

Annex C

## Graphical Presentations

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

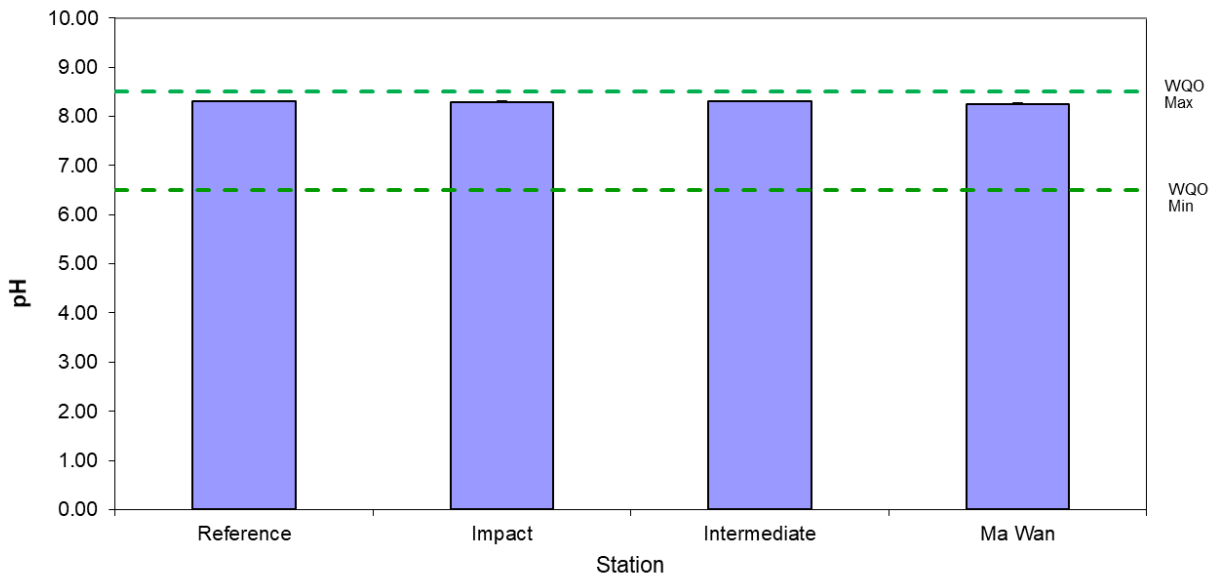


Figure 1: Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

**Routine Water Quality Monitoring ESC CMP V - February 2021**

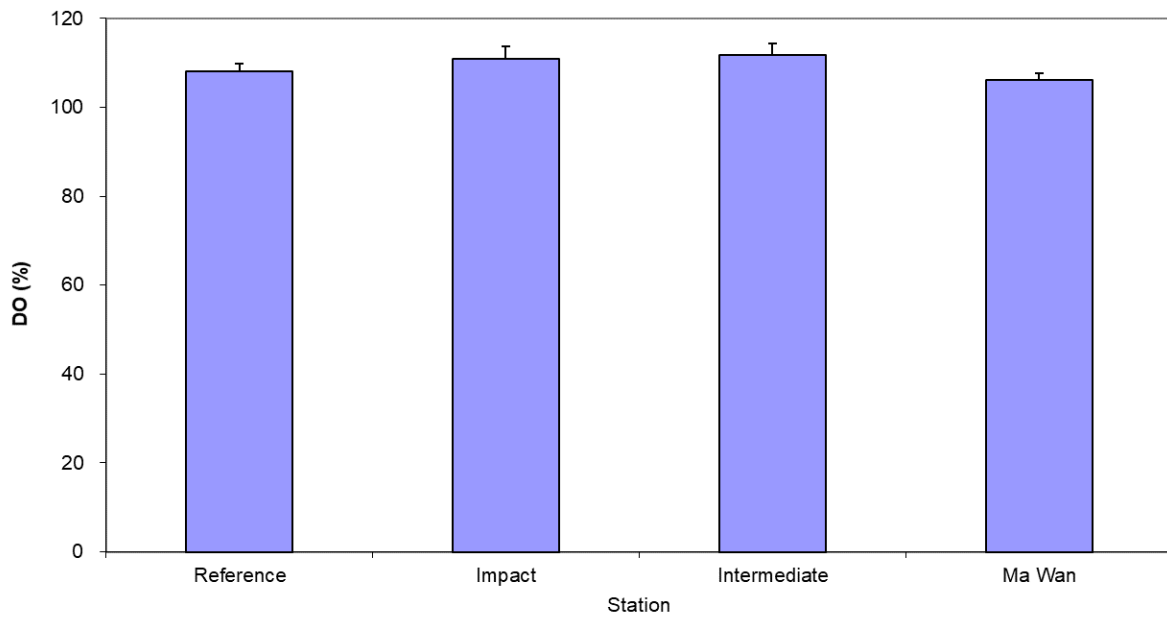


Figure 2: Level of Dissolved Oxygen (DO) (% saturation; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

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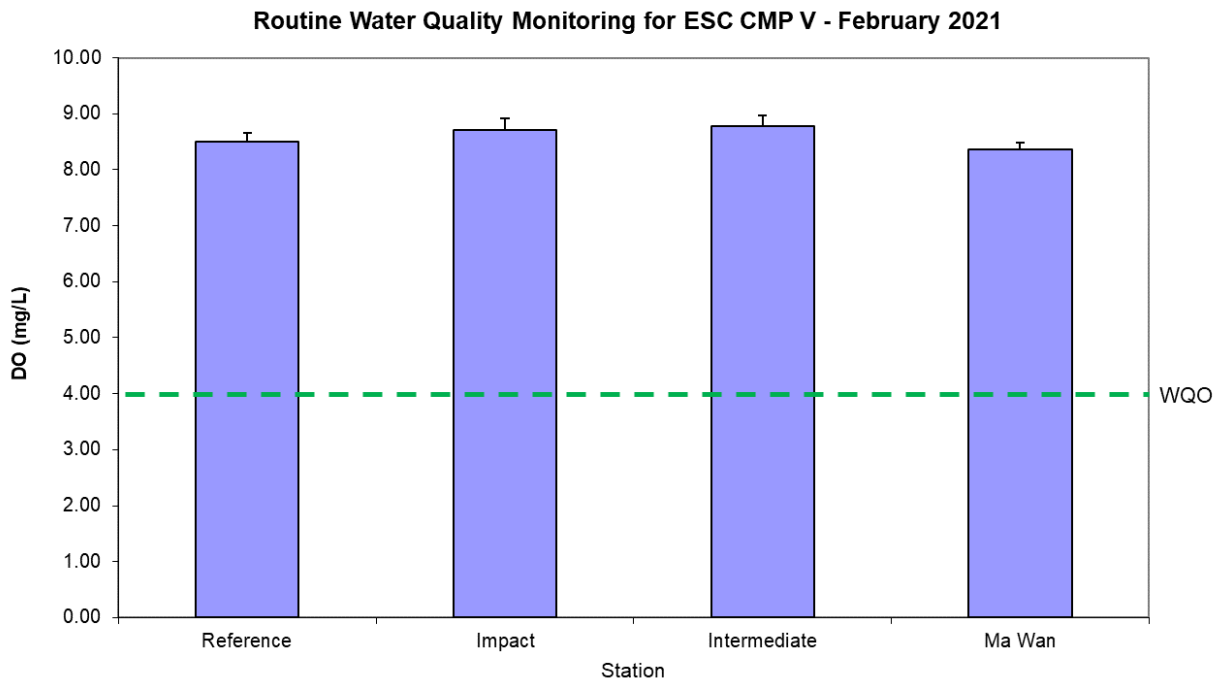


Figure 3: Concentration of Dissolved Oxygen (DO) (mg/L; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

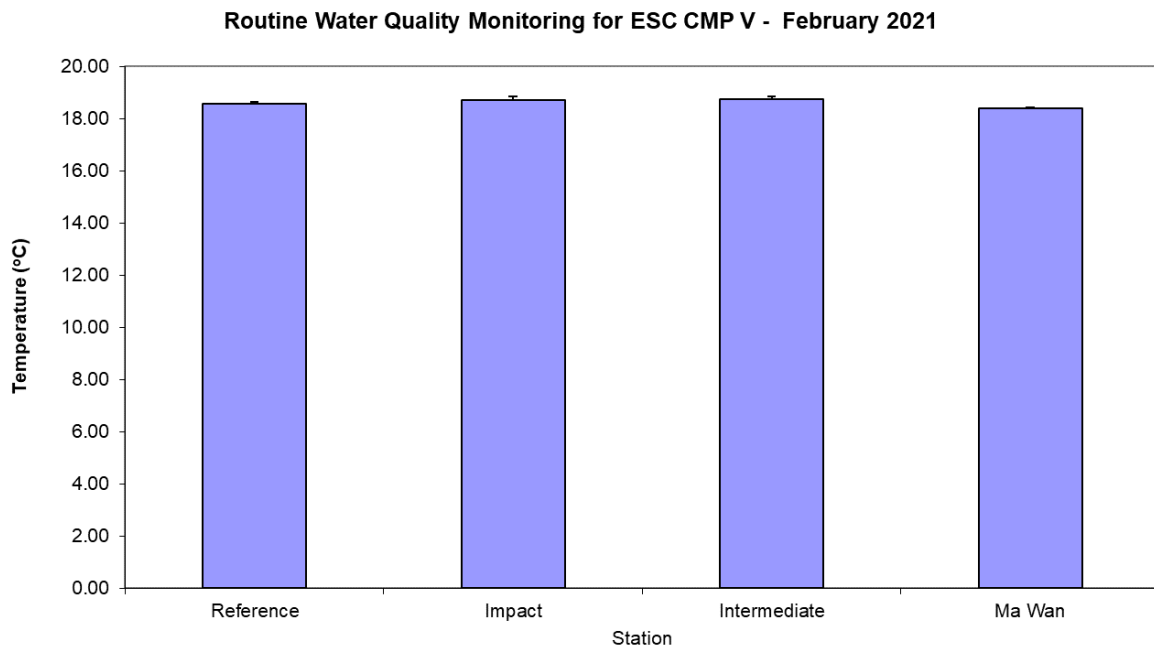


Figure 4: Level of Temperature (°C; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

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

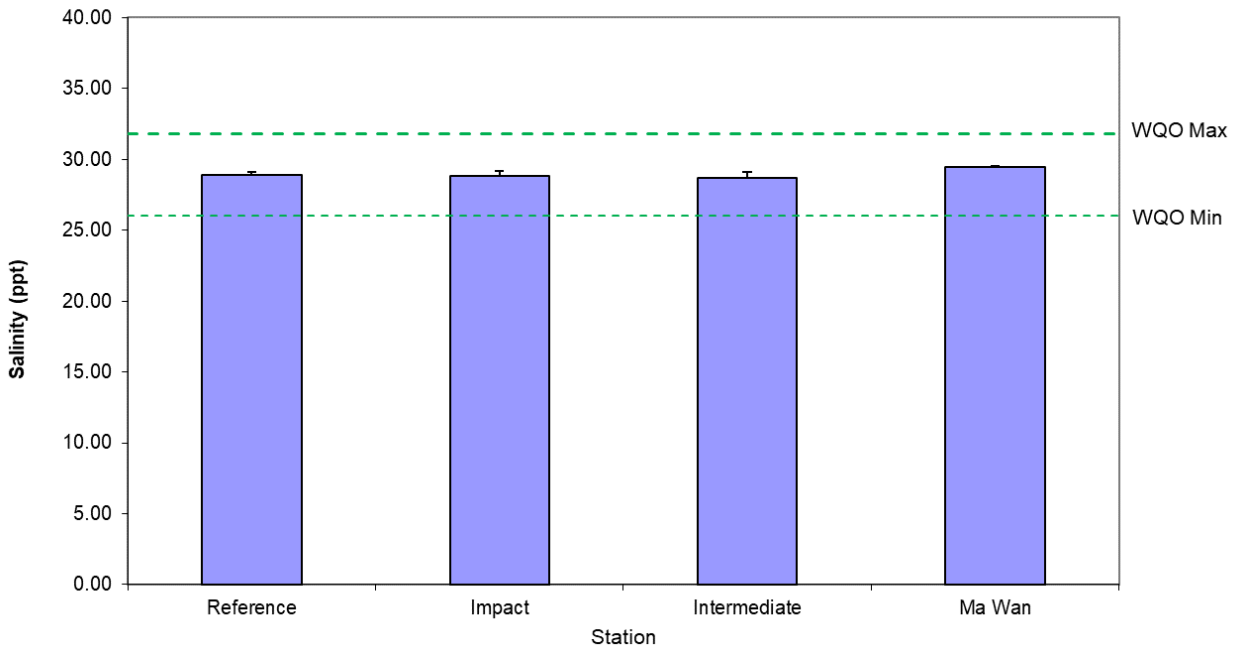


Figure 5: Level of Salinity (ppt; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

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

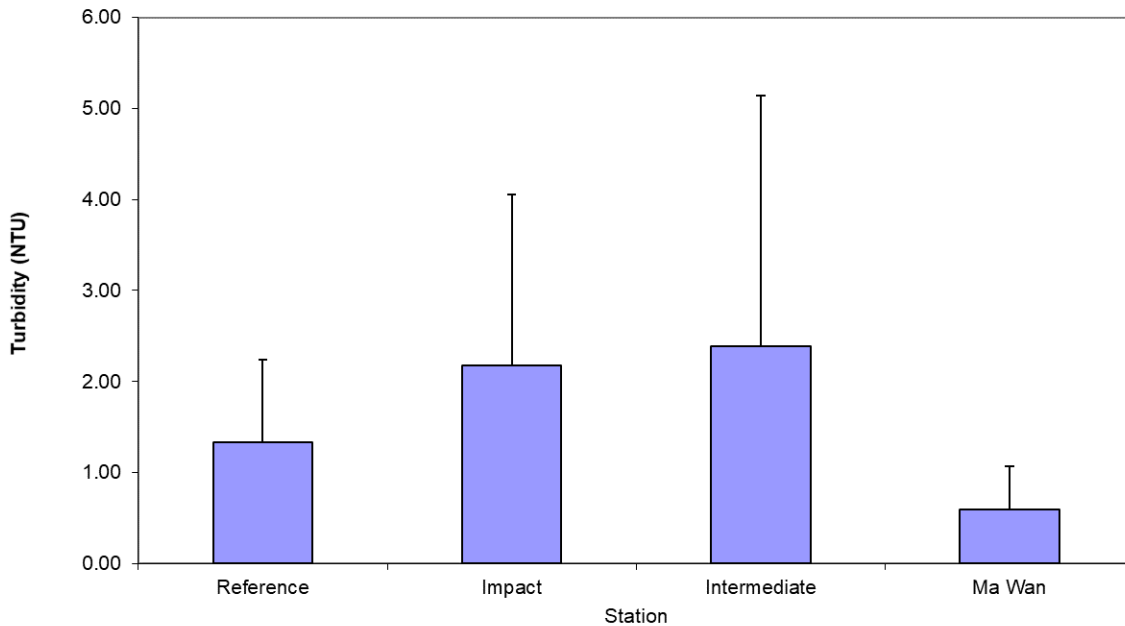


Figure 6: Levels of Turbidity (NTU; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

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**Routine Water Quality Monitoring for ESC CMP V  
February 2021**

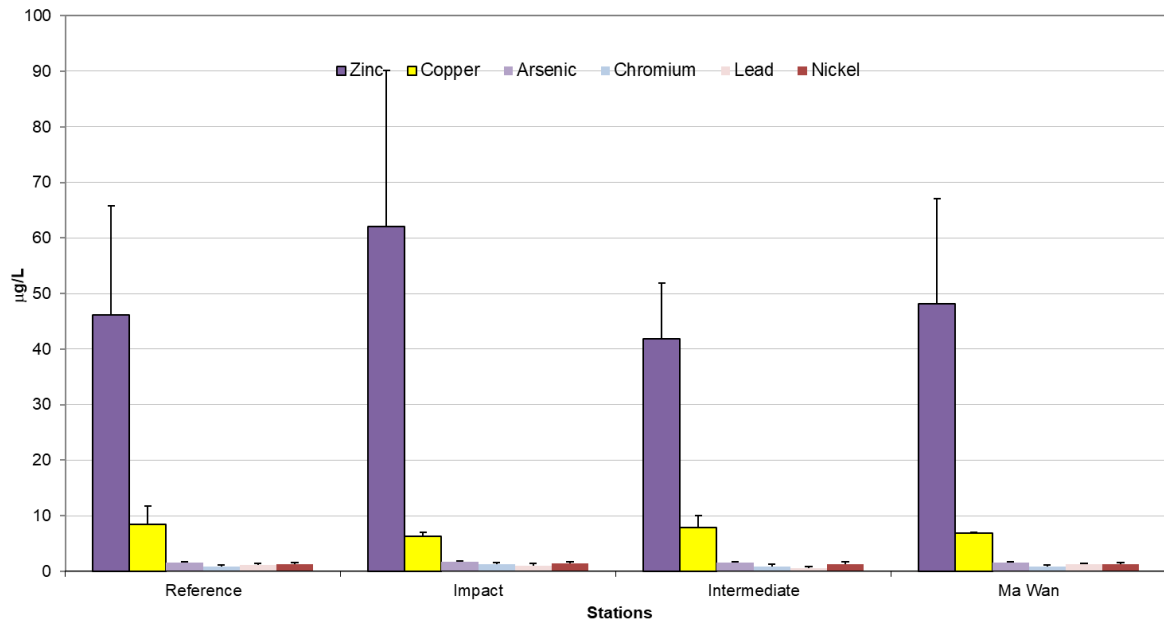


Figure 7: Concentration of Arsenic, Chromium, Copper, Lead, Nickel and Zinc ( $\mu\text{g/L}$ ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

**Routine Water Quality Monitoring Results for Nutrients  
February 2021**

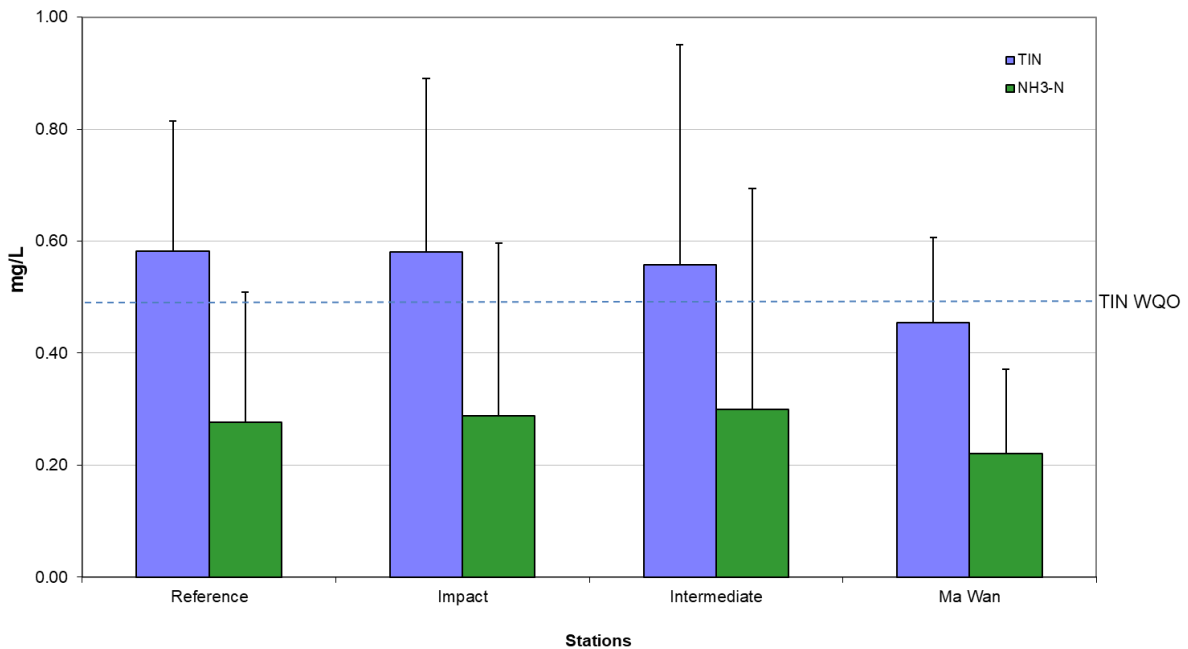


Figure 8: Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen ( $\text{NH}_3\text{-N}$ ) ( $\text{mg/L}$ ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

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

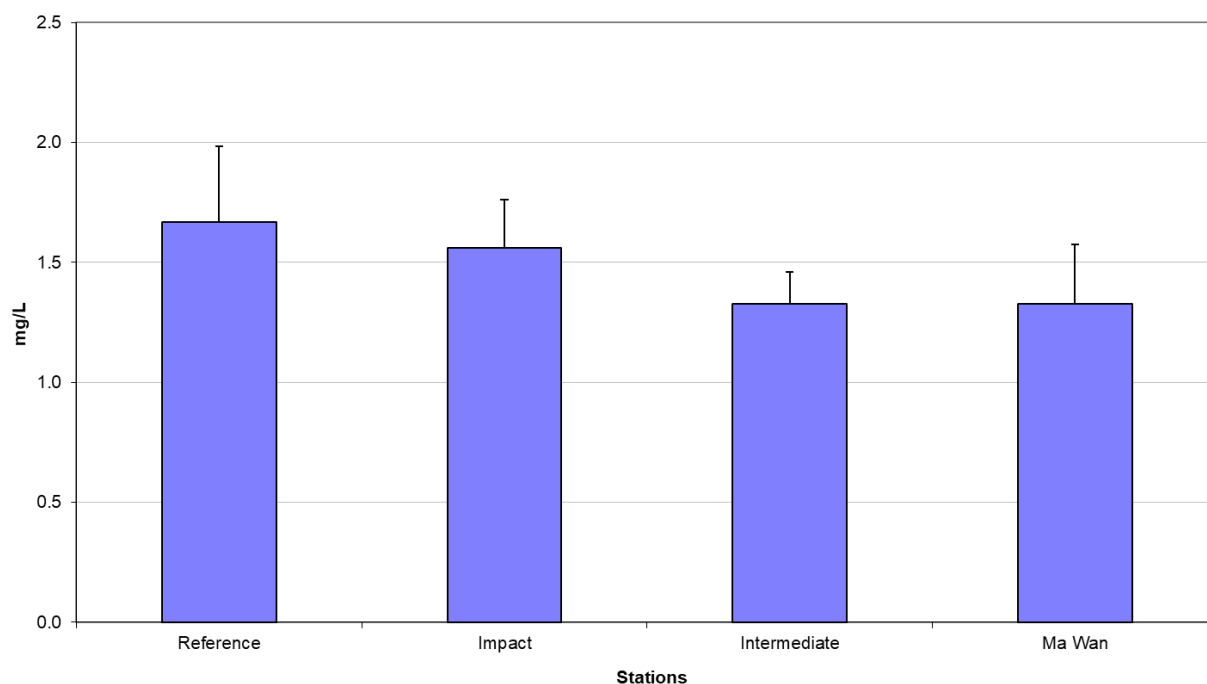


Figure 9: Level of Biochemical Oxygen Demand (BOD<sub>5</sub>) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

**Routine Water Quality Monitoring for Suspended Solids  
February 2021**

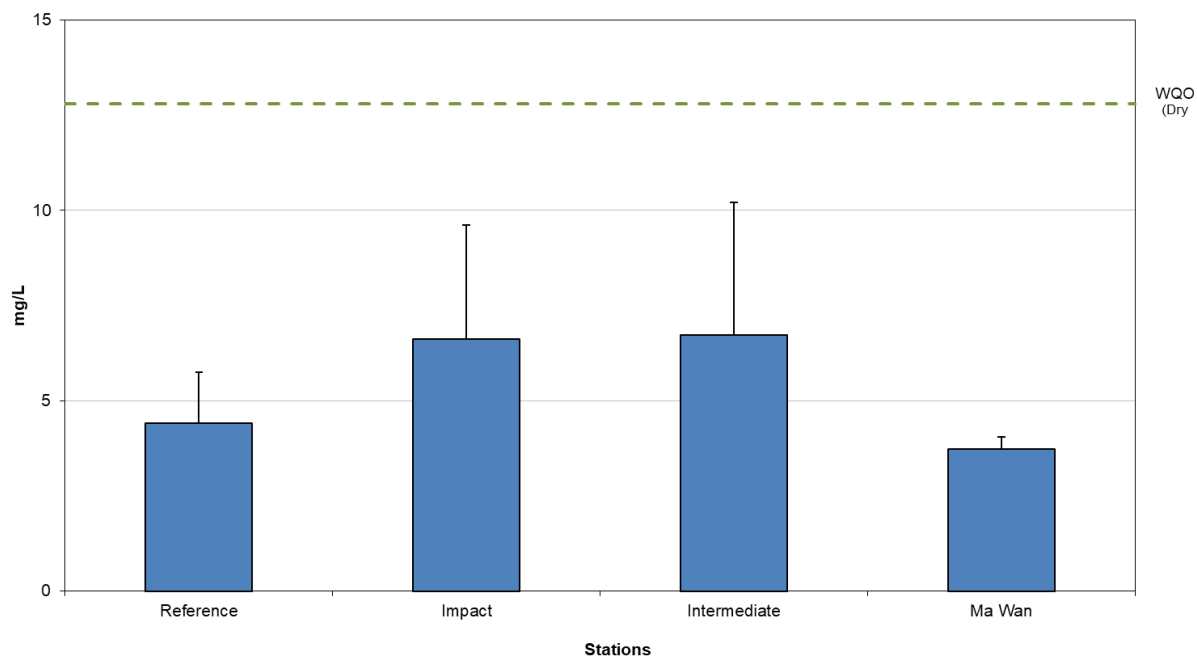


Figure 10: Concentration of Suspended Solids (SS) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2021.

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**Pit Specific Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMP Vb  
February 2021**

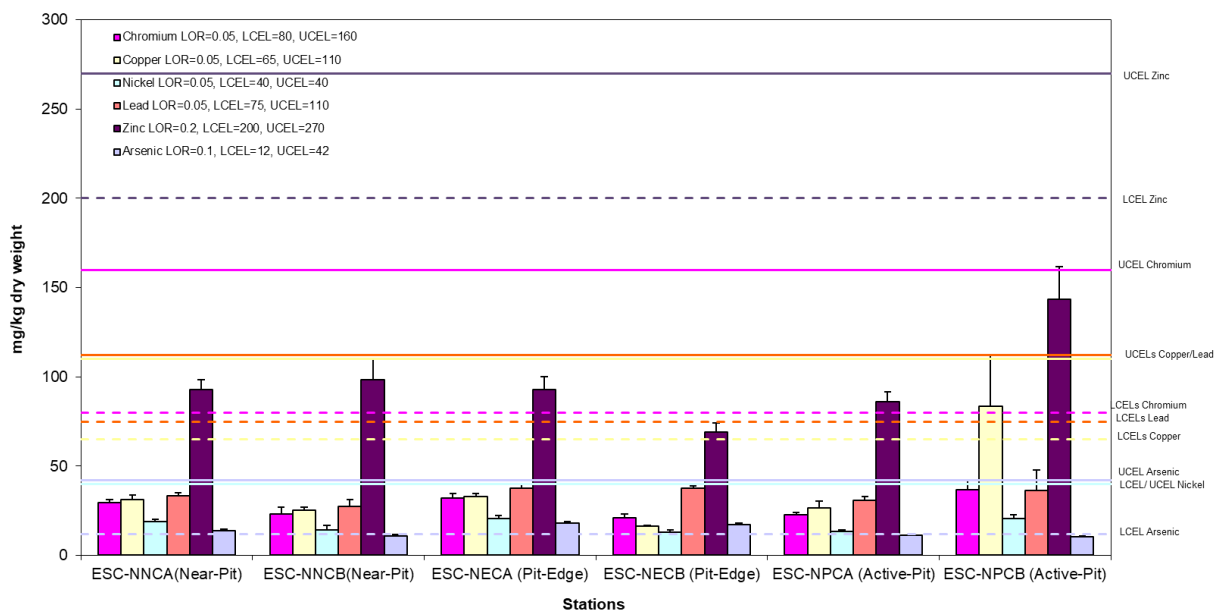


Figure 11: Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in February 2021.

**Pit Specific Sediment Chemistry for Metal Contaminants at ESC CMP Vb  
February 2021**

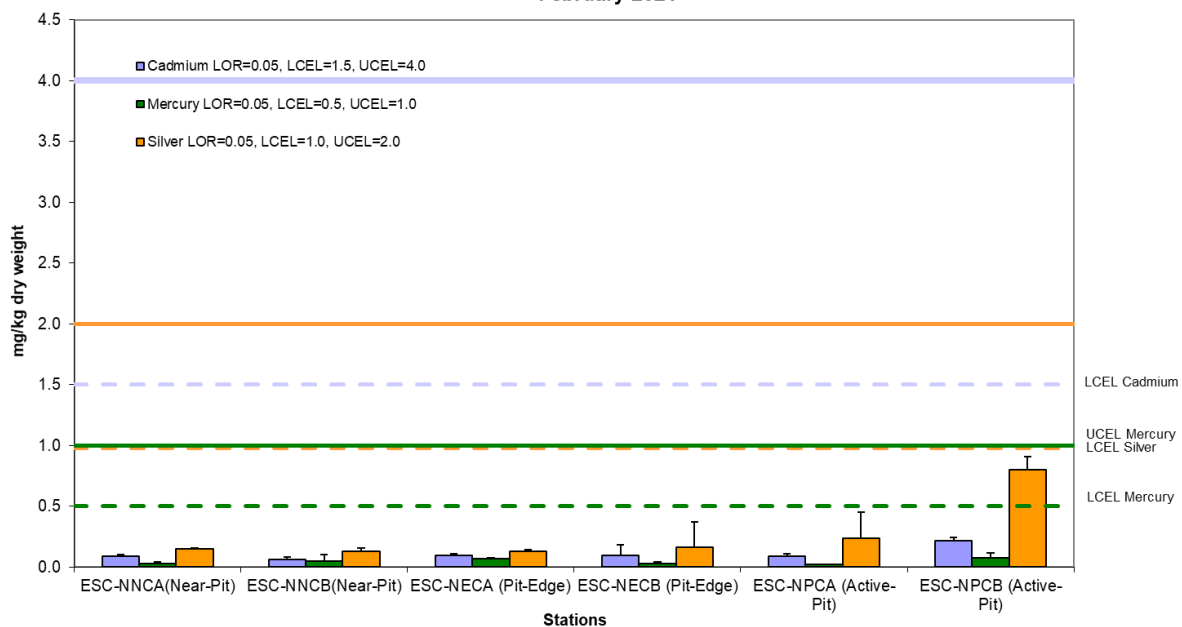


Figure 12: Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in February 2021.

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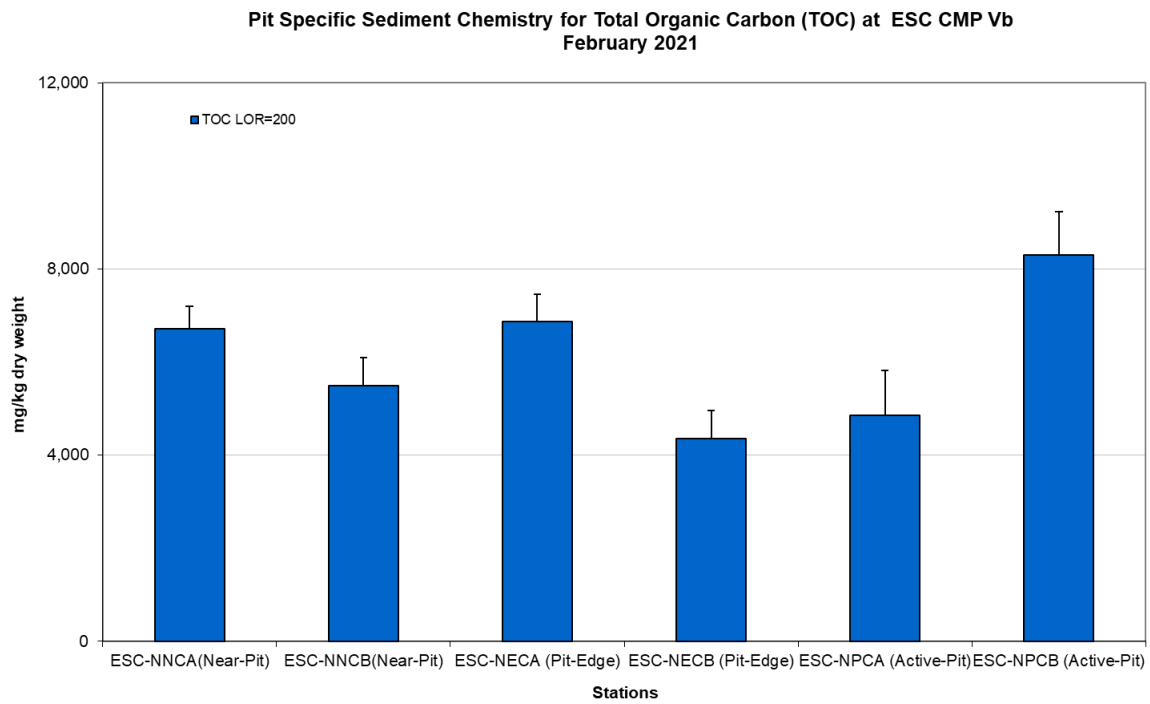


Figure 13: Concentration of Total Organic Carbon (TOC) (mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in February 2021.

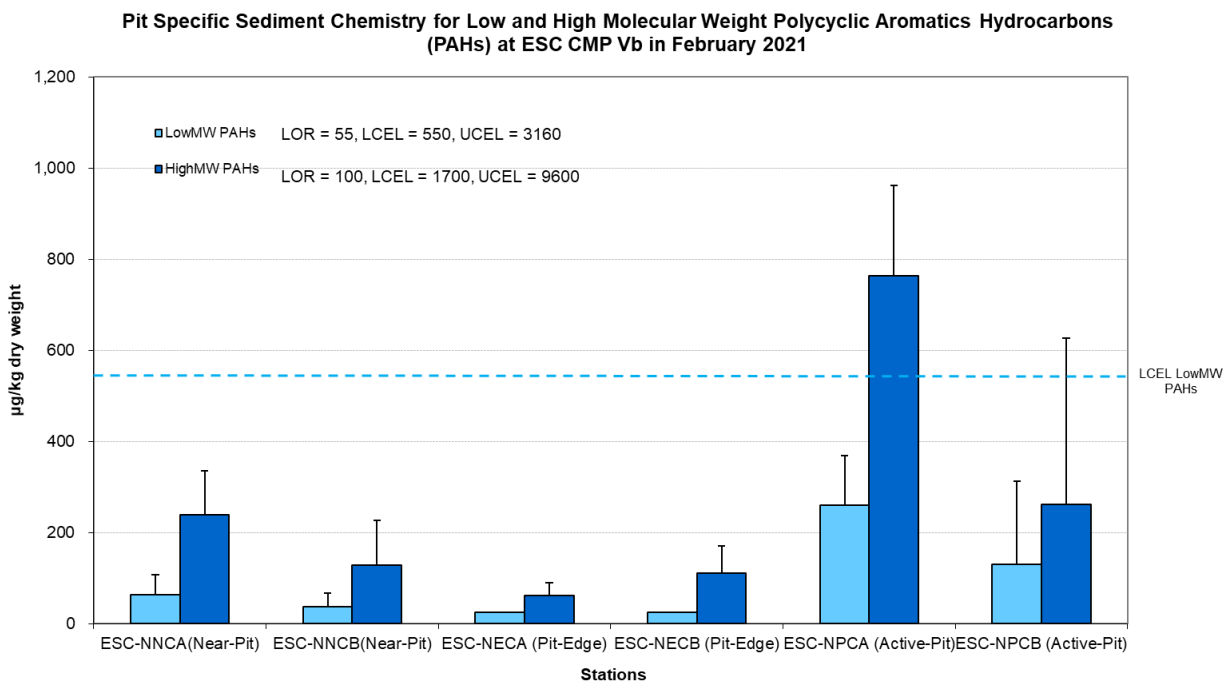


Figure 14: Concentration of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons (mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in February 2021.

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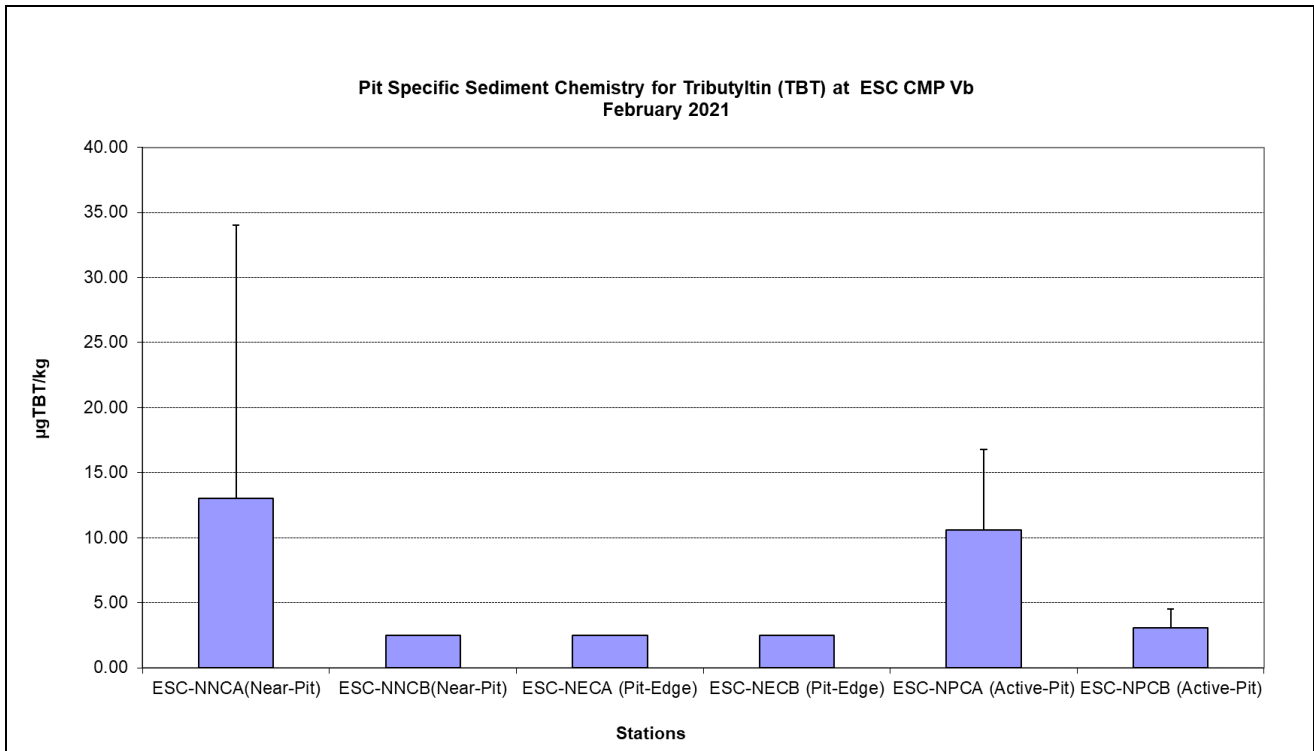


Figure 15: Concentration of Tributyltin (TBT) ( $\mu\text{g TBT/kg}$ ; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in February 2021.

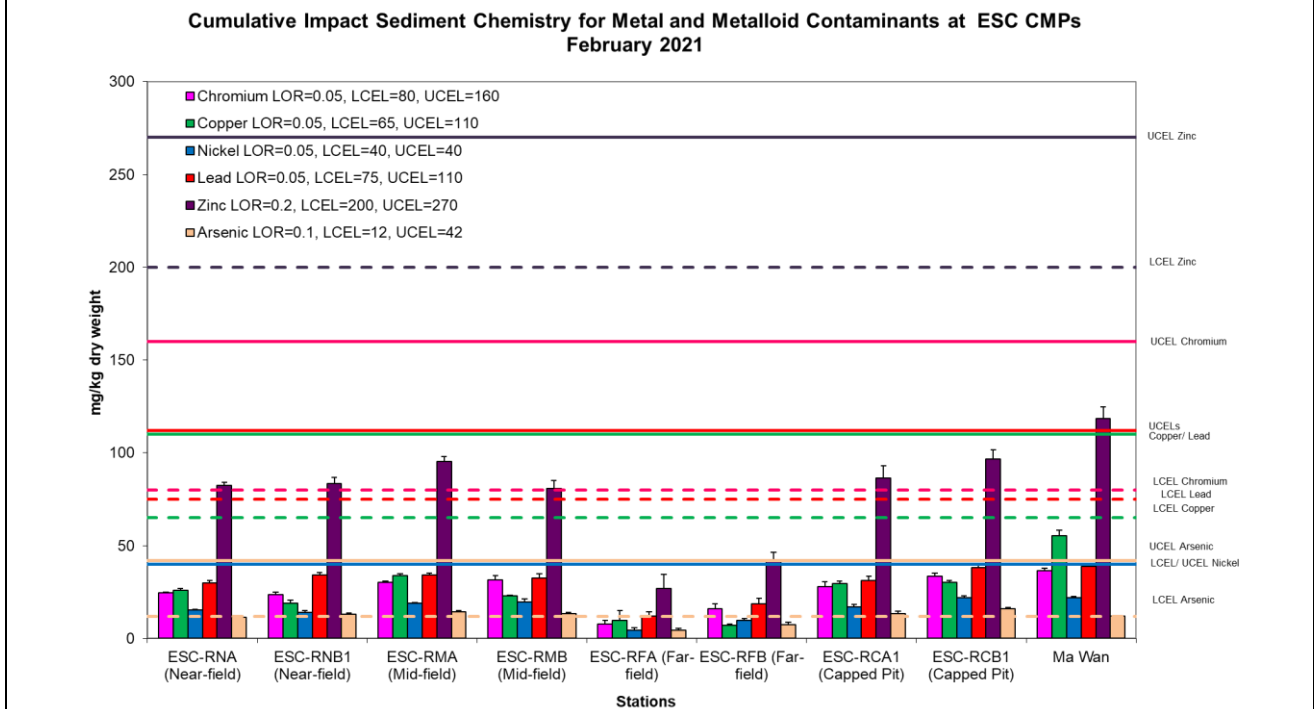


Figure 16: Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in February 2021.

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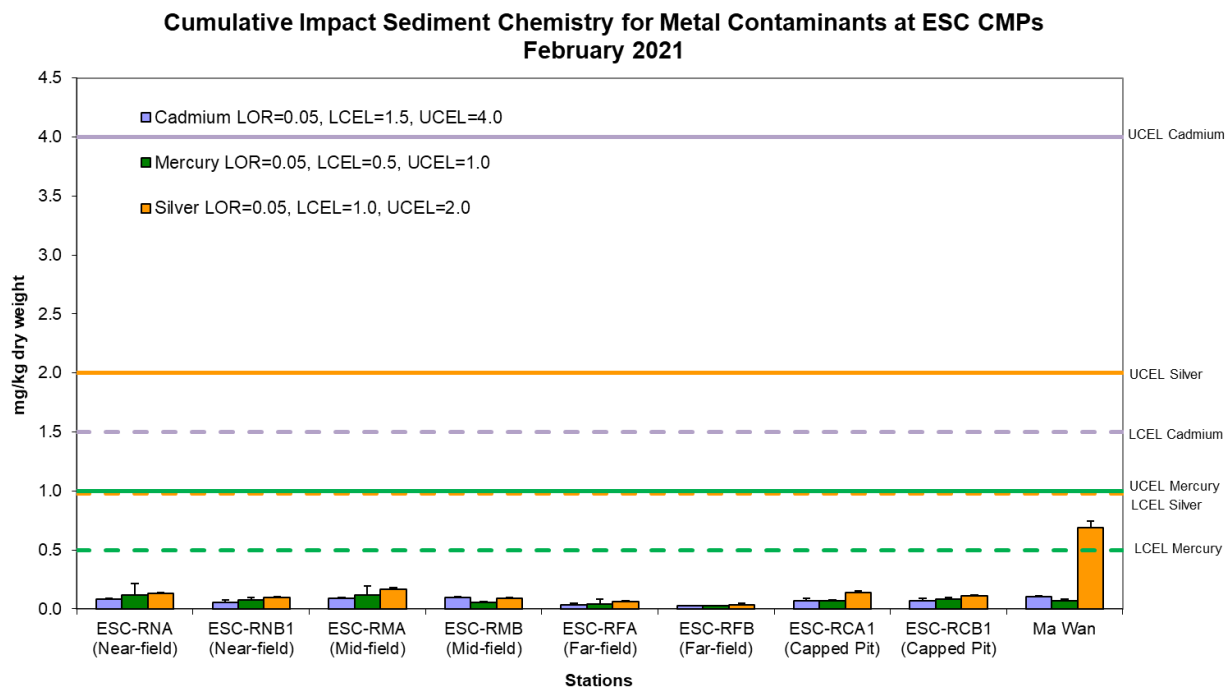


Figure 17: Concentration of Metals (Cd, Hg, Ag; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in February 2021.

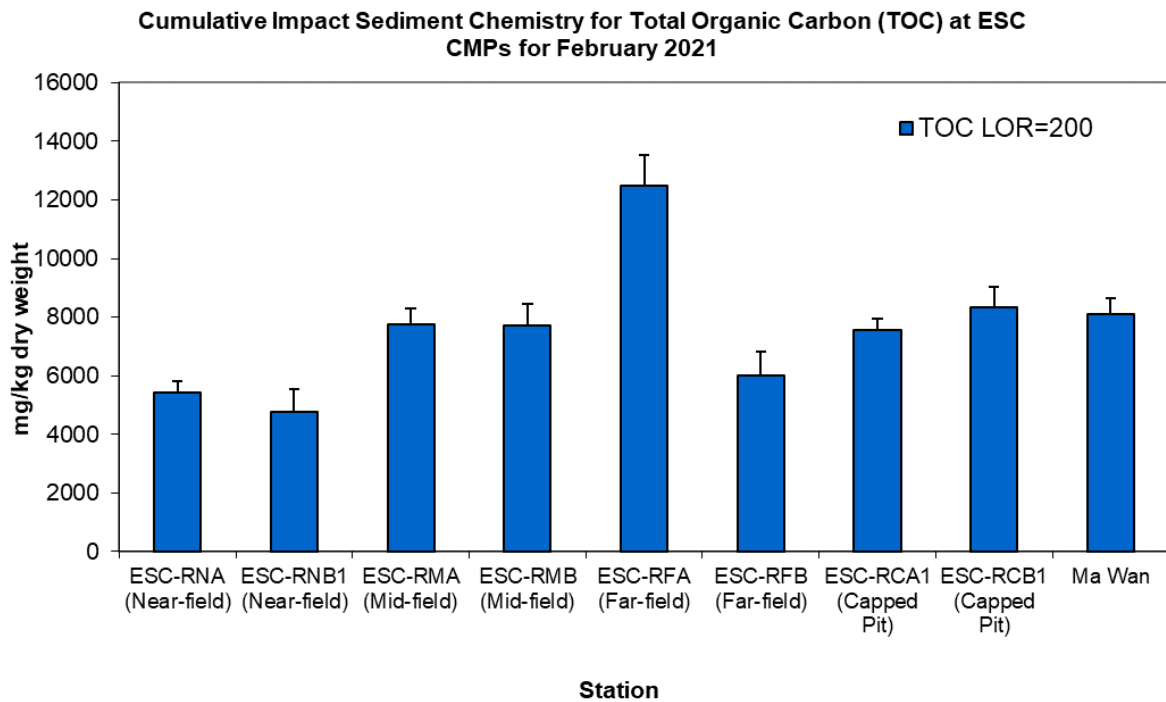


Figure 18: Concentration of Total Organic Carbon (TOC) (mg/kg dry weight; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in February 2021.

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**Cumulative Impact Sediment Chemistry for Tributyltin (TBTs)  
at ESC CMPs for February 2021**

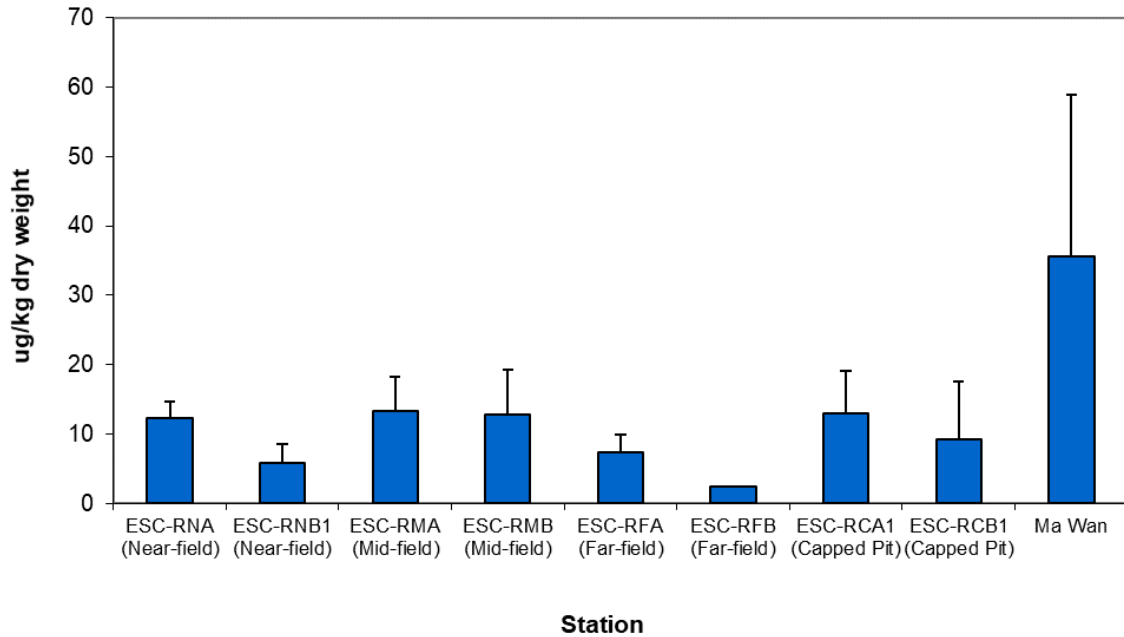


Figure 19: Concentration of Tributyltin (TBT) ( $\mu\text{g}/\text{kg}$  dry weight; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in February 2021.

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

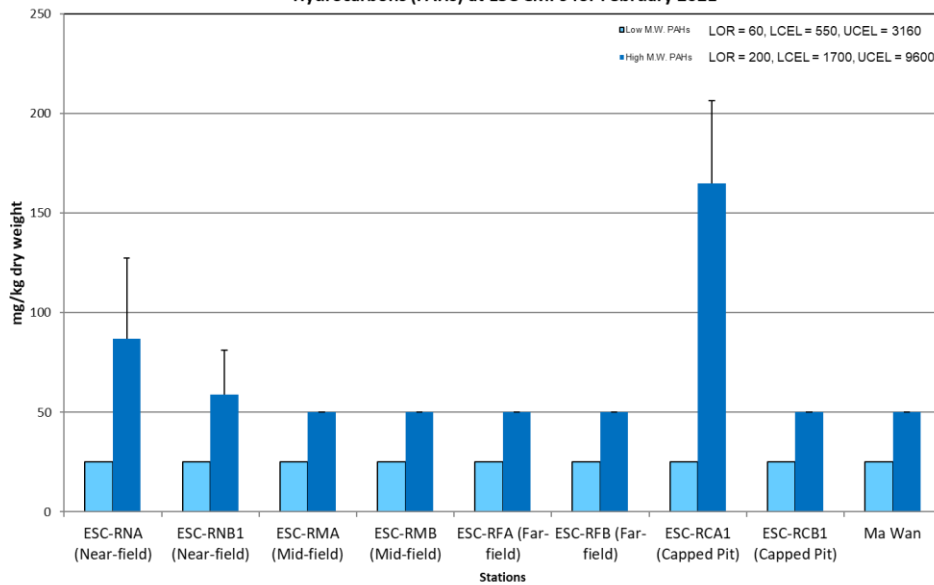


Figure 20: Concentration of Low and High Molecular Weight Polycyclic Aromatics ( $\text{mg}/\text{kg}$  dry weight; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in February 2021.

Source: P:\Projects\0400720 CEDD CMP EM&A 2017-2020\02 Deliverable\05 CMP Monthly Report\47 Monthly February 2021

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