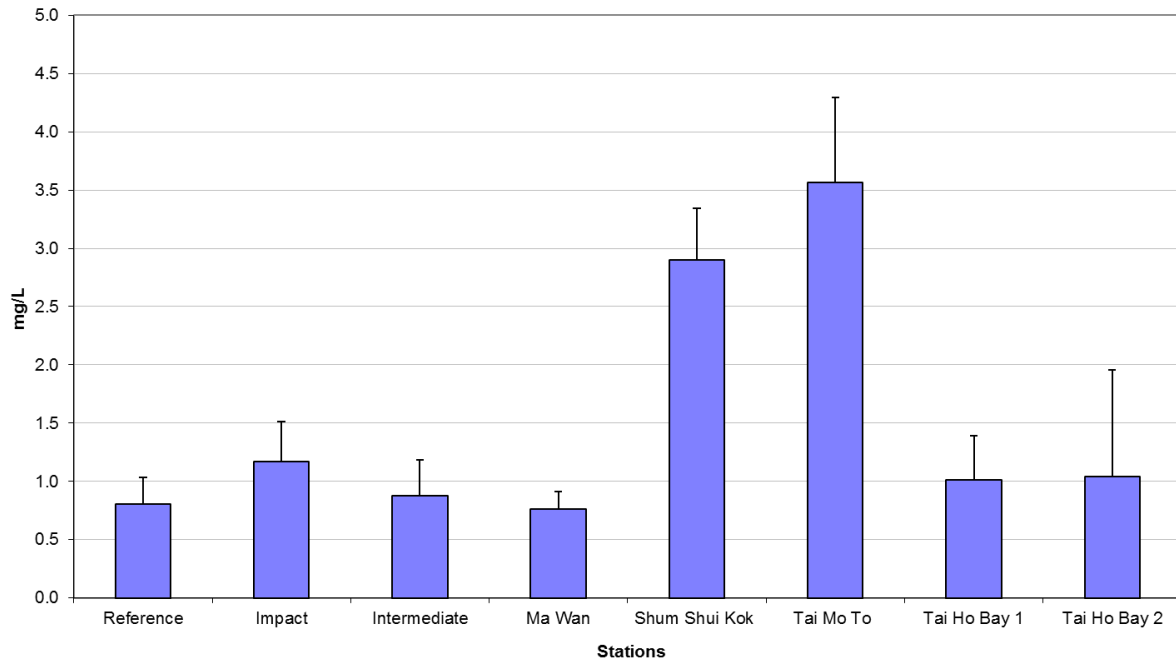


Figure 18: Level of Biochemical Oxygen Demand (BOD₅) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

**Routine Water Quality Monitoring for Suspended Solids
October 2015**

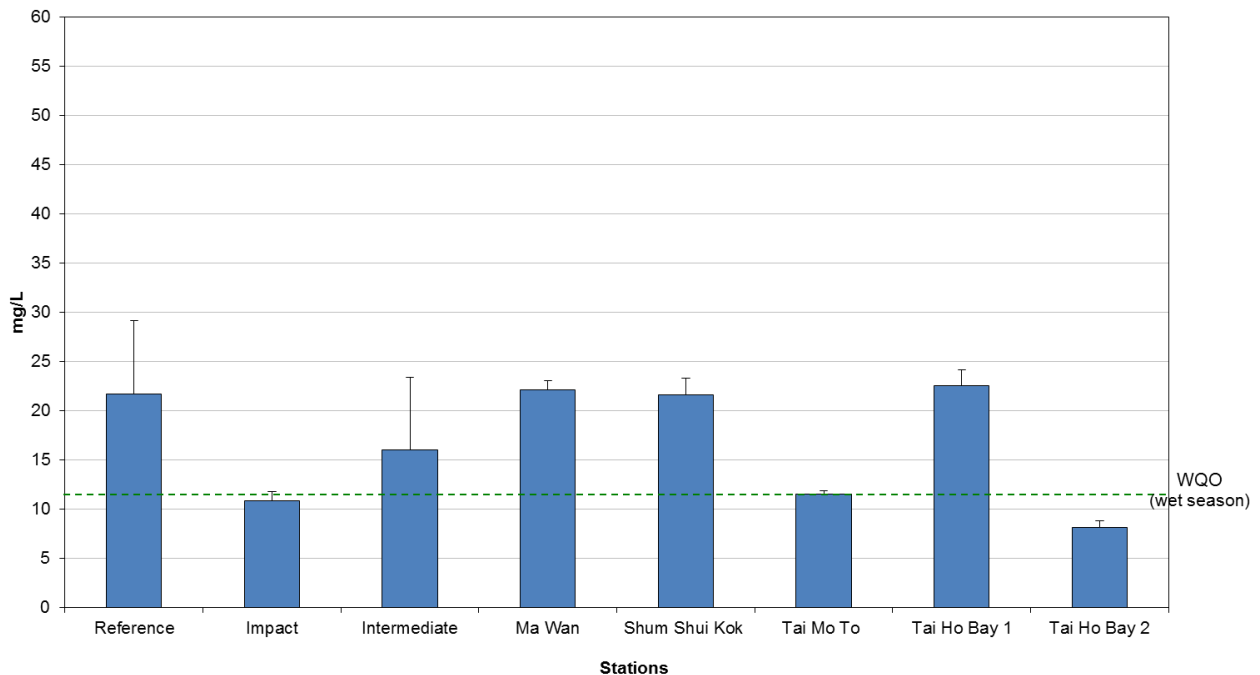


Figure 19: Concentration of Suspended Solids (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in October 2015.

Source: H:\Team\EM\GMS Projects\0175086 CEDD EM&A for South Brothers\02 Deliverable\07 CMP Monthly Report\38th (October 2015)

Date: 14/11/2015

**Environmental
Resources
Management**

