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Appendix C. Graphical Presentations

Mott MacDonald | Agreement No. CE 59/2020 (EP) Environmental Monitoring and Audit for Disposal Facility to the East of Sha Chau
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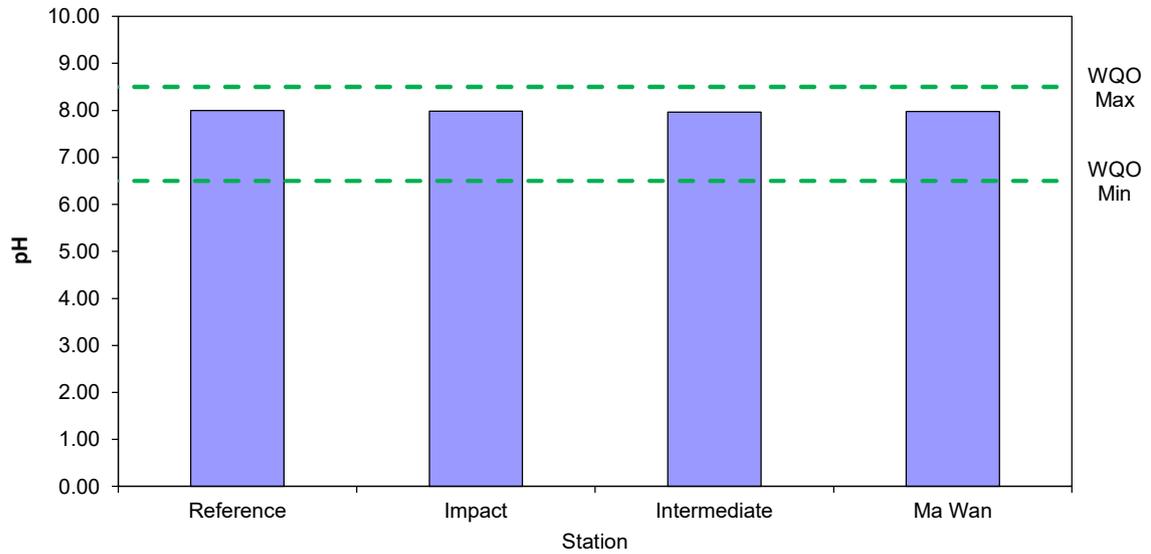**Routine Water Quality Monitoring for ESC CMP V - April 2023**

Figure 1:   Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

Routine Water Quality Monitoring for ESC CMP V - April 2023
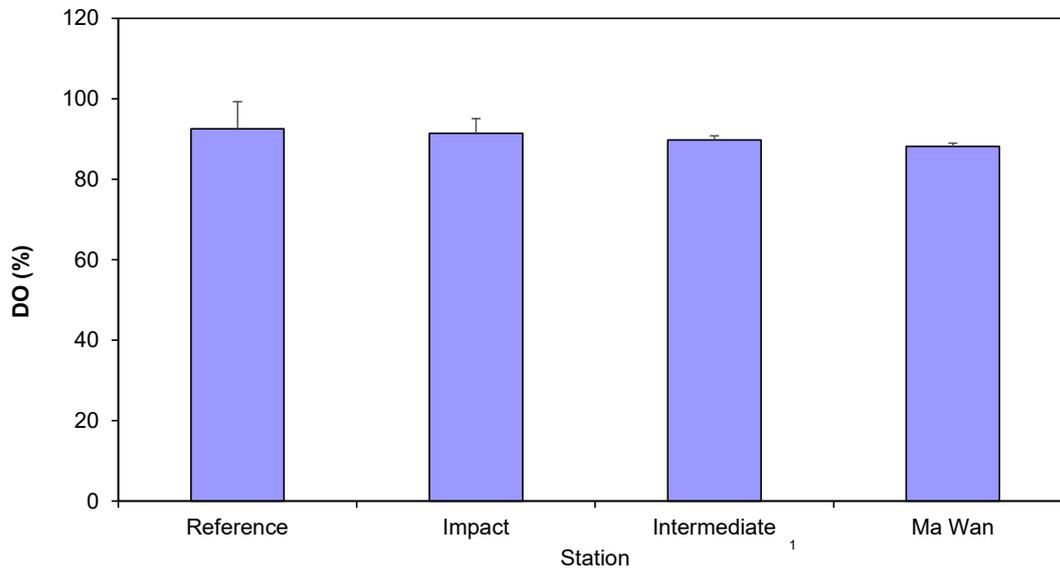

Figure 2:   Level of Dissolved Oxygen (DO) (% saturation; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

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[1]   The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

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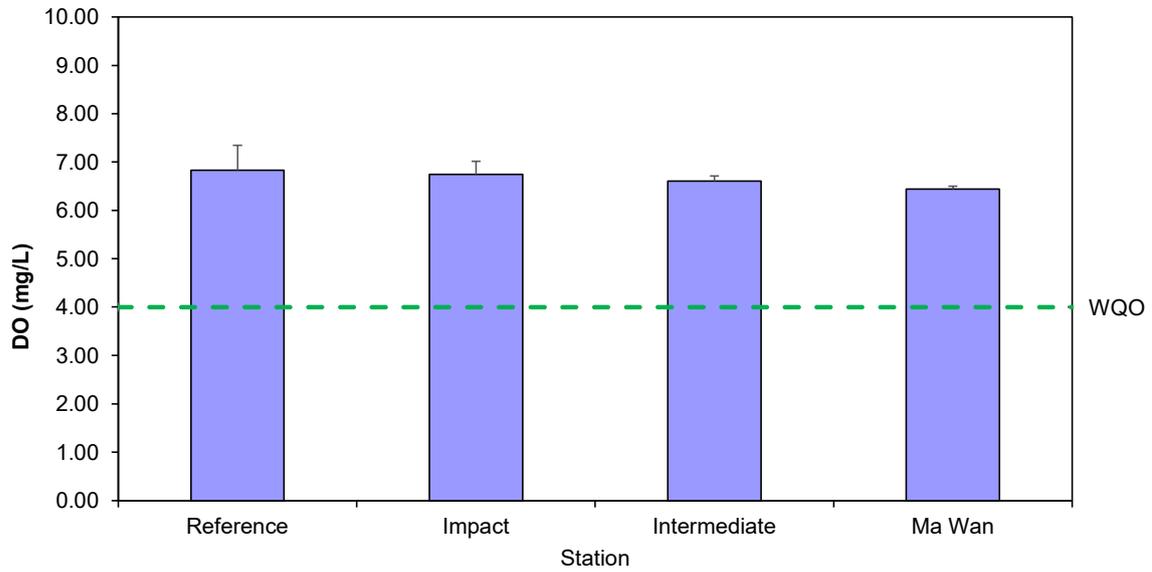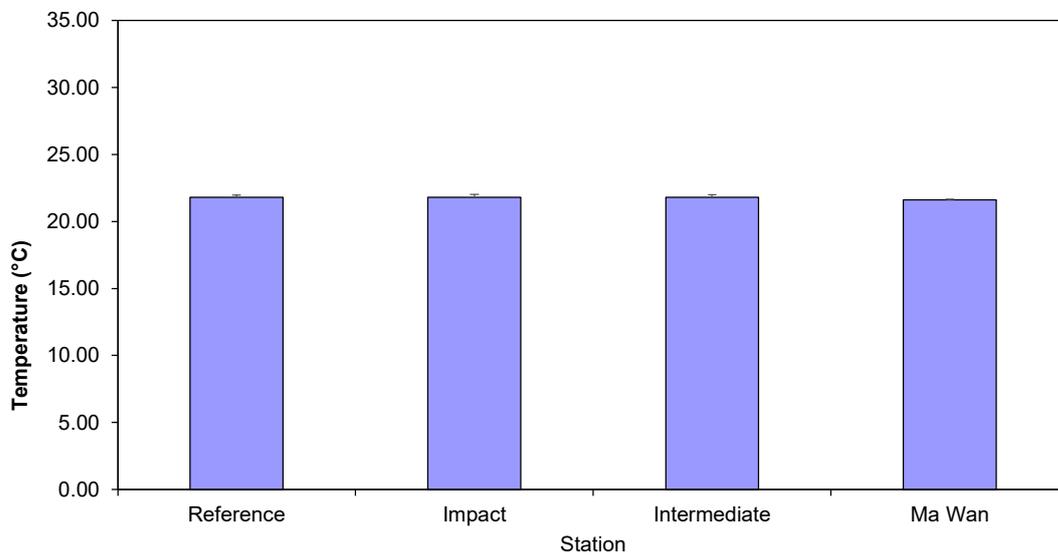**Routine Water Quality Monitoring for ESC CMP V - April 2023**

Figure 3: Concentration of Dissolved Oxygen (DO) (mg/L; mean + SD[1]) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

Routine Water Quality Monitoring for ESC CMP V - April 2023

Figure 4: Level of Temperature (°C; mean + SD[1]) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

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[1]   The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

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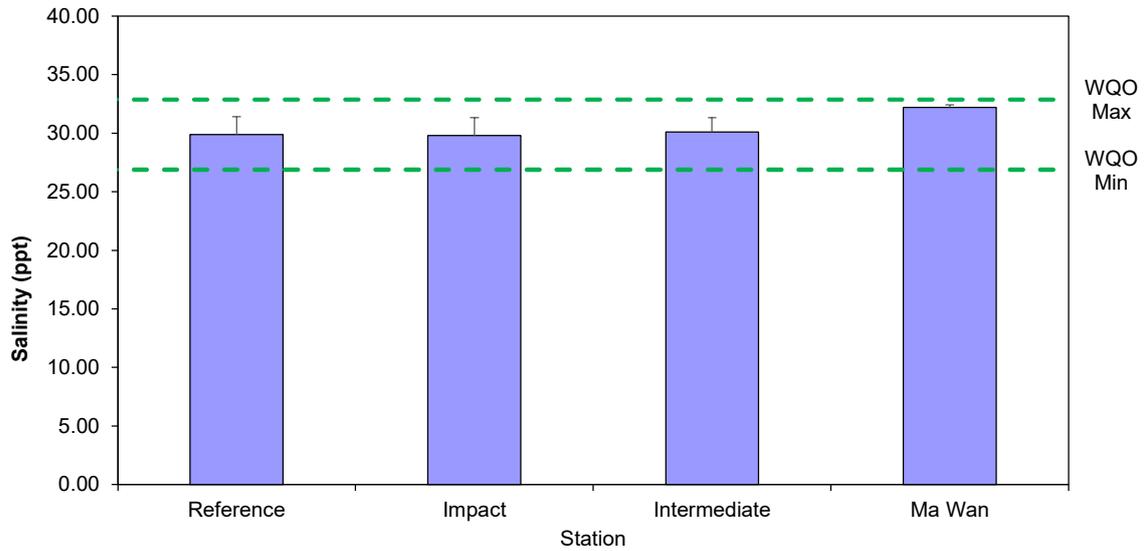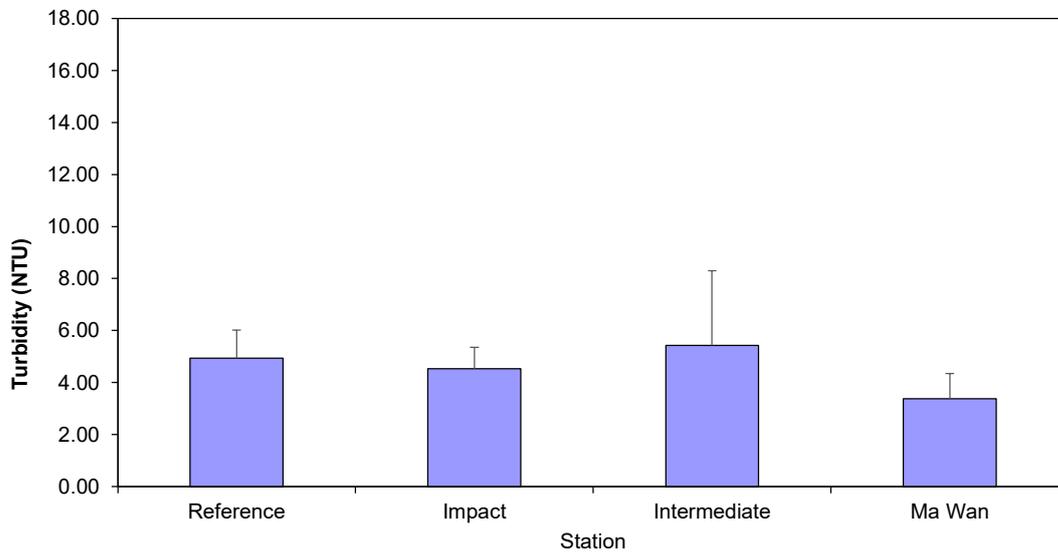
Figure 5: Level of Salinity (ppt; mean + SD[1]) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

Figure 6: Level of Turbidity (NTU; mean + SD[1]) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

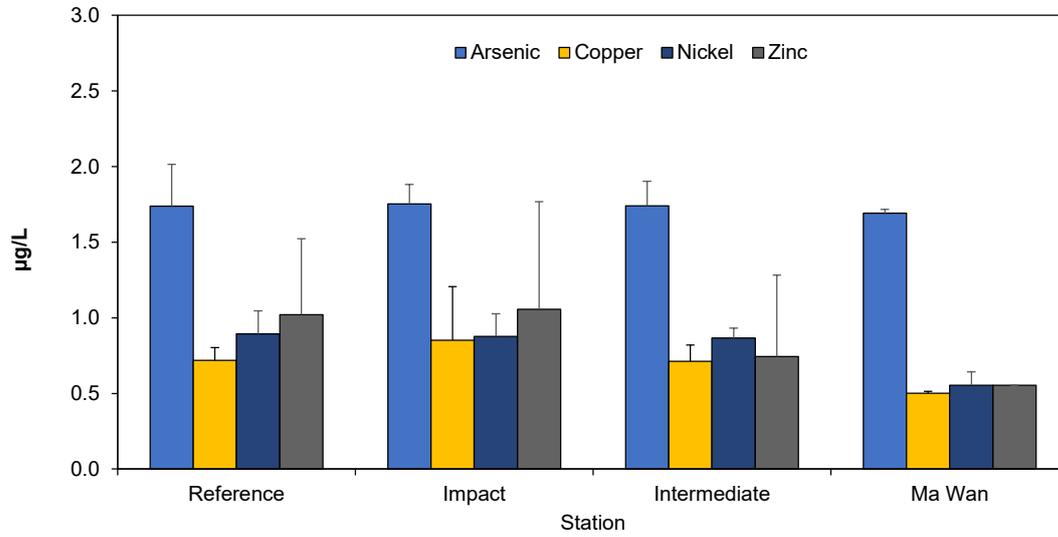1   The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

Figure 7: Concentration of Arsenic, Copper, Nickel, and Zinc (μg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023
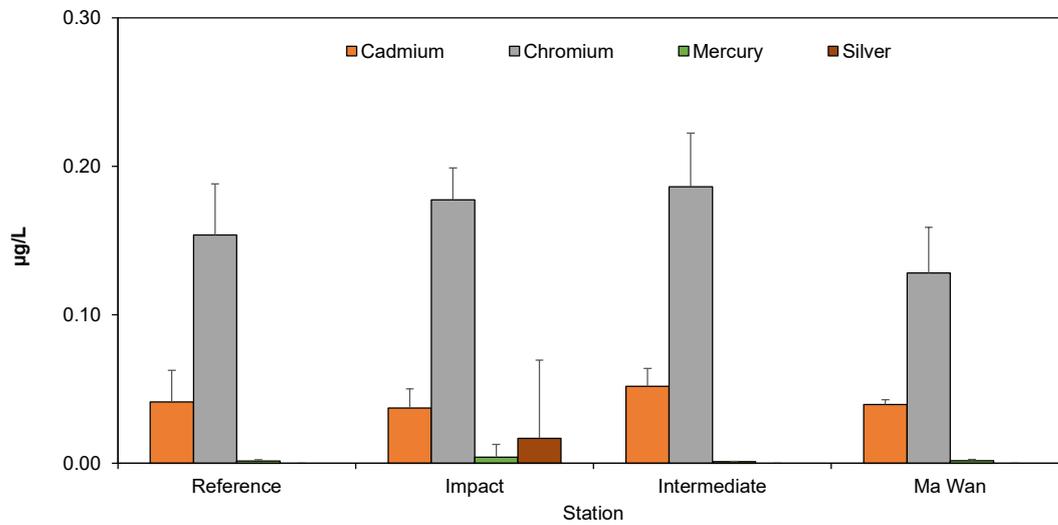

Figure 8: Concentration of Cadmium, Chromium, Mercury and Silver, (μg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

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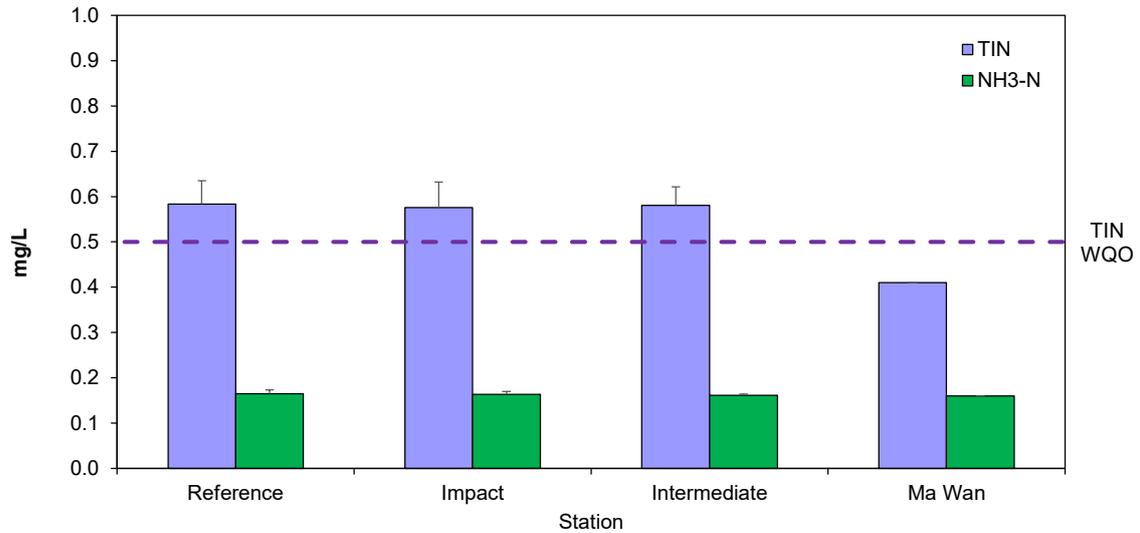**Routine Water Quality Monitoring for Nutrients - April 2023**

Figure 9: Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen (NH3-N) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

Routine Water Quality Monitoring for Biochemical Oxygen Demand (BOD5) - April 2023
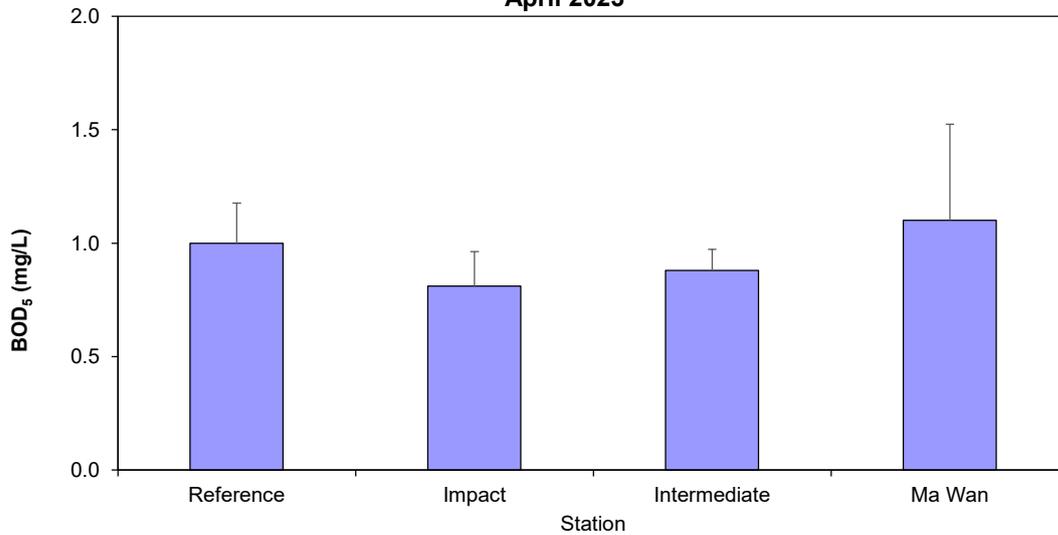

Figure 10: Level of Biochemical Oxygen Demand (BOD5) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

Routine Water Quality Monitoring for Suspended Solids - April 2023
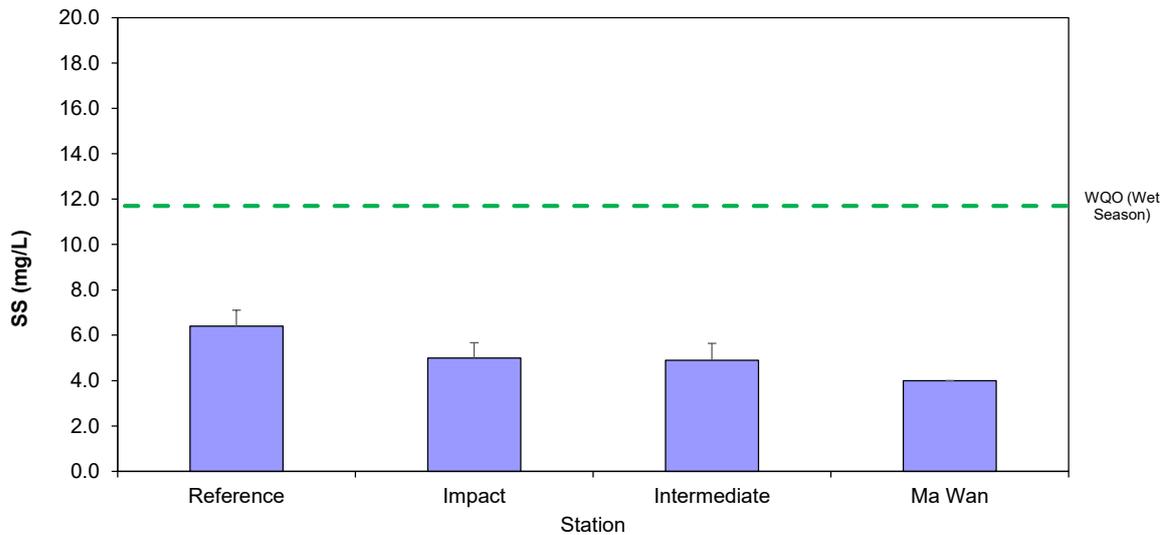

Figure 11   Concentration of Suspended Solids (SS) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in April 2023

Pit Specific Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMP Vb - April 2023
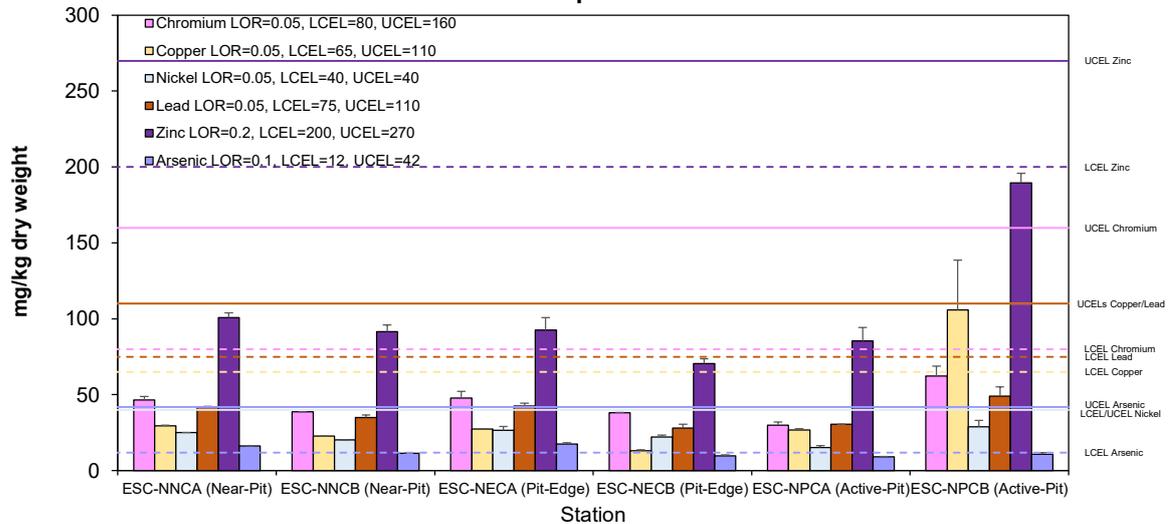

Figure 12:   Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in April 2023

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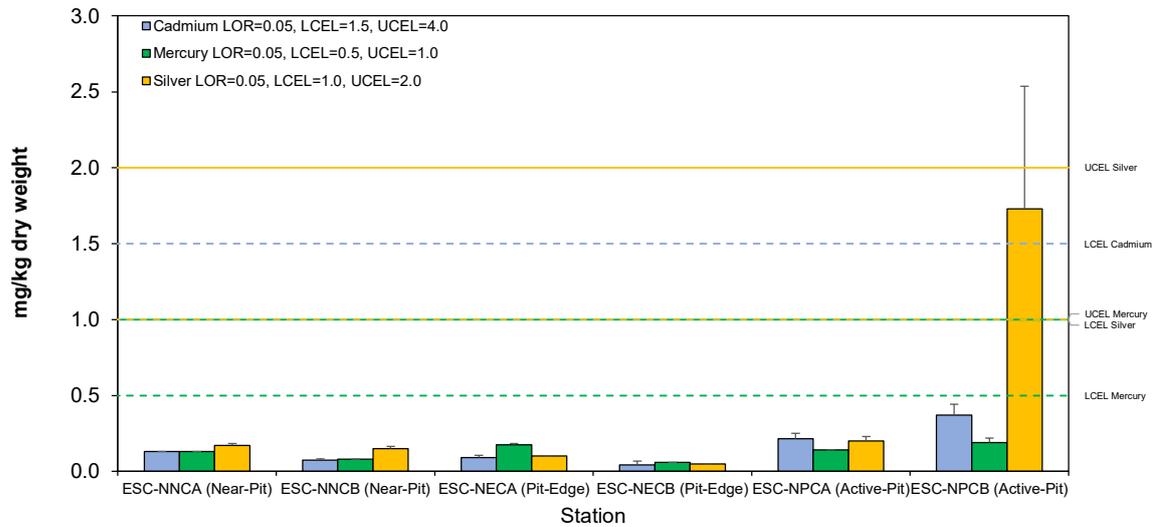Monthly EM&A Report for Contaminated Mud Pits to the East of Sha Chau – April 2023

Figure 13: Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in April 2023
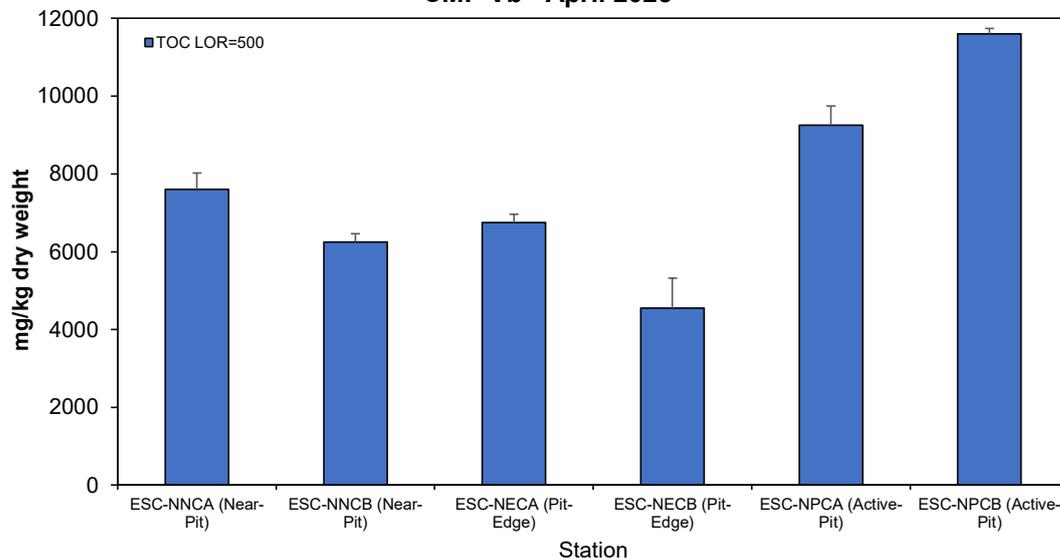

Figure 14: Concentration of Total Organic Carbon (TOC) (mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in April 2023

Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at ESC CMP Vb - April 2023
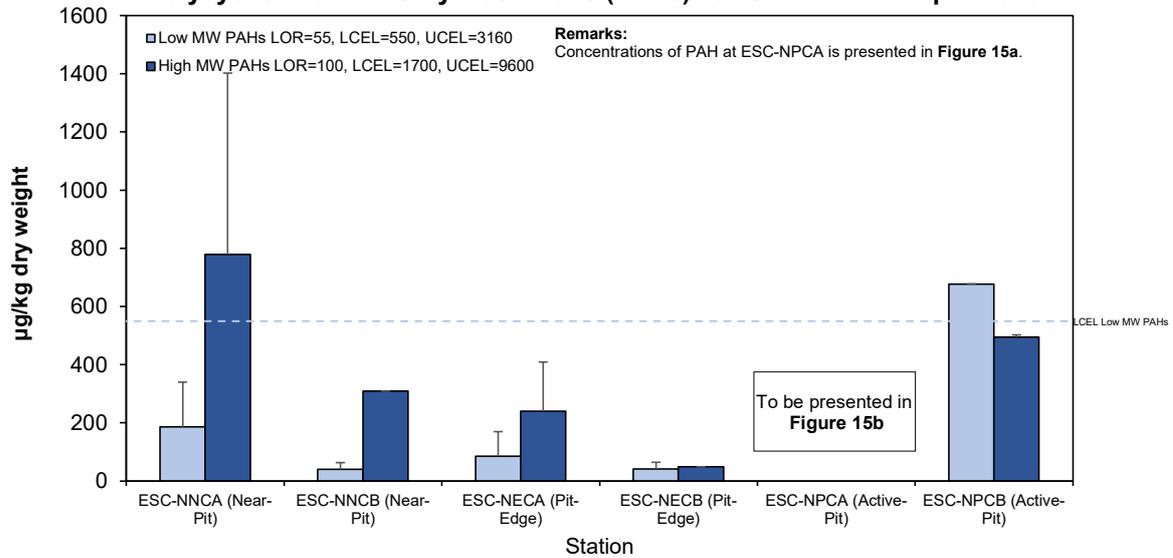

Figure 15a   Concentration of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons (µg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in April 2023

Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at ESC CMP Vb - April 2023
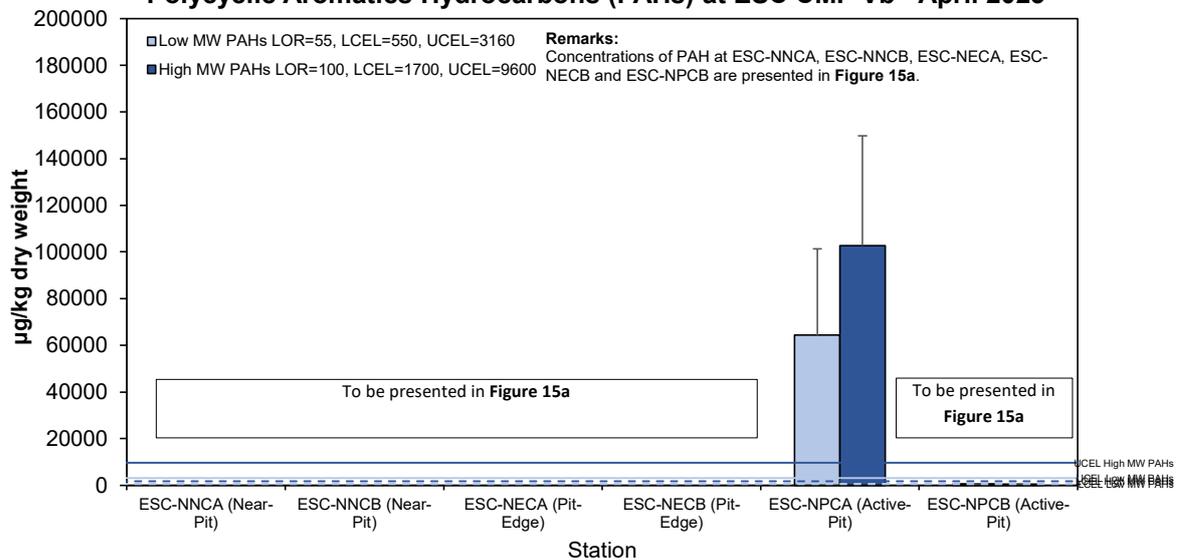

Figure 15b   Concentration of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons (µg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in April 2023