Appendix C. Graphical Presentations

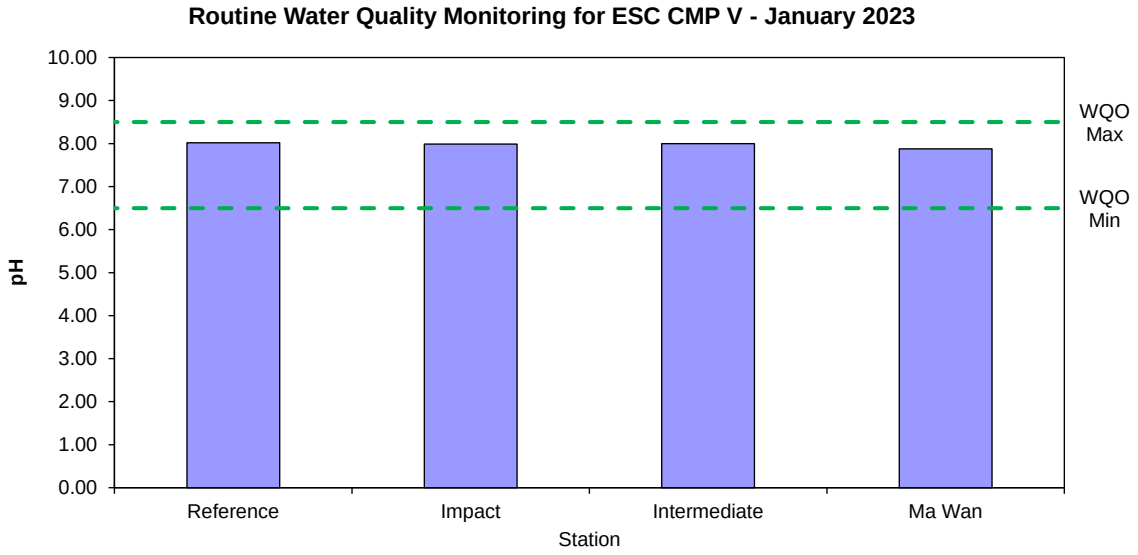

Figure 1: Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

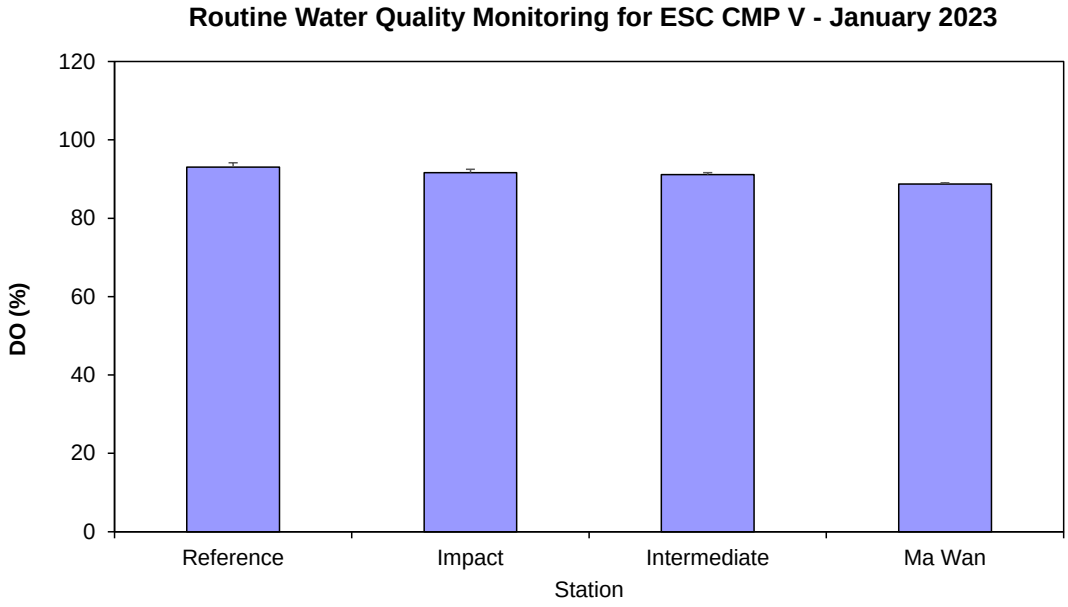

Figure 2: Level of Dissolved Oxygen (DO) (% saturation; mean + SD[1]) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

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

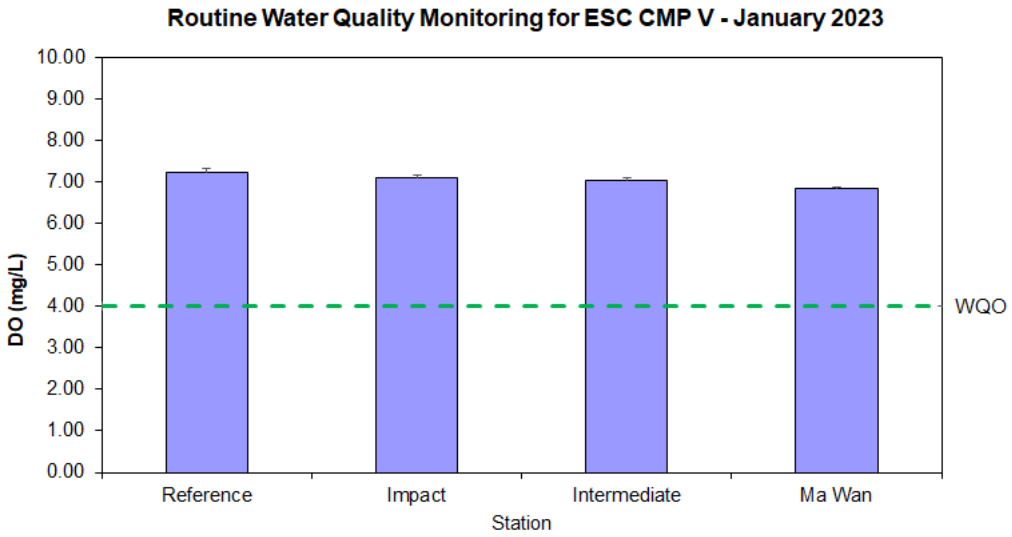

Figure 3: Concentration of Dissolved Oxygen (DO) (mg/L; mean + SD[1]) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

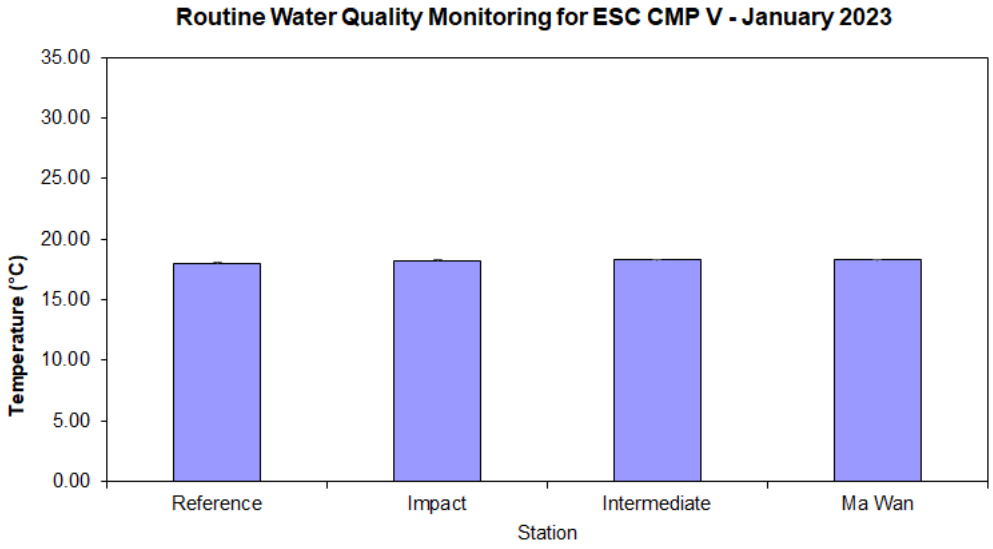

Figure 4: Level of Temperature (°C; mean + SD[1]) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

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

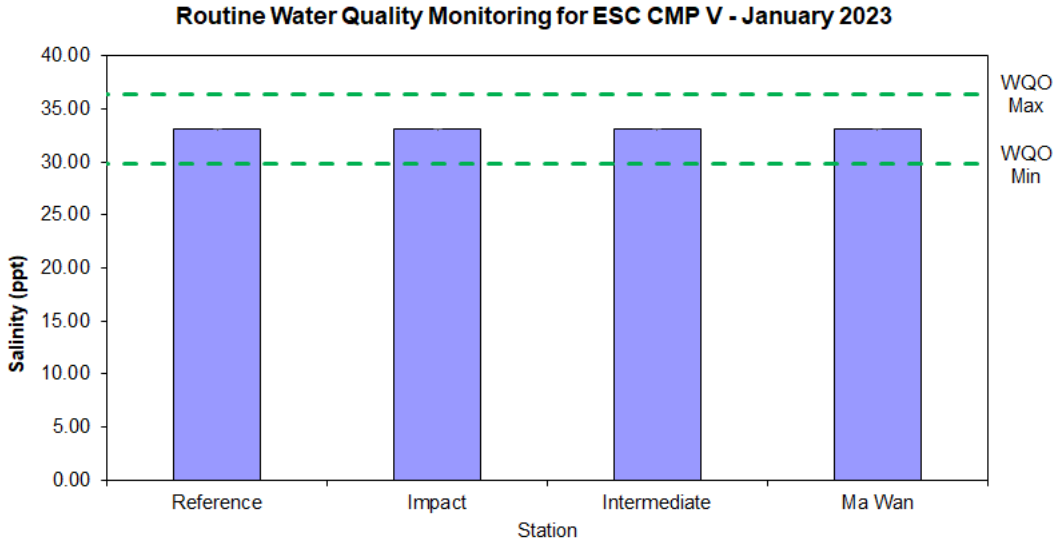

Figure 5: Level of Salinity (ppt; mean + SD)[1] recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

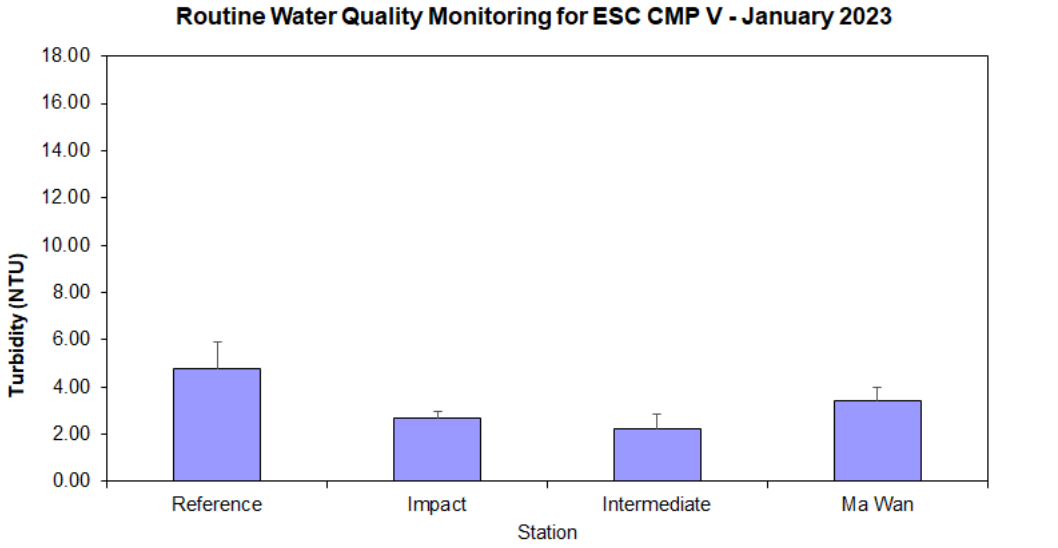

Figure 6: Level of Turbidity (NTU; mean + SD)[1] recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

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

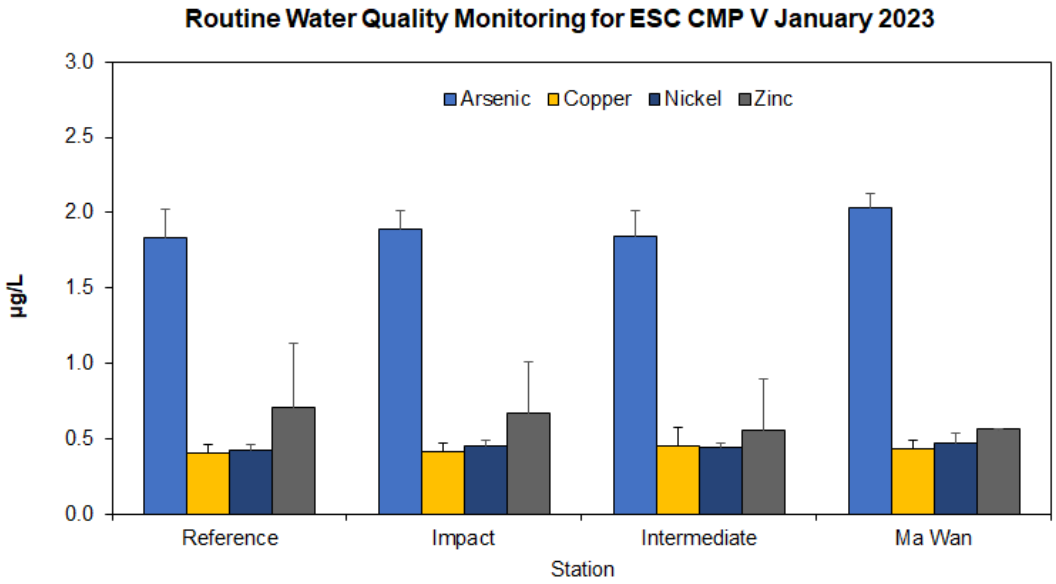

Figure 7: Concentration of Arsenic, Copper, Nickel, and Zinc (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

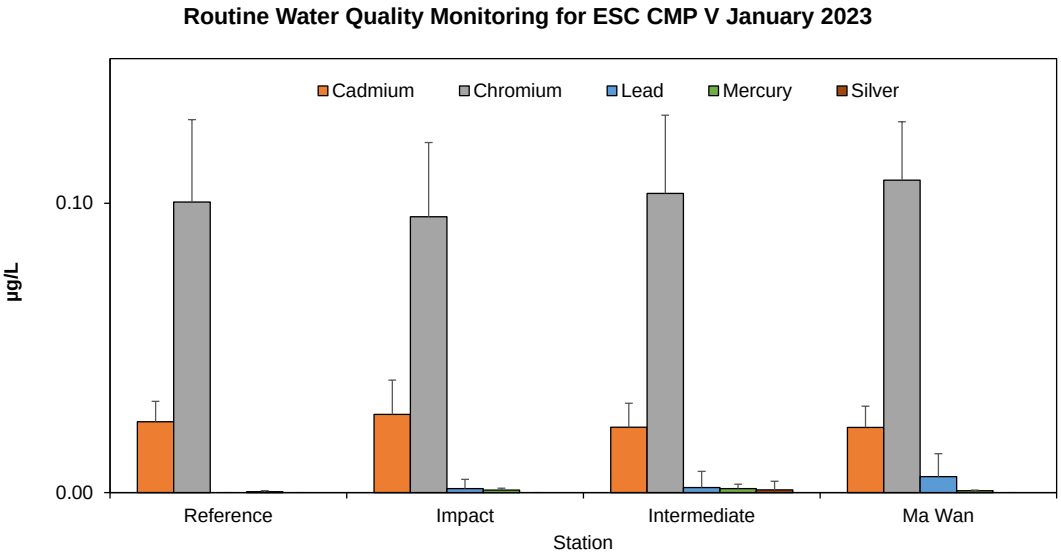

Figure 8: Concentration of Cadmium, Chromium, Lead, Mercury and Silver, (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

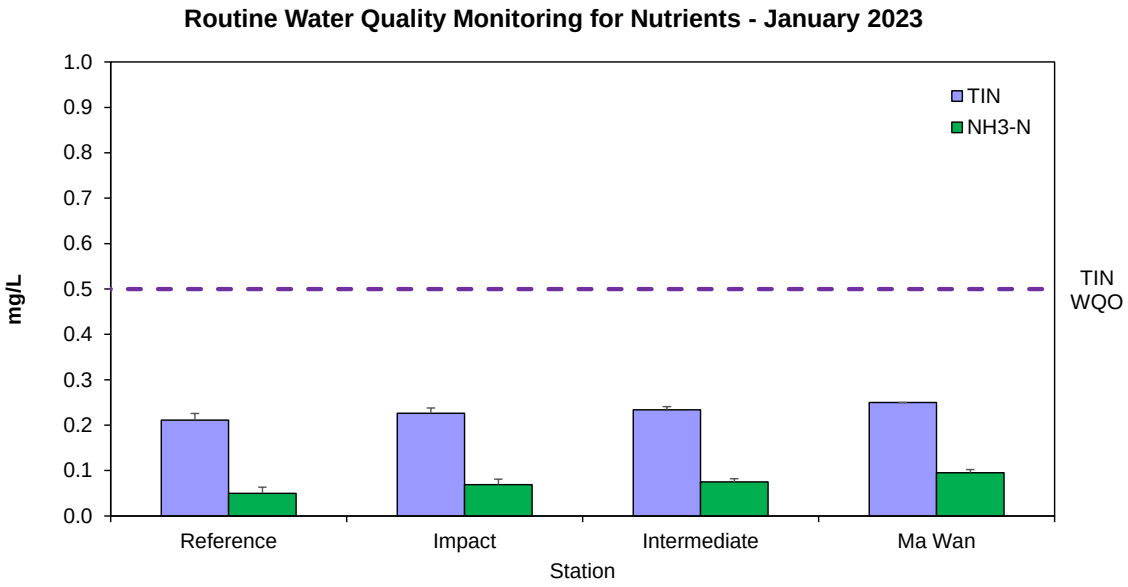

Figure 9: Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen (NH3-N) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

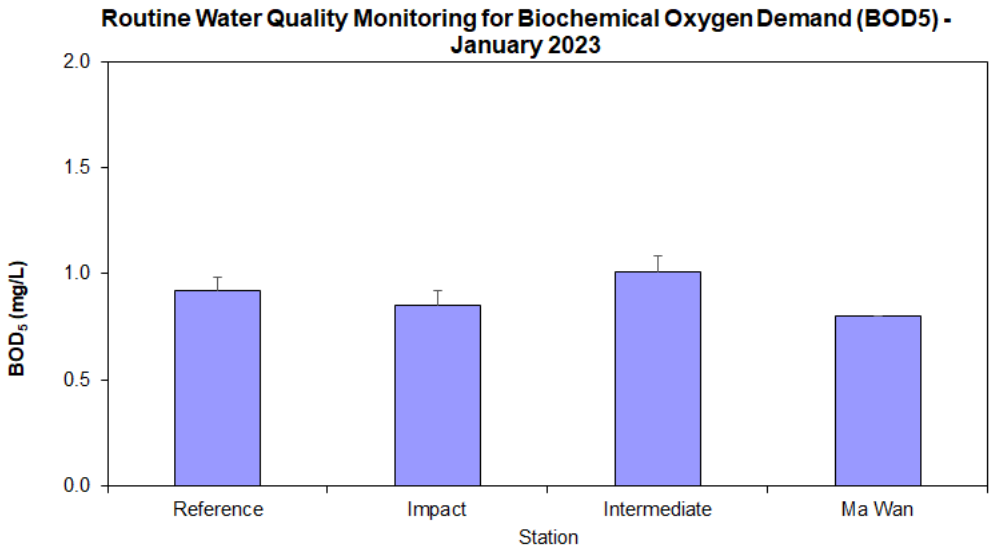

Figure 10: Level of Biochemical Oxygen Demand (BOD5) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

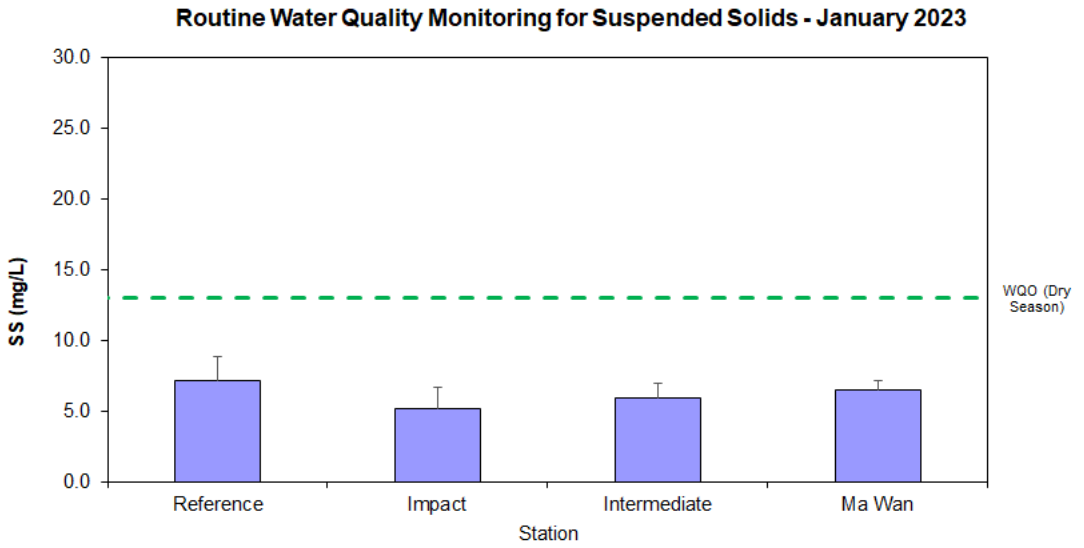

Figure 11 Concentration of Suspended Solids (SS) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in January 2023

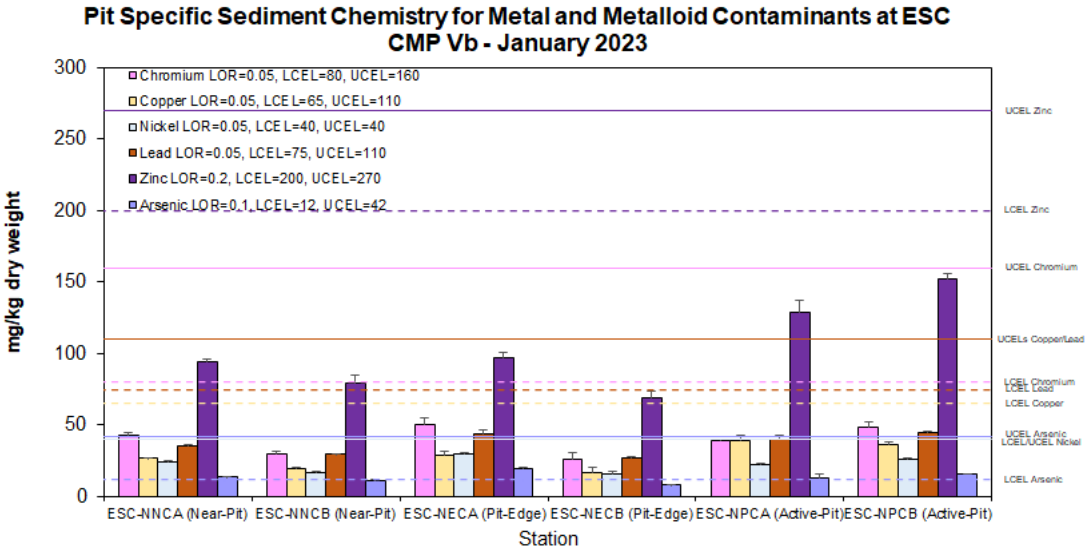

Figure 12: Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in January 2023

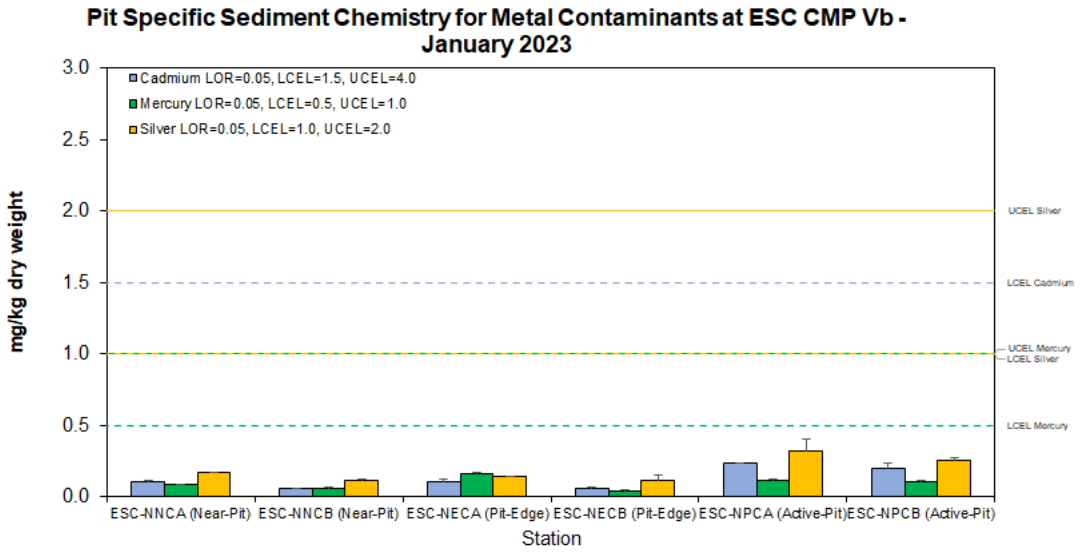

Figure 13: Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in January 2023

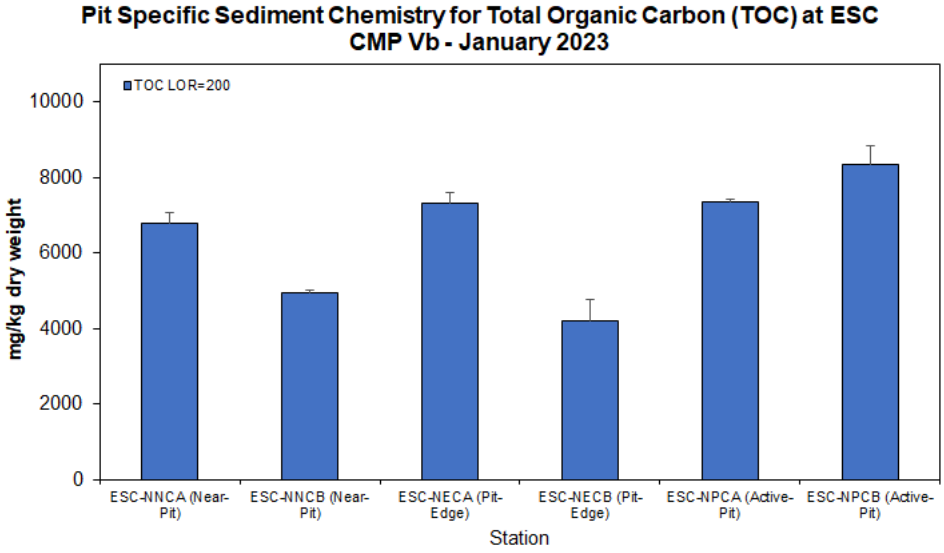

Figure 14: Concentration of Total Organic Carbon (TOC) (mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in January 2023

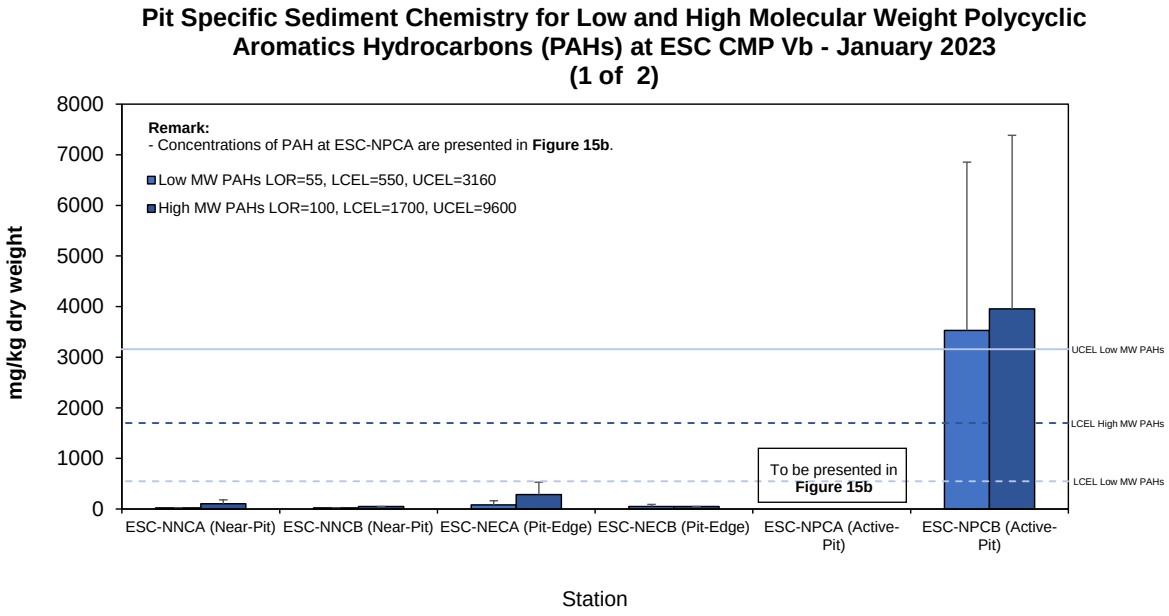

Figure 15a: Concentration of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons (mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in January 2023 for Near-Pit stations, Pit-Edge stations and Active-Pit ESC-NPCB Station

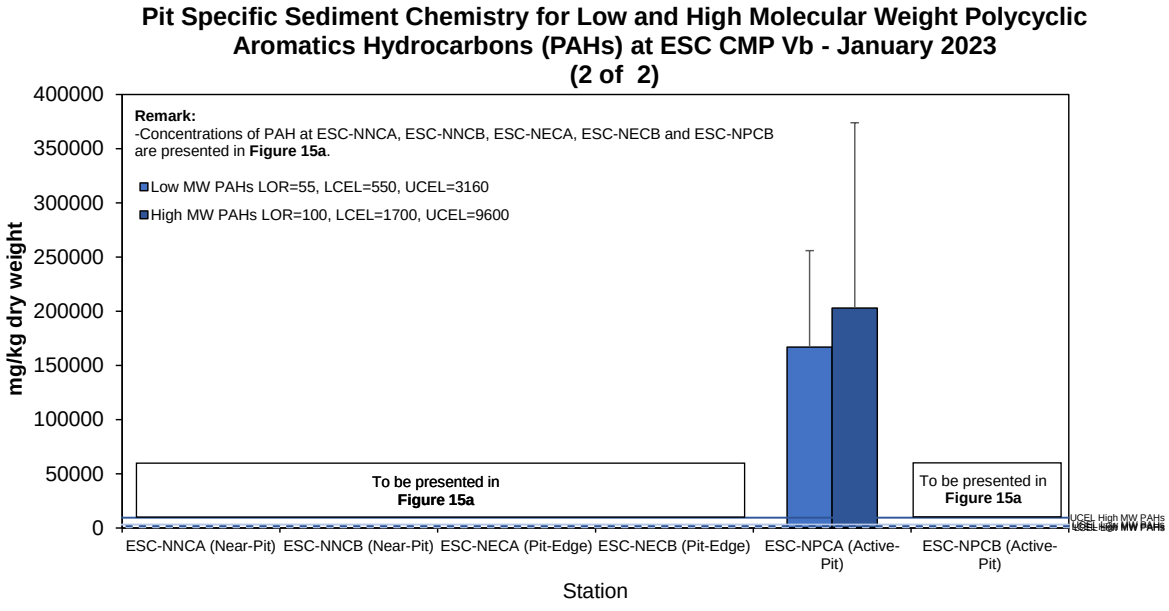

Figure 15b: Concentration of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons (mg/kg dry weight; mean + SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in January 2023 for Active-Pit ESC-NPCA station