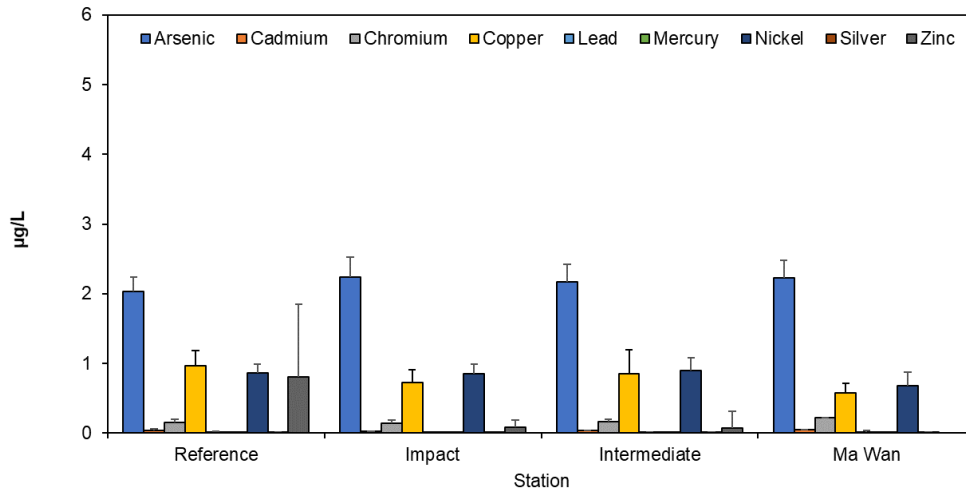


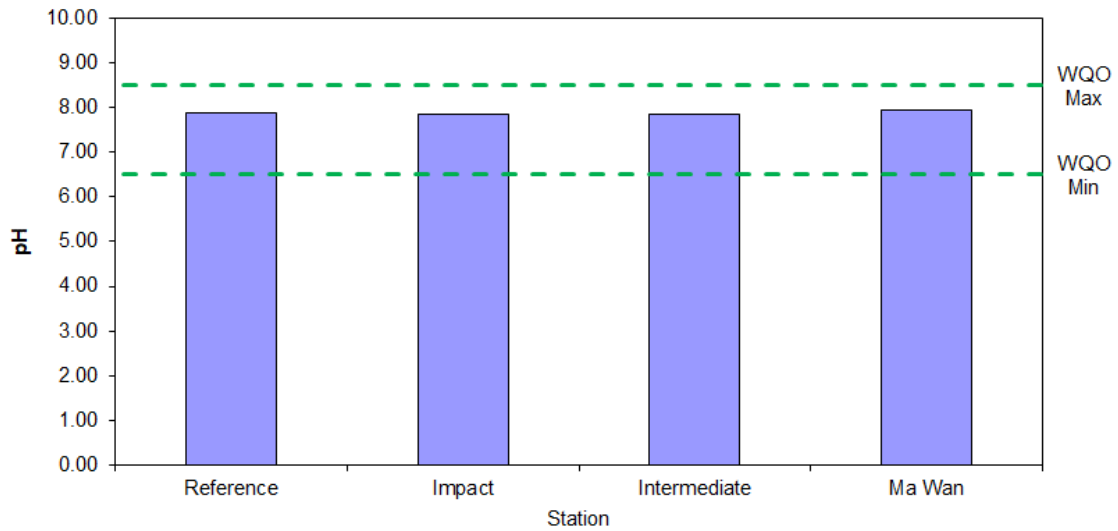
# Appendix C. Graphical Presentations

**Routine Water Quality Monitoring for ESC CMP V August 2022**



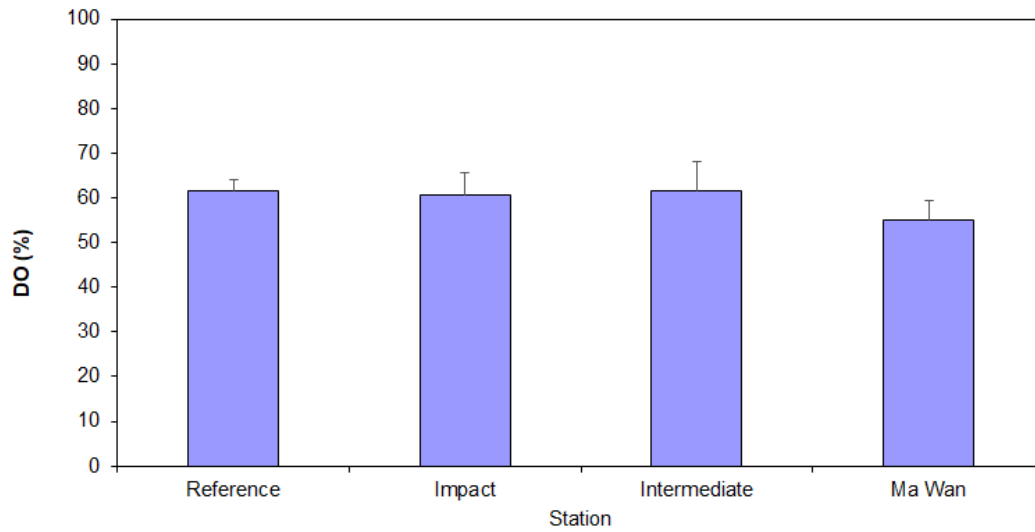
**Figure 1:** Concentration of Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Silver, and Zinc (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2022

**Routine Water Quality Monitoring for ESC CMP V - September 2022**



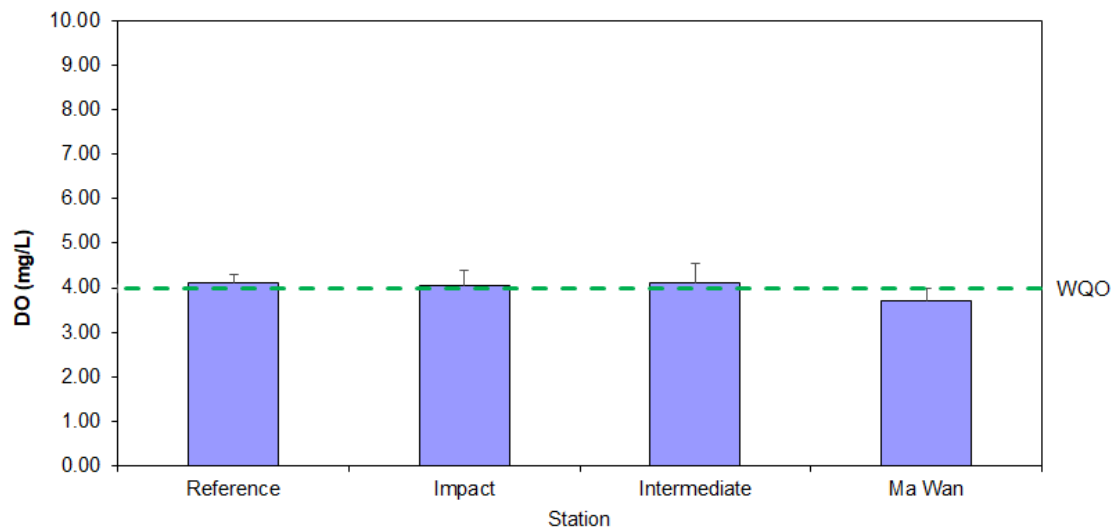
**Figure 2:** Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

**Routine Water Quality Monitoring for ESC CMP V - September 2022**



**Figure 3:** Level of Dissolved Oxygen (DO) (% saturation; mean + SD<sup>1</sup>) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

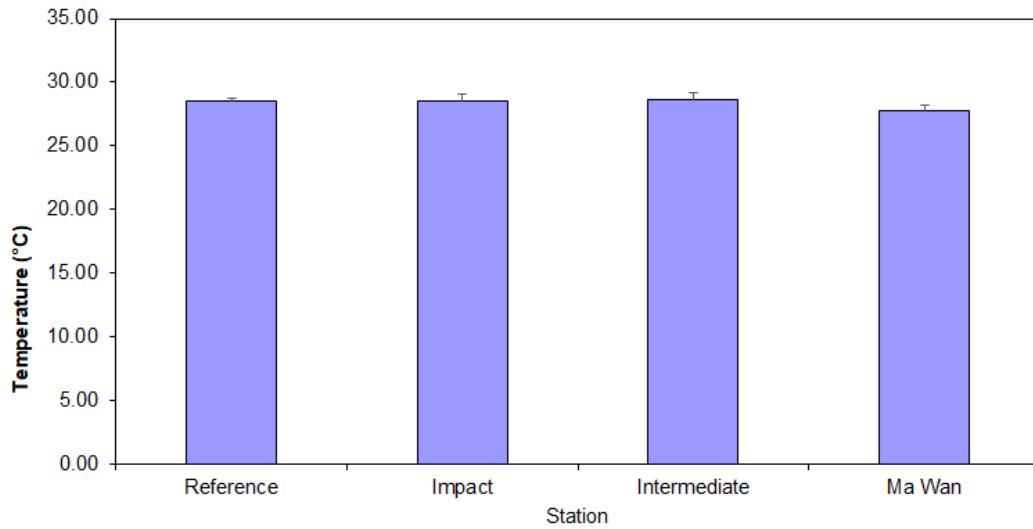
**Routine Water Quality Monitoring for ESC CMP V - September 2022**



**Figure 4:** Concentration of Dissolved Oxygen (DO) (mg/L; mean + SD<sup>1</sup>) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

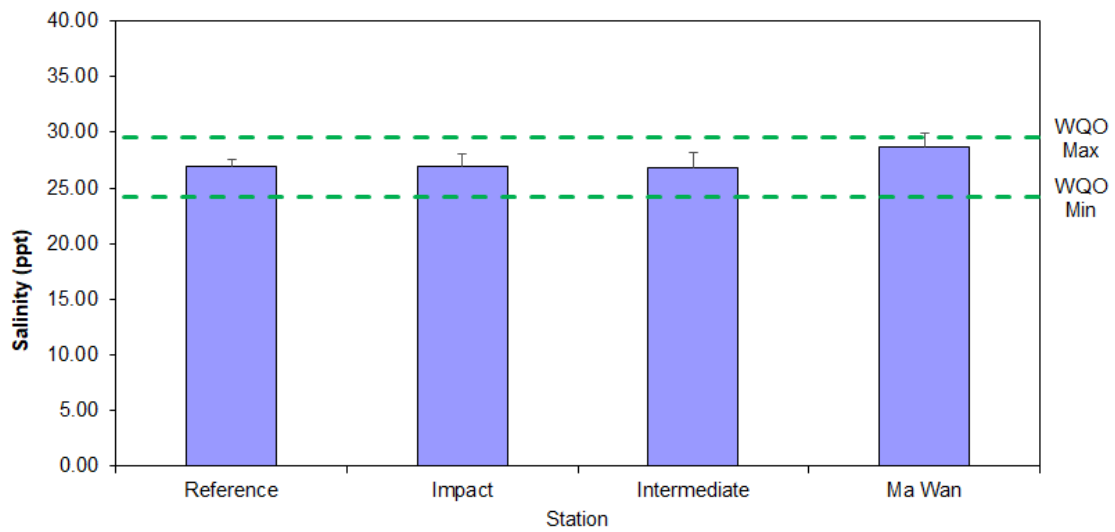
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

**Routine Water Quality Monitoring for ESC CMP V - September 2022**



**Figure 5:** Level of Temperature (°C; mean + SD)<sup>1</sup> recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

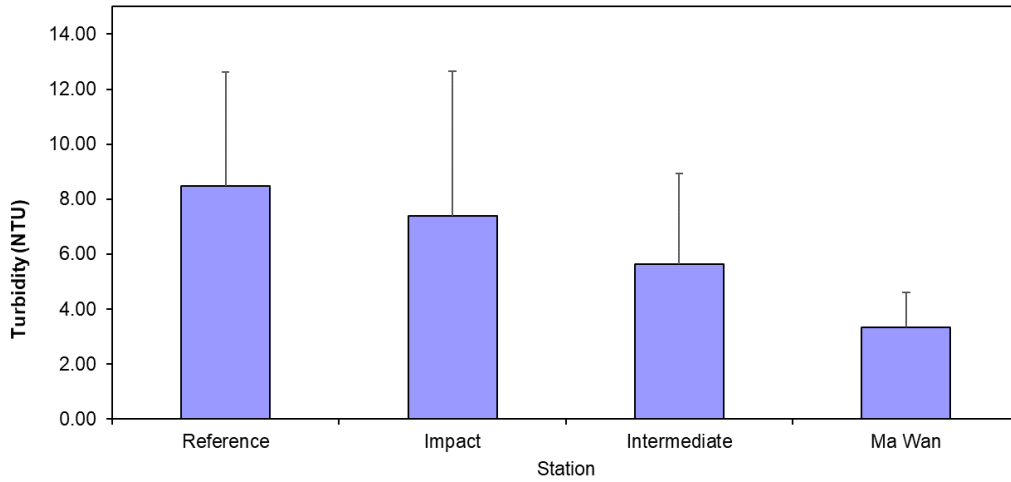
**Routine Water Quality Monitoring for ESC CMP V - September 2022**



**Figure 6:** Level of Salinity (ppt; mean + SD)<sup>1</sup> recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

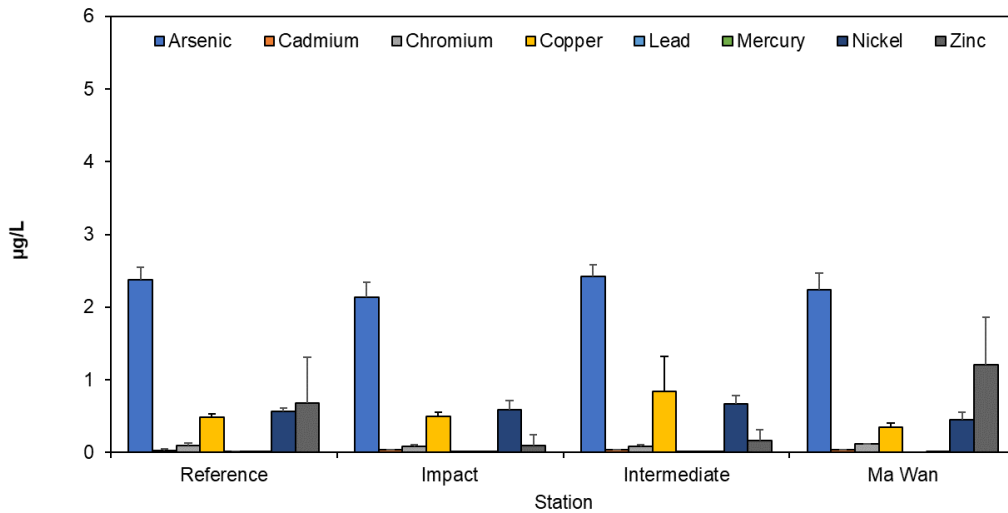
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

**Routine Water Quality Monitoring for ESC CMP V - September 2022**



**Figure 7:** Level of Turbidity (NTU; mean + SD)<sup>1</sup> recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

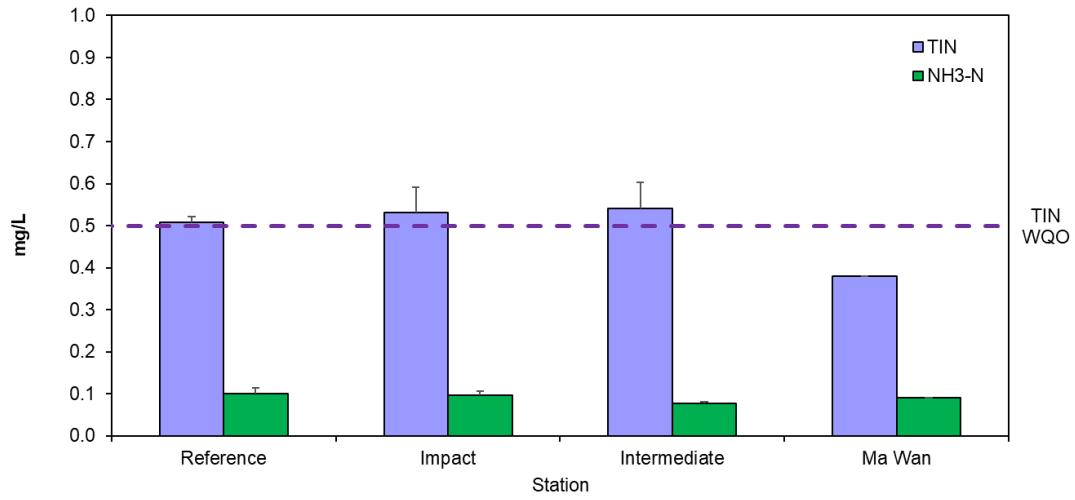
**Routine Water Quality Monitoring for ESC CMP V September 2022**



**Figure 8:** Concentration of Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, 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 2022

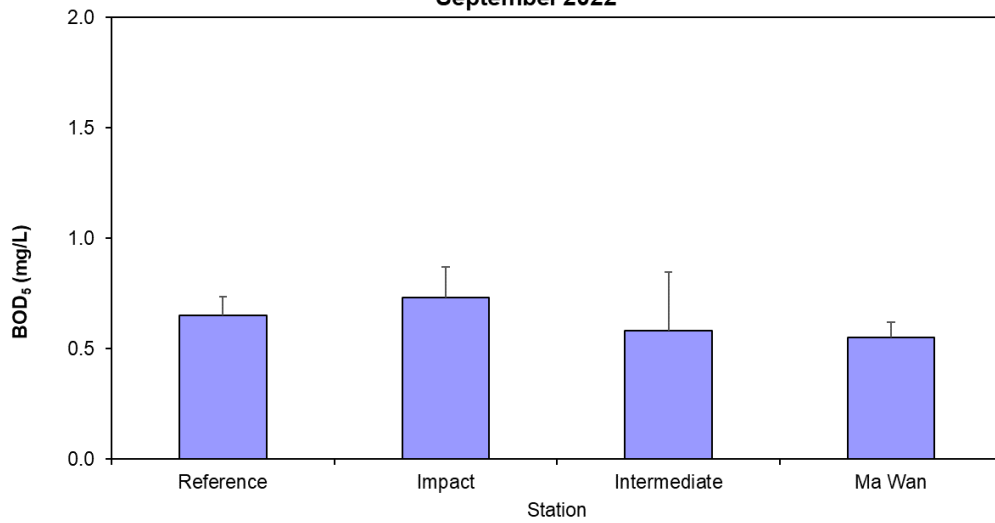
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

**Routine Water Quality Monitoring for Nutrients - September 2022**



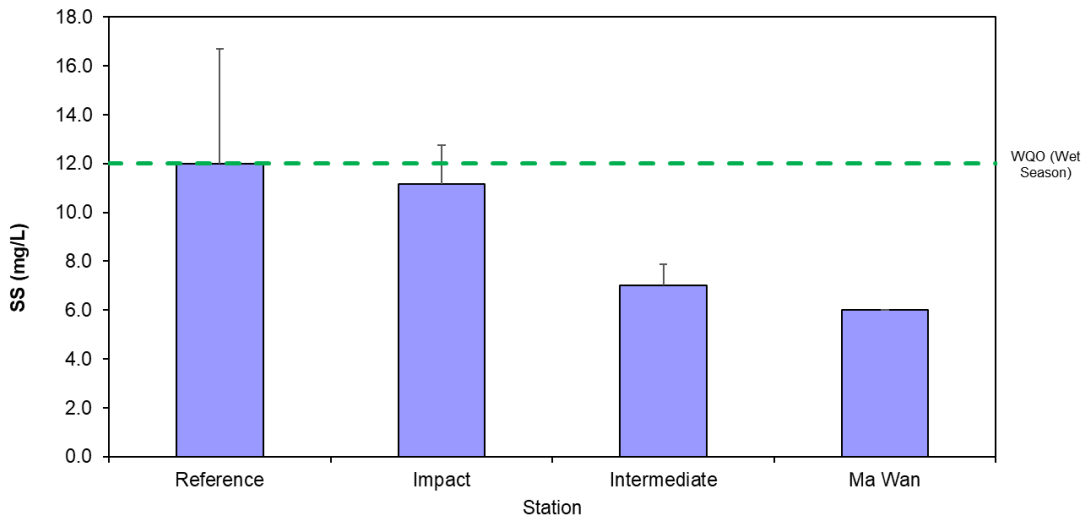
**Figure 9:** Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen (NH3-N) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

**Routine Water Quality Monitoring for Biochemical Oxygen Demand (BOD5) - September 2022**



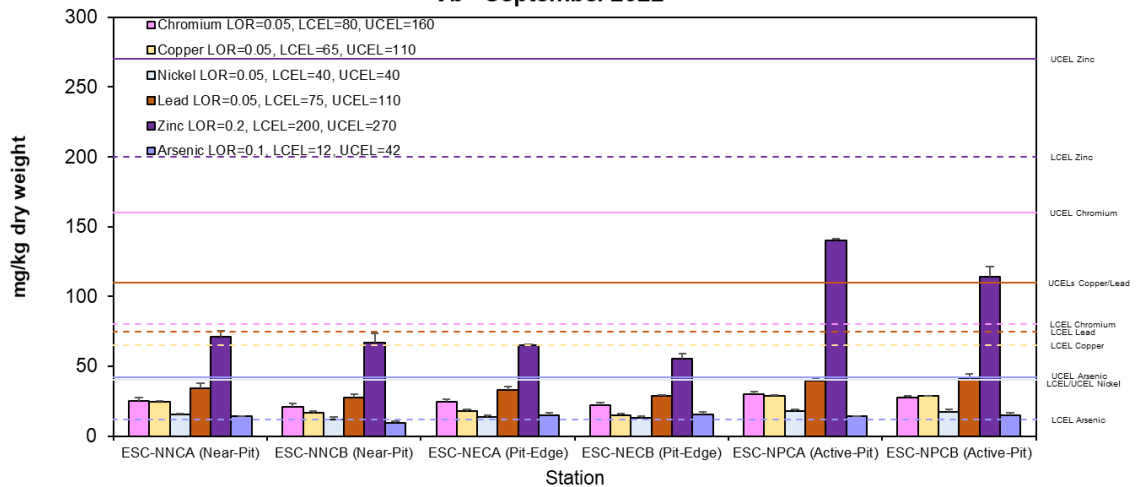
**Figure 10:** Level of Biochemical Oxygen Demand (BOD5) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

### Routine Water Quality Monitoring for Suspended Solids - September 2022



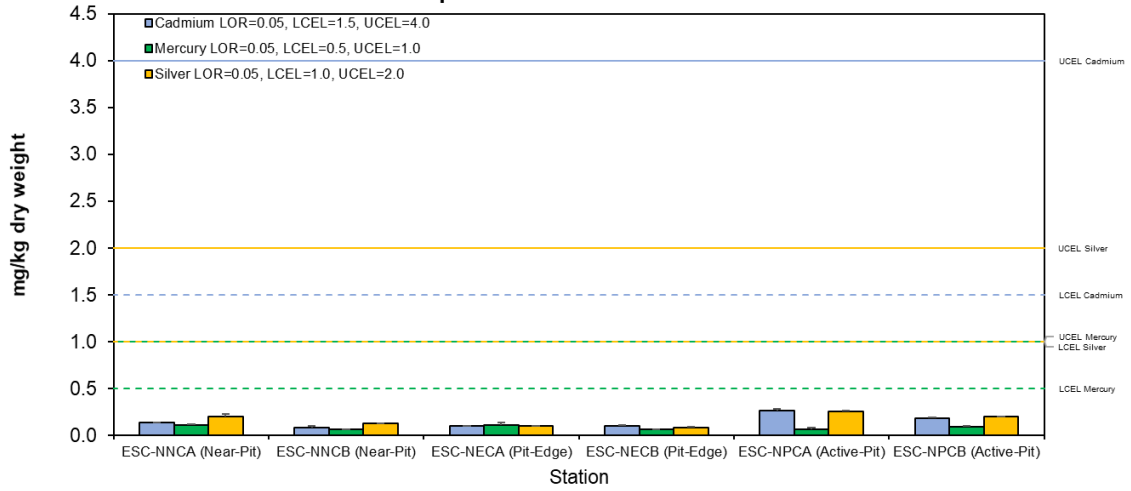
**Figure 11:** Concentration of Suspended Solids (SS) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in September 2022

### Pit Specific Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMP Vb - September 2022



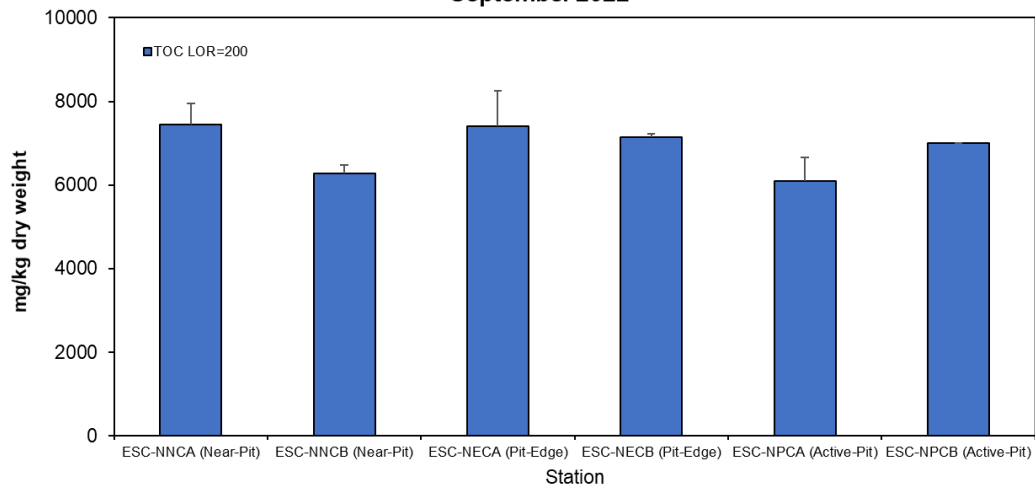
**Figure 12:** Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in September 2022

### Pit Specific Sediment Chemistry for Metal Contaminants at ESC CMP Vb - September 2022



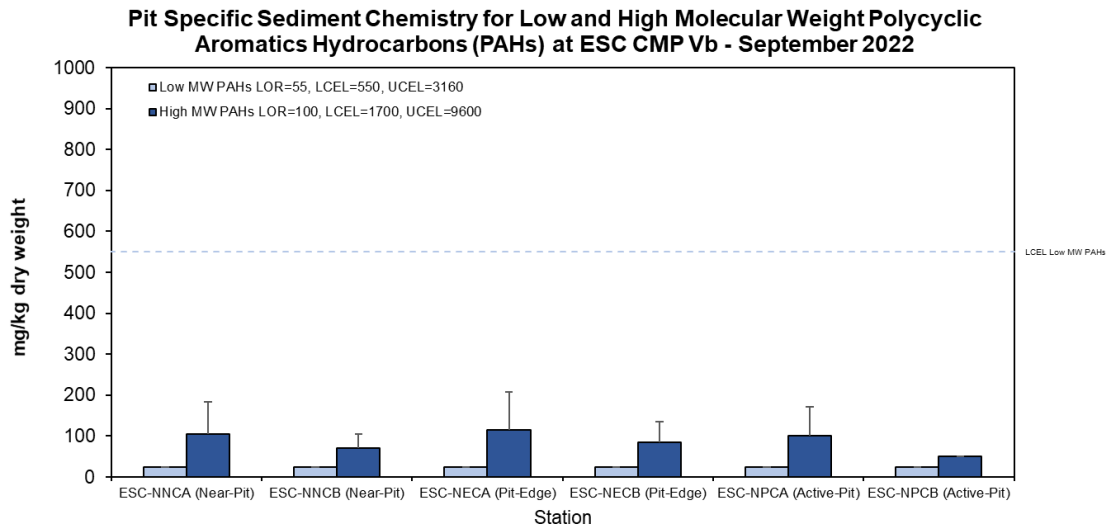
**Figure 13:** Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in September 2022

### Pit Specific Sediment Chemistry for Total Organic Carbon (TOC) at ESC CMP Vb - September 2022



**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 2022





**Figure 15:** Concentration of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons (mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in September 2022