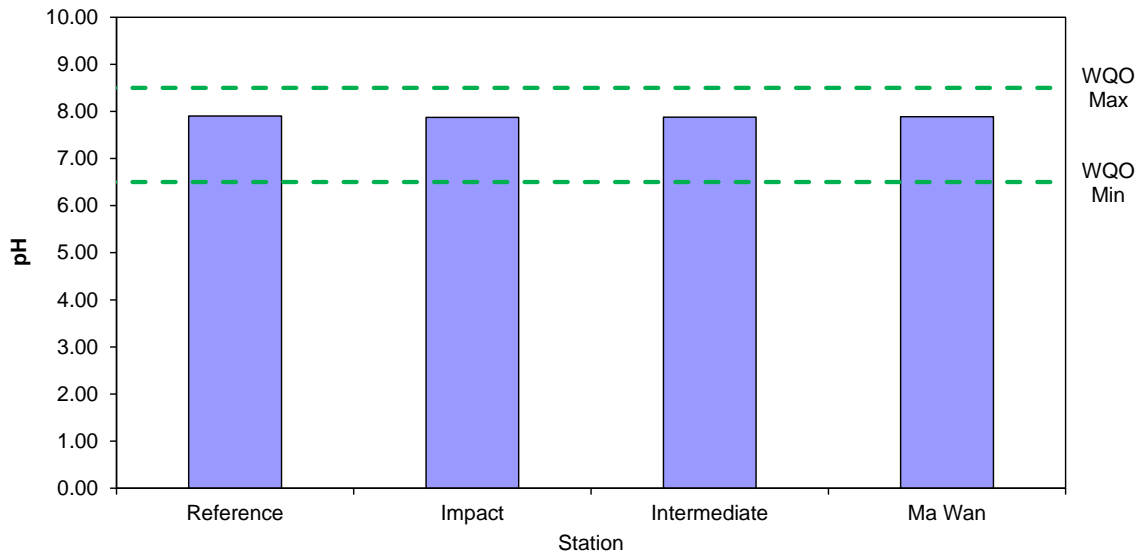


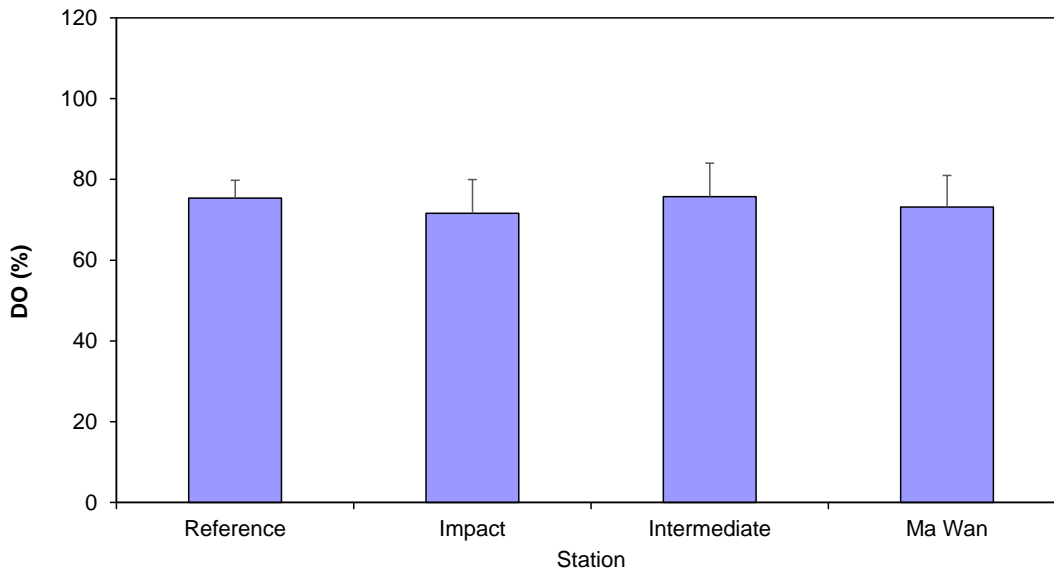
# Appendix C. Graphical Presentations

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



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

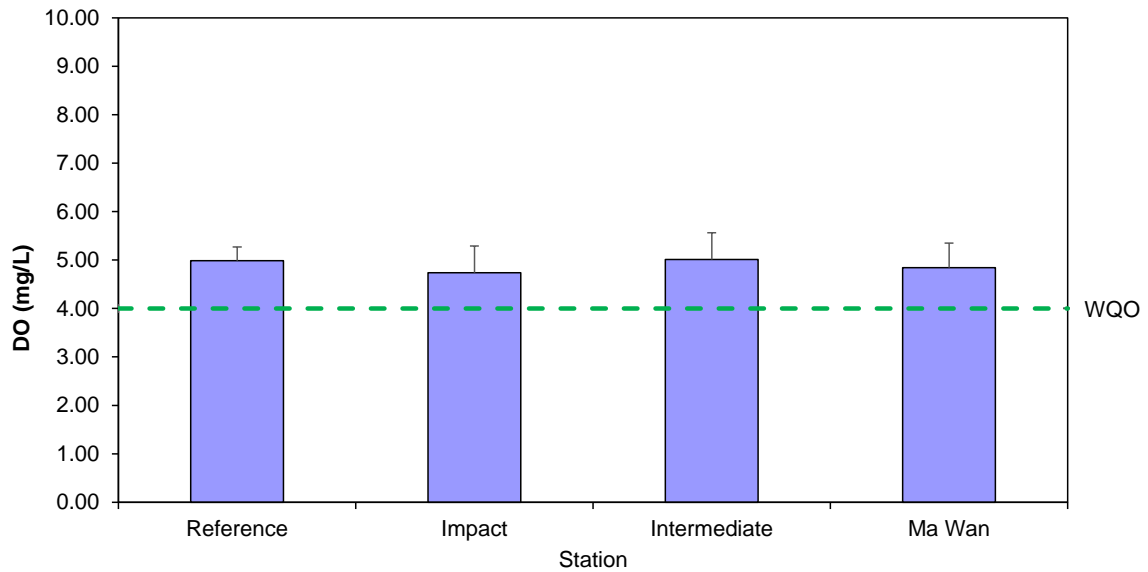
**Routine Water Quality Monitoring for ESC CMP V - August 2023**



**Figure 2:** 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 August 2023

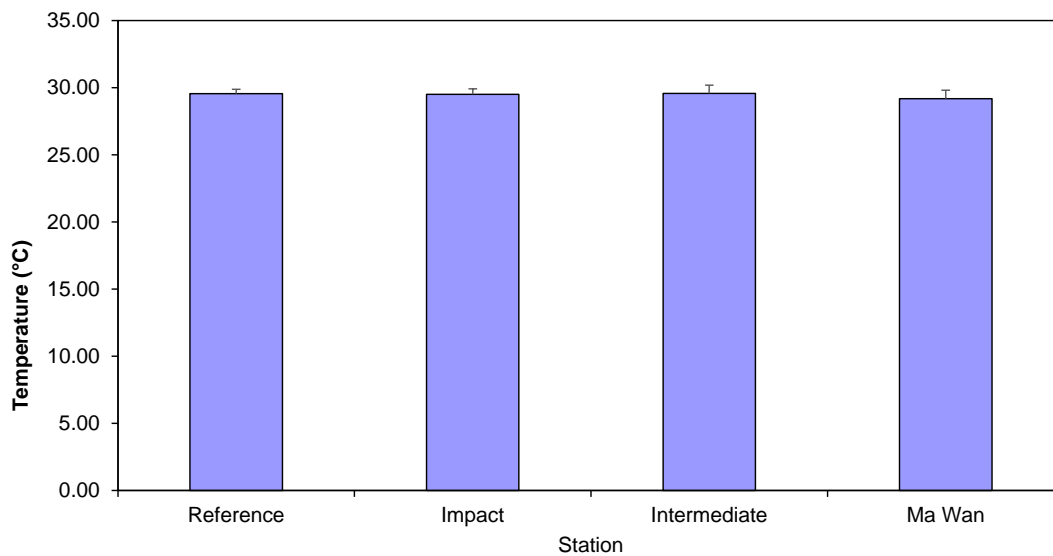
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

### Routine Water Quality Monitoring for ESC CMP V - August 2023



**Figure 3:** 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 August 2023

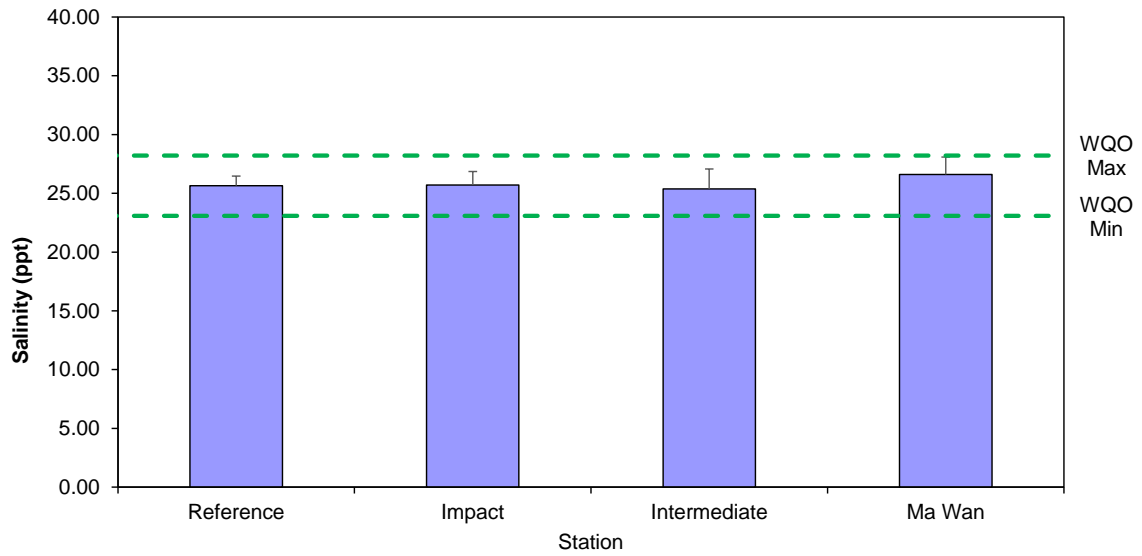
### Routine Water Quality Monitoring for ESC CMP V - August 2023



**Figure 4:** Level of Temperature (°C; mean + SD<sup>1</sup>) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2023

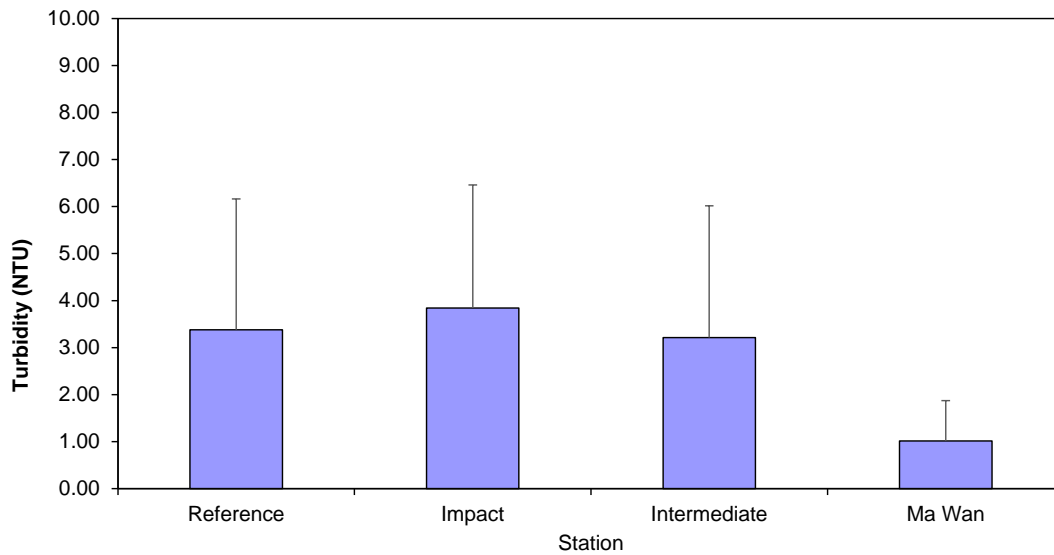
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

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



**Figure 5:** Level of Salinity (ppt; mean + SD<sup>1</sup>) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2023

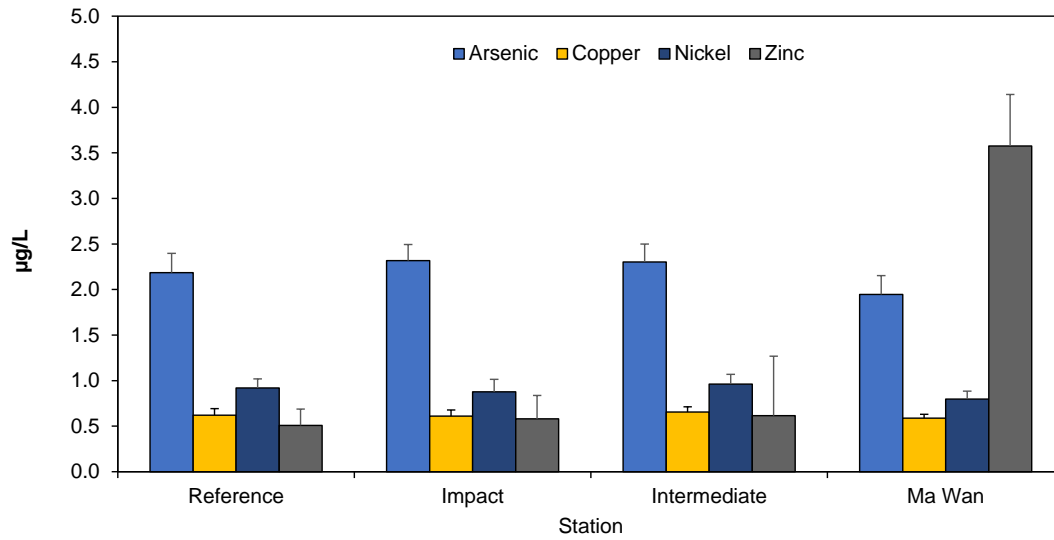
**Routine Water Quality Monitoring for ESC CMP V - August 2023**



**Figure 6:** Level of Turbidity (NTU; mean + SD<sup>1</sup>) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2023

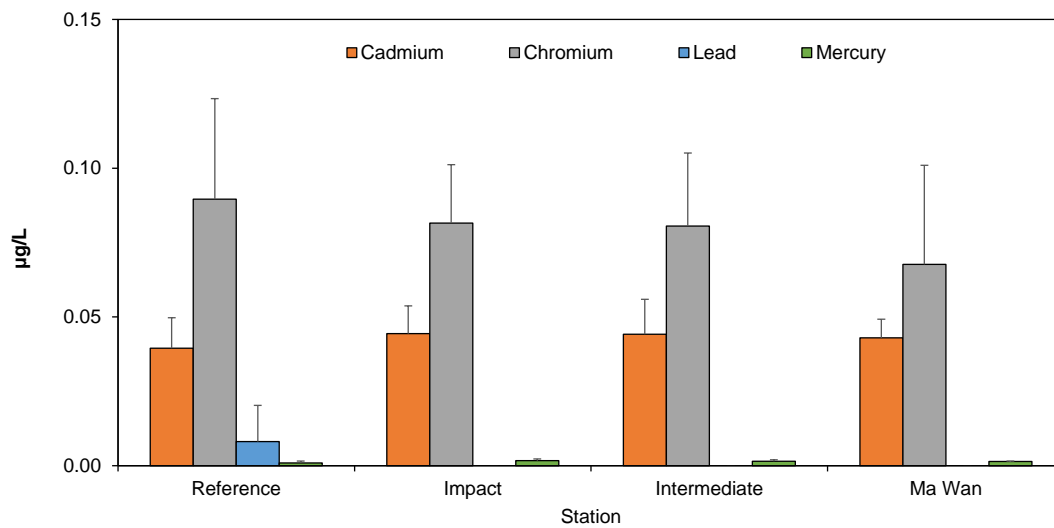
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

### Routine Water Quality Monitoring for ESC CMP V August 2023



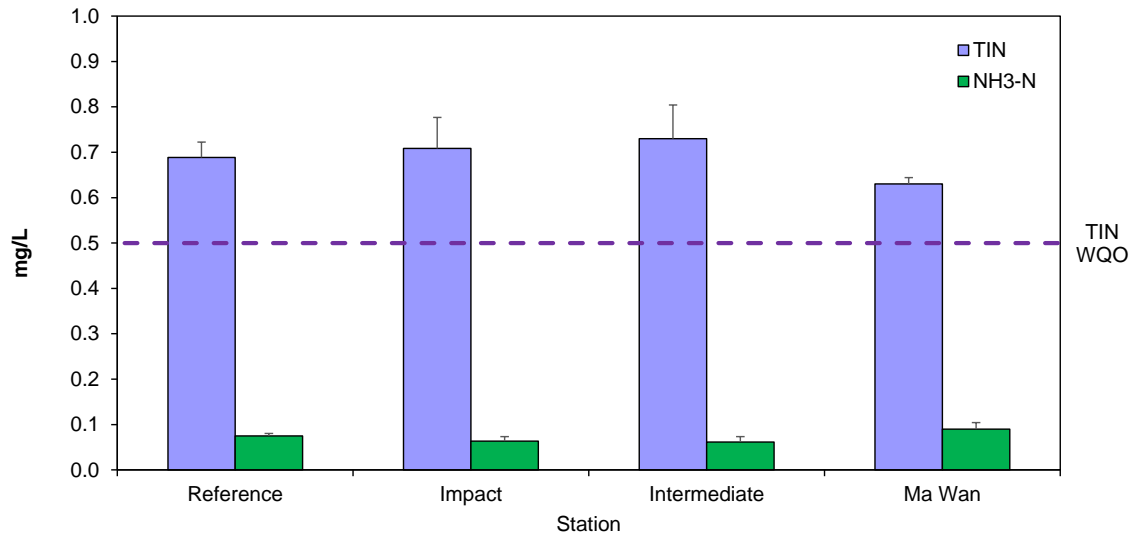
**Figure 7:** Concentration of Arsenic, Copper, Nickel, and Zinc ( $\mu\text{g/L}$ ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2023

### Routine Water Quality Monitoring for ESC CMP V August 2023



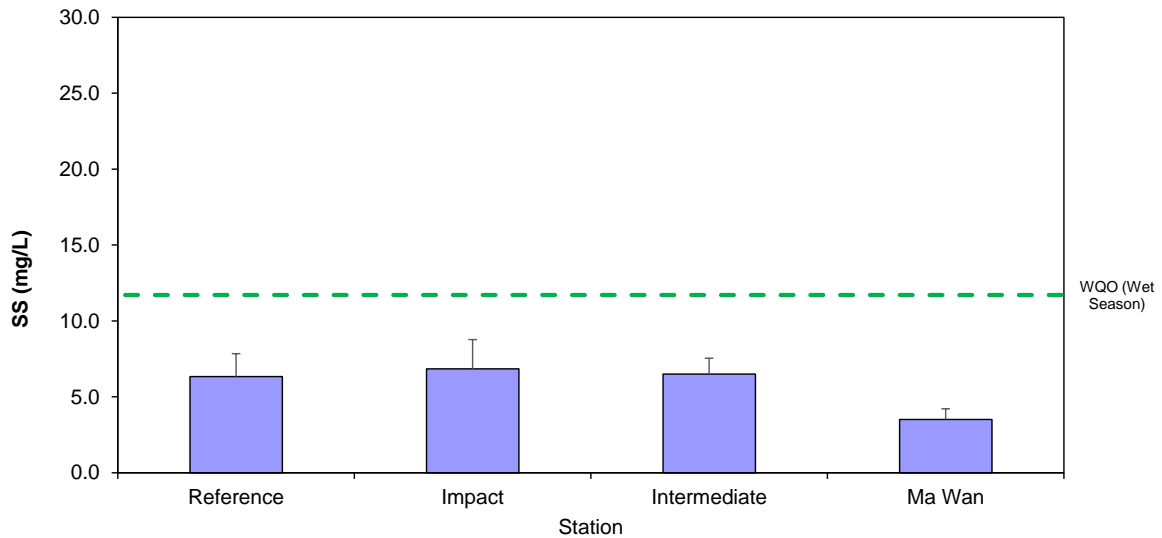
**Figure 8:** Concentration of Cadmium, Chromium, Lead, Mercury and Silver, ( $\mu\text{g/L}$ ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2023

### Routine Water Quality Monitoring for Nutrients - August 2023



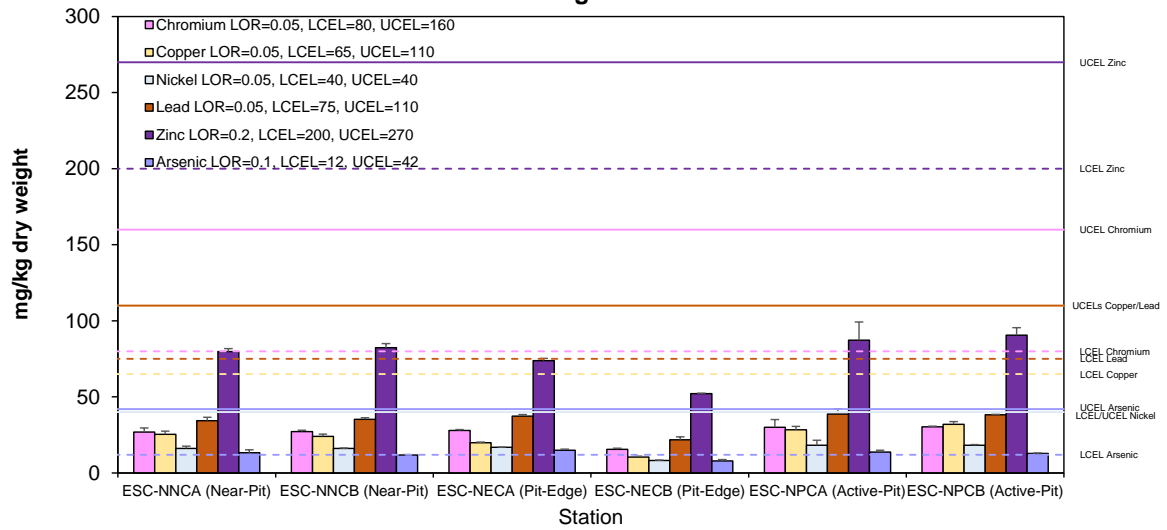
**Figure 9:** Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen (NH3-N) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2023

### Routine Water Quality Monitoring for Suspended Solids - August 2023



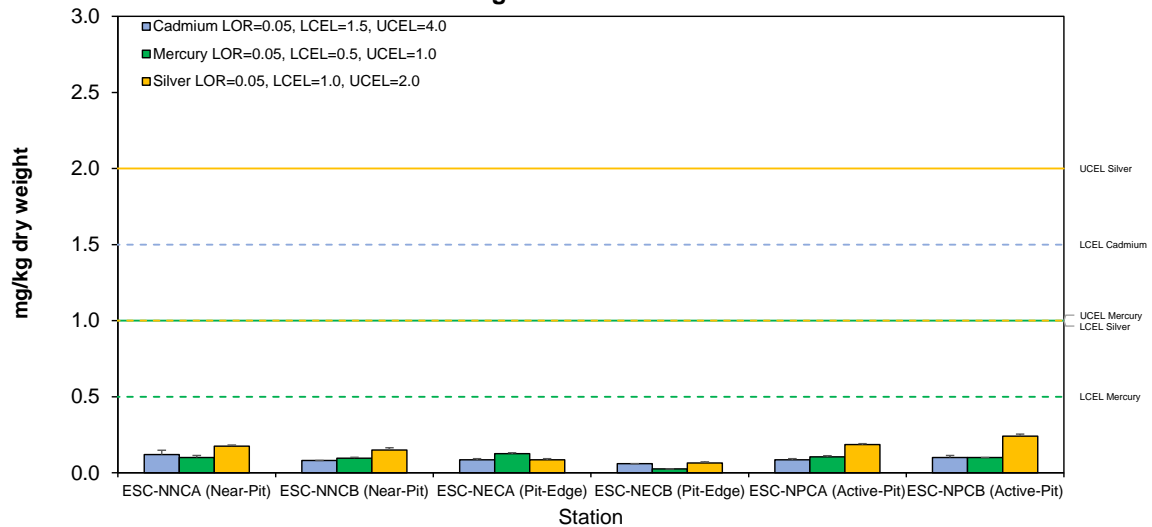
**Figure 10** Concentration of Suspended Solids (SS) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2023

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



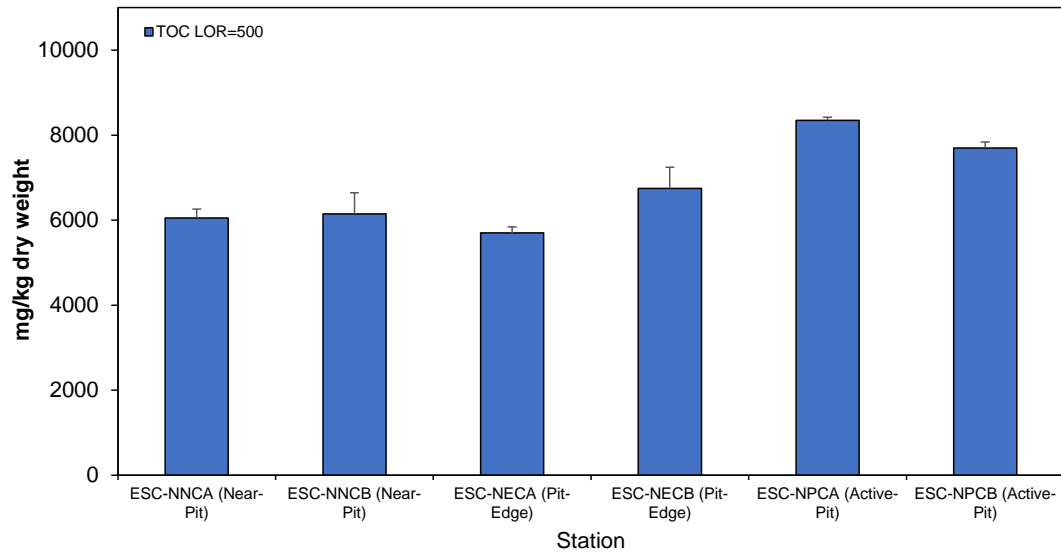
**Figure 11:** Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2023

### Pit Specific Sediment Chemistry for Metal Contaminants at ESC CMP Vb - August 2023



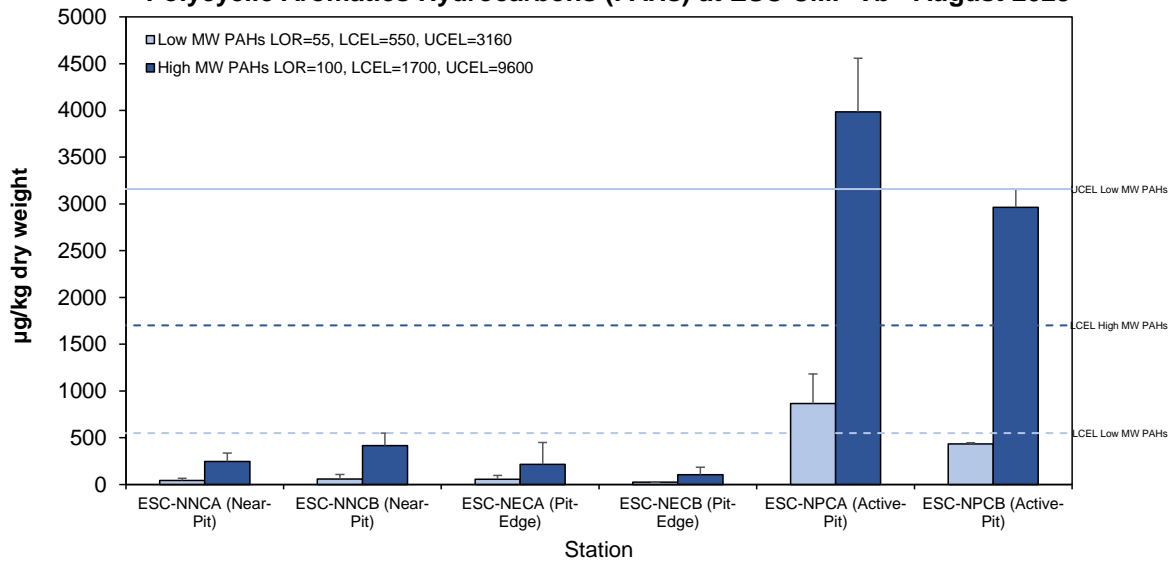
**Figure 12:** Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2023

**Pit Specific Sediment Chemistry for Total Organic Carbon (TOC) at ESC CMP Vb - August 2023**



**Figure 13:** 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 August 2023

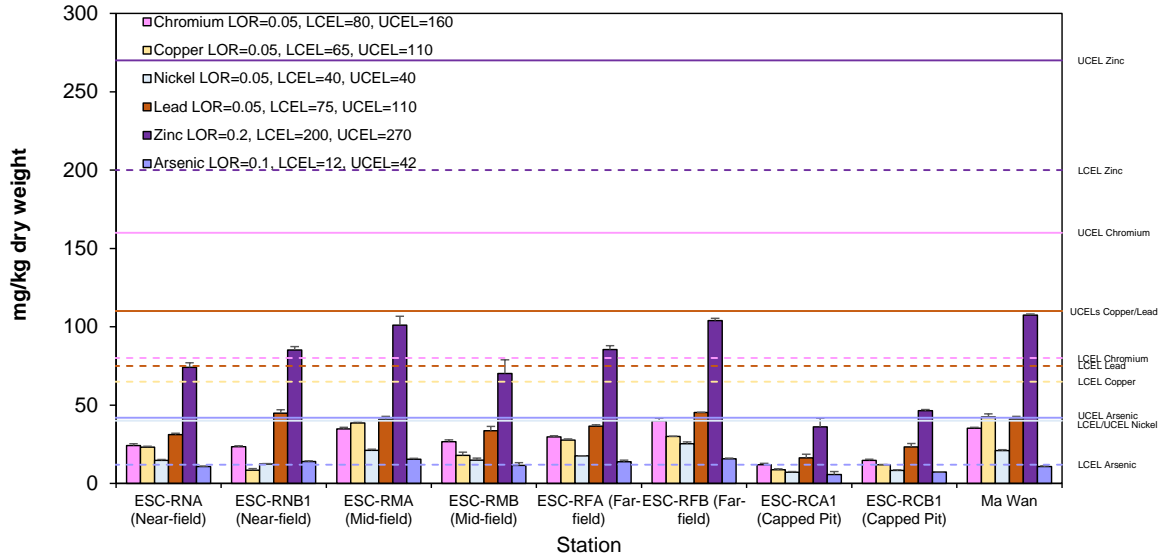
**Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons (PAHs) at ESC CMP Vb - August 2023**



**Figure 14:** 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 August 2023

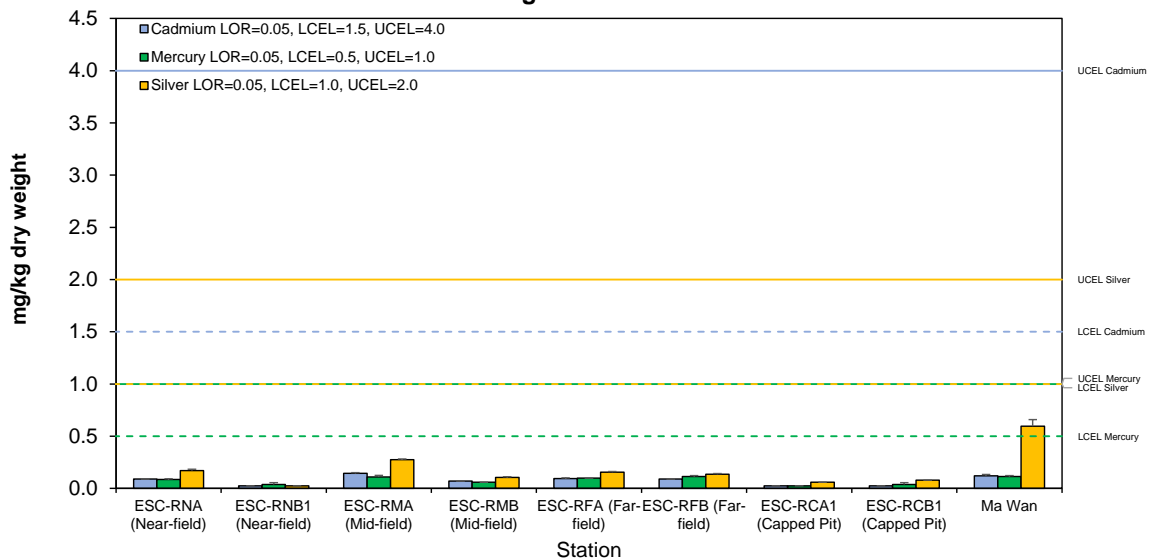


### Cumulative Impact Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMPs - August 2023



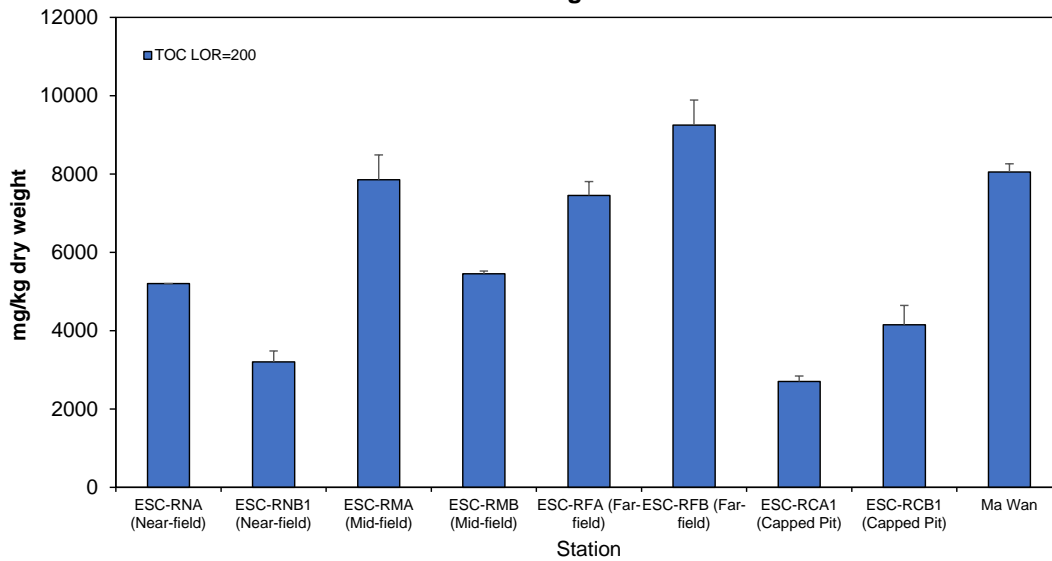
**Figure 15:** Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2023

### Cumulative Impact Sediment Chemistry for Metal Contaminants at ESC CMPs - August 2023



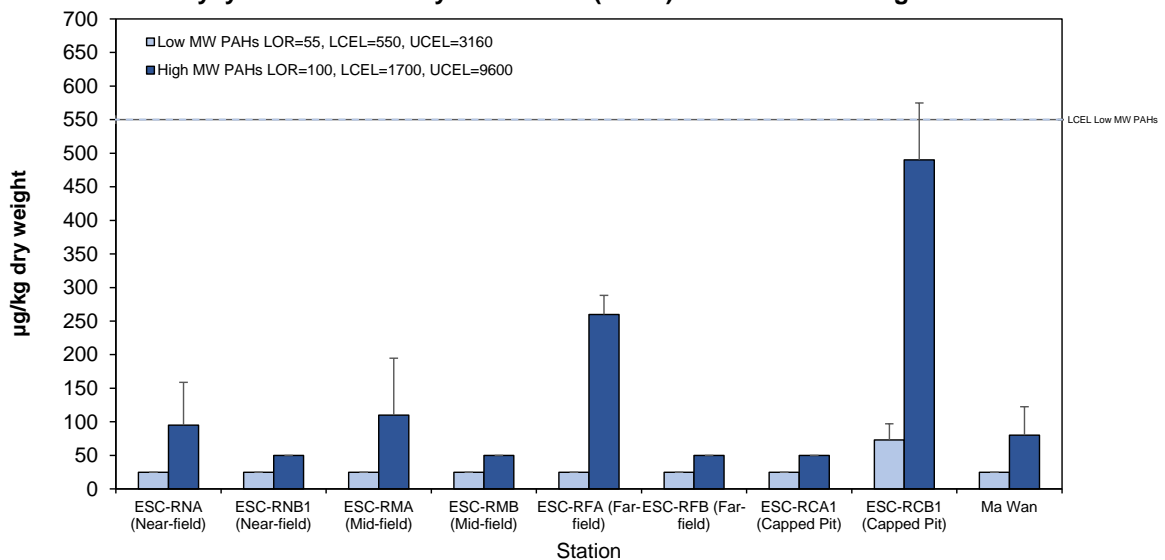
**Figure 16:** Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2023

**Cumulative Impact Sediment Chemistry for Total Organic Carbon (TOC) at ESC CMPs - August 2023**



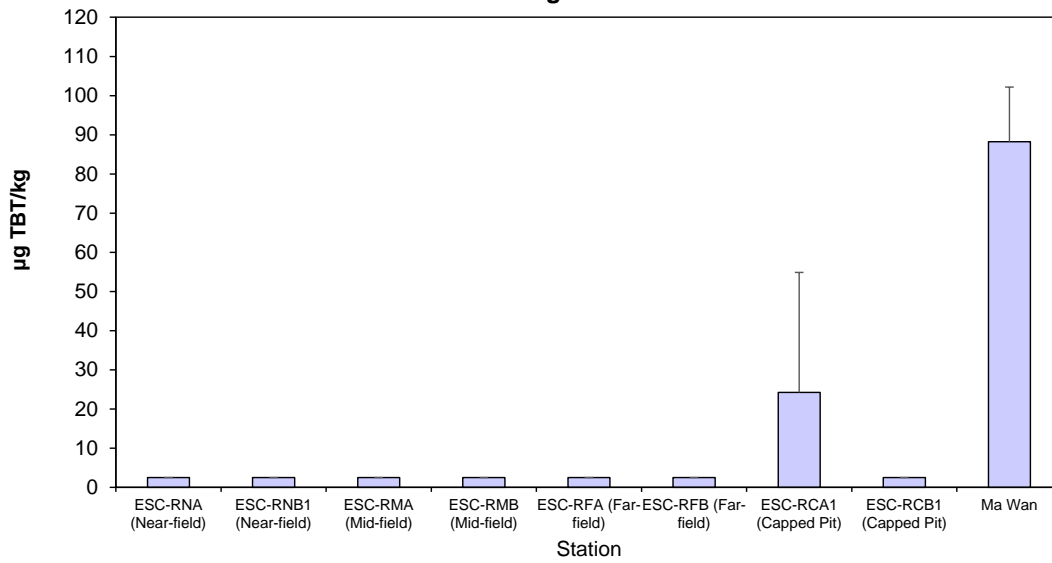
**Figure 17:** Concentration of Total Organic Carbon (TOC) (mg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2023

**Cumulative Impact Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at ESC CMPs - August 2023**



**Figure 18:** Concentration of Low and High Molecular Weight Polycyclic Aromatics (µg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2023

**Cumulative Impact Sediment Chemistry for Tributyltin (TBTs) at ESC CMPs - August 2023**



**Figure 19:** Concentration of Tributyltin (TBT) (µg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2023