

Annex C

Graphical Presentations

Routine Water Quality Monitoring for ESC CMP V - August 2020

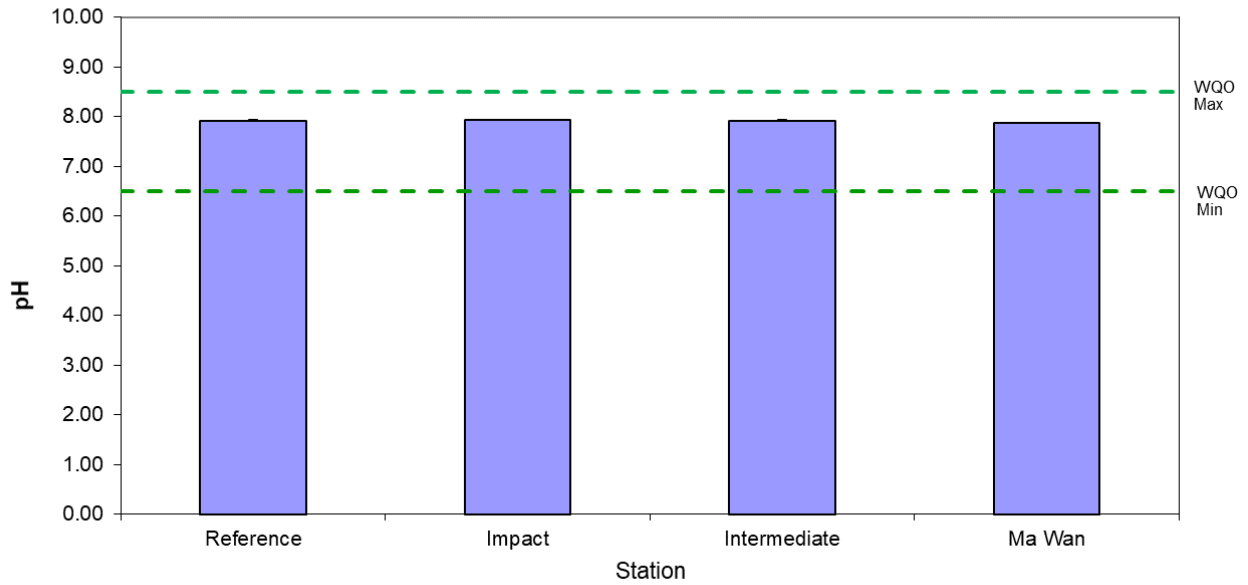


Figure 1: Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

Routine Water Quality Monitoring ESC CMP V - August 2020

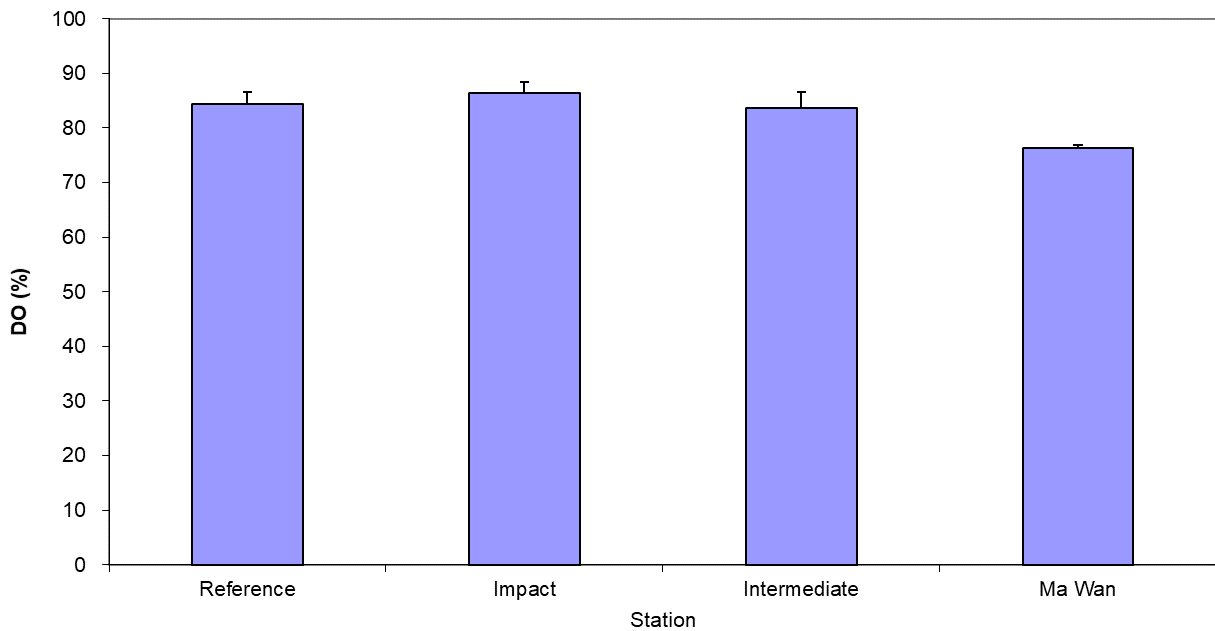


Figure 2: Level of Dissolved Oxygen (DO) (% saturation; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

Source: P:\Projects\0400720 CEDD CMP EM&A 2017-2020\02 Deliverable\05 CMP Monthly Report\41 Monthly August 2020

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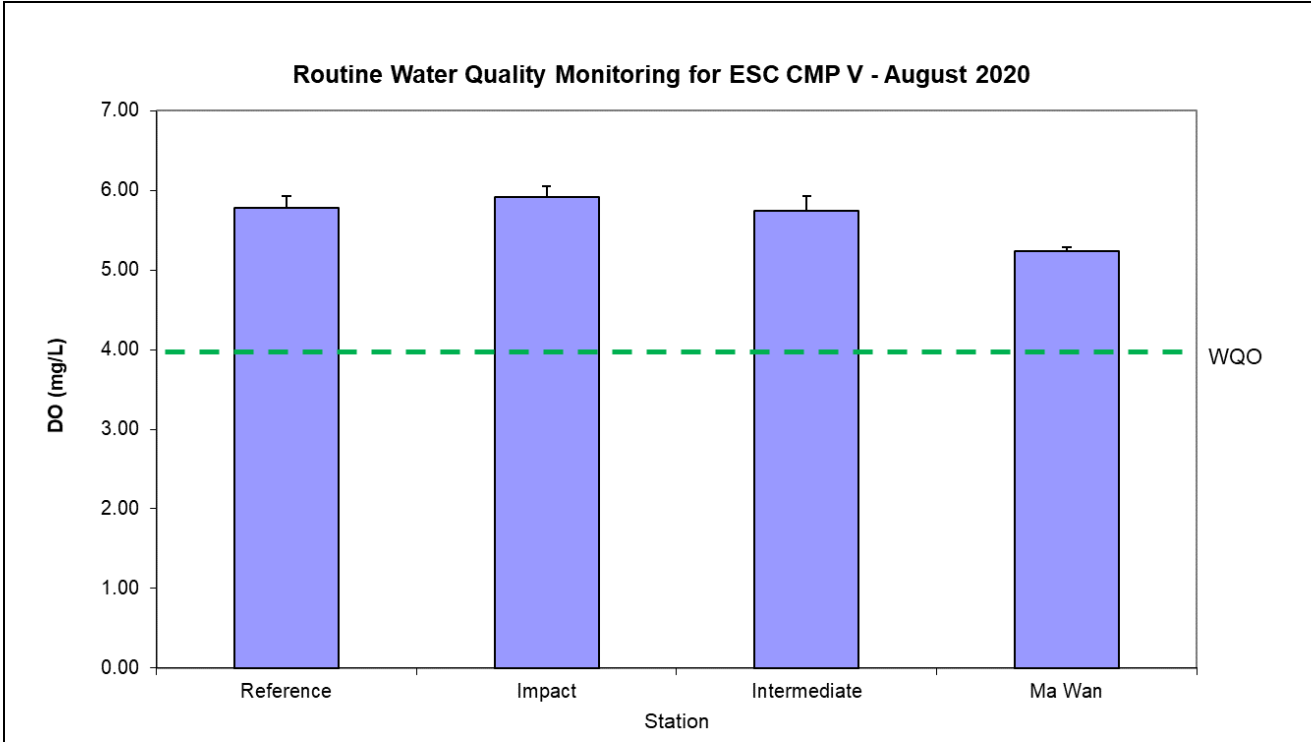


Figure 3: Concentration of Dissolved Oxygen (DO) (mg/L; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

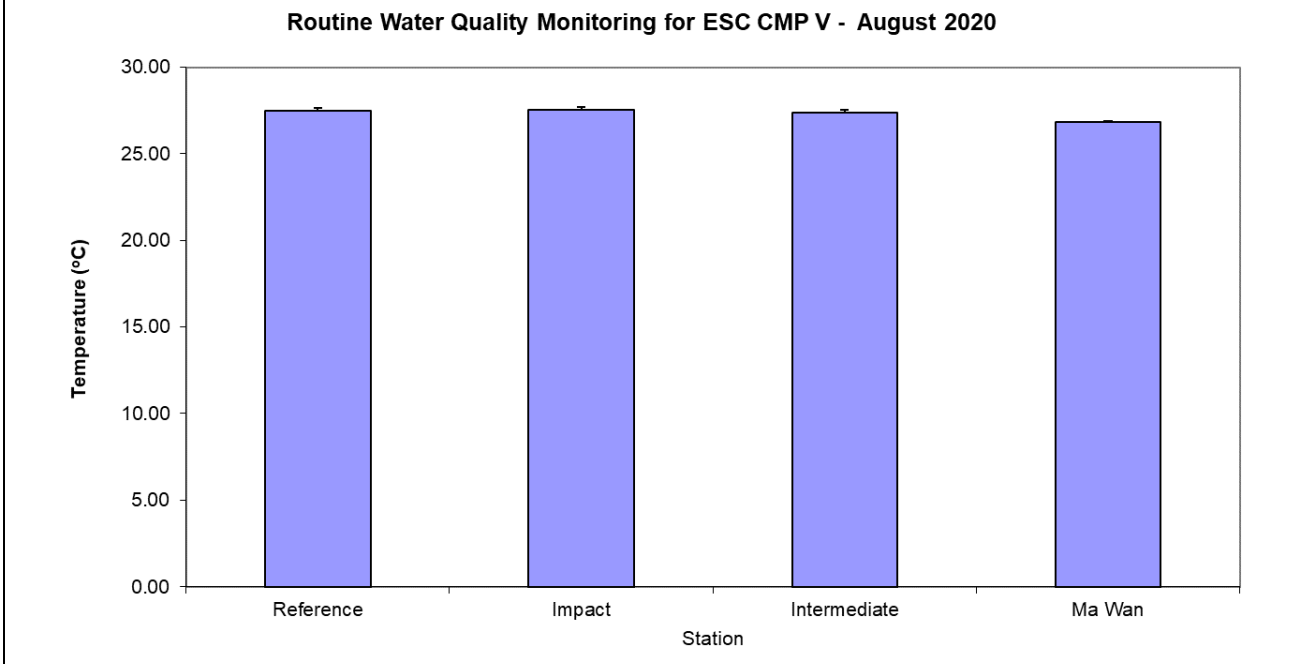


Figure 4: Level of Temperature (°C; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

Routine Water Quality Monitoring for ESC CMP V - August 2020

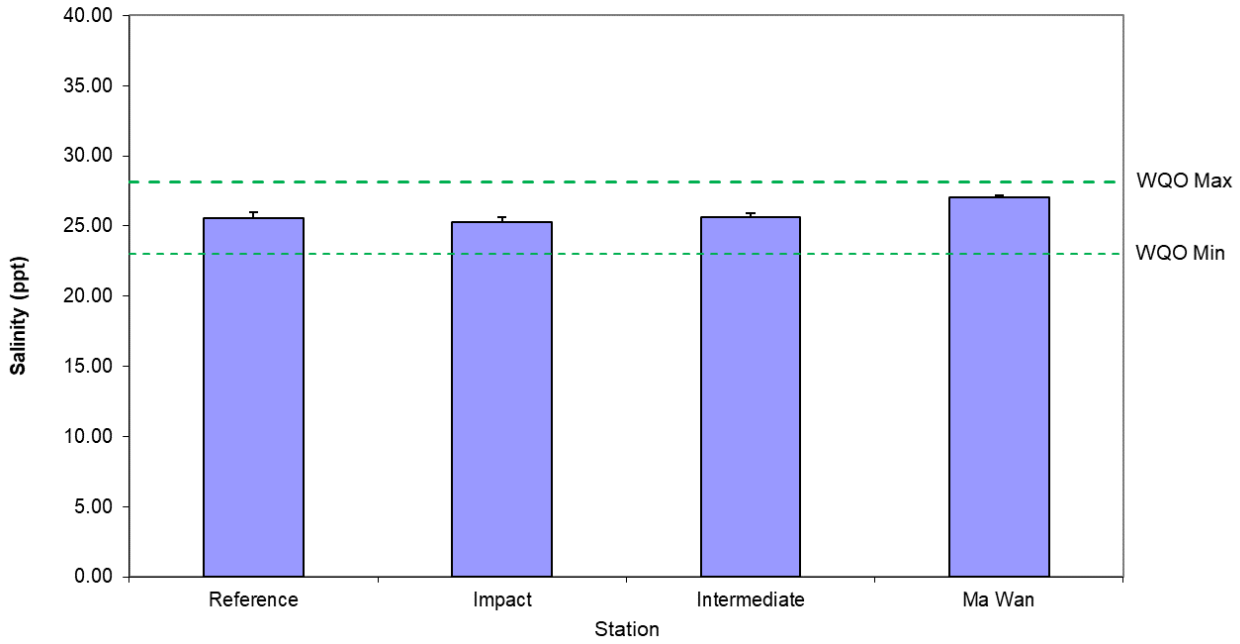


Figure 5: Level of Salinity (ppt; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

Routine Water Quality Monitoring for ESC CMP V - August 2020

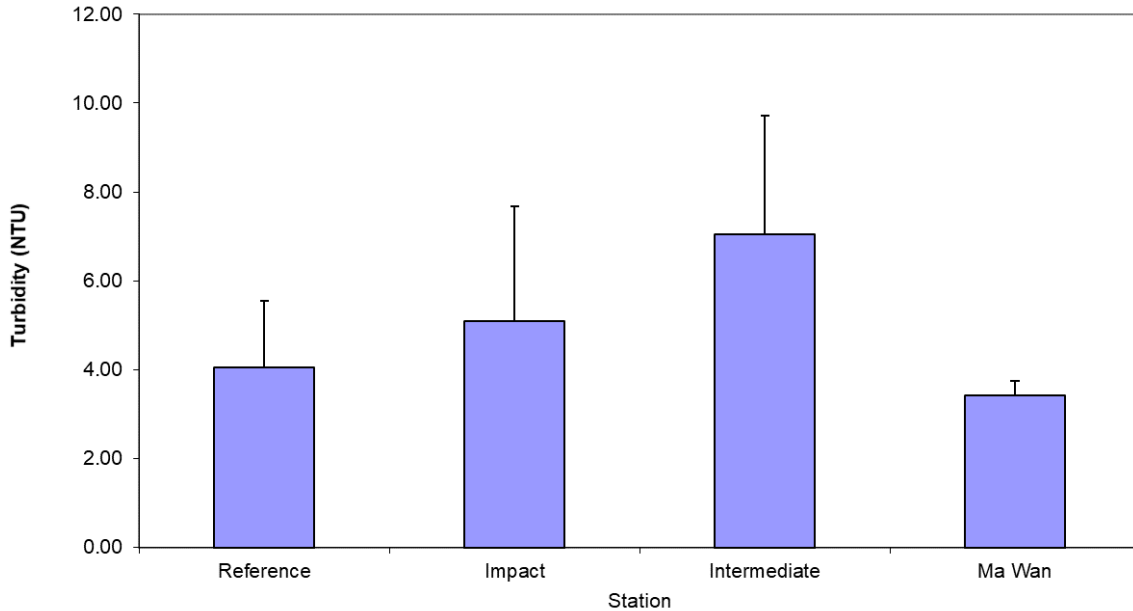


Figure 6: Levels of Turbidity (NTU; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

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**Routine Water Quality Monitoring for ESC CMP V
August 2020**

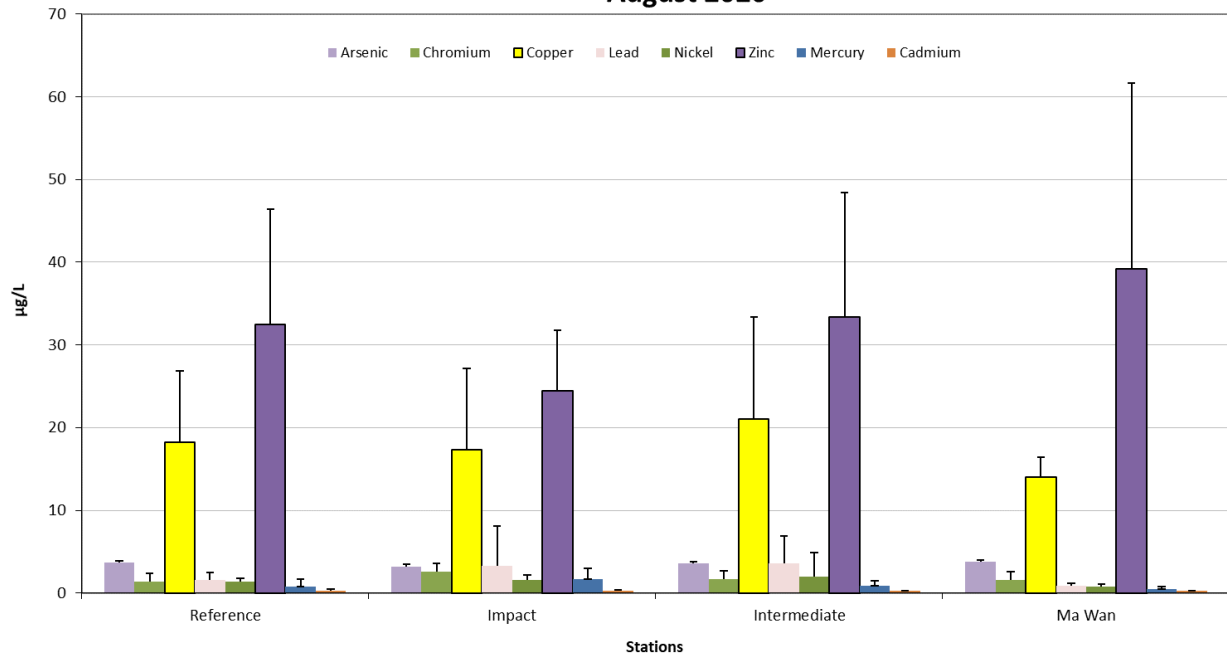


Figure 7: Concentration of Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc ($\mu\text{g/L}$; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

**Routine Water Quality Monitoring Results for Nutrients
August 2020**

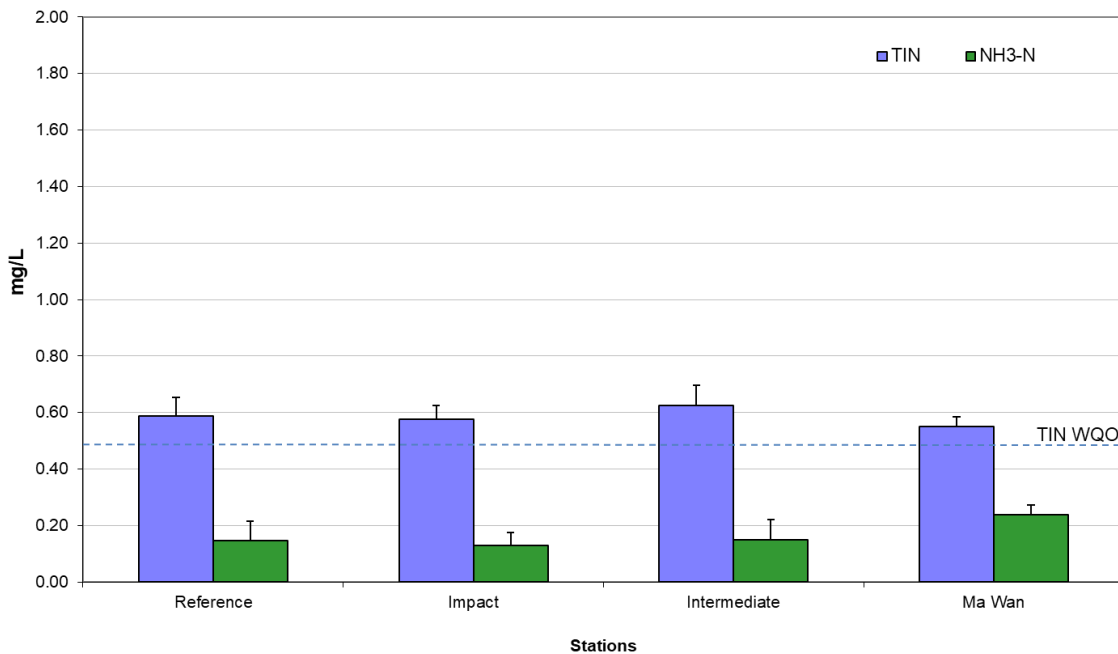


Figure 8: Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen ($\text{NH}_3\text{-N}$) (mg/L ; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

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**Routine Water Quality Monitoring Results for Biochemical Oxygen Demand (BOD₅)
August 2020**

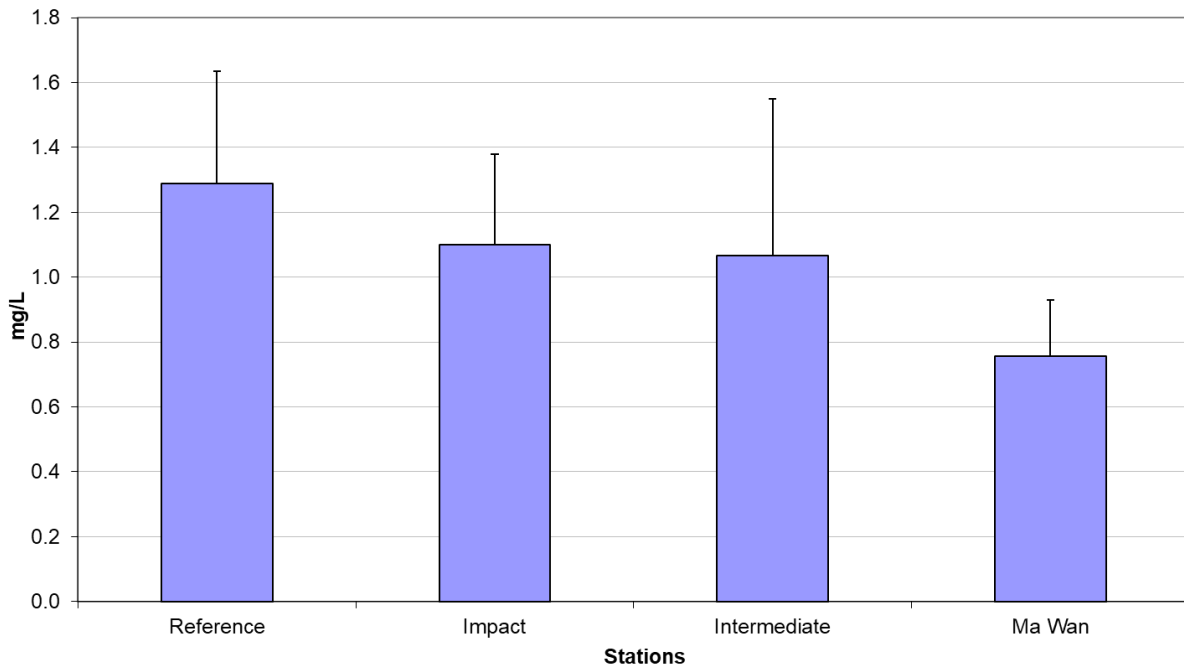


Figure 9: Level of Biochemical Oxygen Demand (BOD₅) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

**Routine Water Quality Monitoring for Suspended Solids
August 2020**

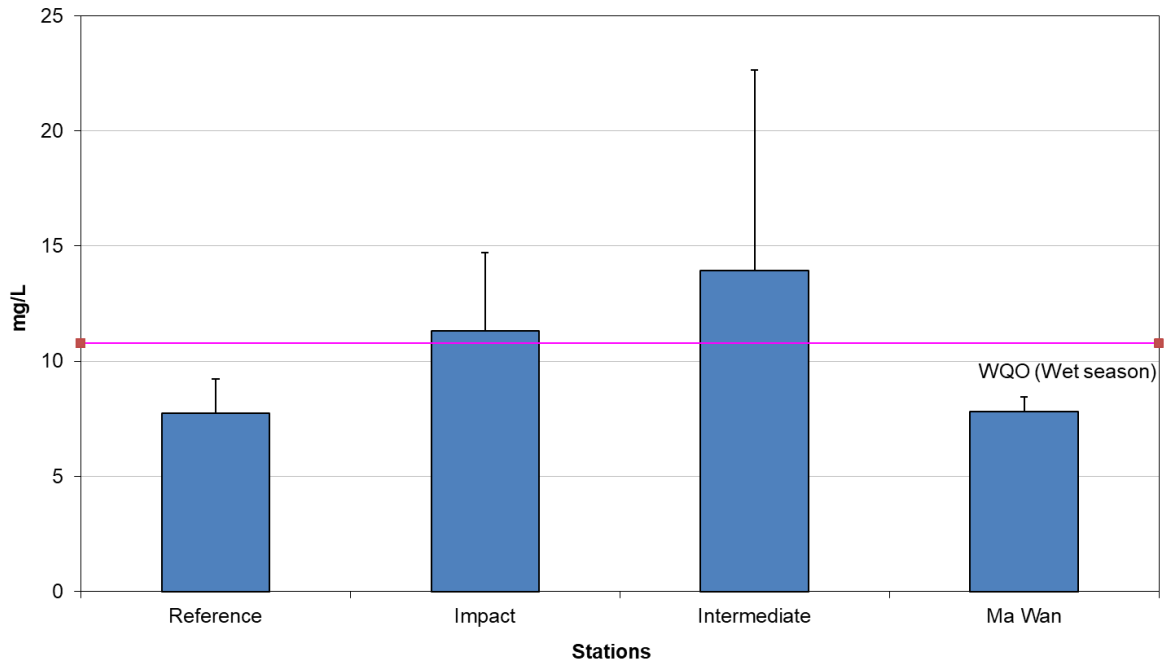


Figure 10: Concentration of Suspended Solids (SS) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in August 2020.

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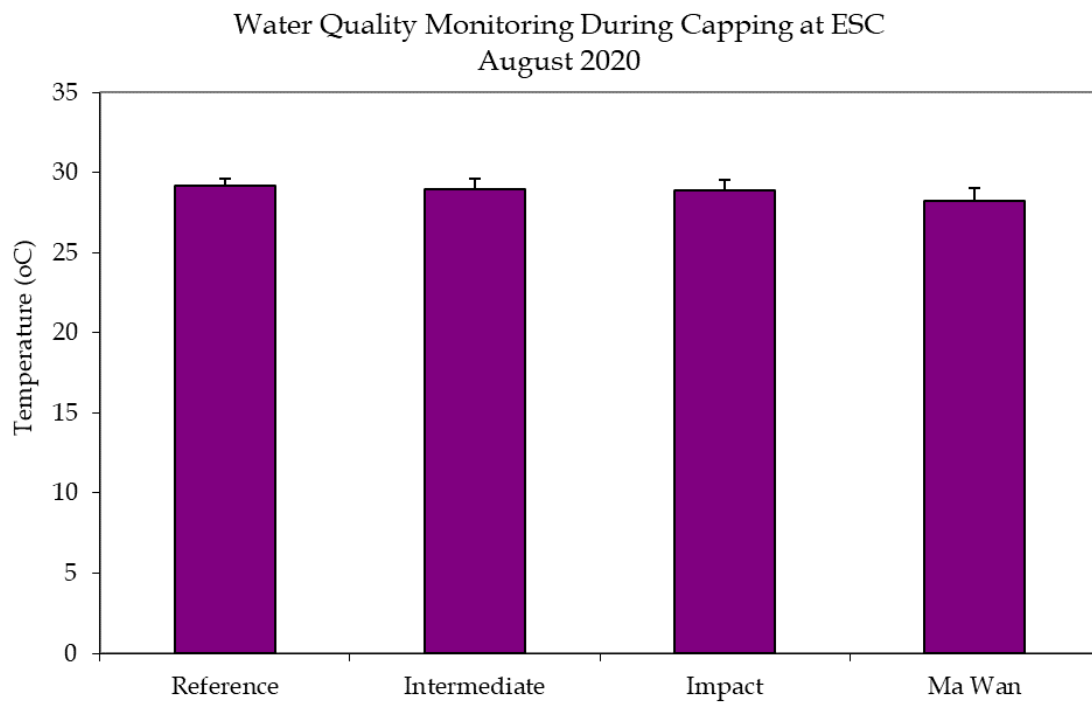


Figure 11: Levels of Temperature (°C; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2020.

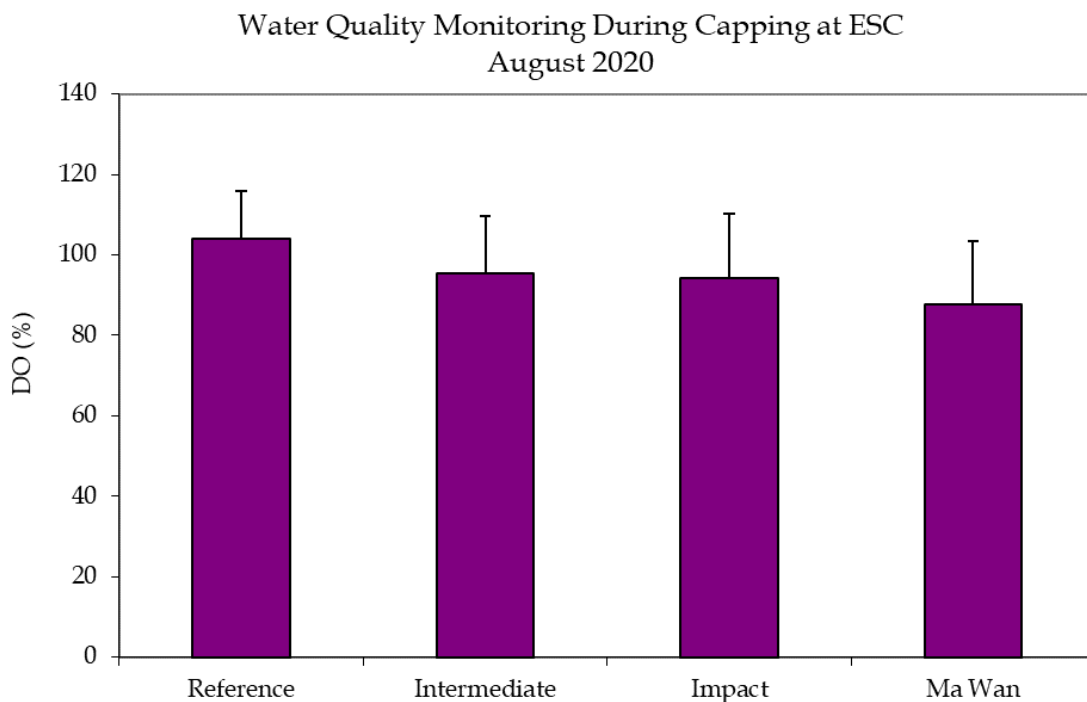


Figure 12: Levels of Dissolved Oxygen (% saturation; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2020

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Water Quality Monitoring During Capping at ESC
August 2020

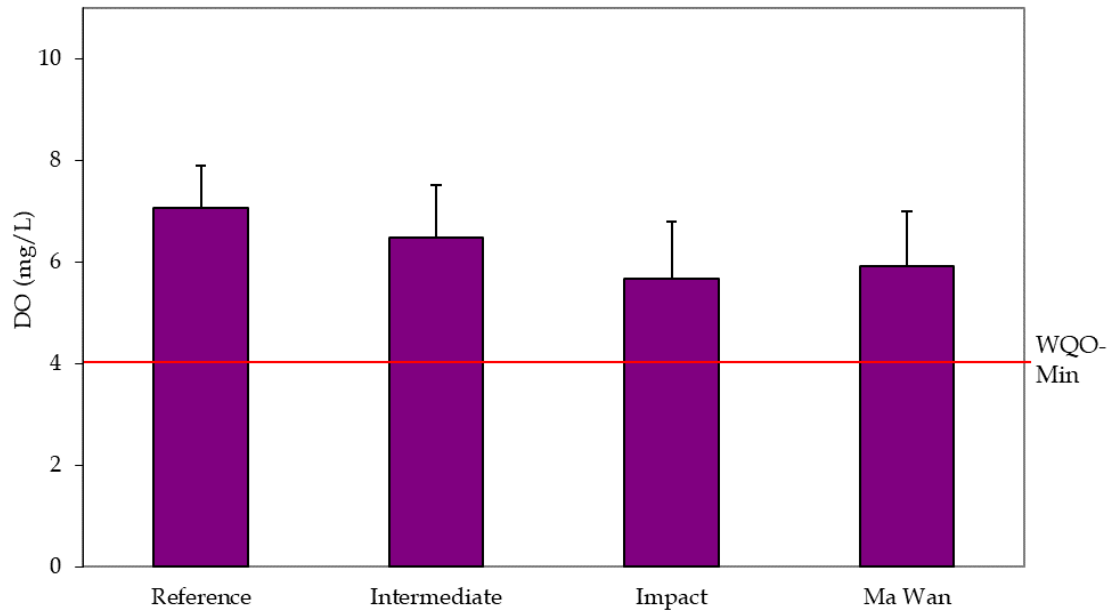


Figure 13: Levels of Dissolved Oxygen (% saturation; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2020

Water Quality Monitoring During Capping at ESC
August 2020

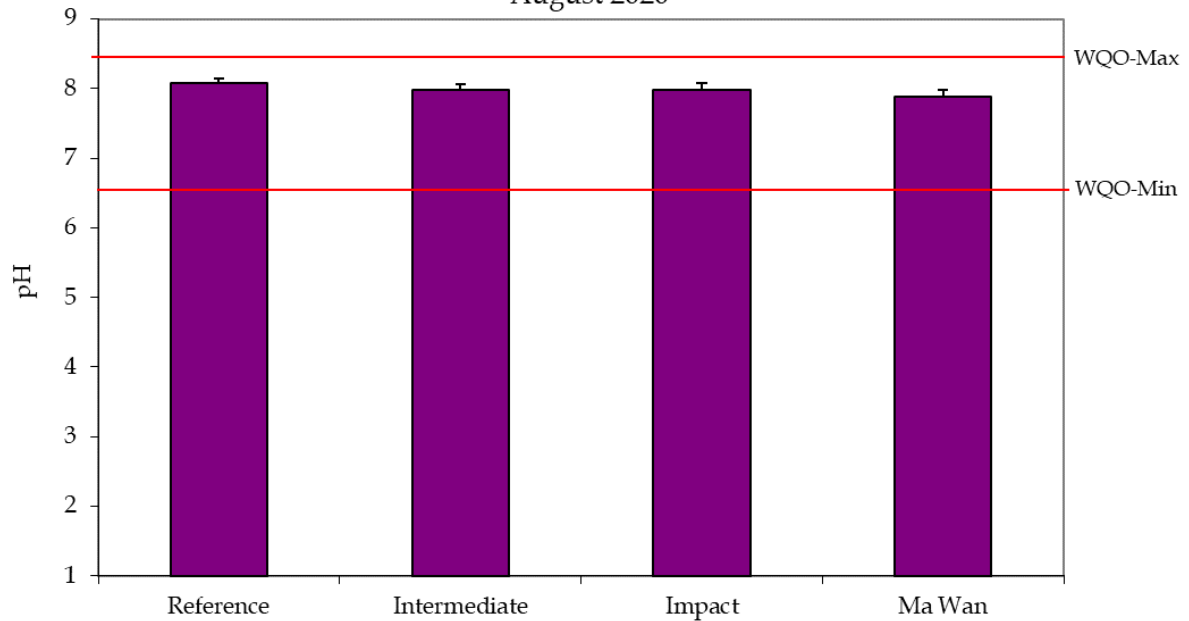


Figure 14: Levels of pH (mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2020.

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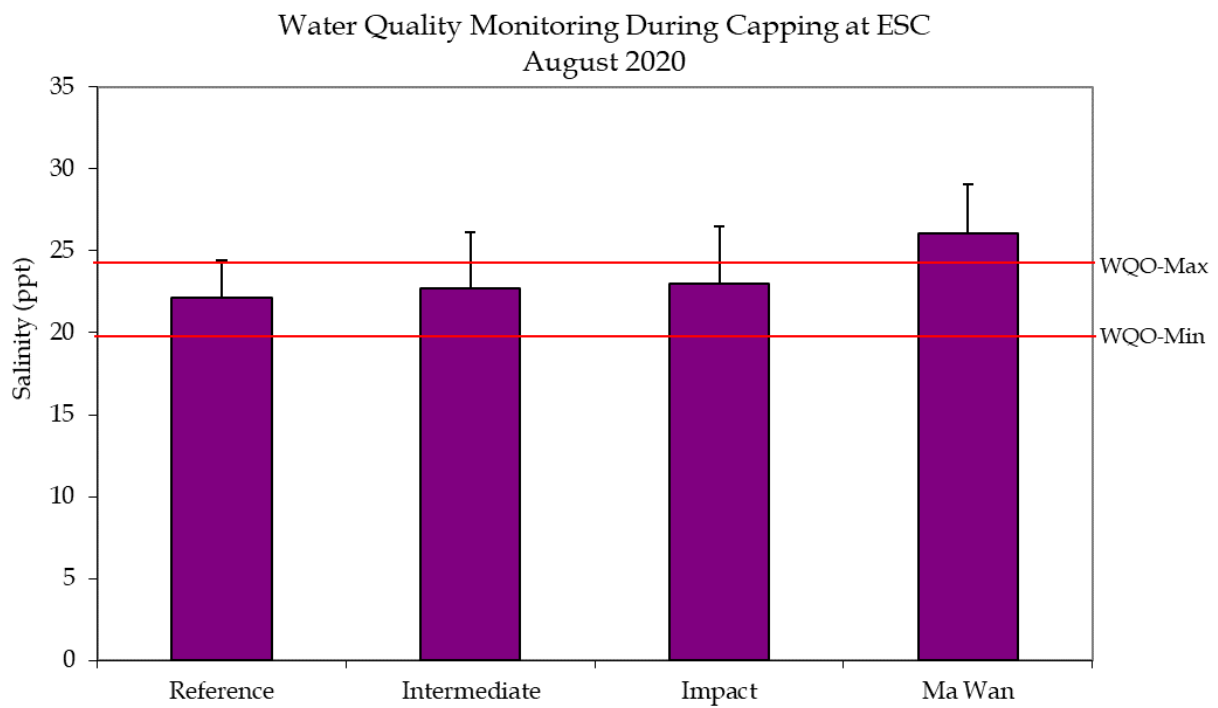


Figure 15: Levels of Salinity (ppt; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2020.

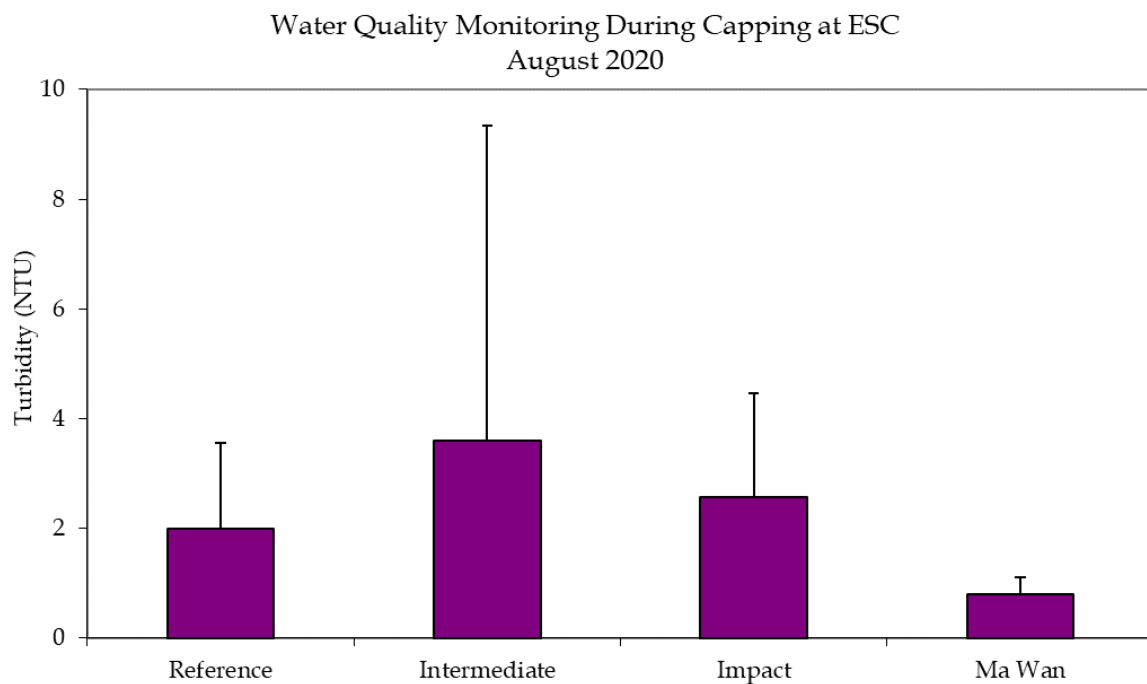


Figure 16: Levels of Turbidity (NTU; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2020.

Water Quality Monitoring During Capping at ESC
August 2020

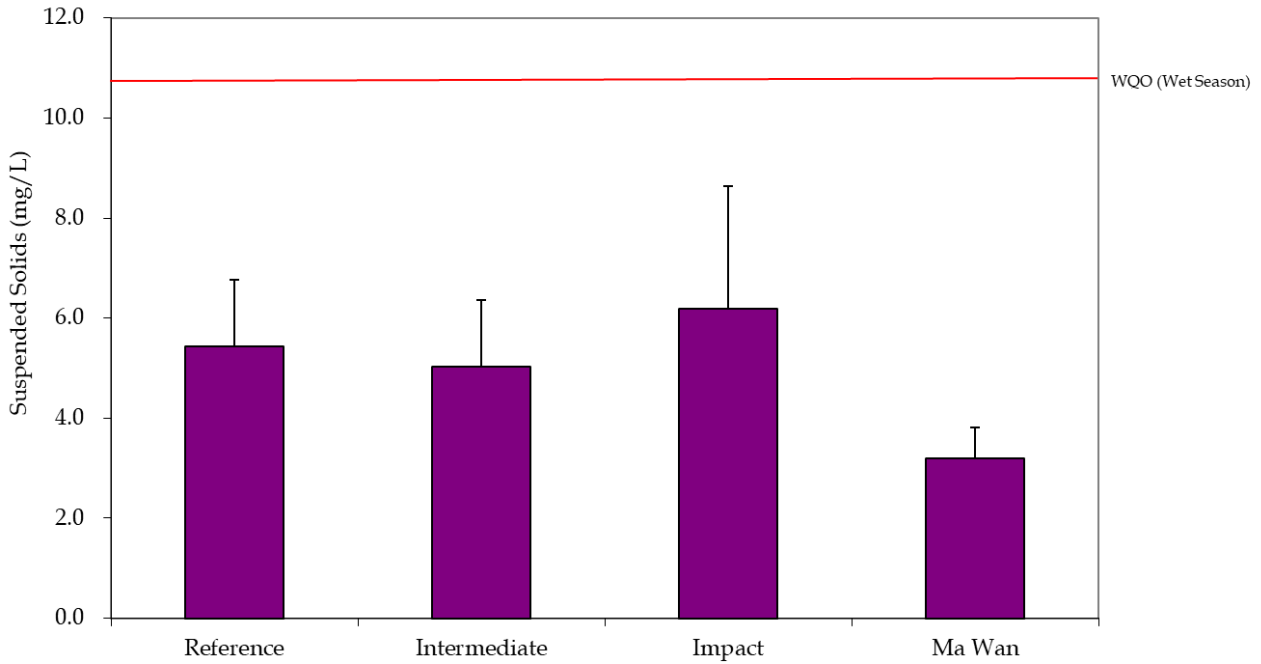


Figure 17: Levels of Suspended Solids (mg/L; mean +SD) recorded from Water Quality Monitoring during Capping of ESC CMPs in August 2020.

Pit Specific Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMP Vb
August 2020

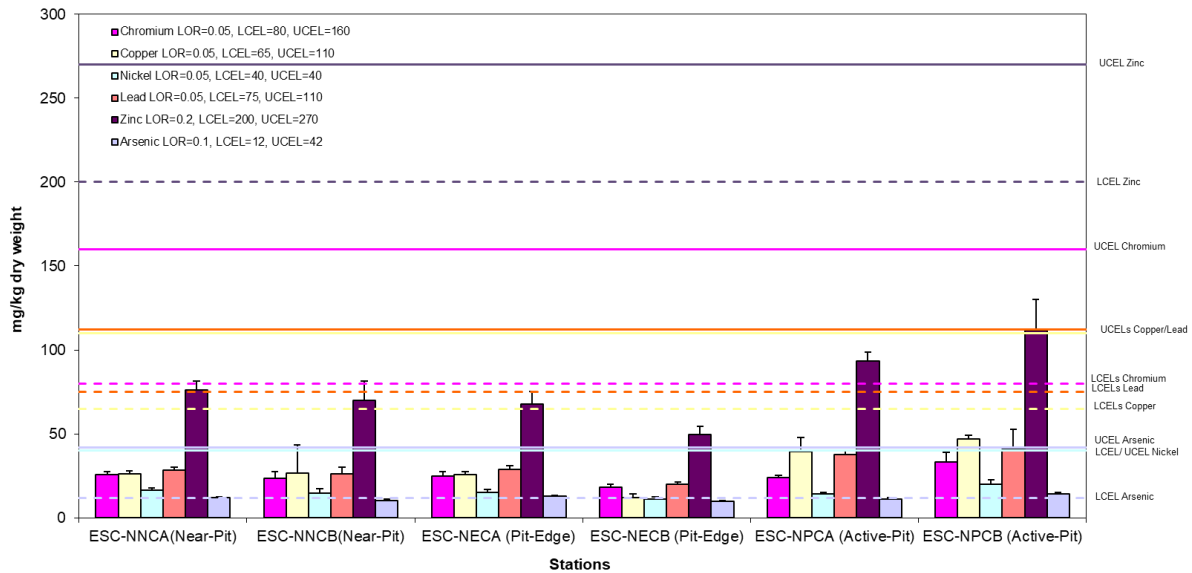


Figure 18: Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2020.

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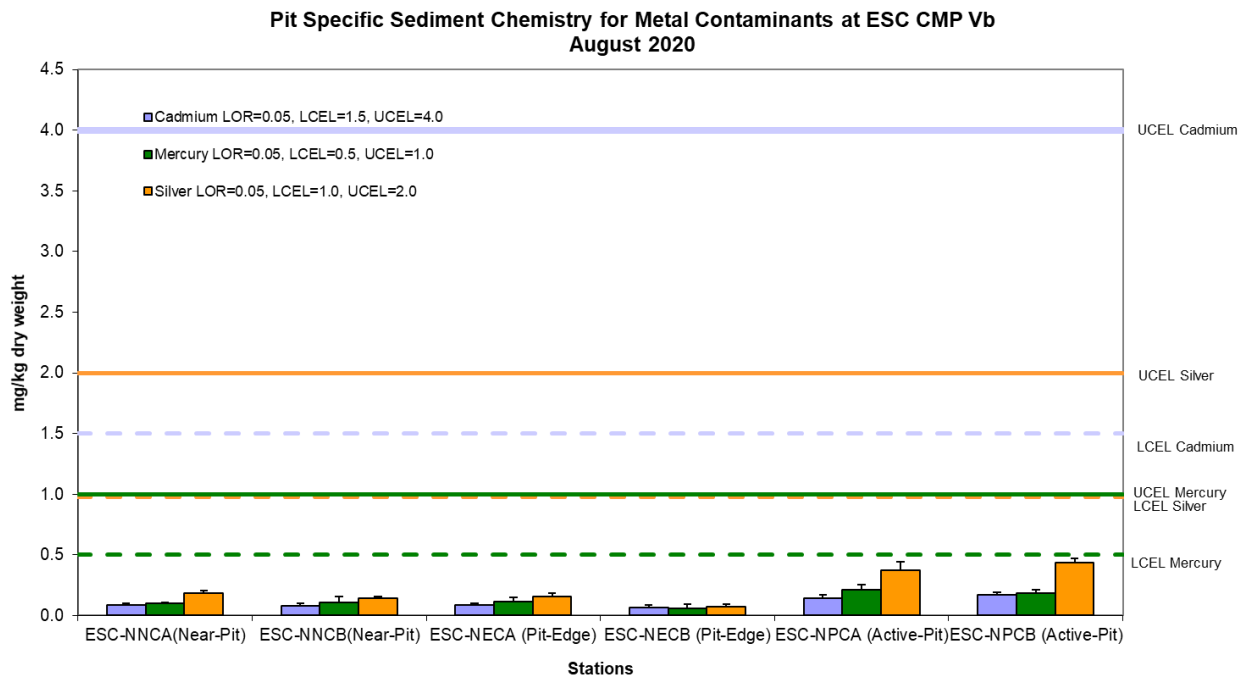


Figure 19: Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2020.

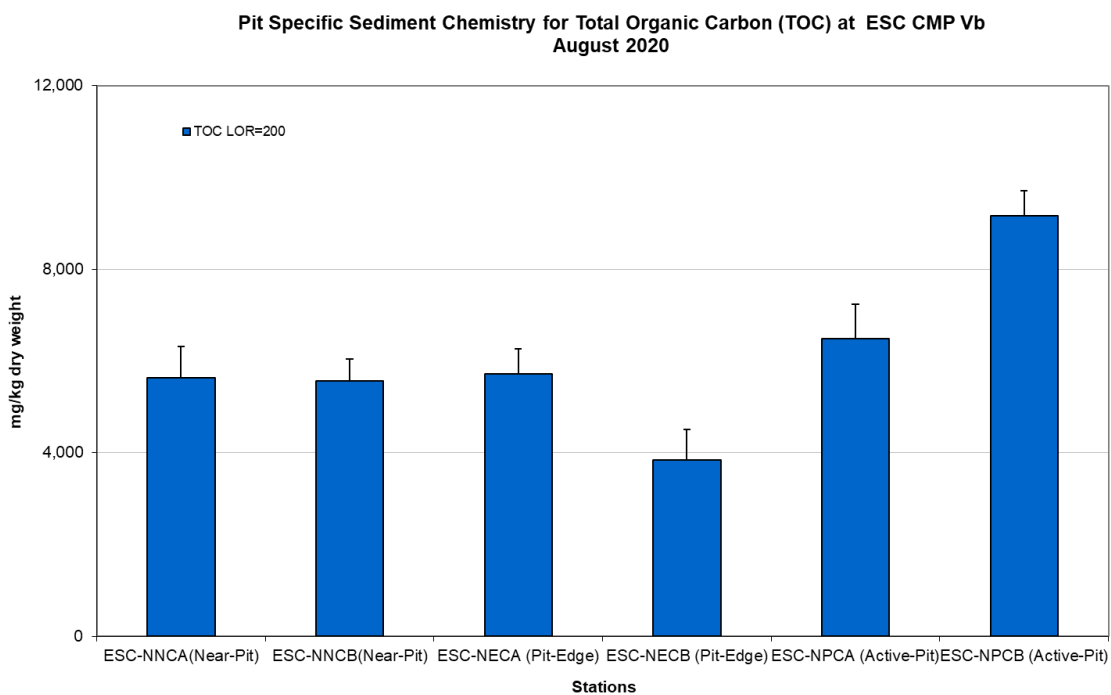


Figure 20: Concentration of Total Organic Carbon (TOC) (mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2020.

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Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at ESC CMP Vb in August 2020

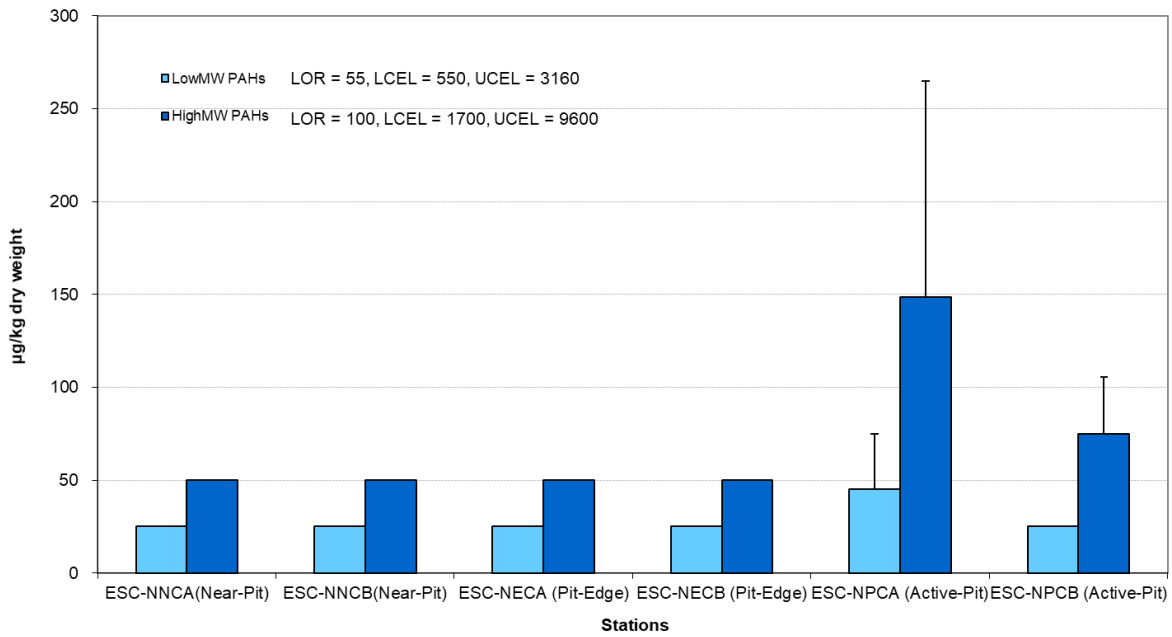


Figure 21: Concentration of Low and High Molecular Weight Polycyclic Aromatics (mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2020.

Pit Specific Sediment Chemistry for Tributyltin (TBT) at ESC CMP Vb August 2020

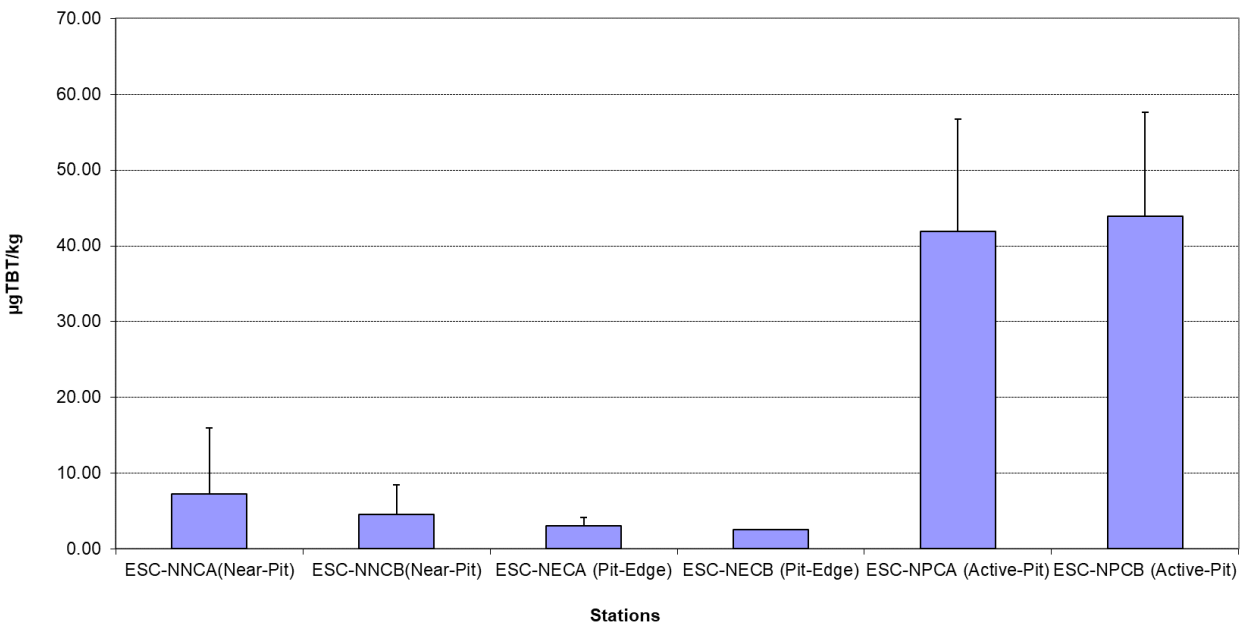


Figure 22: Concentration of Tributyltin (TBT) (µg/kg dry weight; mean +SD) in sediment samples collected Pit Specific Sediment Chemistry Monitoring for ESC CMP Vb in August 2020.

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**Cumulative Impact Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMPs
August 2020**

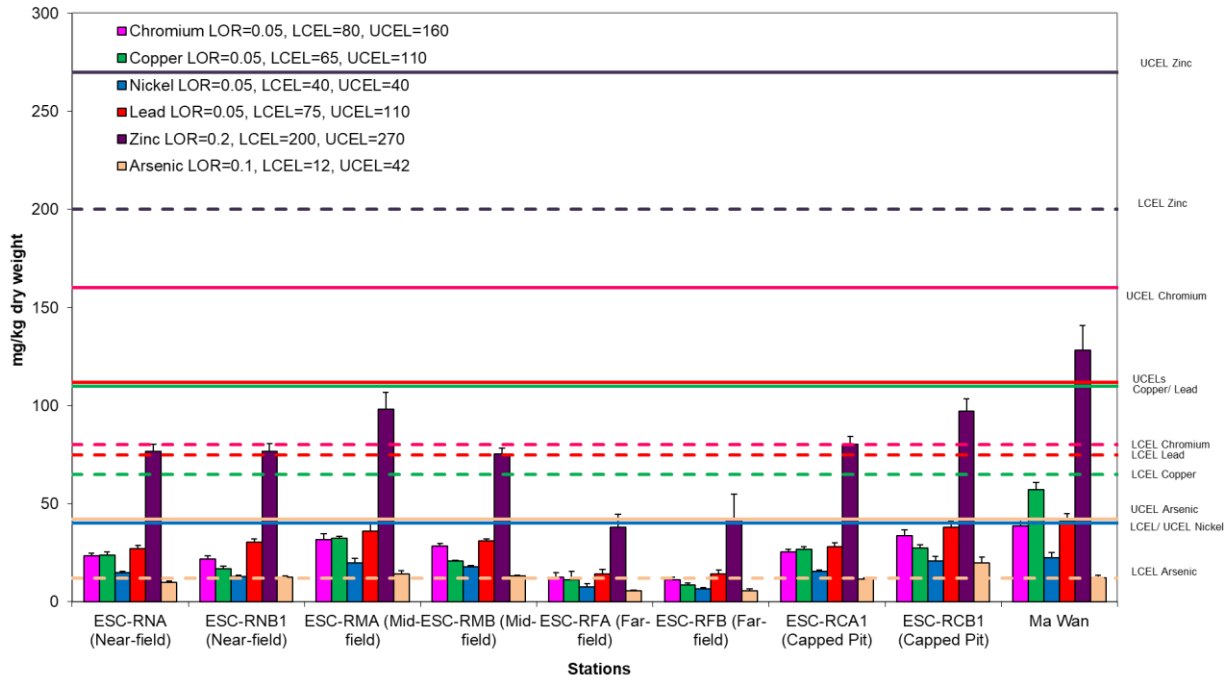


Figure 23: Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2020.

**Cumulative Impact Sediment Chemistry for Metal Contaminants at ESC CMPs
August 2020**

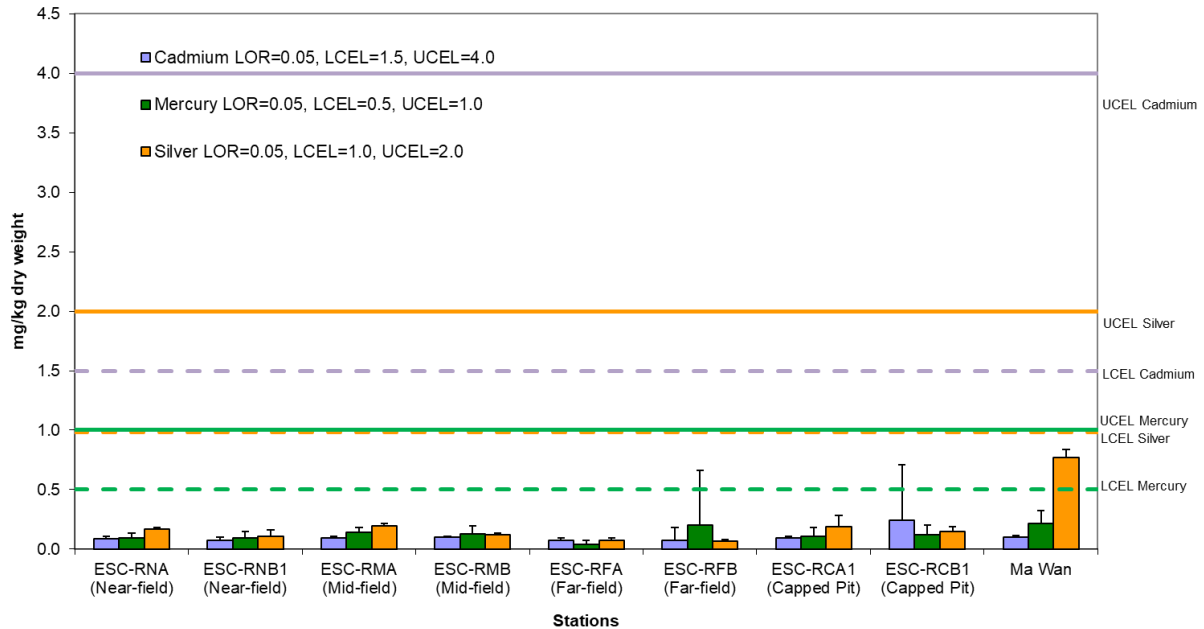


Figure 24: Concentration of Metals (Cd, Hg, Ag; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2020.

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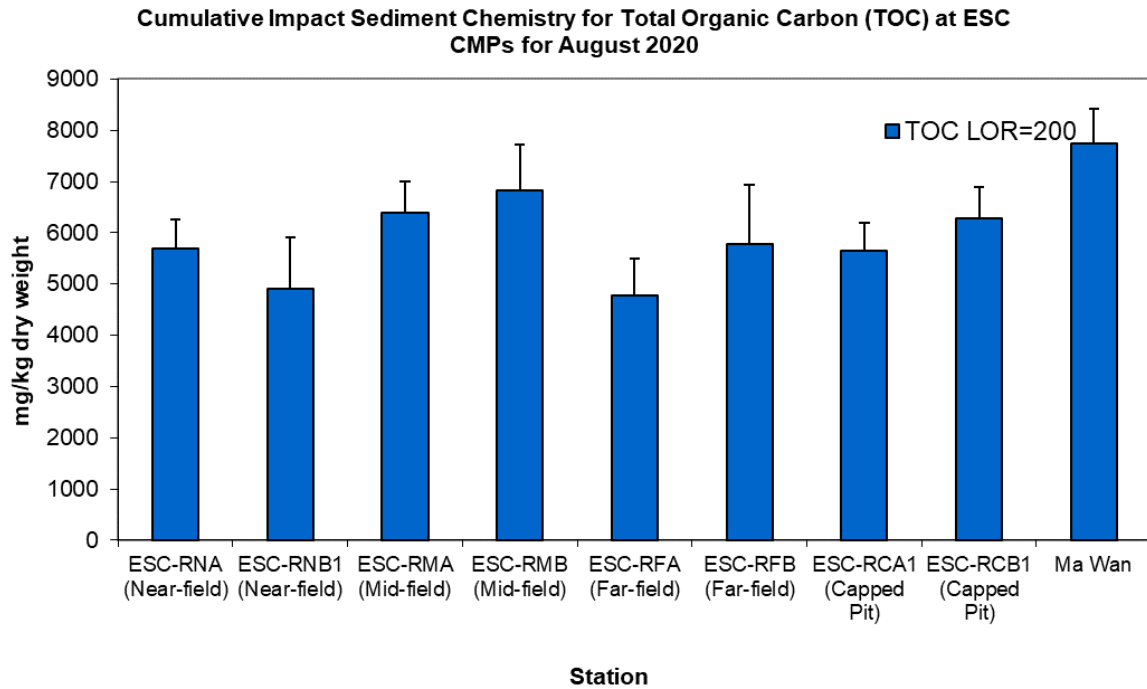


Figure 25: Concentration of Total Organic Carbon (TOC) (mg/kg dry weight; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2020.

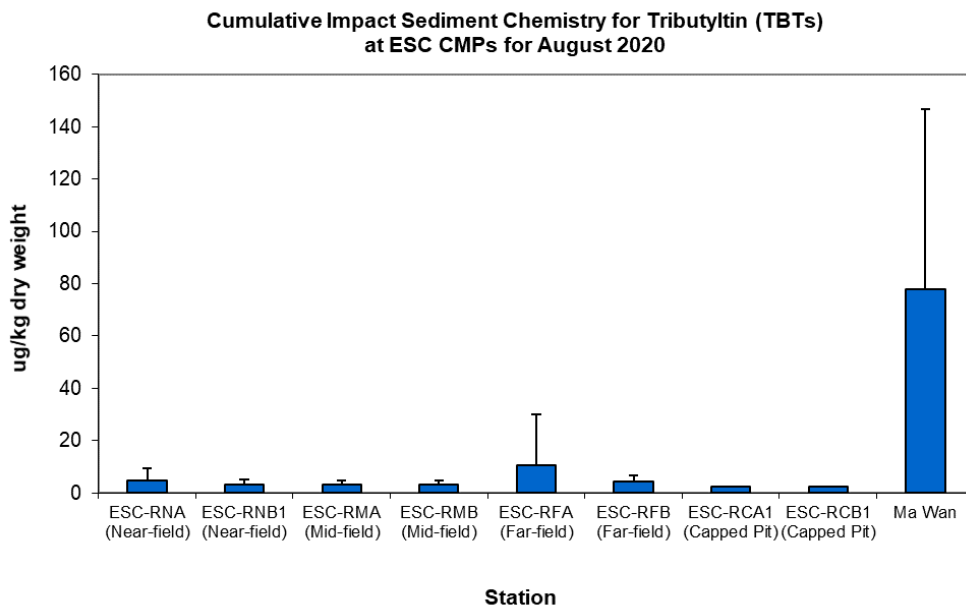


Figure 26: Concentration of Tributyltin (TBT) ($\mu\text{g}/\text{kg}$ dry weight; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in August 2020.

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**Sediment Chemistry after a Major Storm for Metal and Metalloid Contaminants at ESC CMPs
August 2020**

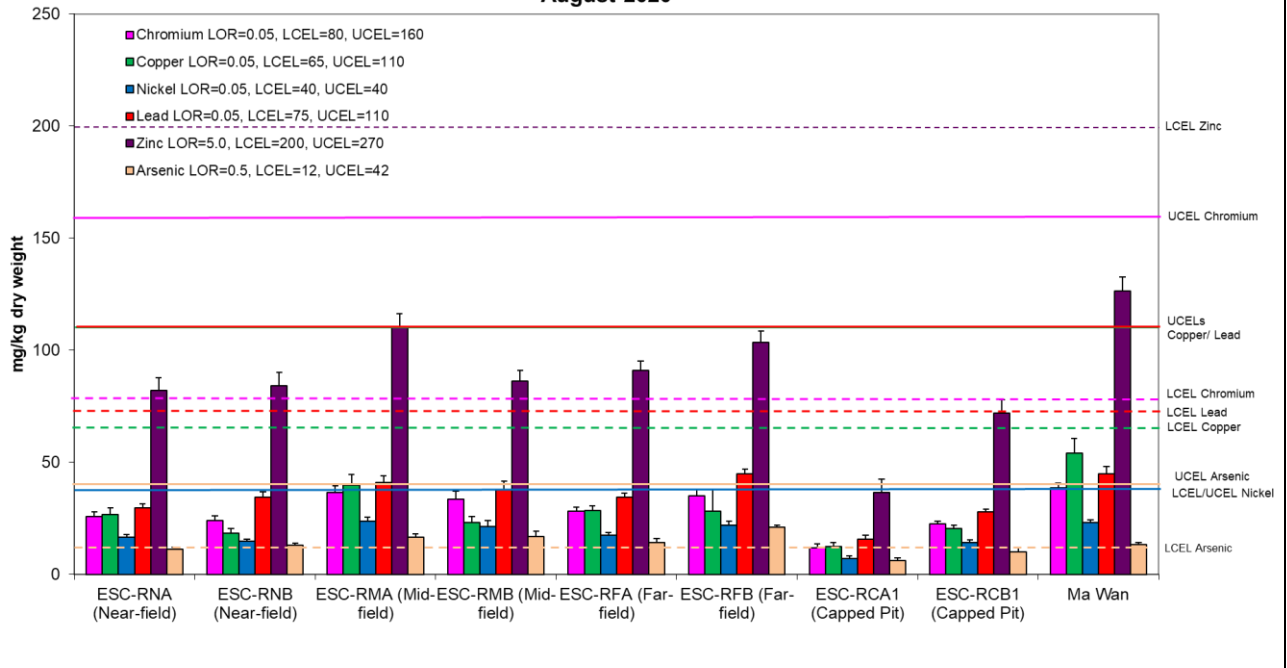


Figure 27: Concentration of Metals (Cr, Cu, Ni, Pb, Zn, As; mean +SD) in sediment samples collected from Sediment Chemistry after a Major Storm for ESC CMPs in August 2020.

**Sediment Chemistry after a Major Storm for Metal Contaminants at ESC CMPs
August 2020**

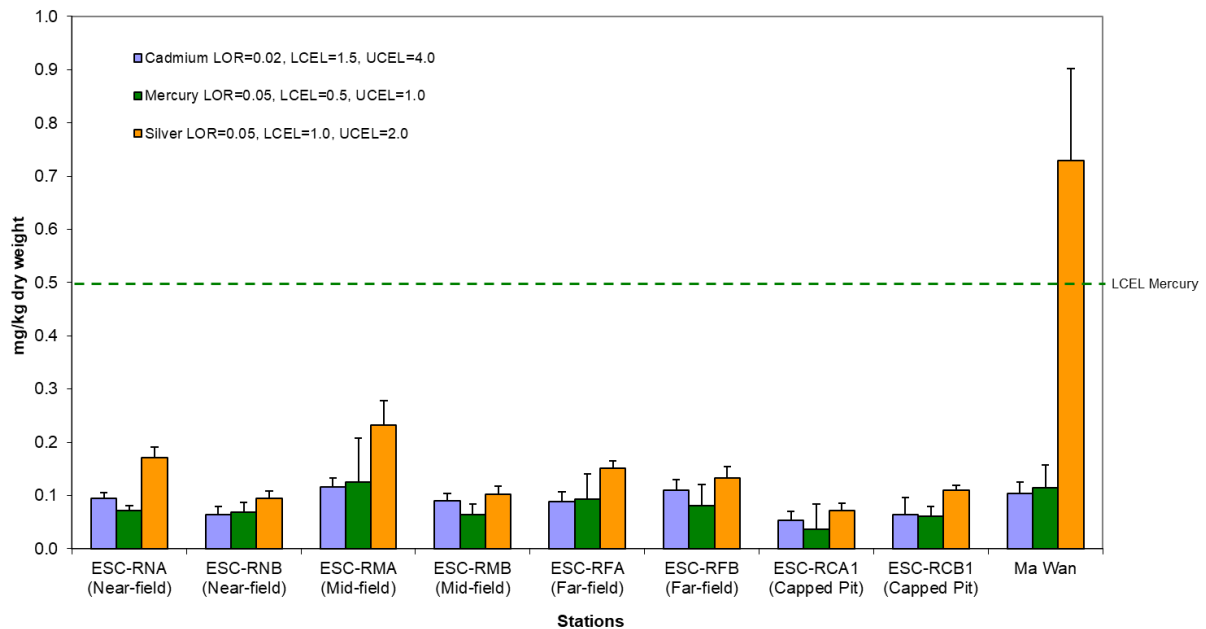


Figure 28: Concentration of Metals (Cd, Hg, Ag; mean +SD) in sediment samples collected from Sediment Chemistry after a Major Storm for ESC CMPs in August 2020.

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