

Figure 1: Levels of pH (mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2015.

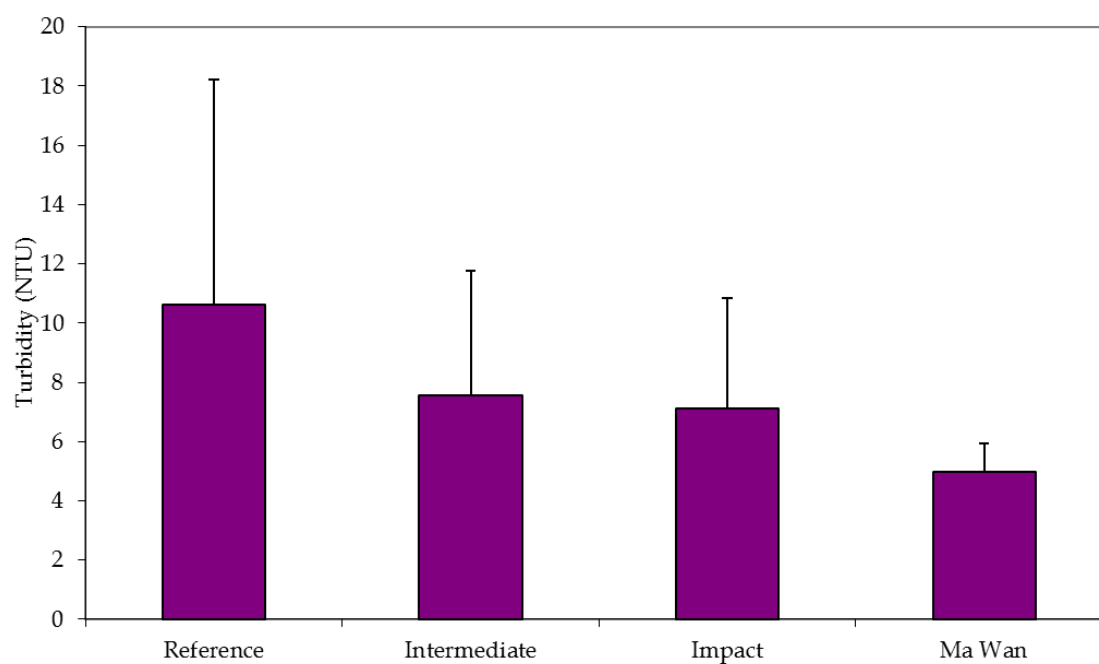


Figure 2: Levels of Turbidity (NTU; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2015.

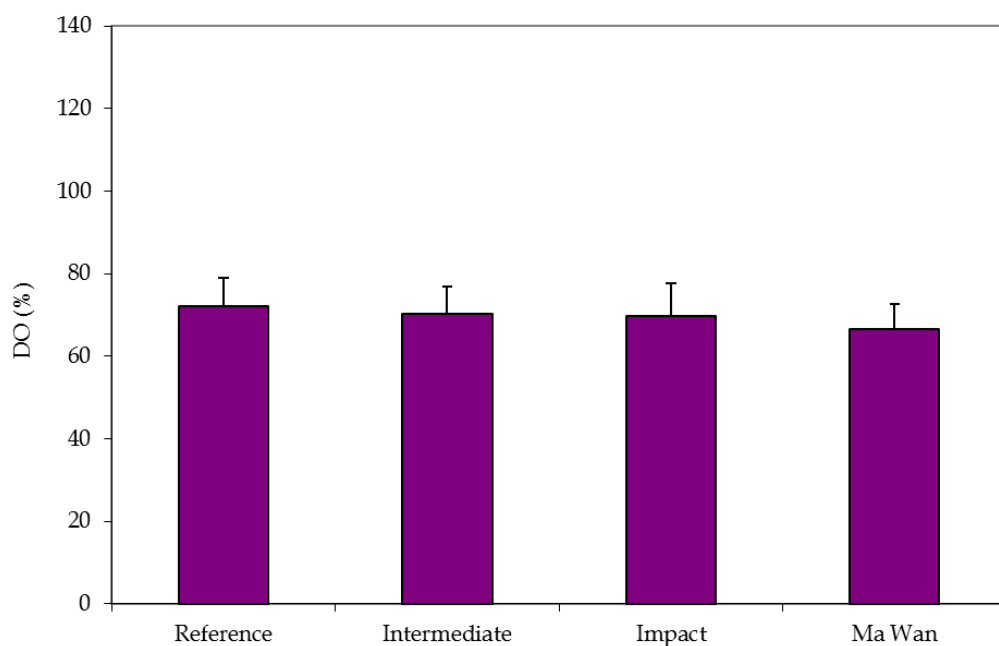


Figure 3: Levels of Dissolved Oxygen (% saturation; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2015.

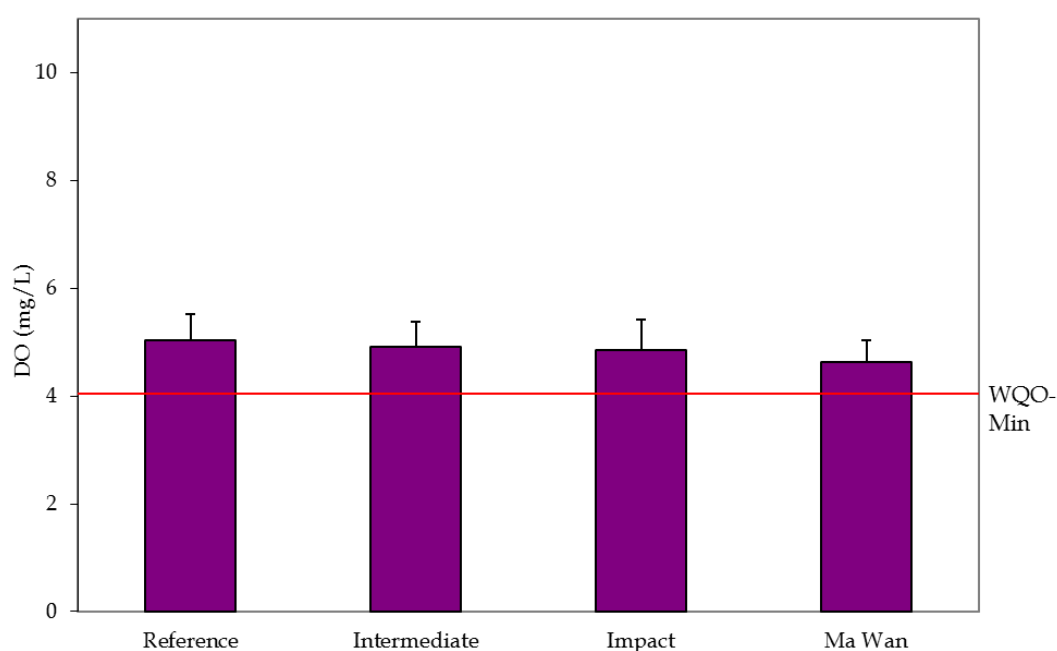


Figure 4: Levels of Dissolved Oxygen (mg/L; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2015.

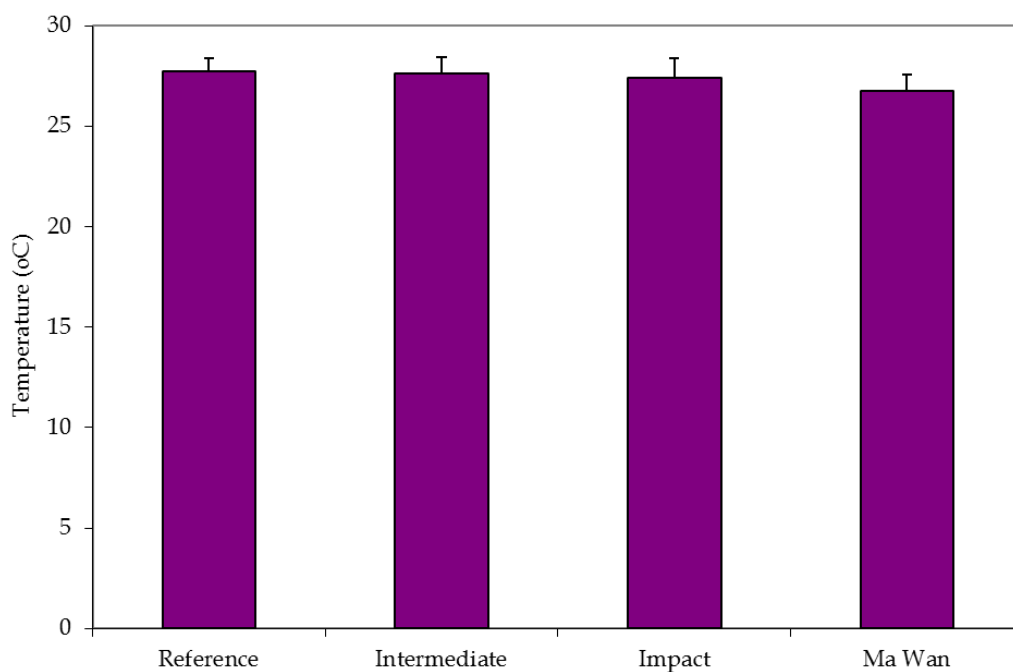


Figure 5: Levels of Temperature (°C; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2015.

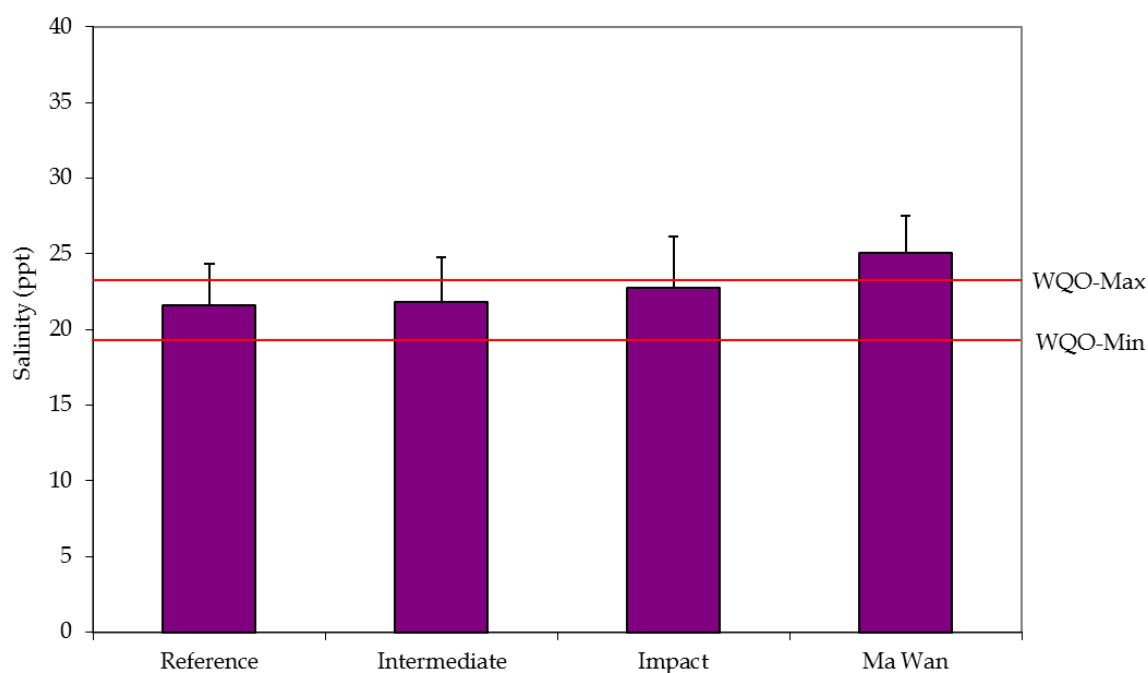


Figure 6: Levels of Salinity (ppt; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2015.

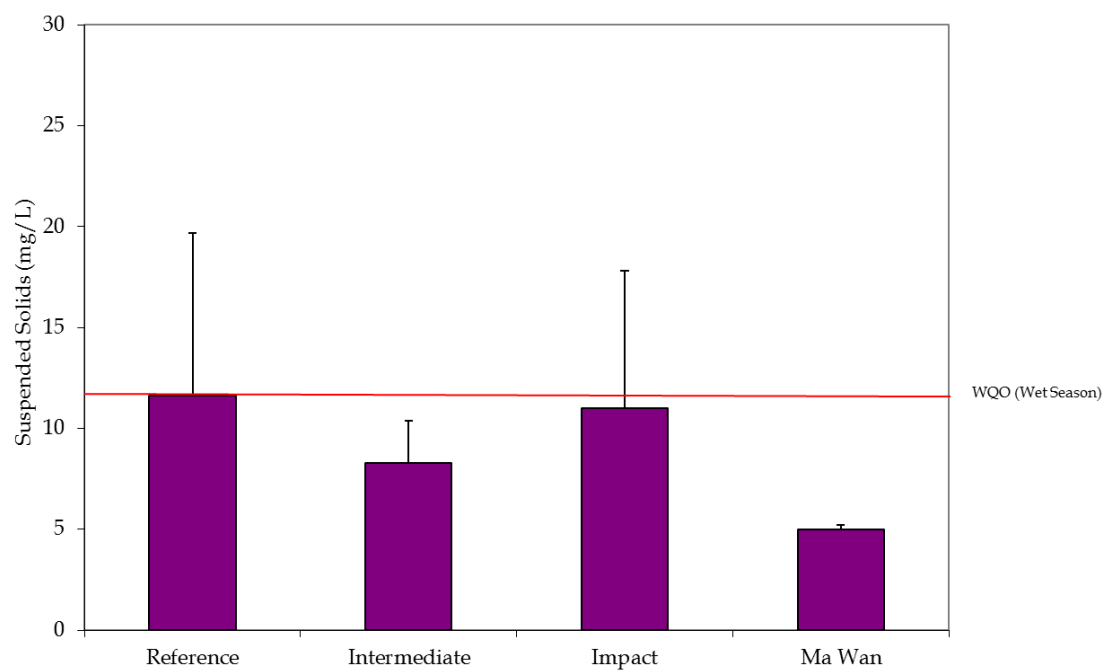


Figure 7: Levels of Suspended Solids (mg/L; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2015.

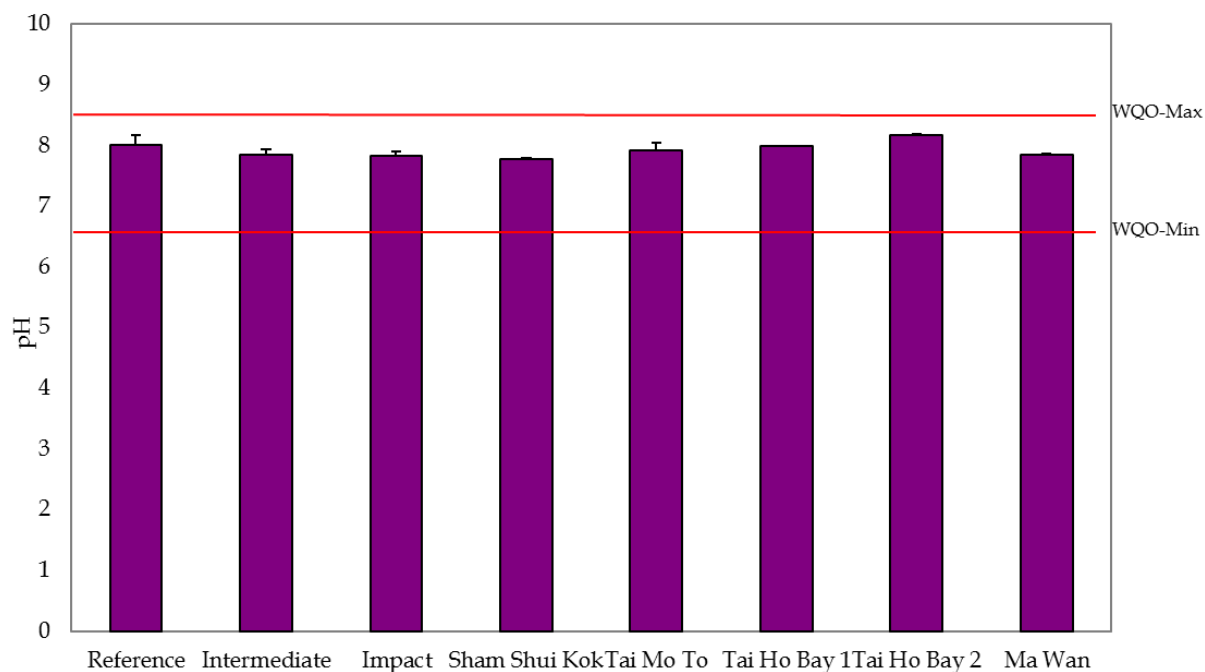


Figure 8: Levels of pH (mean +SD) recorded from Water Quality Monitoring during Capping of SB CMP 1 in August 2015.

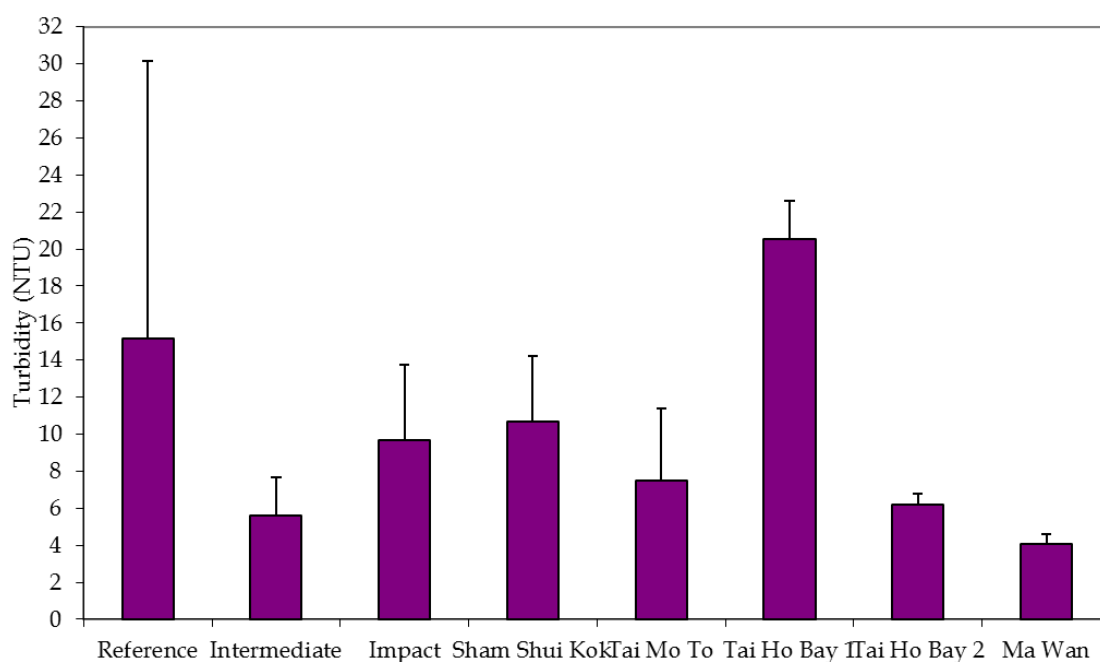


Figure 9: Levels of Turbidity (NTU; mean +SD) recorded from Water Quality Monitoring during Capping of SB CMP 1 in August 2015.

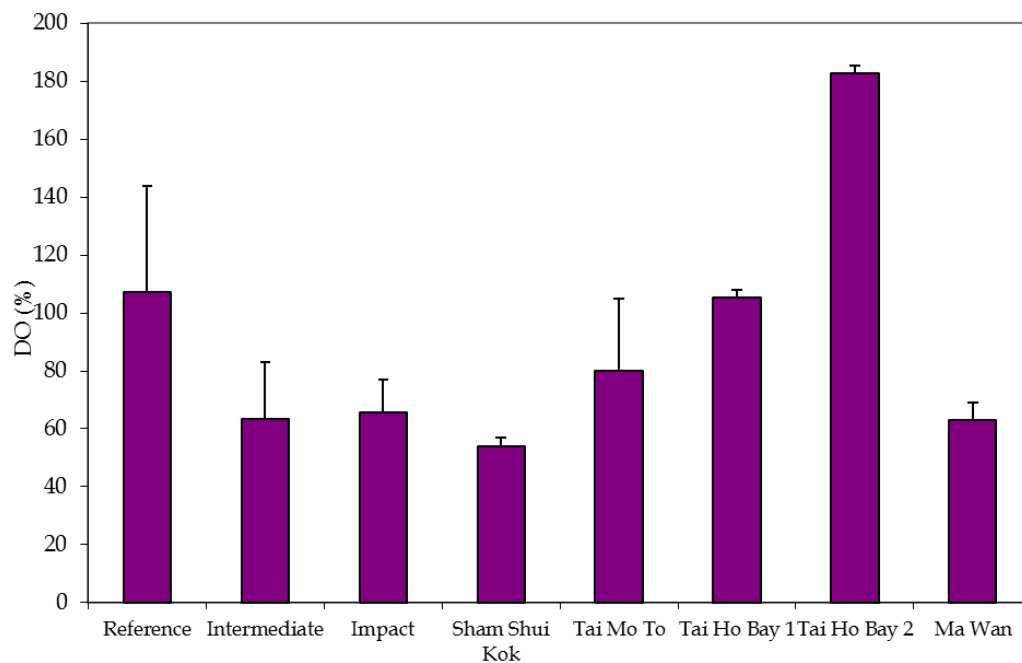


Figure 10: Levels of Dissolved Oxygen (% saturation; mean +SD) recorded from Water Quality Monitoring during Capping of SB CMP 1 in August 2015.

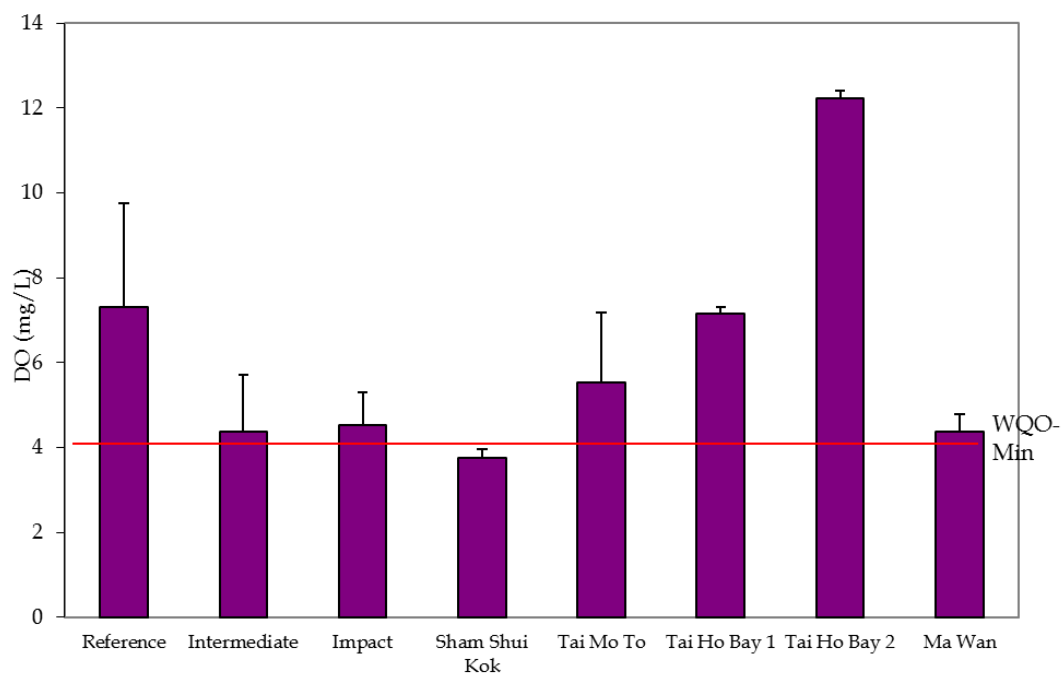


Figure 11: Levels of Dissolved Oxygen (mg/L; mean +SD) recorded from Water Quality Monitoring during Capping of SB CMP 1 in August 2015.

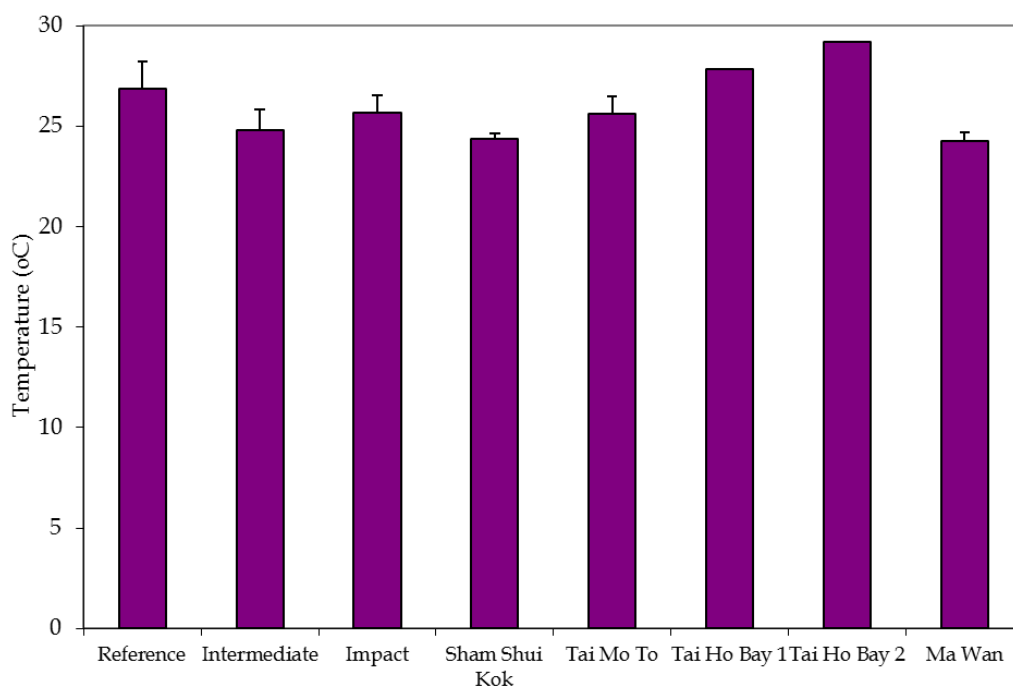


Figure 12: Levels of Temperature (°C; mean +SD) recorded from Water Quality Monitoring during Capping of SB CMP 1 in August 2015.

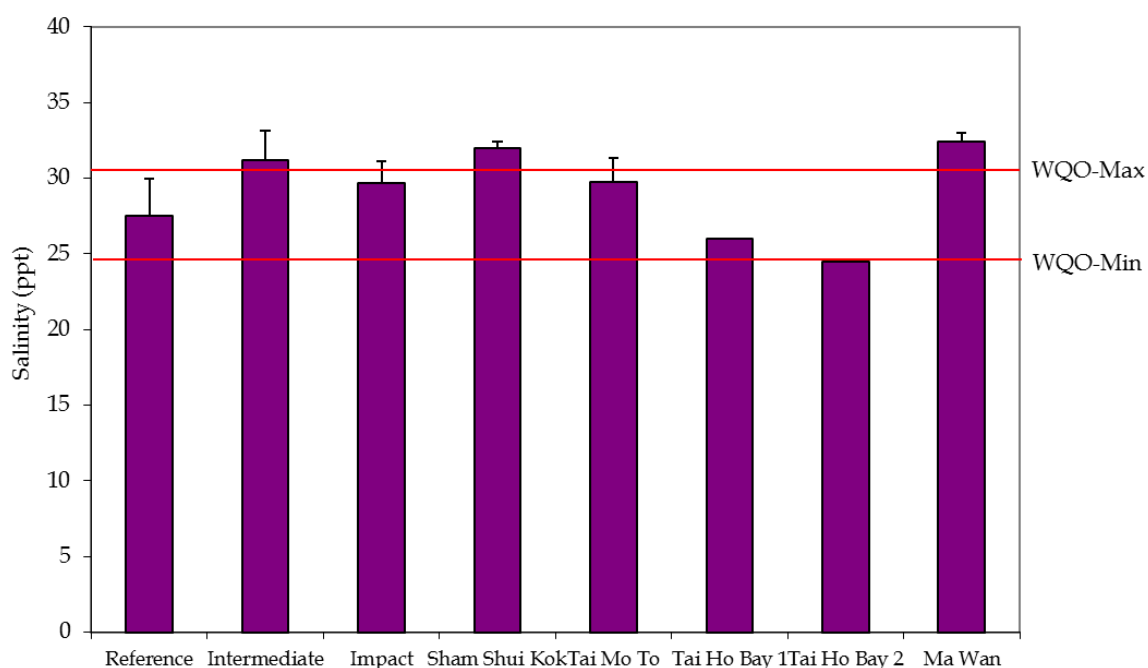


Figure 13: Levels of Salinity (ppt; mean +SD) recorded from Water Quality Monitoring during Capping of SB CMP 1 in August 2015.

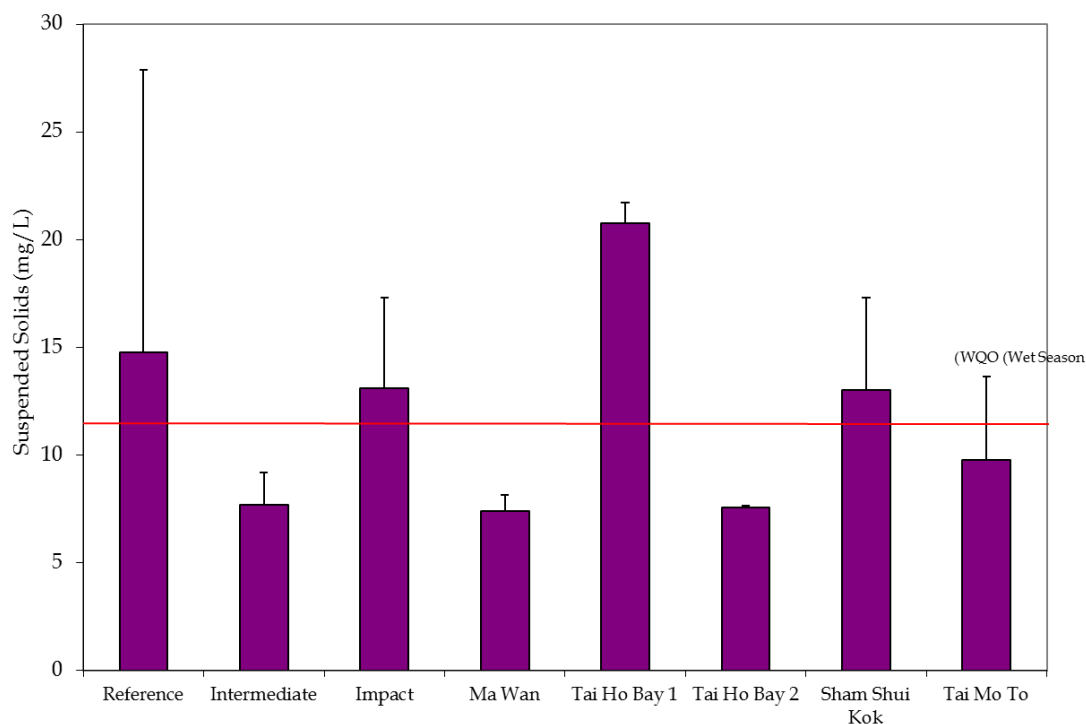


Figure 14 Levels of Suspended Solids (mg/L; mean +SD) recorded from Water Quality Monitoring during Capping of SB CMP 1 in August 2015.

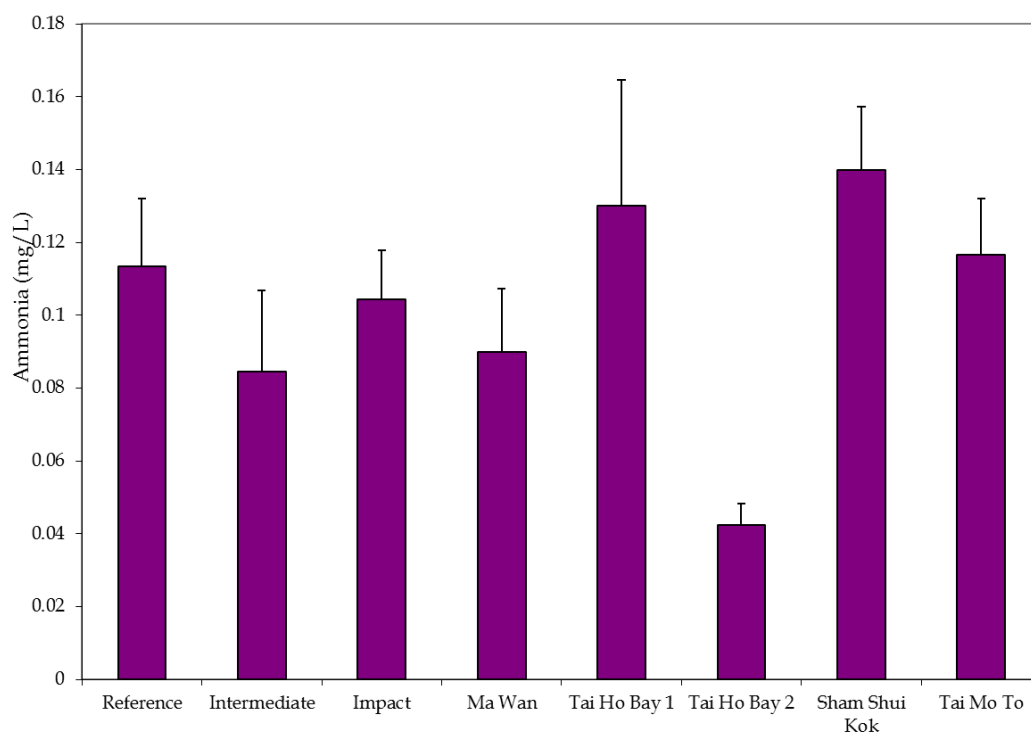


Figure 15 Level of Ammonia (mg/L; mean + SD) recorded from Water Quality Monitoring during Capping for SB CMP 1 in August 2015.



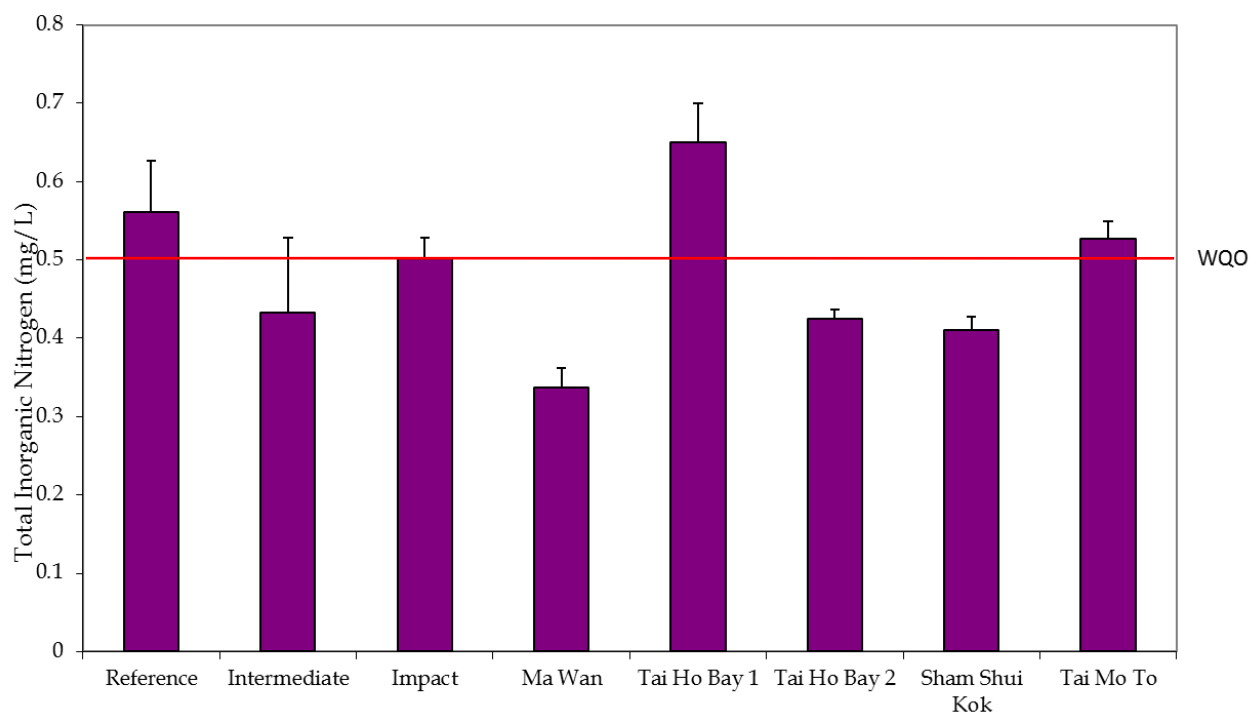


Figure 16: Level of TIN (mg/L; mean + SD) recorded from Water Quality Monitoring during Capping for SB CMP 1 in August 2015

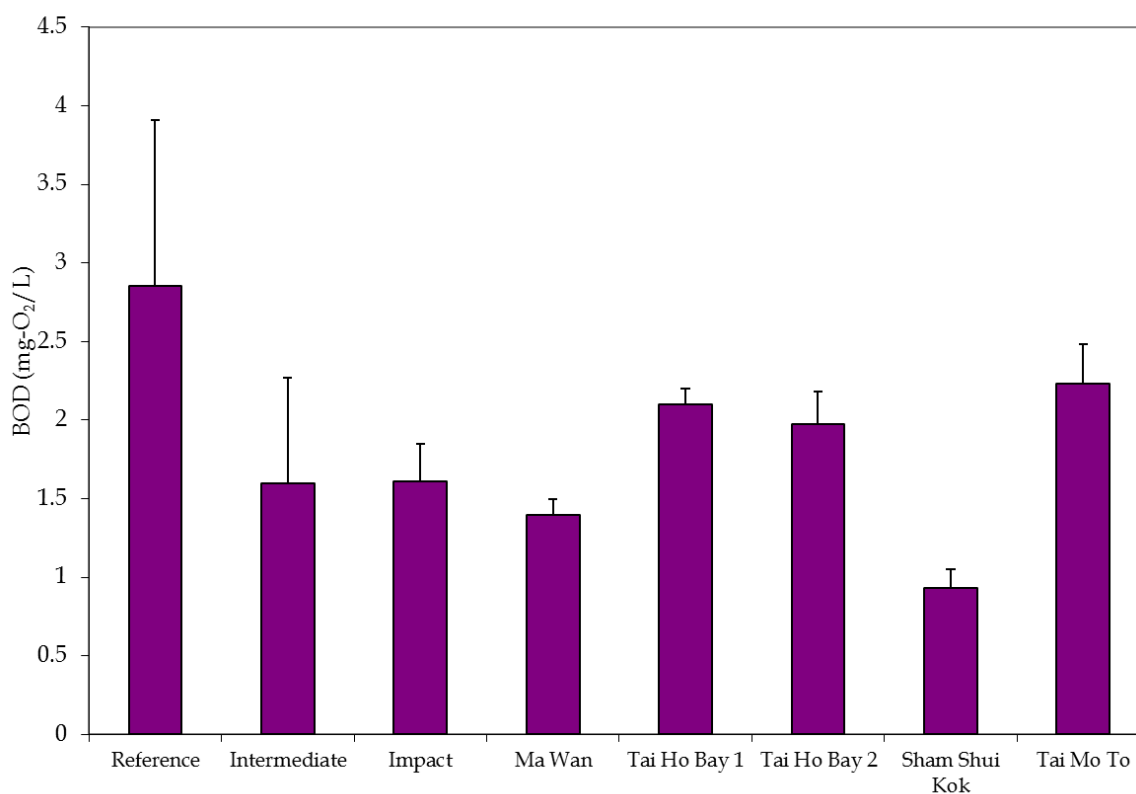


Figure 17: Level of BOD<sub>5</sub> (mg-O<sub>2</sub>/L; mean + SD) recorded from Water Quality Monitoring during Capping for SB CMP 1 in August 2015.

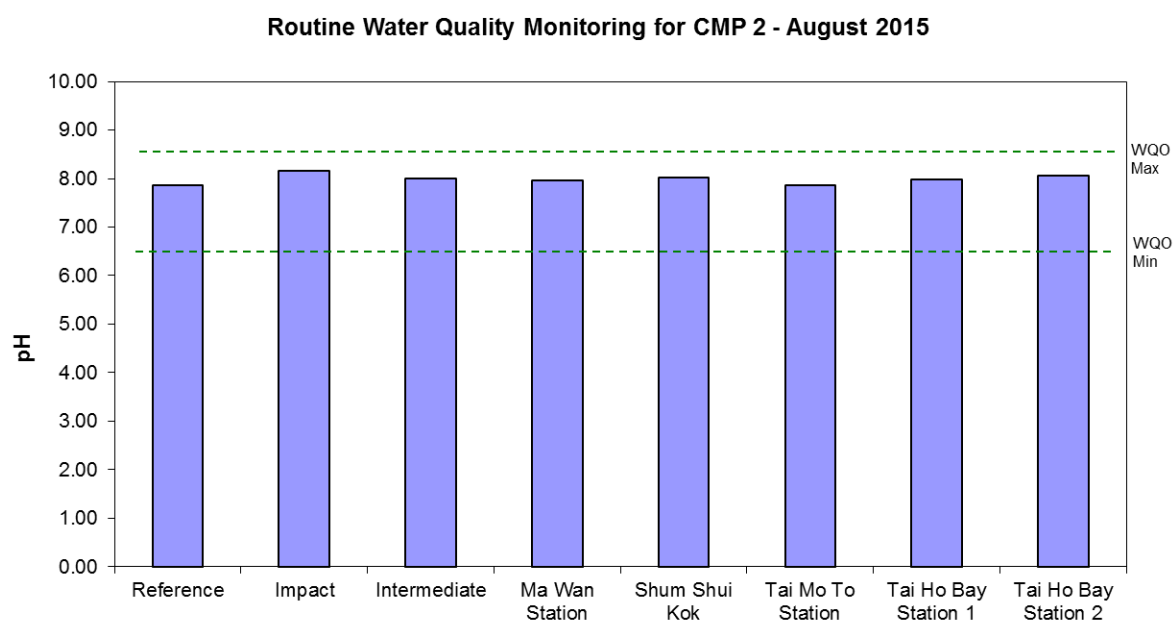


Figure 18: Level of pH recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

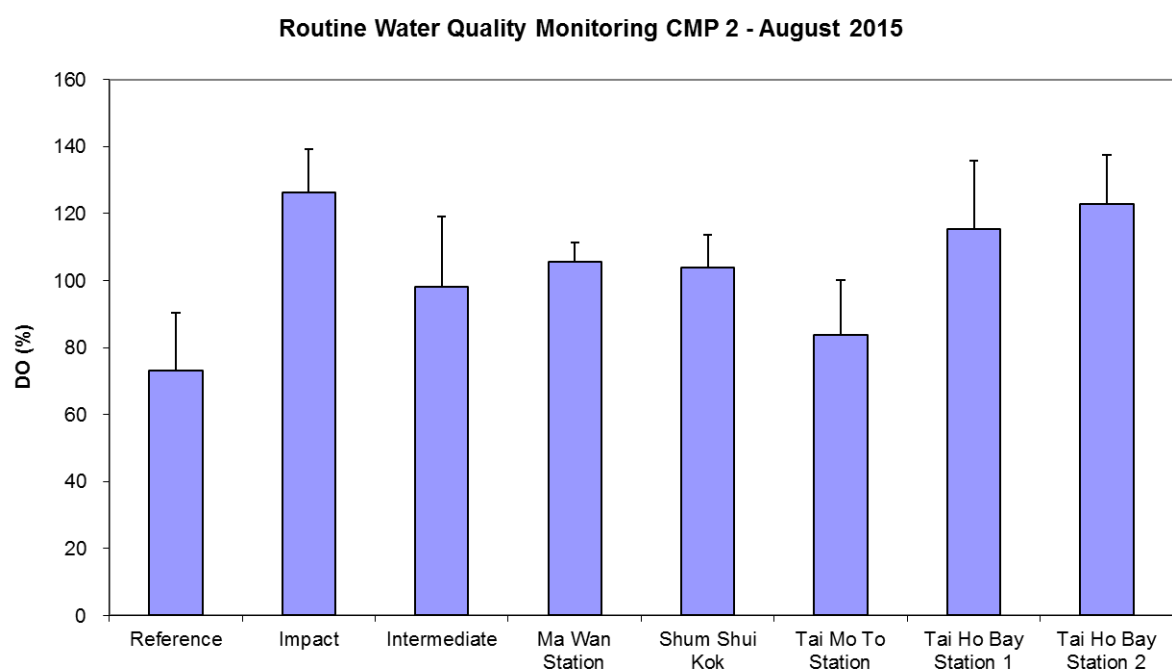


Figure 19: Level of Dissolved Oxygen (% saturation; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

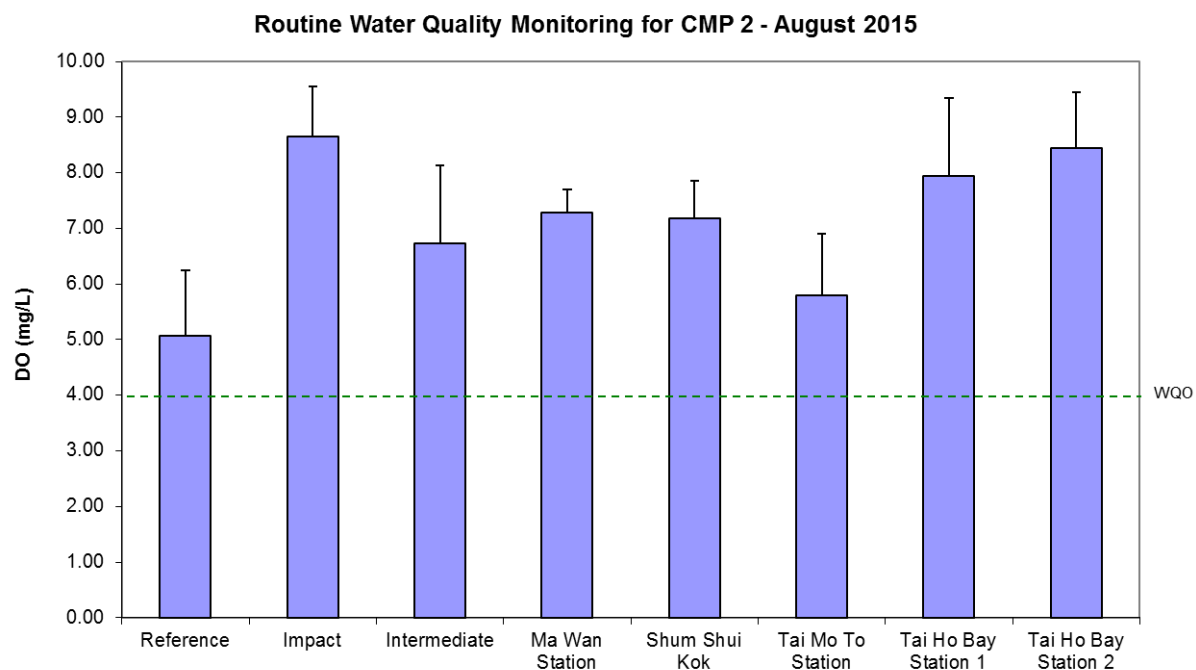


Figure 20: Concentration of Dissolved Oxygen (mg/L; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

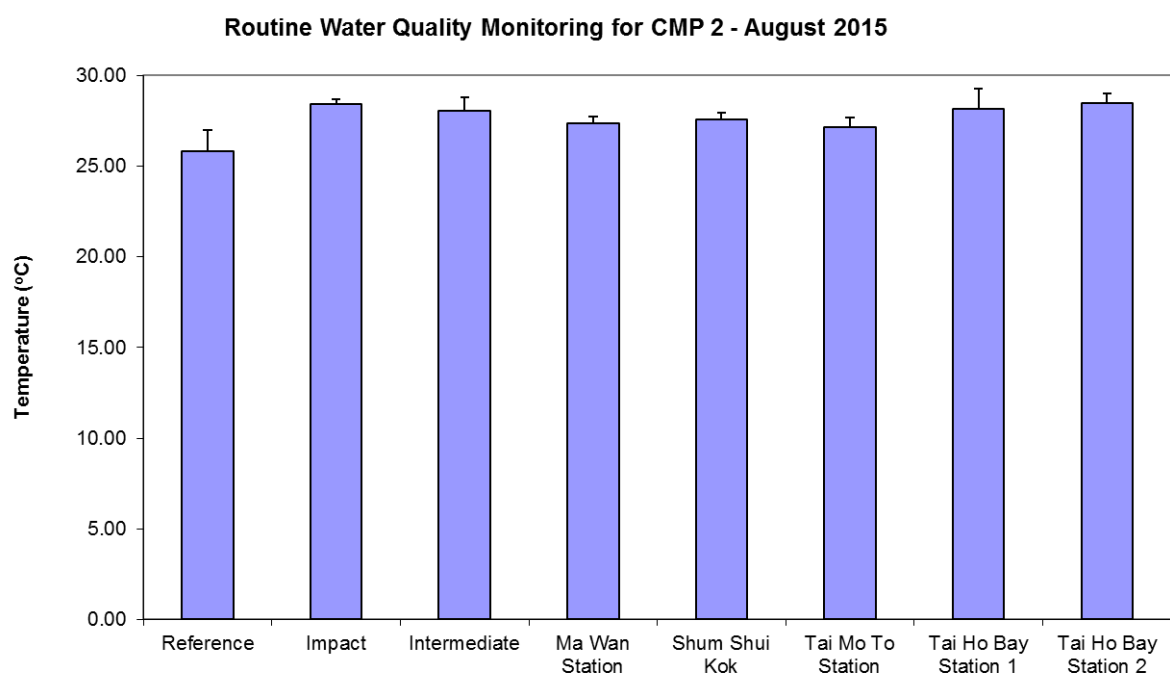


Figure 21: Level of Temperature (°C; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

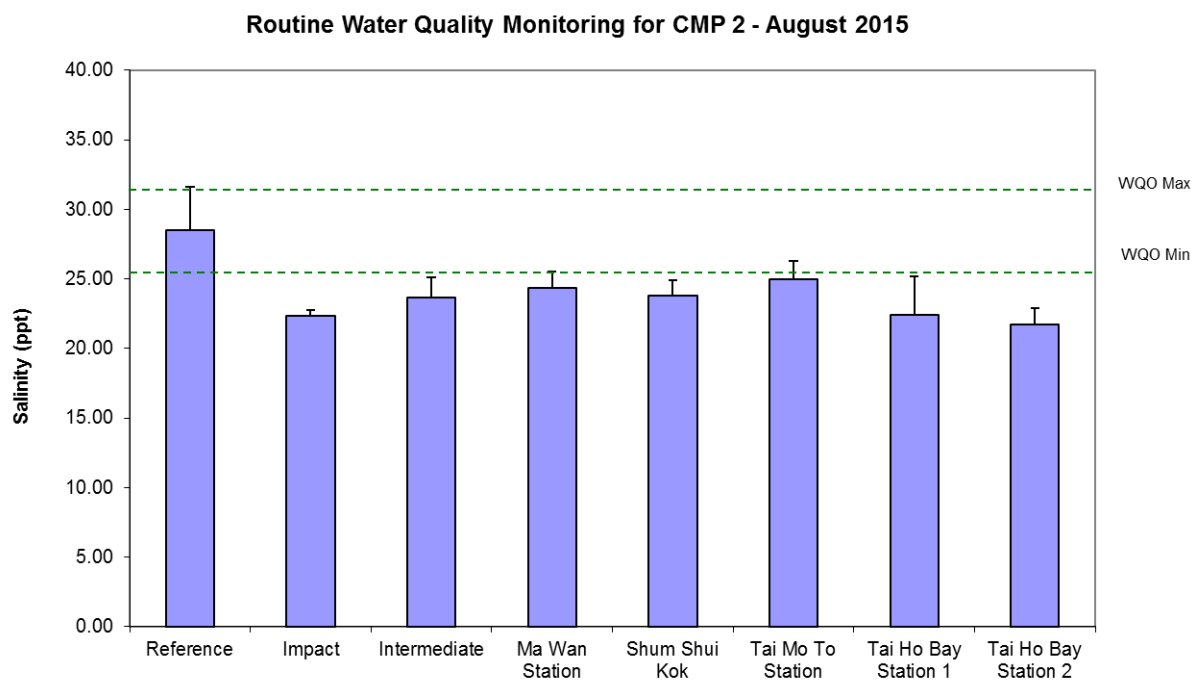


Figure 22: Level of Salinity (ppt; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

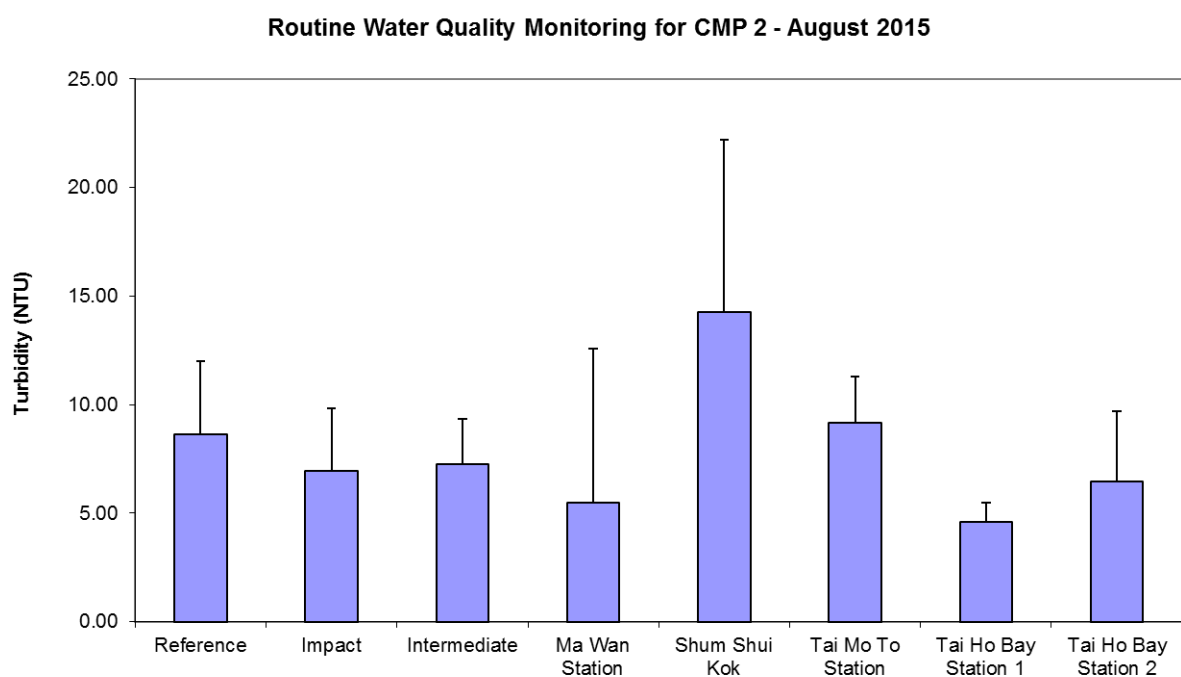


Figure 23: Levels of Turbidity (NTU; ,mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

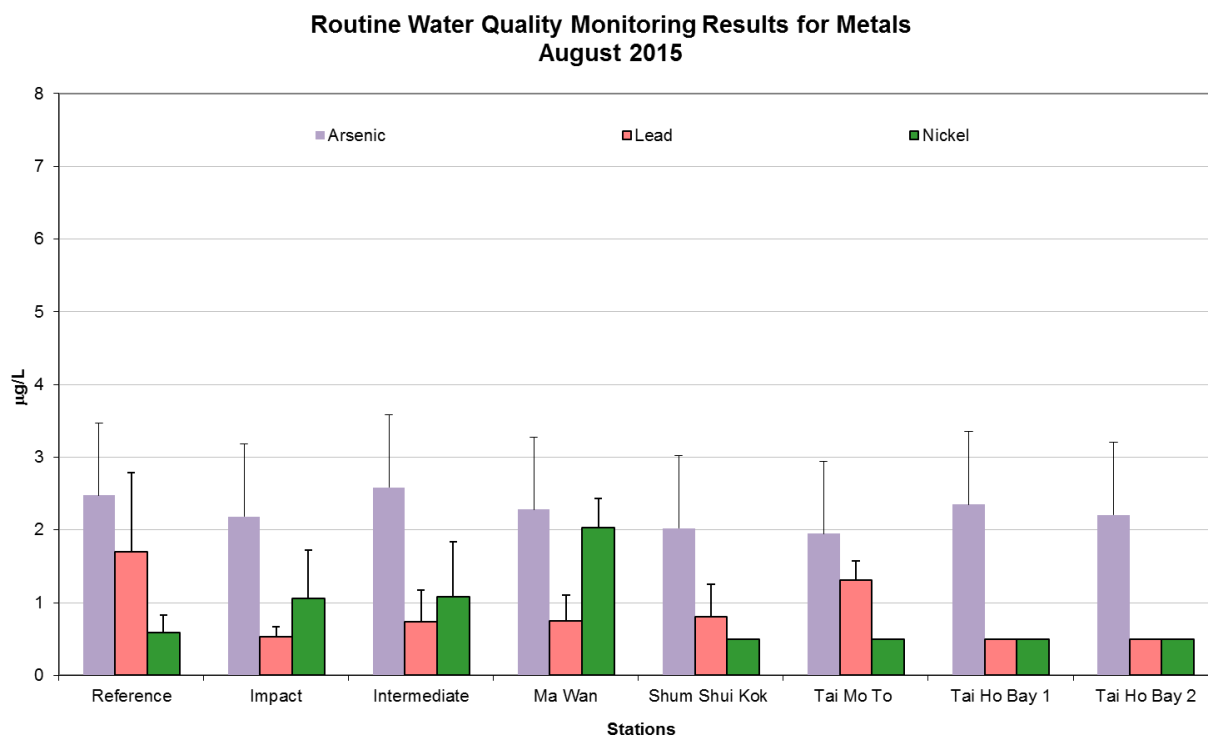


Figure 24: Concentration of Arsenic, Lead, Nickel ( $\mu\text{g/L}$ ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

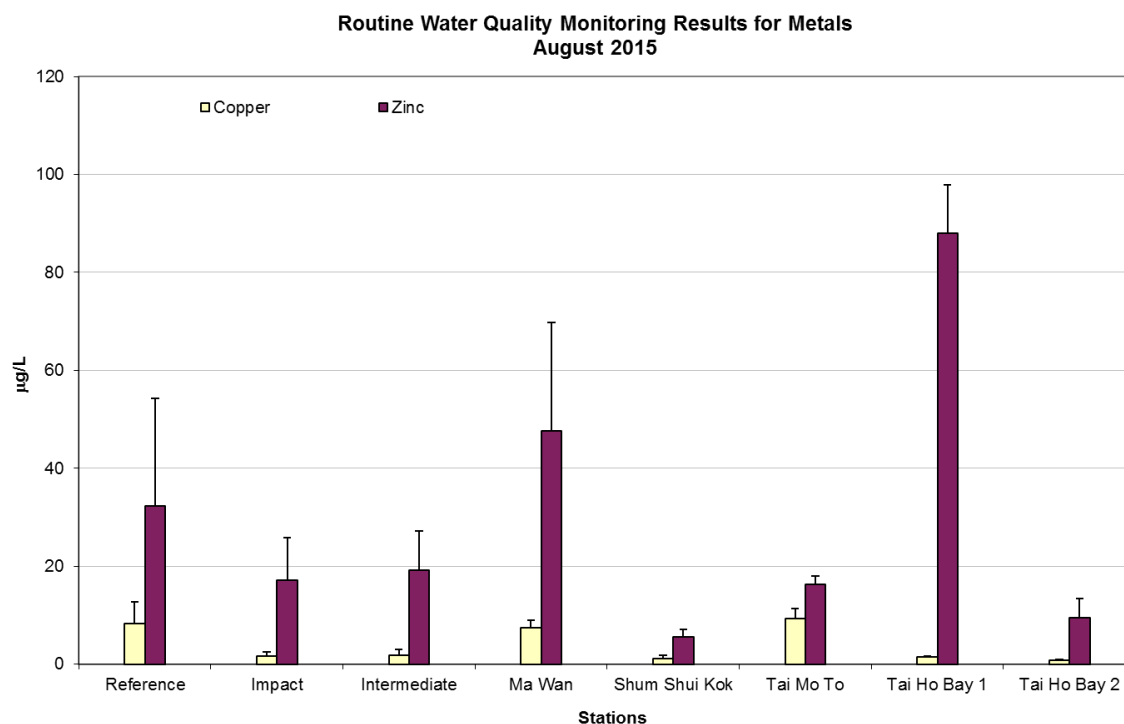


Figure 25: Concentration of Copper and Zinc ( $\mu\text{g/L}$ ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

**Routine Water Quality Monitoring Results for Nutrients  
August 2015**

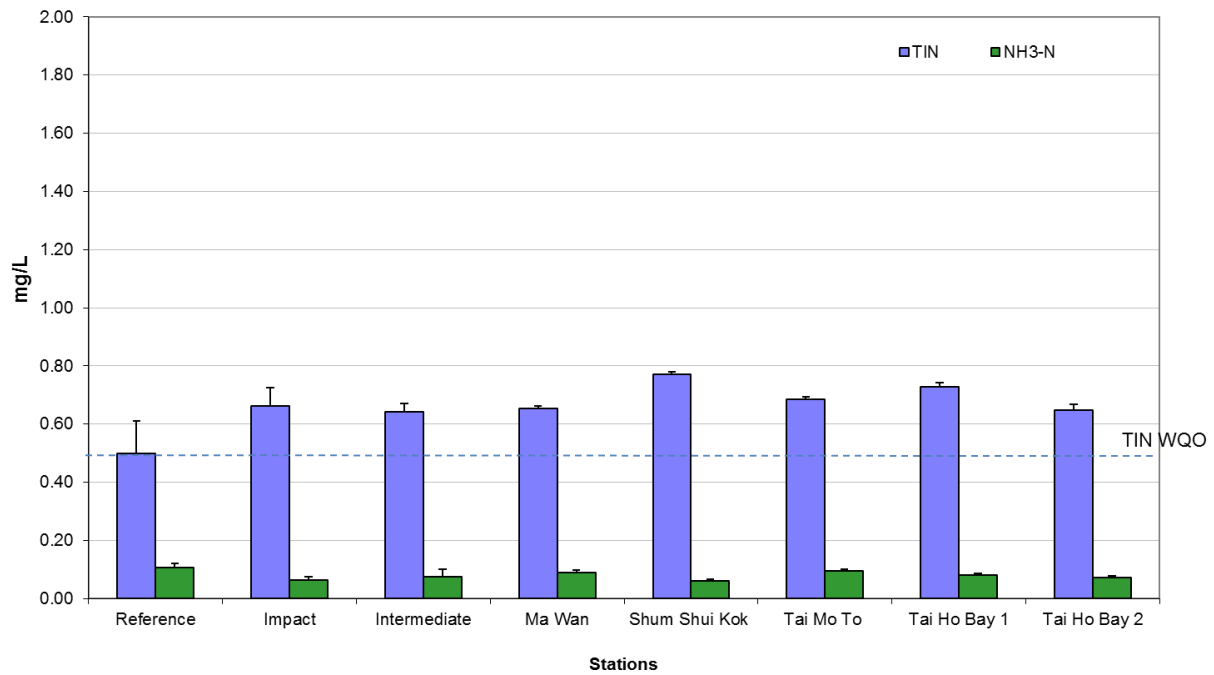


Figure 26: Concentration of Total Inorganic Nitrogen and NH<sub>3</sub>-N ( $\mu\text{g/L}$ ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

**Routine Water Quality Monitoring Results for Biochemical Oxygen Demand (BOD<sub>5</sub>)  
August 2015**

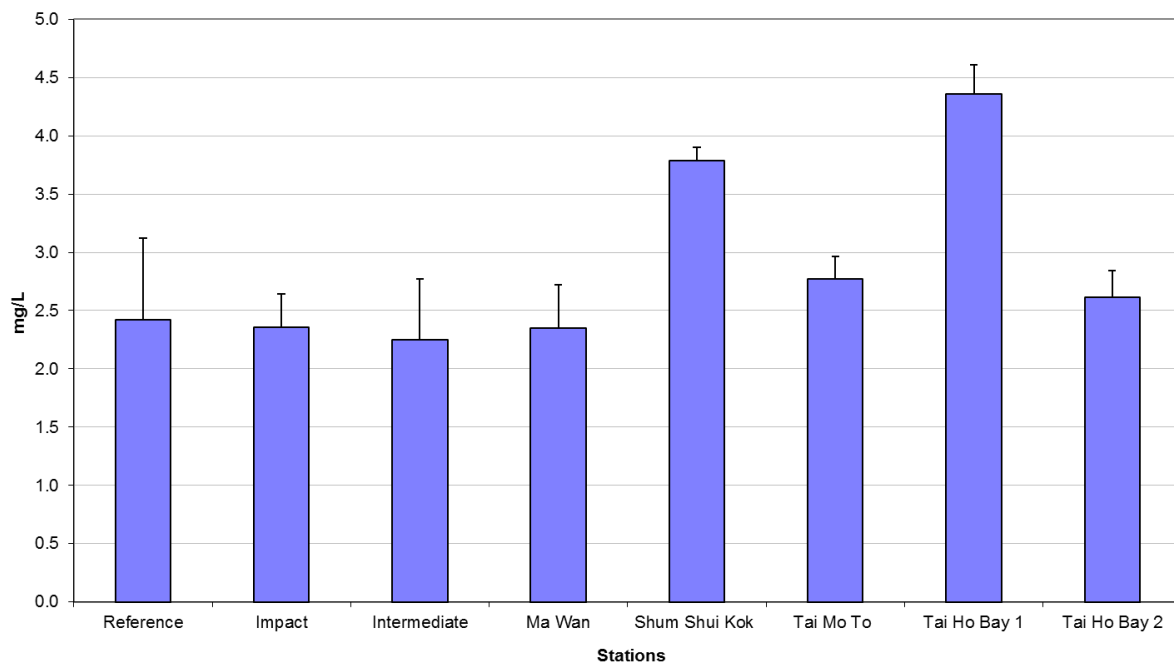


Figure 27: Level of Biochemical Oxygen Demand (BOD<sub>5</sub>) ( $\text{mg/L}$ ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.

Source: H:\Team\EM\GMS Projects\0175086 CEDD EM&A for South Brothers\02 Deliverable\07 CMP Monthly Report\36th (August 2015)

Date: 14/9/2015

**Environmental  
Resources  
Management**



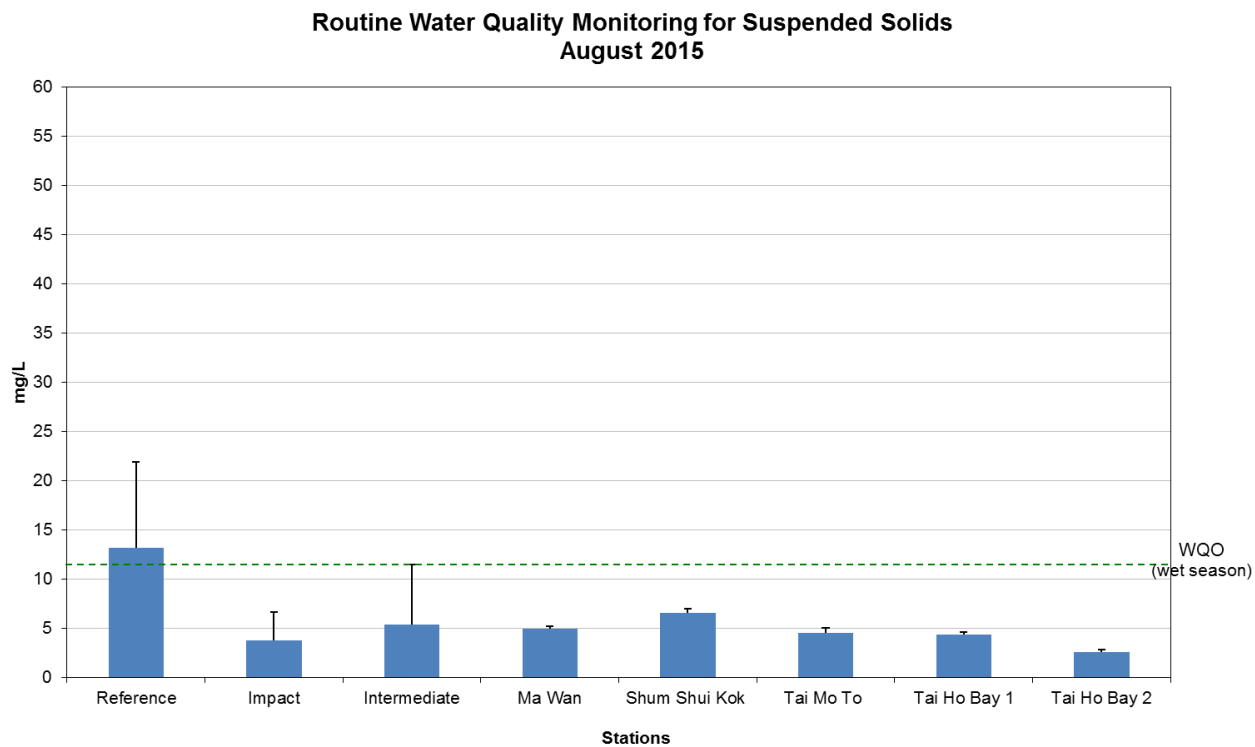


Figure 28: Concentration of Suspended Solids (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at CMP 2 in August 2015.