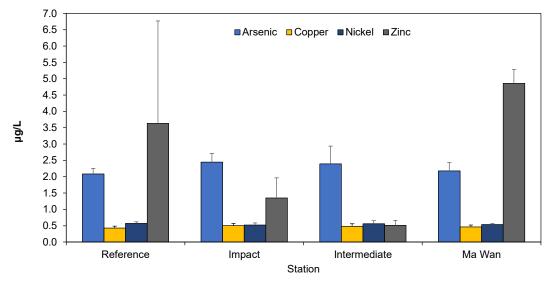
Mott MacDonald | Agreement No. CE59/2020(EP) Environmental Monitoring and Audit for Disposal Facility to the East of Sha Chau (2021-2026) – Investigation Monthly EM&A Report for Contaminated Mud Pits to the East of Sha Chau – November 2024

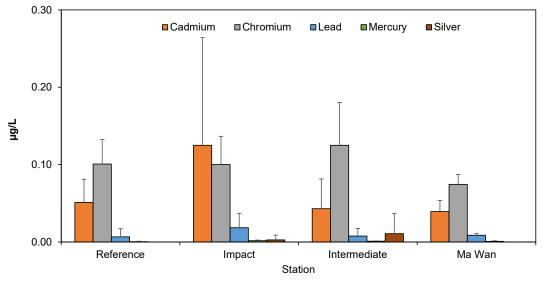
Appendix C. Graphical Presentations



Routine Water Quality Monitoring for ESC CMP V October 2024

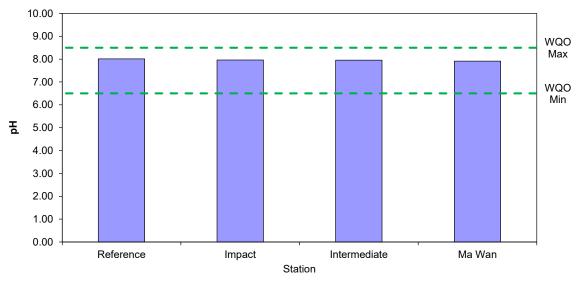
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Figure 1: Concentration of Arsenic, Copper, Nickel, and Zinc (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in October 2024



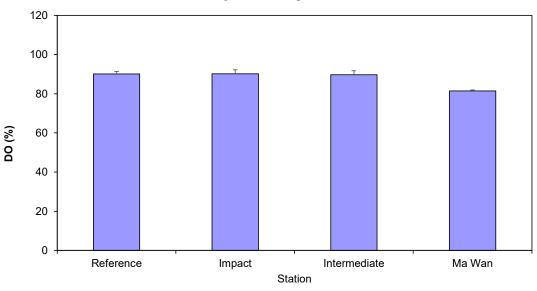
Routine Water Quality Monitoring for ESC CMP V October 2024

Concentration of Cadmium, Chromium, Lead, Mercury and Silver, (µg/L; mean + SD) in Figure 2: water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in October 2024



Routine Water Quality Monitoring for ESC CMP V - November 2024

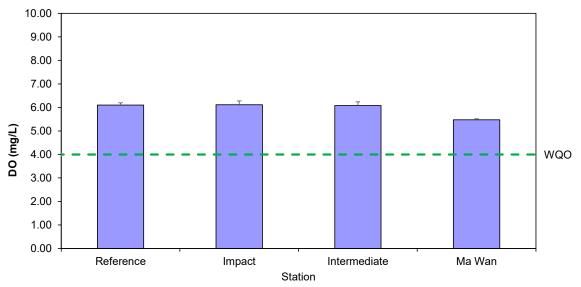
Figure 3: Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in November 2024



Routine Water Quality Monitoring for ESC CMP V - November 2024

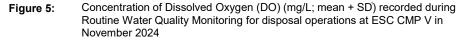
Figure 4: Level of Dissolved Oxygen (DO) (% saturation; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in November 2024

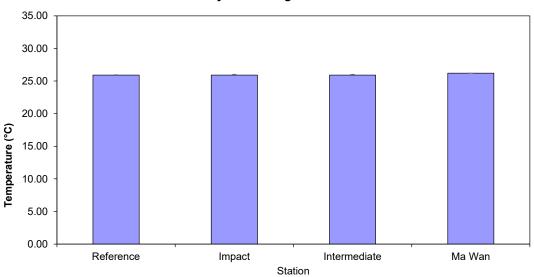
¹ The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.



Routine Water Quality Monitoring for ESC CMP V - November 2024

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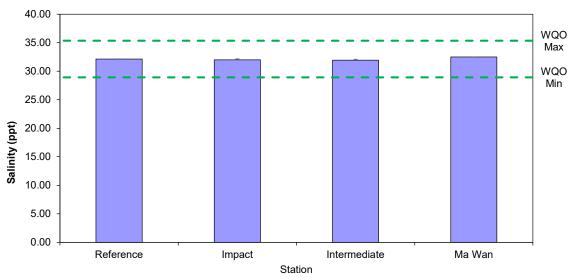




Routine Water Quality Monitoring for ESC CMP V - November 2024

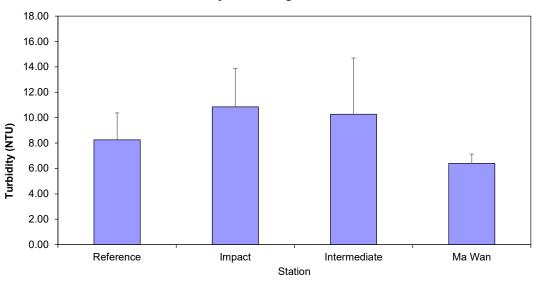
Level of Temperature (°C; mean + SD) recorded during Routine Water Quality Figure 6: Monitoring for disposal operations at ESC CMP V in November 2024

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



Routine Water Quality Monitoring for ESC CMP V - November 2024

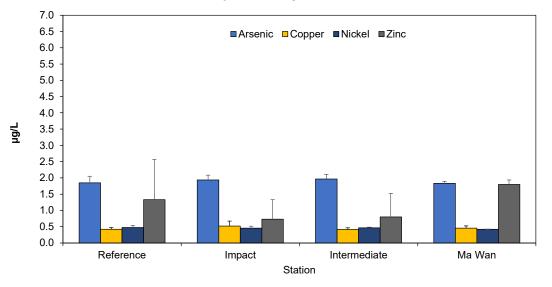
 Figure 7:
 Level of Salinity (ppt; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in November 2024



Routine Water Quality Monitoring for ESC CMP V - November 2024

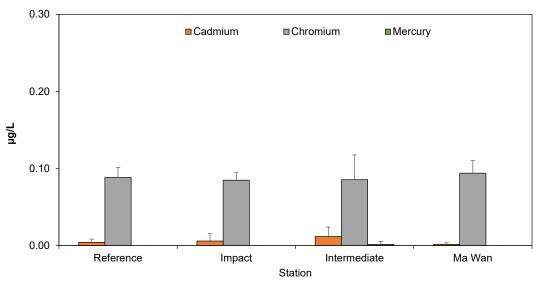
 Figure 8:
 Level of Turbidity (NTU; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in November 2024

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



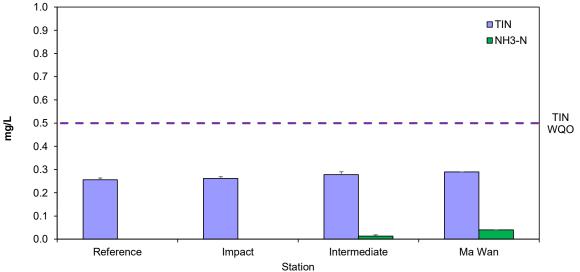
Routine Water Quality Monitoring for ESC CMP V November 2024

Figure 9: 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 November 2024



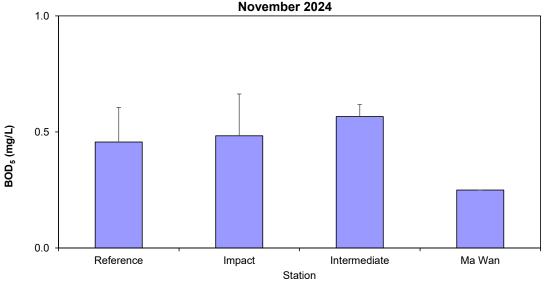
Routine Water Quality Monitoring for ESC CMP V November 2024

Figure 10: Concentration of Cadmium, Chromium and Mercury (μg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in November 2024



Routine Water Quality Monitoring for Nutrients - November 2024

Figure 11: 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 November 2024



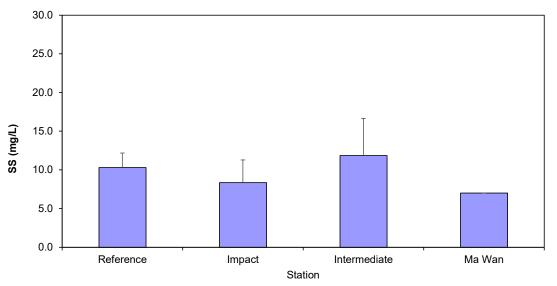
Routine Water Quality Monitoring for Biochemical Oxygen Demand (BOD5) -November 2024

Level of Biochemical Oxygen Demand (BOD5)² (mg/L; mean + SD) in water samples Figure 12: collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in November 2024

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¹ Concentrations of Ammonia Nitrogen (NH3-N) at Reference station and Impact Station are below limit of reporting (LOR).

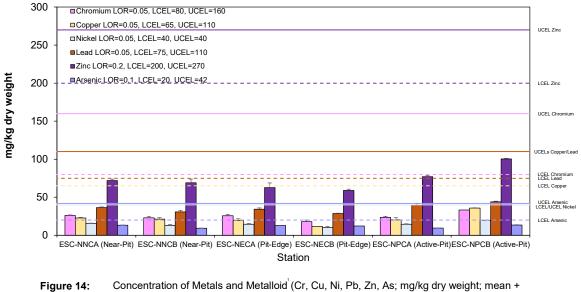
² Levels of Biochemical Oxygen Demand (BOD5) at Ma Wan station are below limit of reporting (LOR).



Routine Water Quality Monitoring for Suspended Solids - November 2024

Figure 13 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 November 2024

Pit Specific Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMP Vb - November 2024



e 14: 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 November 2024

The LCEL and UCEL of Cadmium, Mercury and Arsenic have been updated according to the standard promulgated starting from 19 January 2024. https://www.cedd.gov.hk/filemanager/eng/content_80/PAH 2022 Chapter 4 Rev 06_240321_Clean.pdf

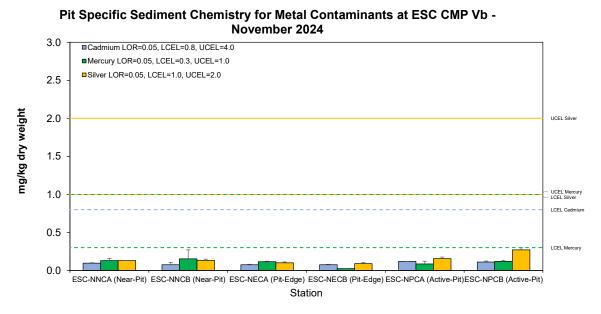
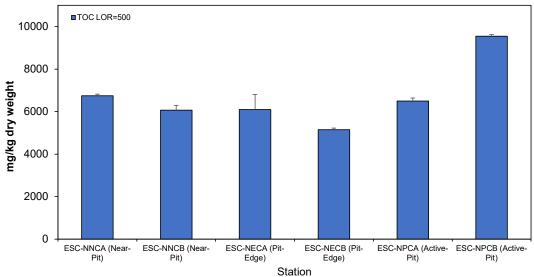
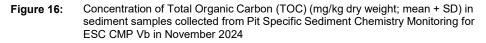


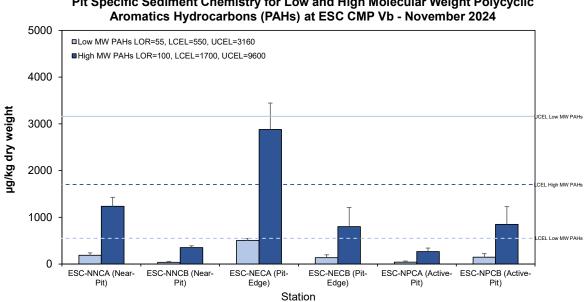
Figure 15: Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in November 2024



Pit Specific Sediment Chemistry for Total Organic Carbon (TOC) at ESC CMP Vb - November 2024



MOTT MACDONALD



Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic

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