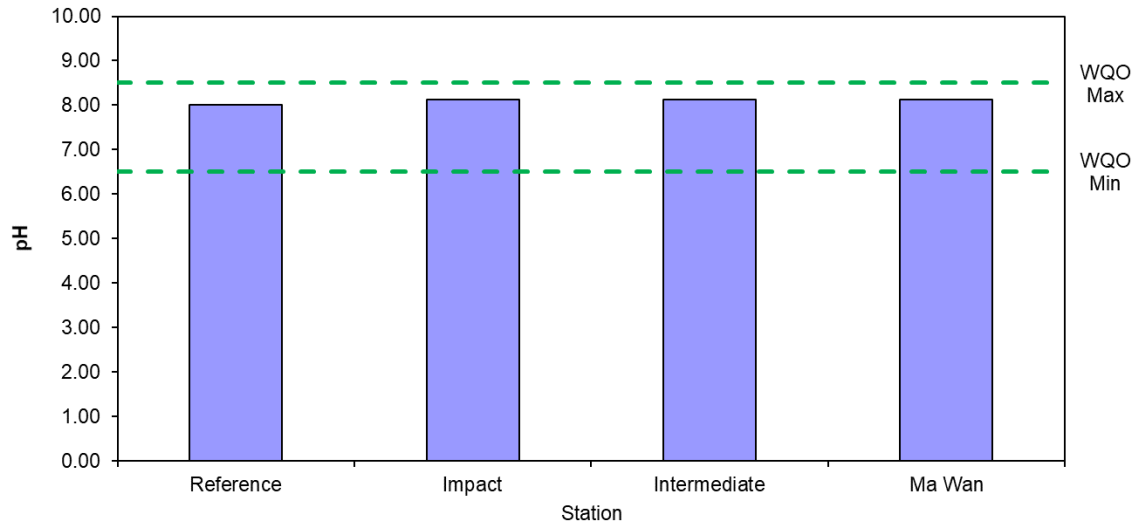


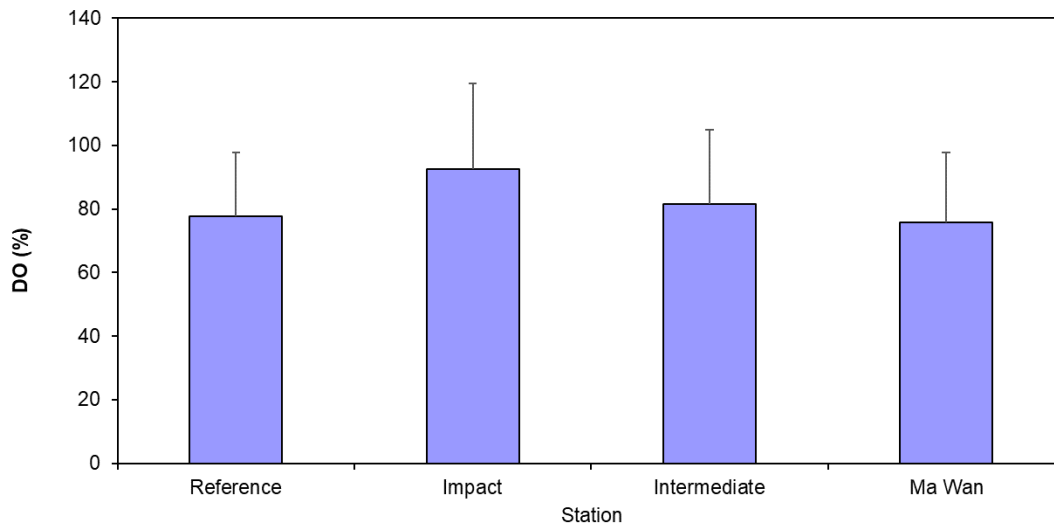
## Appendix C. Graphical Presentations

**Routine Water Quality Monitoring for ESC CMP V - August 2021**



**Figure 1:** Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2021

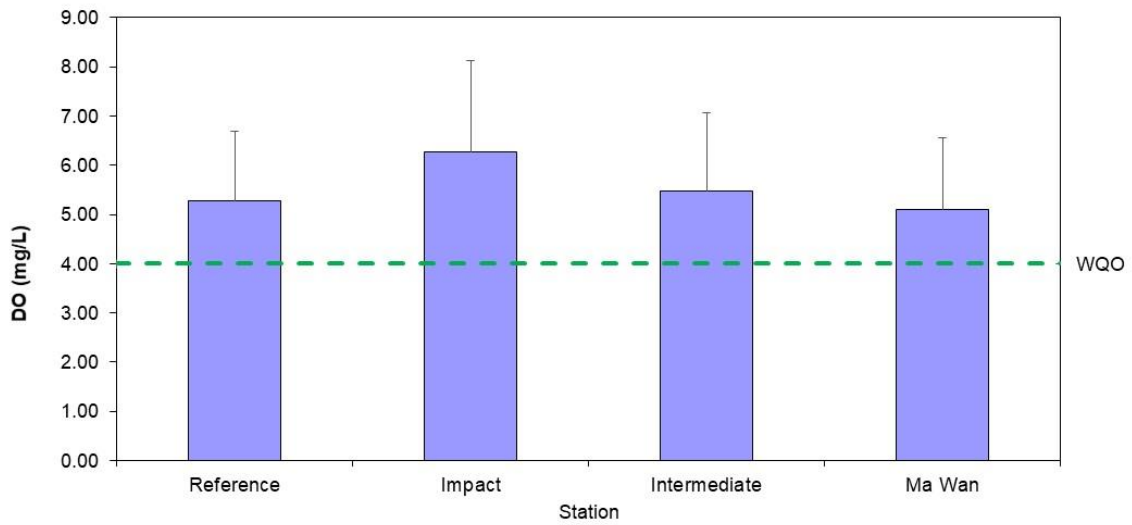
**Routine Water Quality Monitoring for ESC CMP V - August 2021**



**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 2021

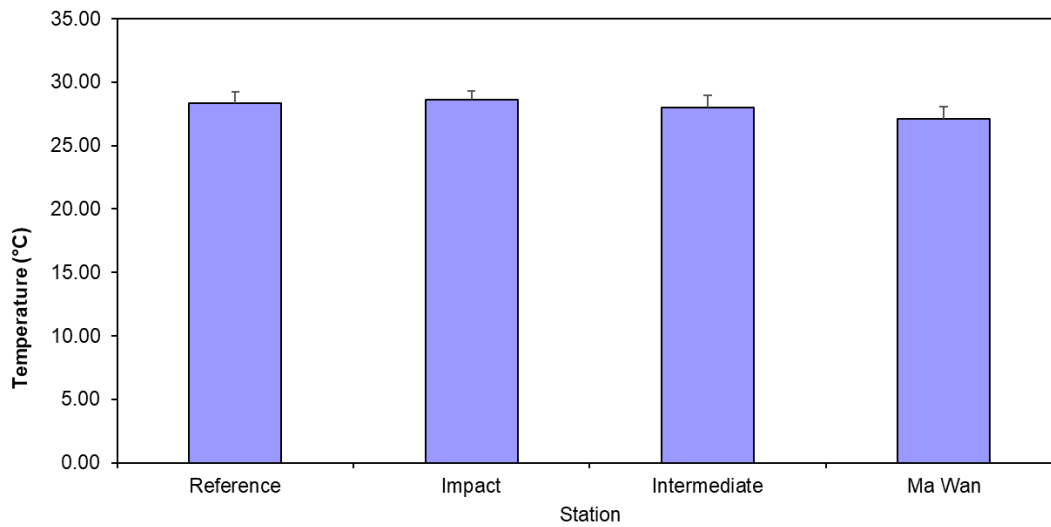
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

**Routine Water Quality Monitoring for ESC CMP V - August 2021**



**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 2021

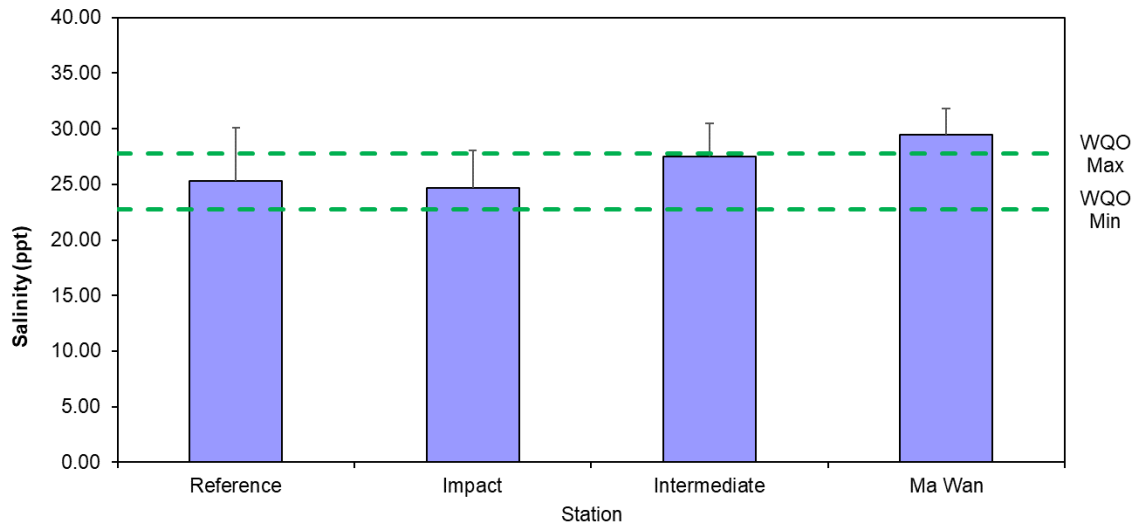
**Routine Water Quality Monitoring for ESC CMP V - August 2021**



**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 2021

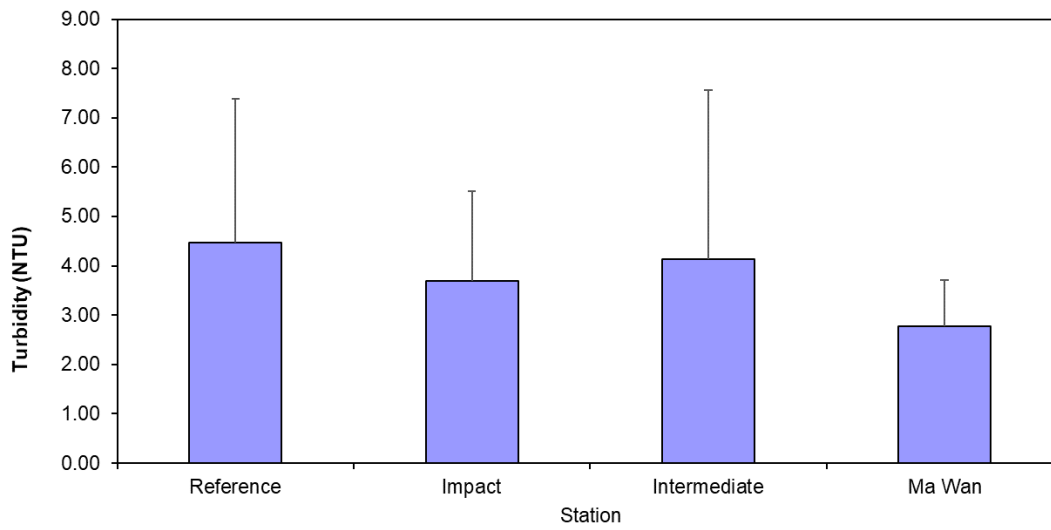
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

### Routine Water Quality Monitoring for ESC CMP V - August 2021



**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 2021

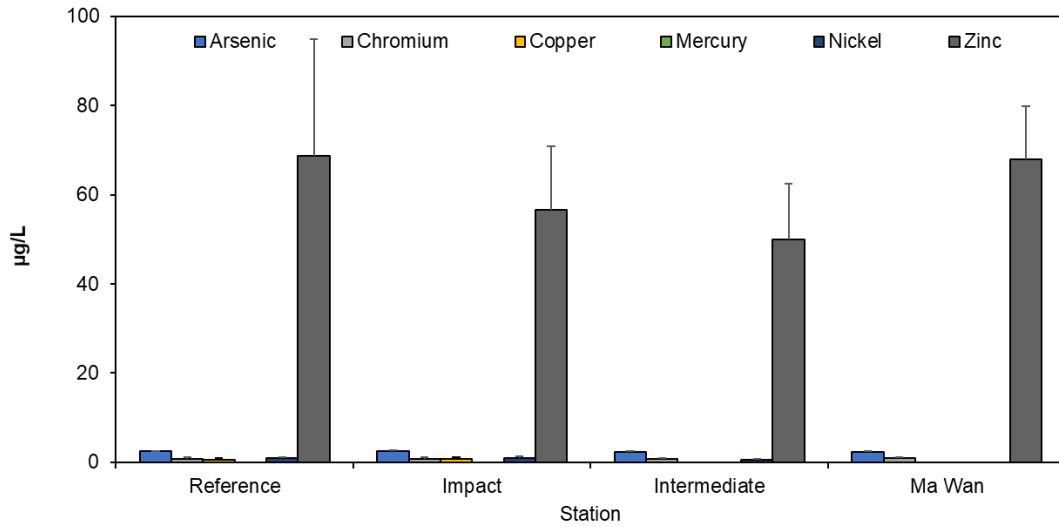
### Routine Water Quality Monitoring for ESC CMP V - August 2021



**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 2021

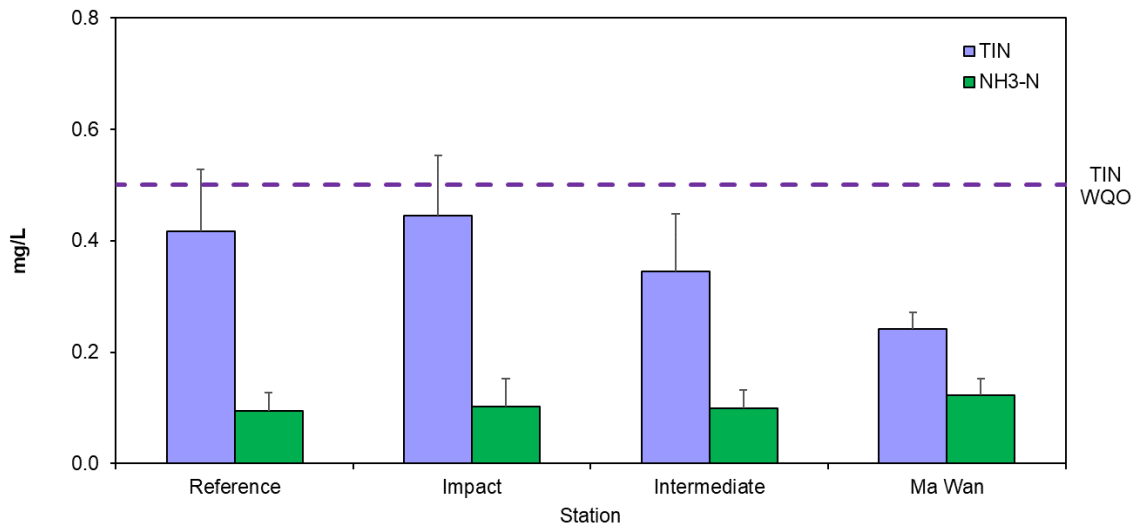
<sup>1</sup> The mean and standard deviation (SD) for in-situ data are the mean and SD for water columns within the area.

### Routine Water Quality Monitoring for ESC CMP V August 2021



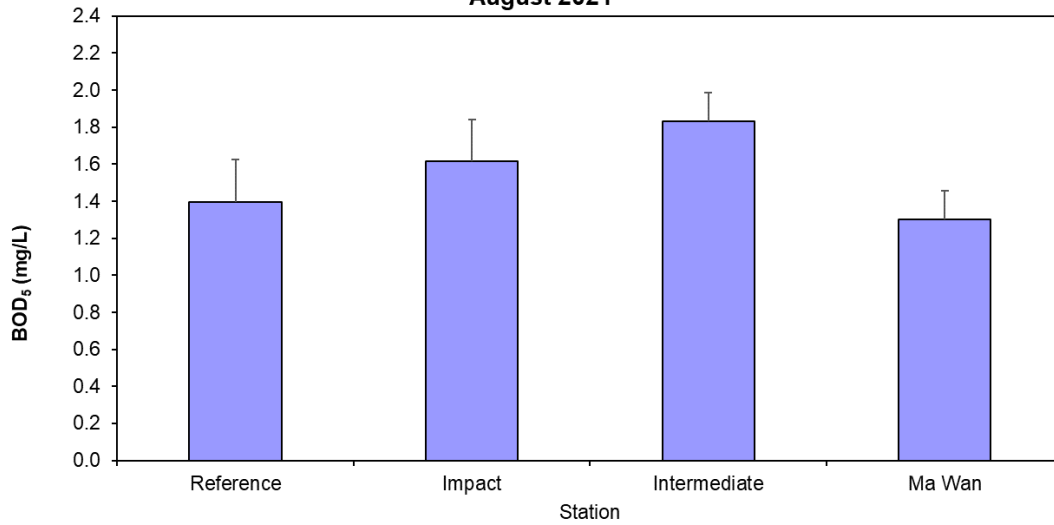
**Figure 7:** Concentration of Arsenic, Chromium, Copper, Lead, Nickel, Silver, and Zinc (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2021

### Routine Water Quality Monitoring for Nutrients - August 2021



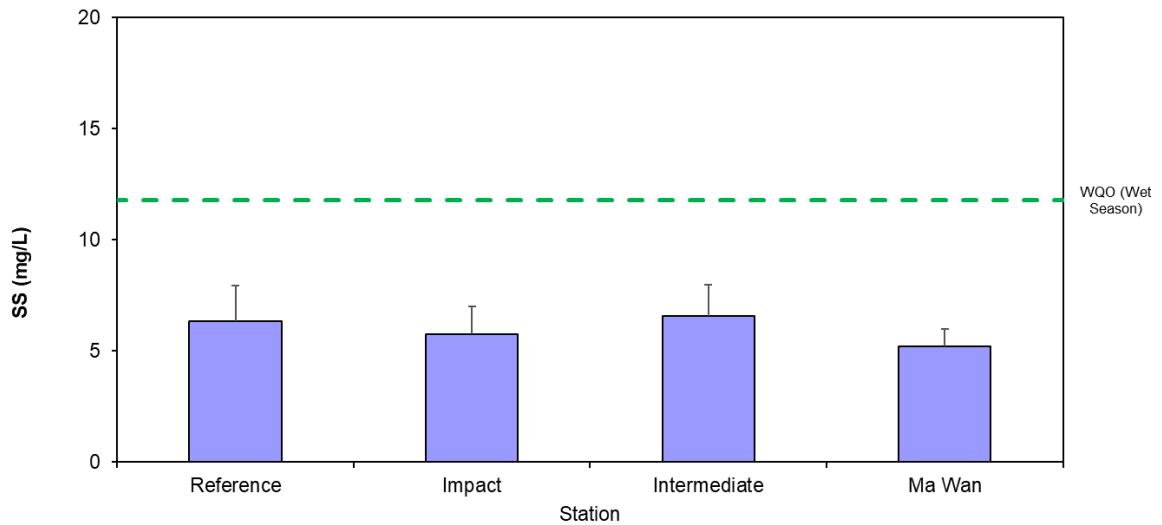
**Figure 8:** Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen (NH3-N) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2021

**Routine Water Quality Monitoring for Biochemical Oxygen Demand (BOD<sub>5</sub>) - August 2021**



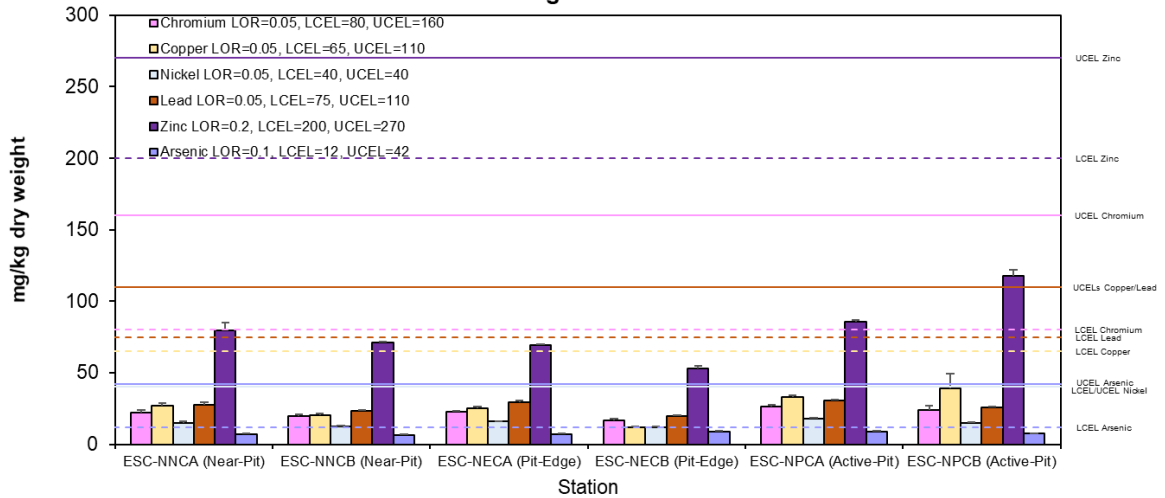
**Figure 9:** Level of Biochemical Oxygen Demand (BOD<sub>5</sub>) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2021

**Routine Water Quality Monitoring for Suspended Solids - August 2021**



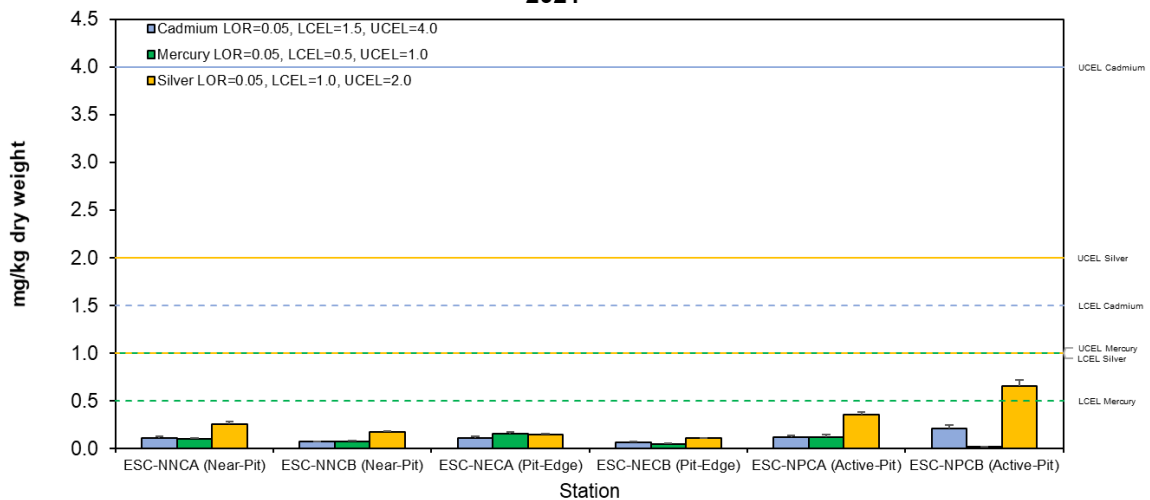
**Figure 10:** Concentration of Suspended Solids (SS) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2021

### Pit Specific Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMP Vb - August 2021



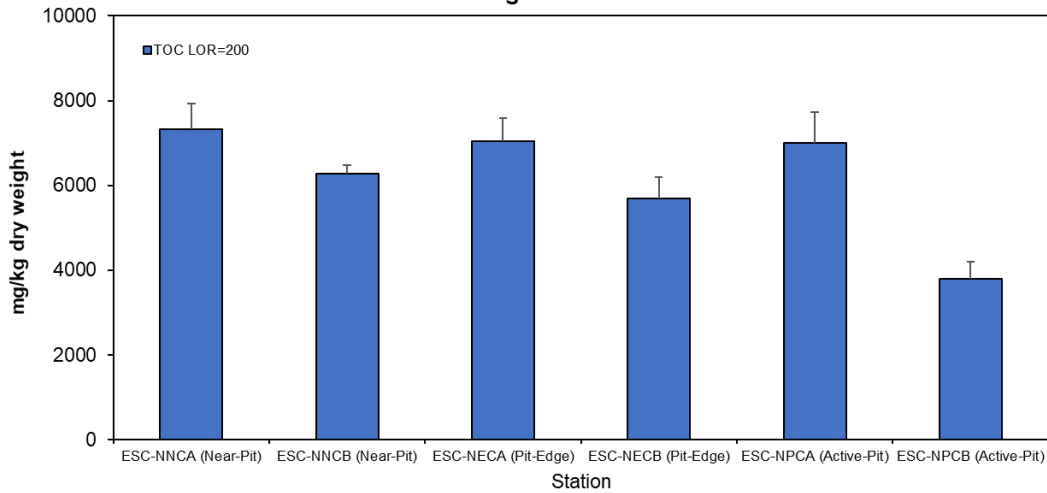
**Figure 11:** Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2021

### Pit Specific Sediment Chemistry for Metal Contaminants at ESC CMP Vb - August 2021



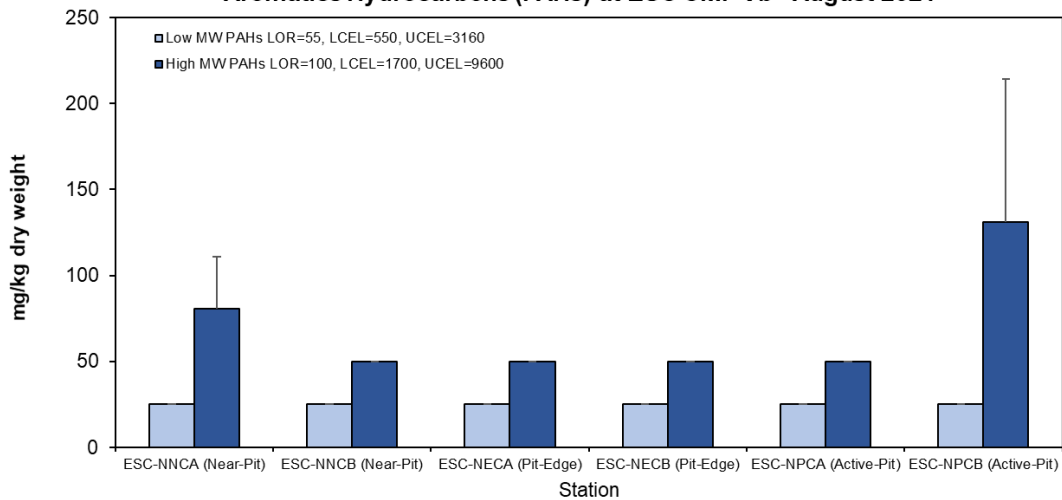
**Figure 12:** Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2021

**Pit Specific Sediment Chemistry for Total Organic Carbon (TOC) at ESC CMP Vb - August 2021**



**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 2021

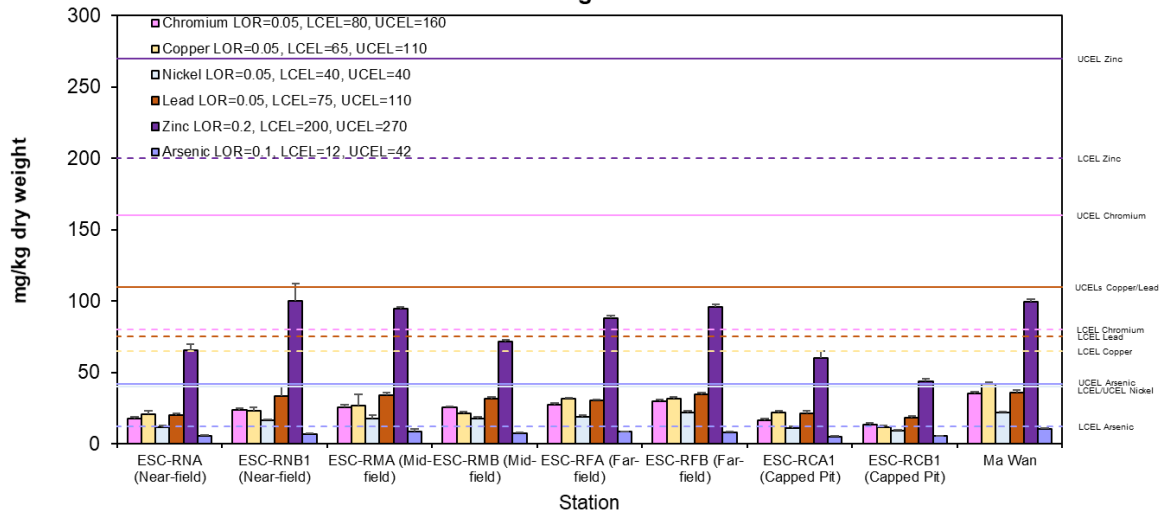
**Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at ESC CMP Vb - August 2021**



**Figure 14:** 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 August 2021

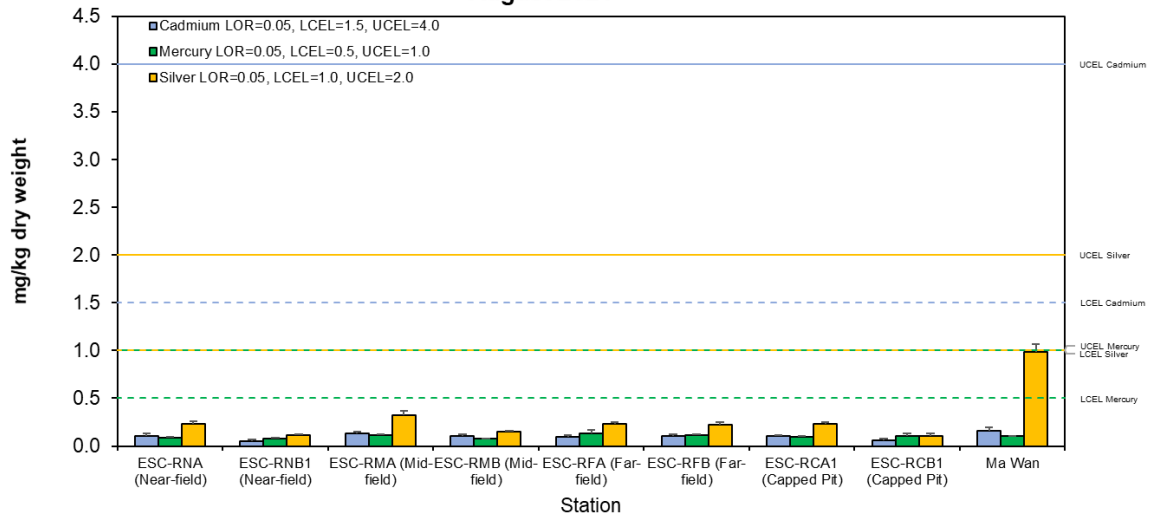


### Cumulative Impact Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMPs - August 2021



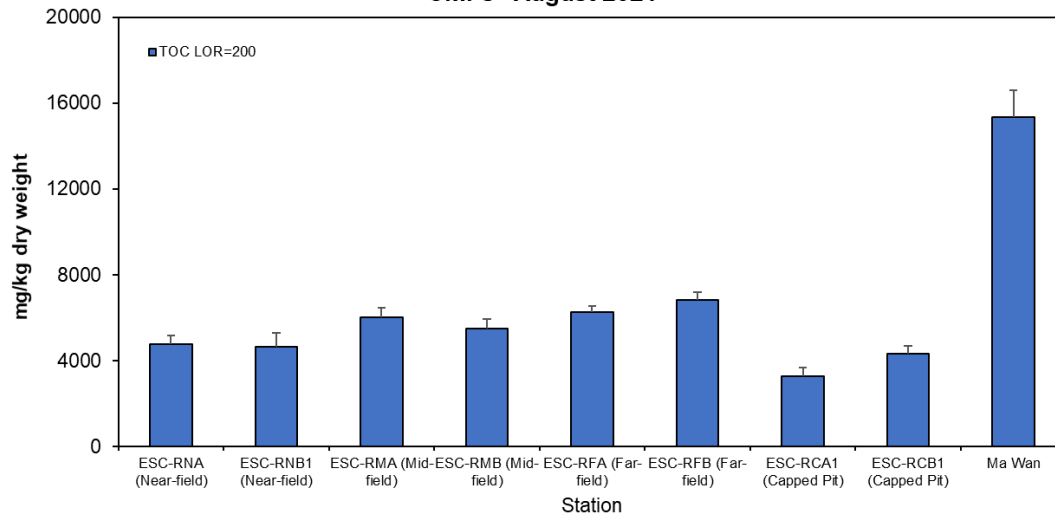
**Figure 15:** Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2021

### Cumulative Impact Sediment Chemistry for Metal Contaminants at ESC CMPs - August 2021



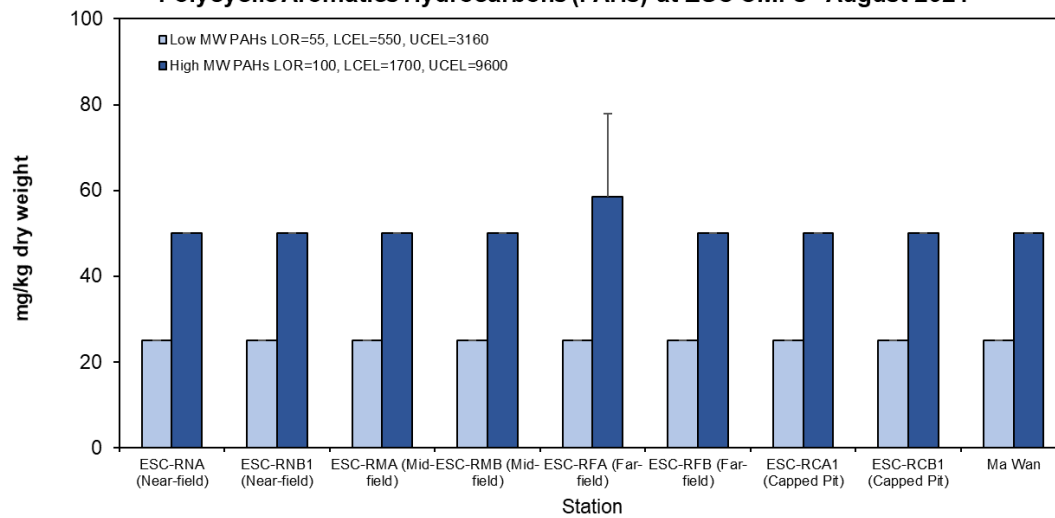
**Figure 16:** Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2021

**Cumulative Impact Sediment Chemistry for Total Organic Carbon (TOC) at ESC CMPs - August 2021**



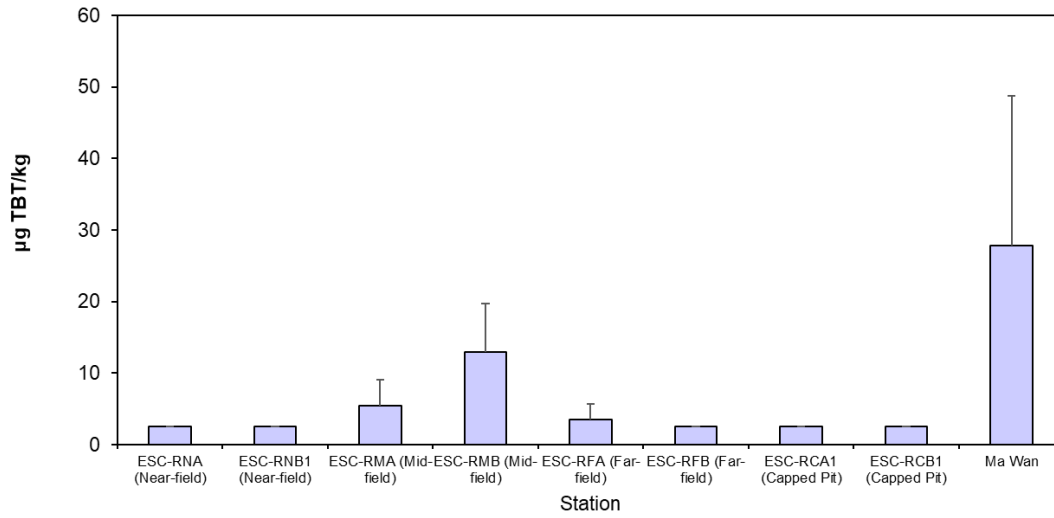
**Figure 17:** Concentration of Total Organic Carbon (TOC) (mg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2021

**Cumulative Impact Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at ESC CMPs - August 2021**



**Figure 18:** Concentration of Low and High Molecular Weight Polycyclic Aromatics (mg/kg dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2021

### Cumulative Impact Sediment Chemistry for Tributyltin (TBTs) at ESC CMPs - August 2021



**Figure 19:** Concentration of Tributyltin (TBT) ( $\mu\text{g}/\text{kg}$  dry weight; mean + SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2021