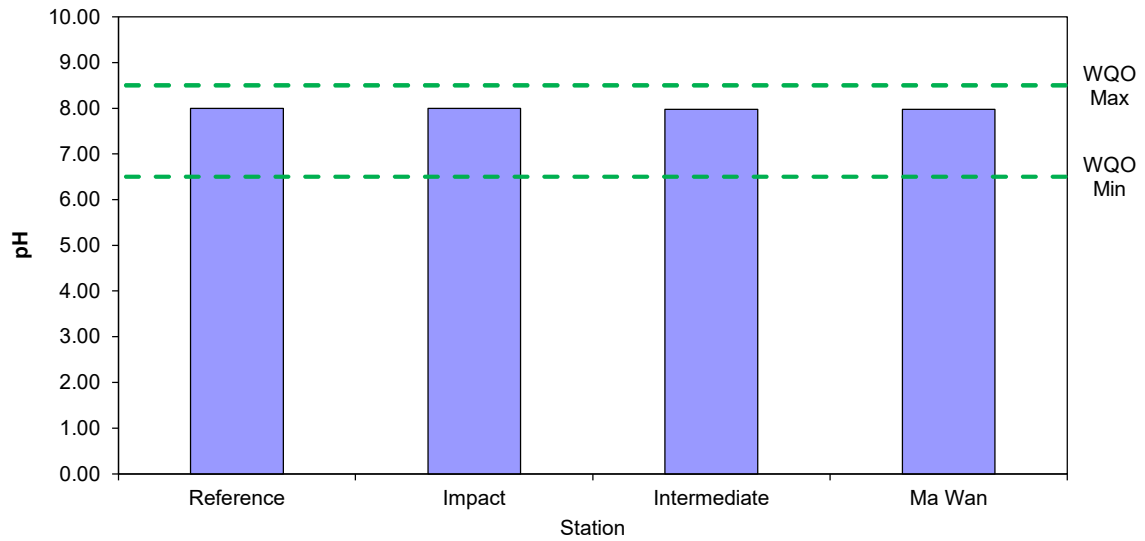


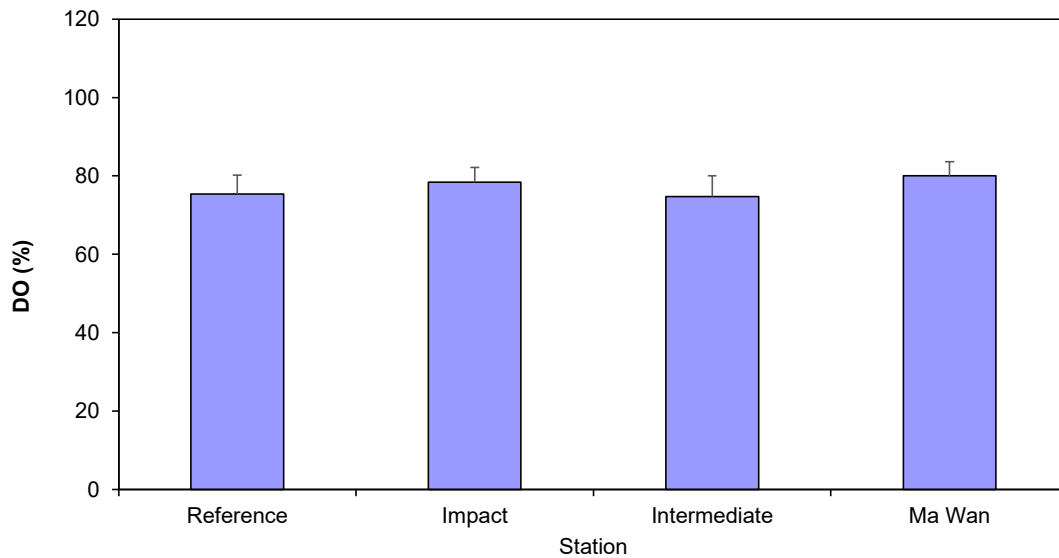
# Appendix C. Graphical Presentations

### Routine Water Quality Monitoring for ESC CMP V - September 2024



**Figure 1:** Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

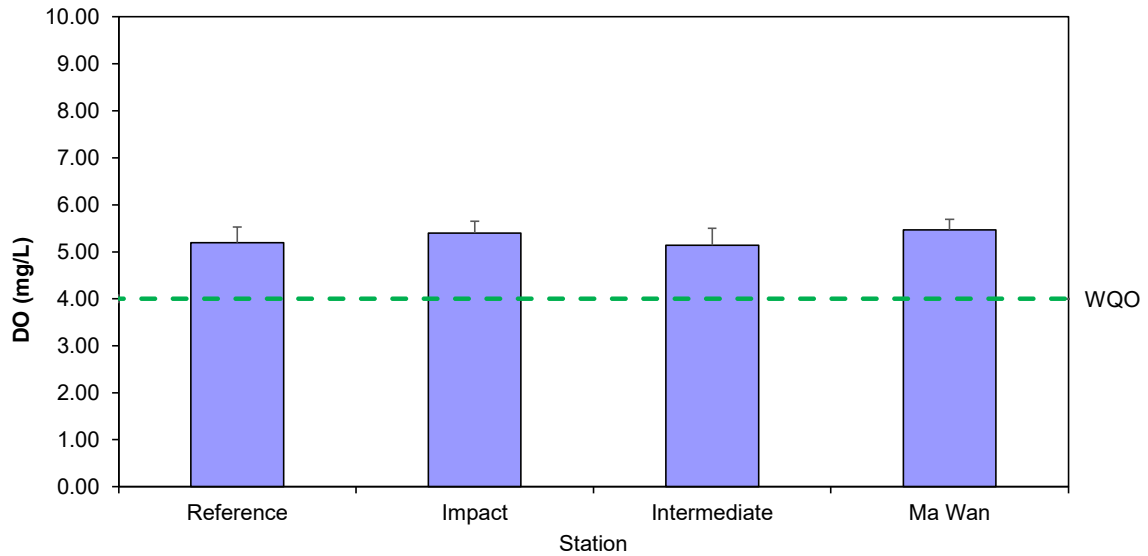
### Routine Water Quality Monitoring for ESC CMP V - September 2024



**Figure 2:** Level of Dissolved Oxygen (DO) (% saturation; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

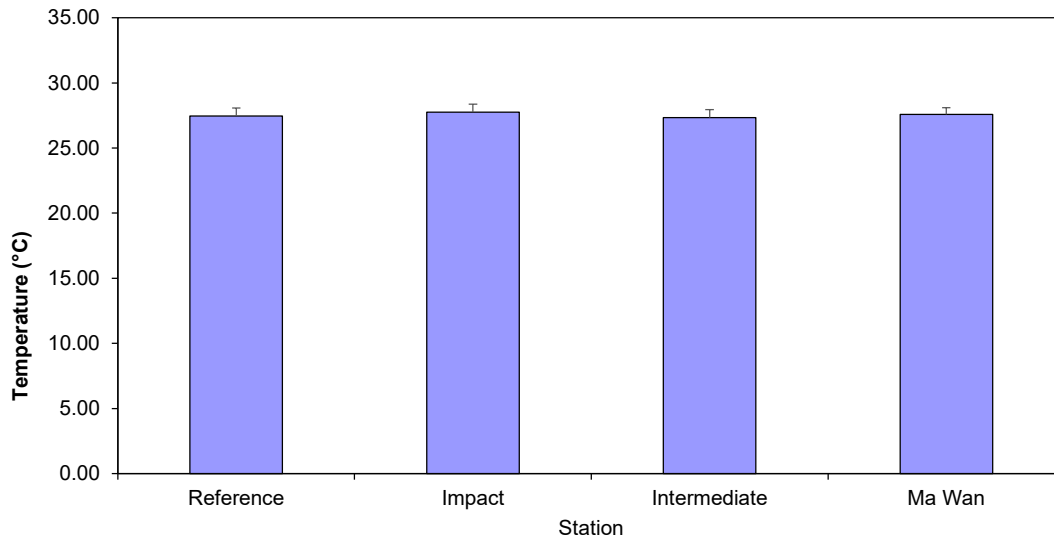
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

### Routine Water Quality Monitoring for ESC CMP V - September 2024



**Figure 3:** Concentration of Dissolved Oxygen (DO) (mg/L; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

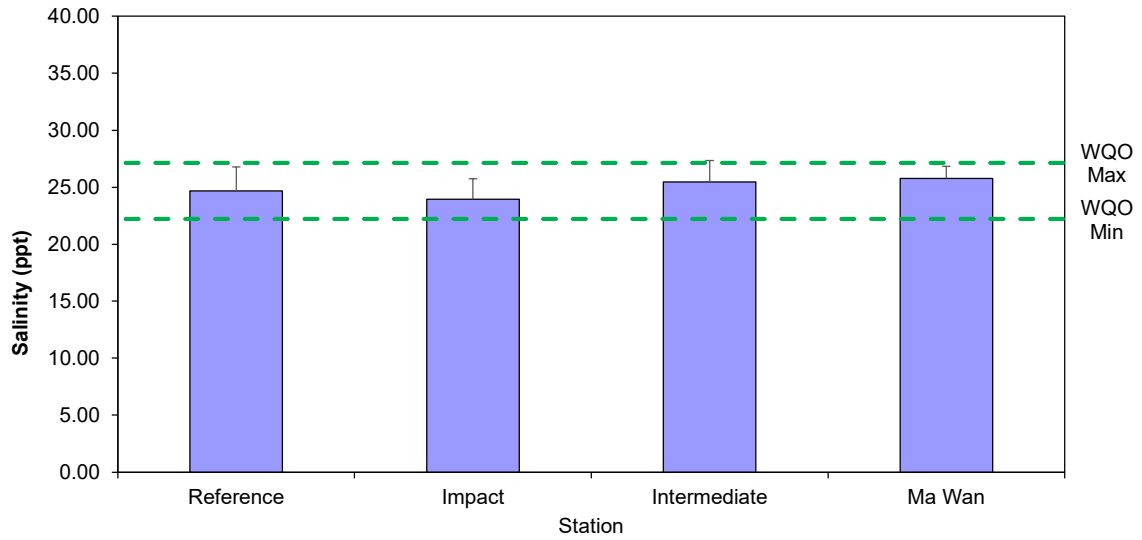
### Routine Water Quality Monitoring for ESC CMP V - September 2024



**Figure 4:** Level of Temperature (°C; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

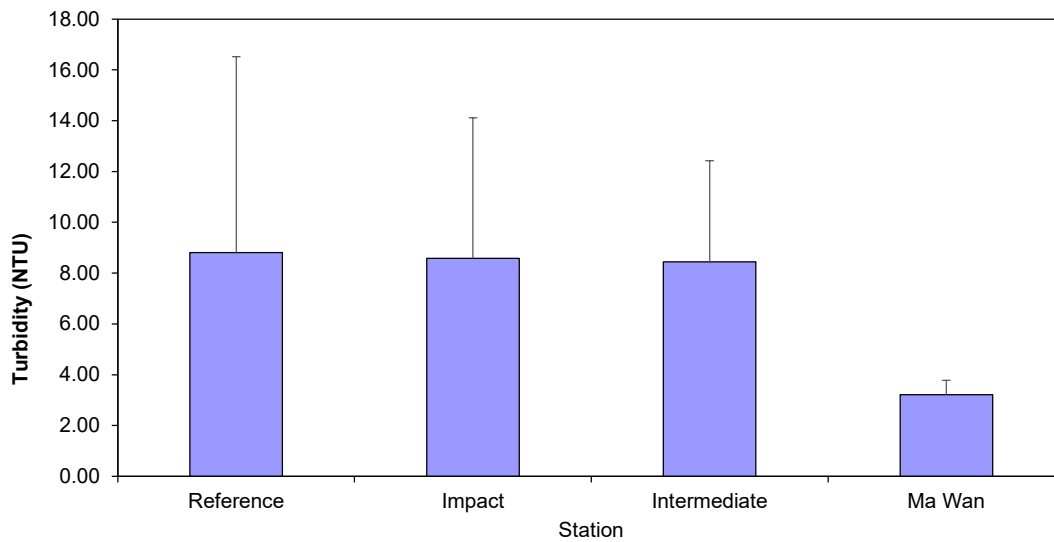
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

**Routine Water Quality Monitoring for ESC CMP V - September 2024**



**Figure 5:** Level of Salinity (ppt; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

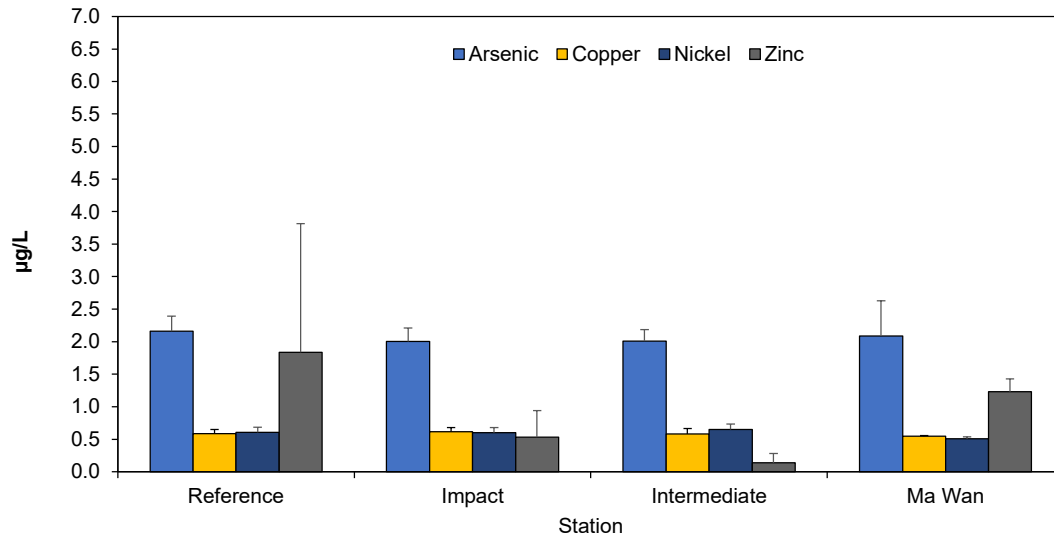
**Routine Water Quality Monitoring for ESC CMP V - September 2024**



**Figure 6:** Level of Turbidity (NTU; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

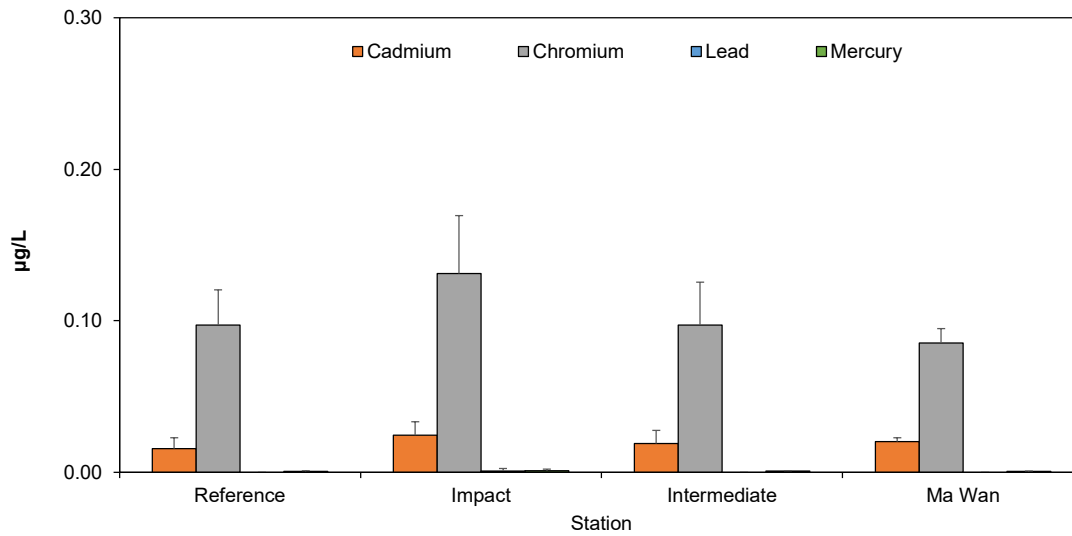
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

### Routine Water Quality Monitoring for ESC CMP V September 2024



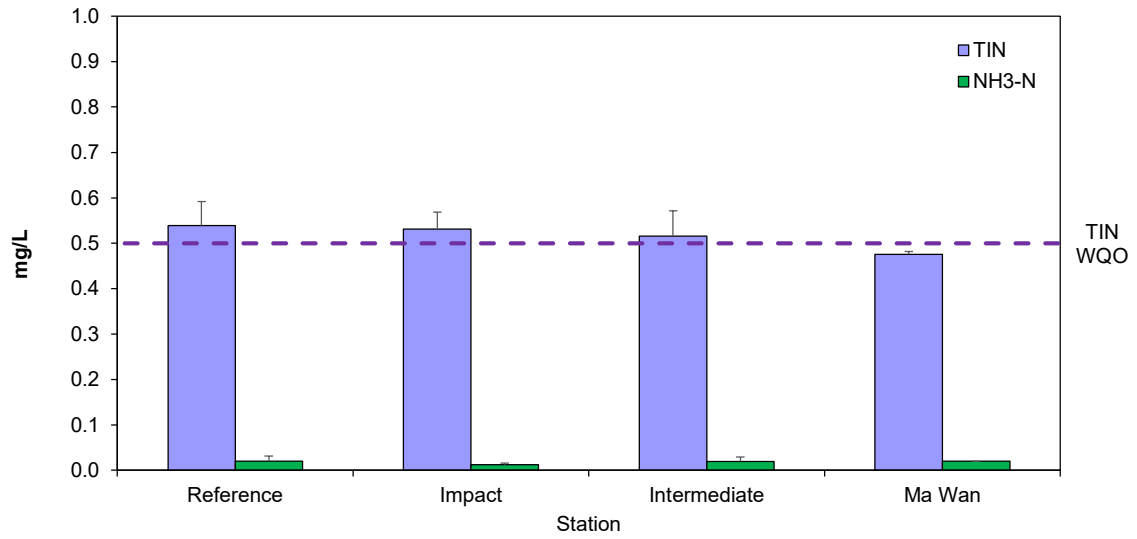
**Figure 7:** Concentration of Arsenic, Copper, Nickel, and Zinc (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

### Routine Water Quality Monitoring for ESC CMP V September 2024



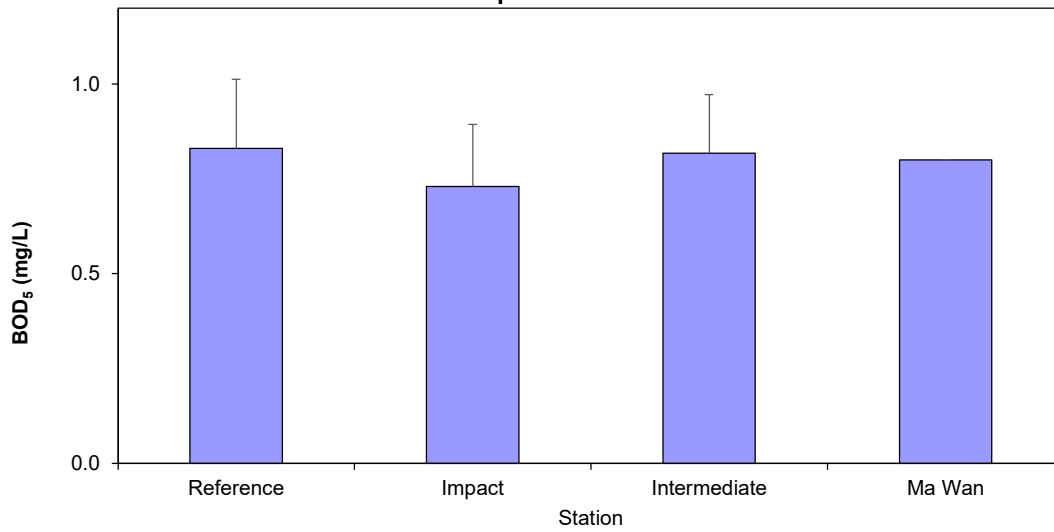
**Figure 8:** Concentration of Cadmium, Chromium, Lead, Mercury (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

### Routine Water Quality Monitoring for Nutrients - September 2024



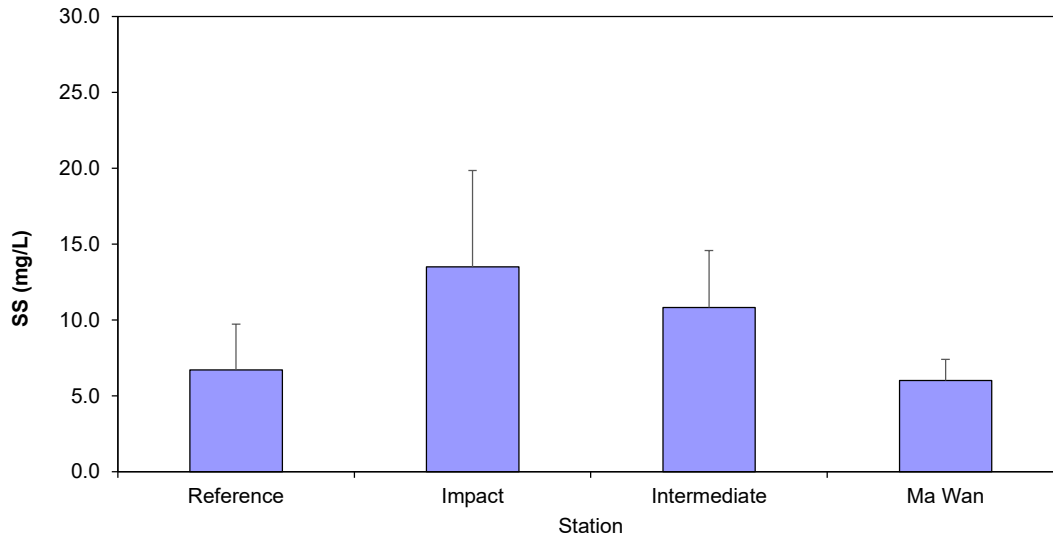
**Figure 9:** Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen (NH3-N) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

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



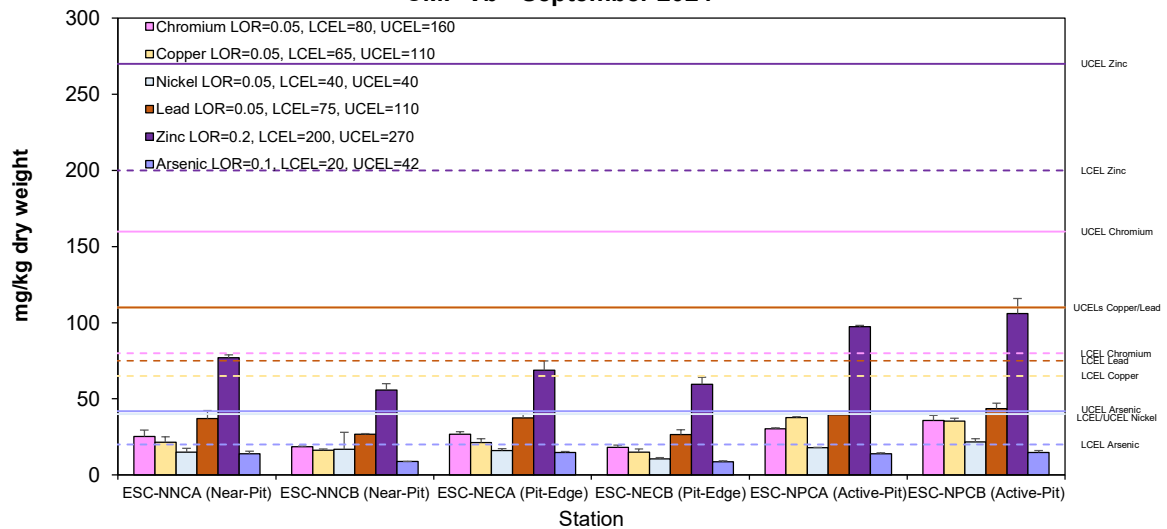
**Figure 10:** Level of Biochemical Oxygen Demand (BOD5) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2024

### Routine Water Quality Monitoring for Suspended Solids - September 2024



**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 September 2024

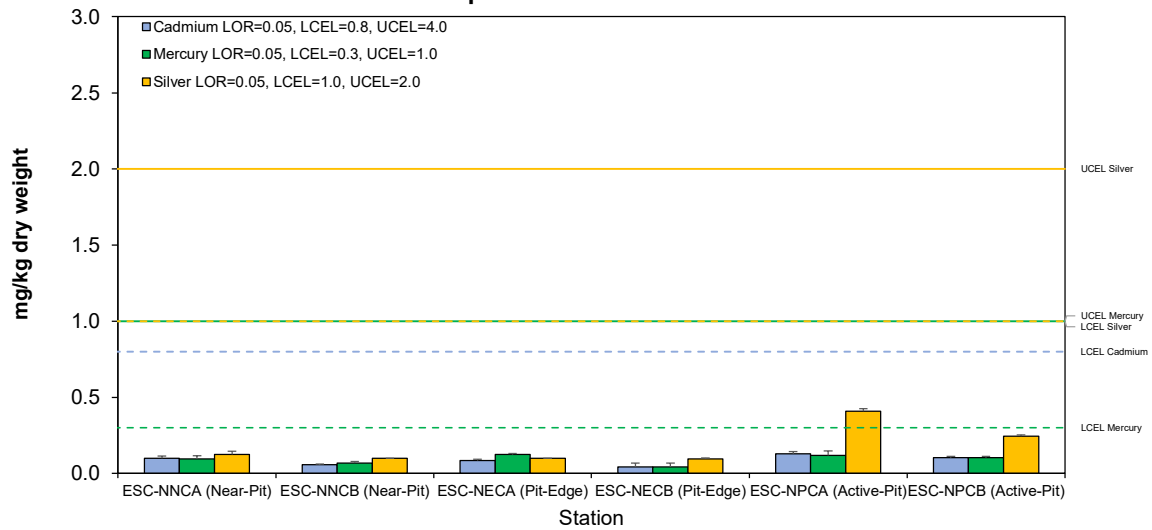
### Pit Specific Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMP Vb - September 2024



**Figure 12:** Concentration of Metals and Metalloid<sup>2</sup>(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 September 2024

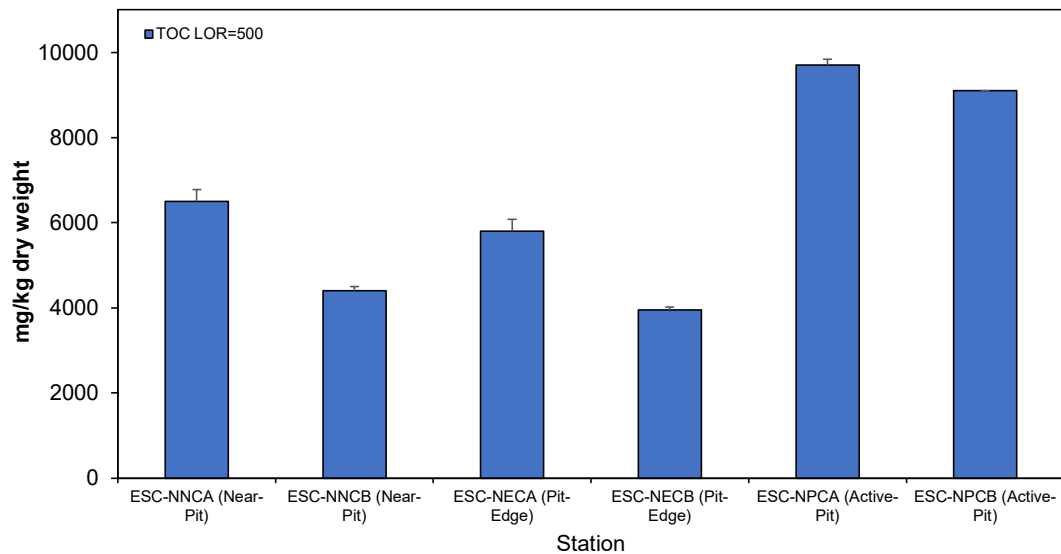
<sup>2</sup> The LCEL and UCEL of Cadmium, Mercury and Arsenic have been updated according to the standard promulgated starting from 19 January 2024. [https://www.cedd.gov.hk/filemanager/eng/content\\_80/PAH 2022 Chapter 4 Rev 06\\_240321\\_Clean.pdf](https://www.cedd.gov.hk/filemanager/eng/content_80/PAH 2022 Chapter 4 Rev 06_240321_Clean.pdf)

### Pit Specific Sediment Chemistry for Metal Contaminants at ESC CMP Vb - September 2024



**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 September 2024

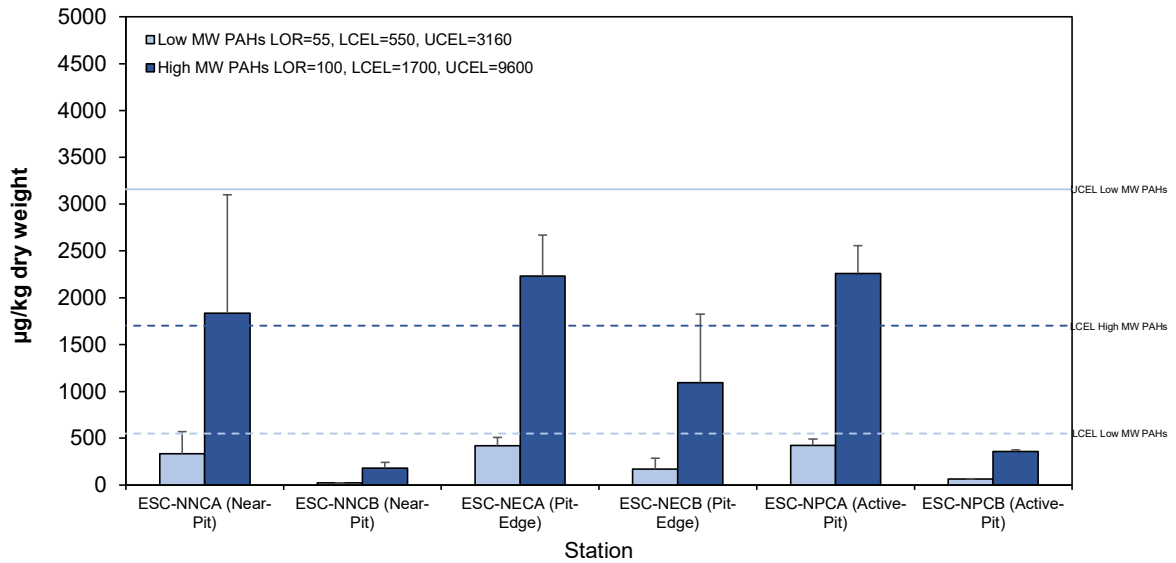
### Pit Specific Sediment Chemistry for Total Organic Carbon (TOC) at ESC CMP Vb - September 2024



**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 September 2024

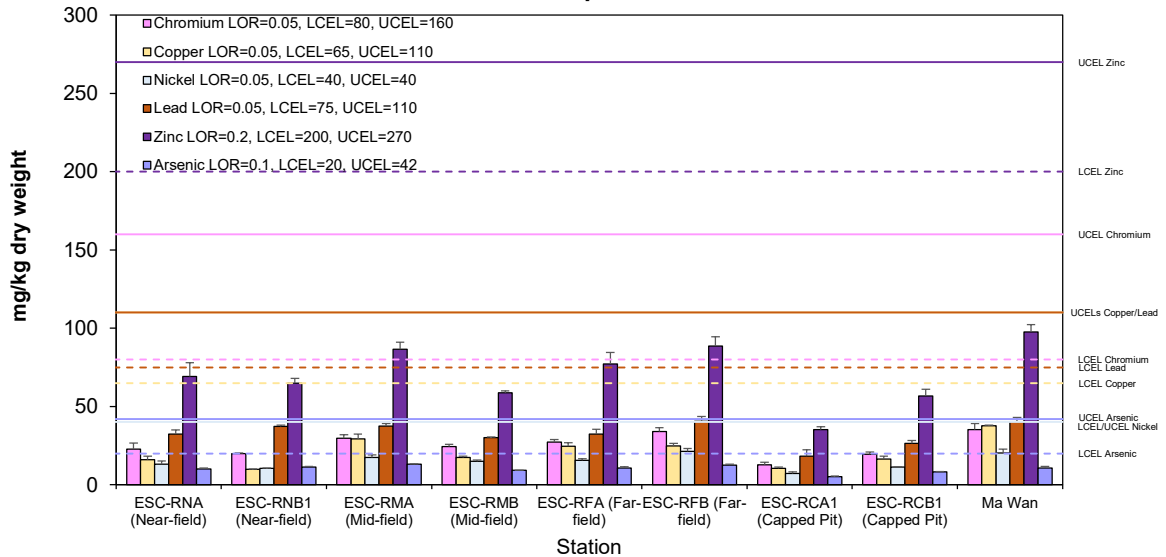


**Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at ESC CMP Vb - September 2024**



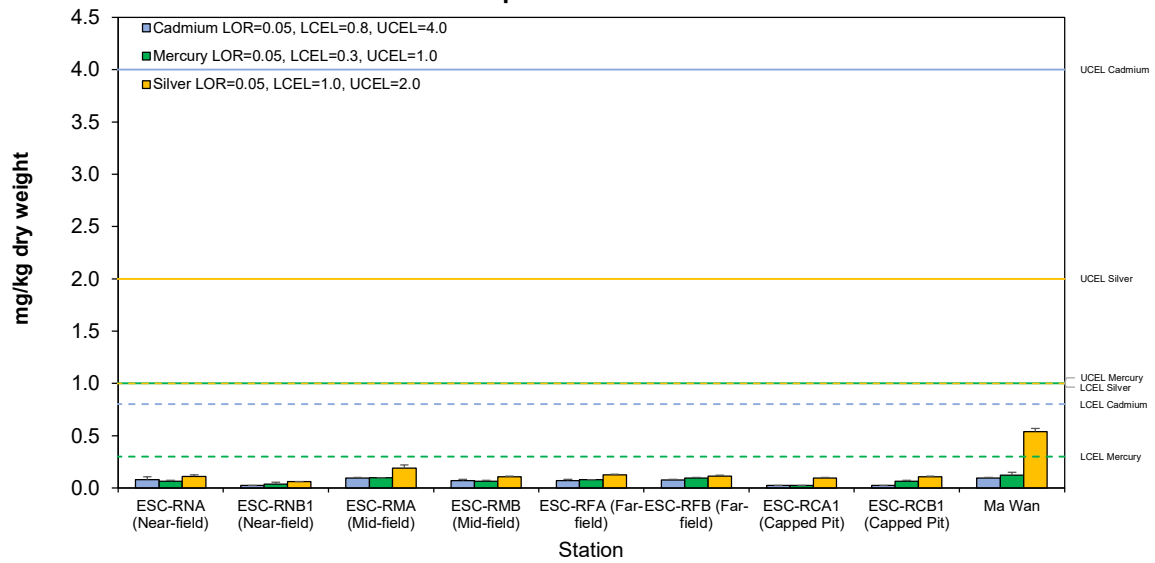
**Figure 15:** Concentration of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons (µg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in September 2024

**Sediment Chemistry after a Major Storm for Metal and Metalloid Contaminants at ESC CMPs - September 2024**



**Figure 16** Concentration of Metals (Cr, Cu, Ni, Pb, Zn, As; mean + SD) in sediment samples collected from Sediment Chemistry after a Major Storm for ESC CMPs in September 2024

**Sediment Chemistry after a Major Storm for Metal Contaminants at ESC CMPs - September 2024**



**Figure 17:** Concentration of Metals (Cd, Hg, Ag; mean + SD) in sediment samples collected from Sediment Chemistry after a Major Storm for ESC CMPs in September 2024