Annex C

Graphical Presentations
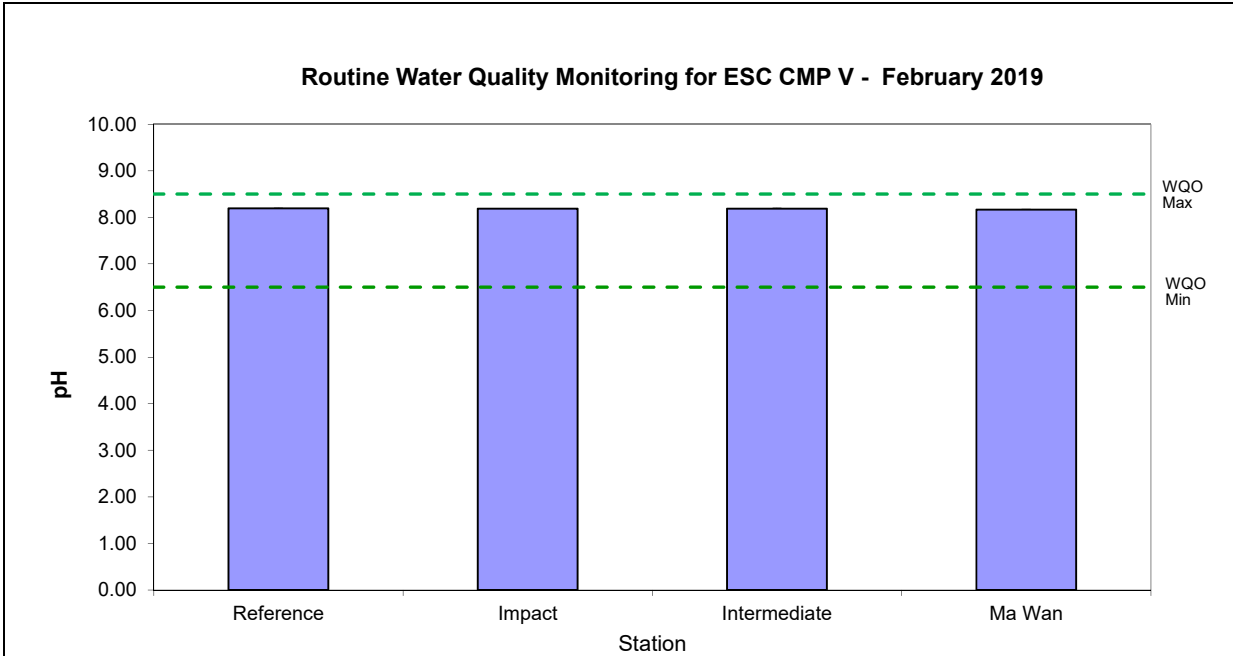
Routine Water Quality Monitoring for ESC CMP V - February 2019

Figure 1: Level of pH recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2019.

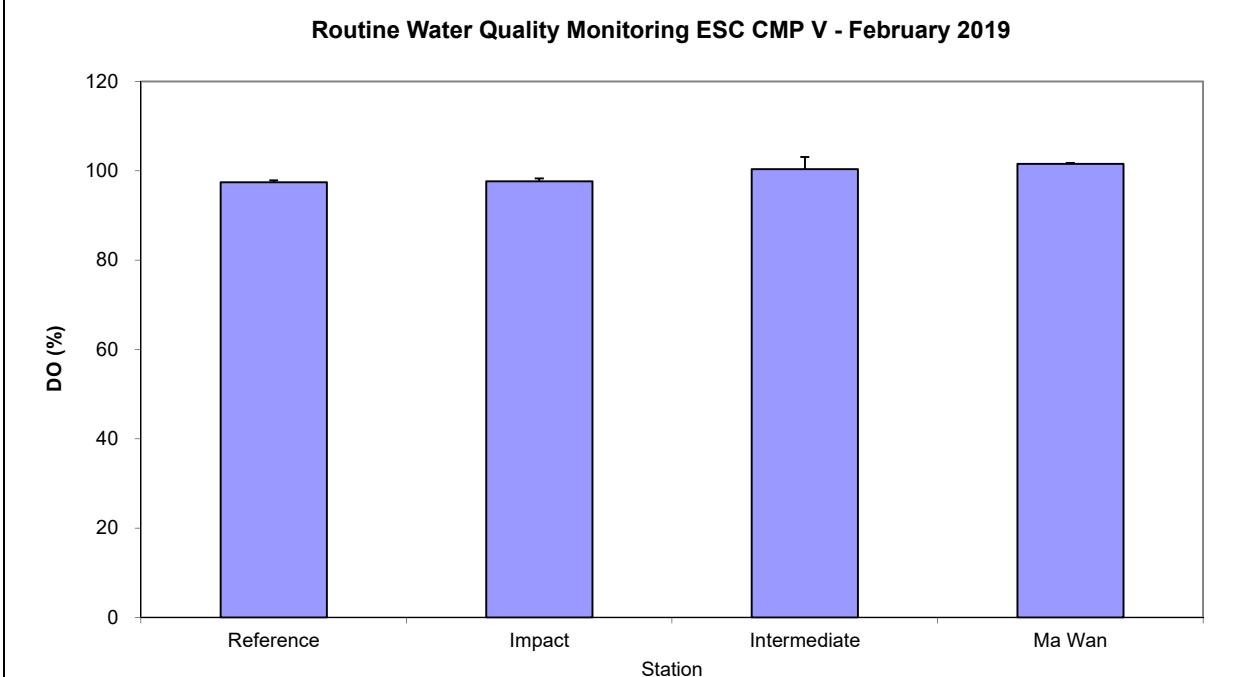**Routine Water Quality Monitoring ESC CMP V - February 2019**

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 2019.

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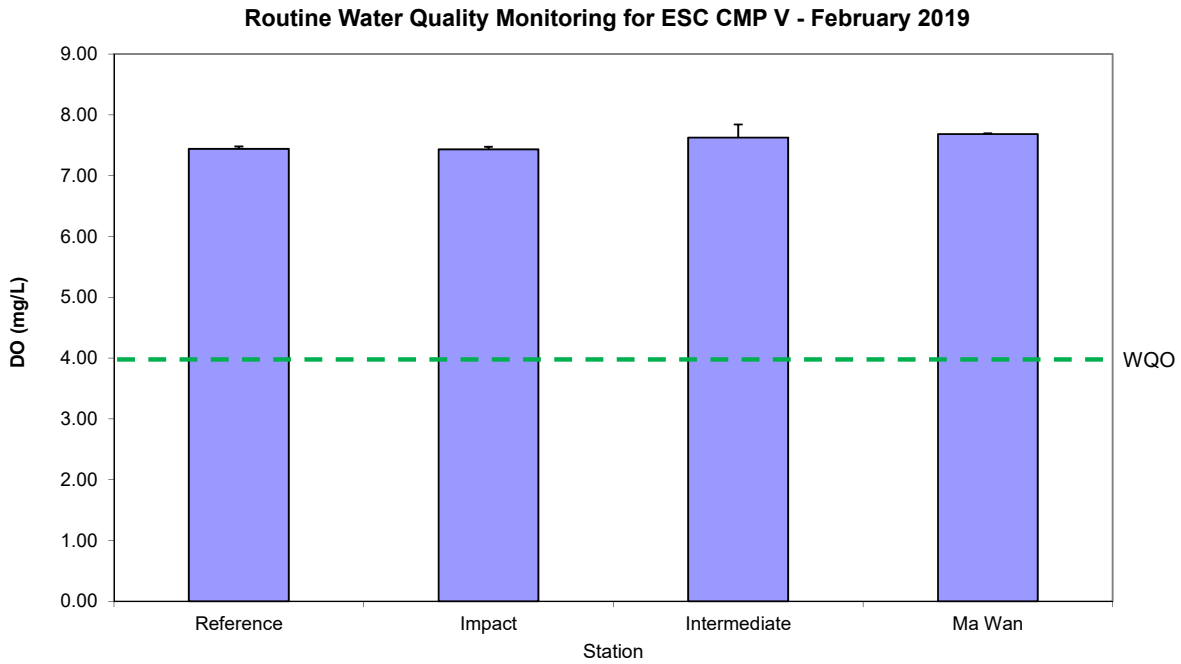**Routine Water Quality Monitoring for ESC CMP V - February 2019**

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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 2019.

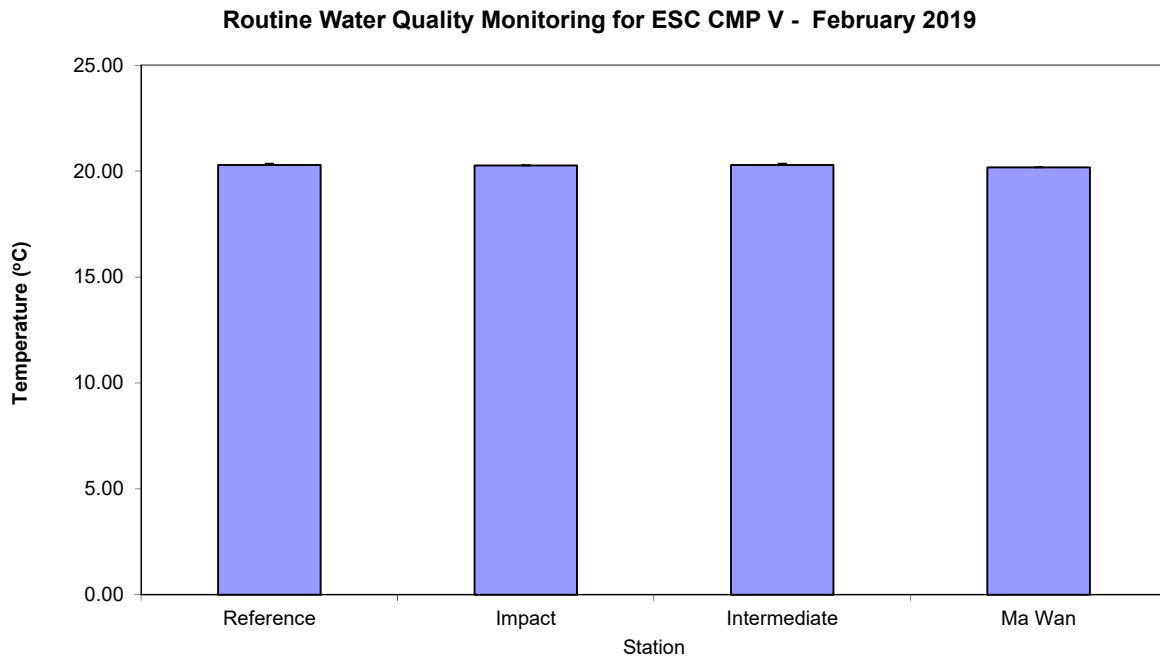**Routine Water Quality Monitoring for ESC CMP V - February 2019**

Figure 4: Level of Temperature (°C; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2019.

Source: P:\Projects\0400720 CEDD CMP EM&A 2017-2020\02 Deliverable\05 CMP Monthly Report\23 Monthly February 2019	**Environmental Resources Management**	
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Routine Water Quality Monitoring for ESC CMP V - February 2019
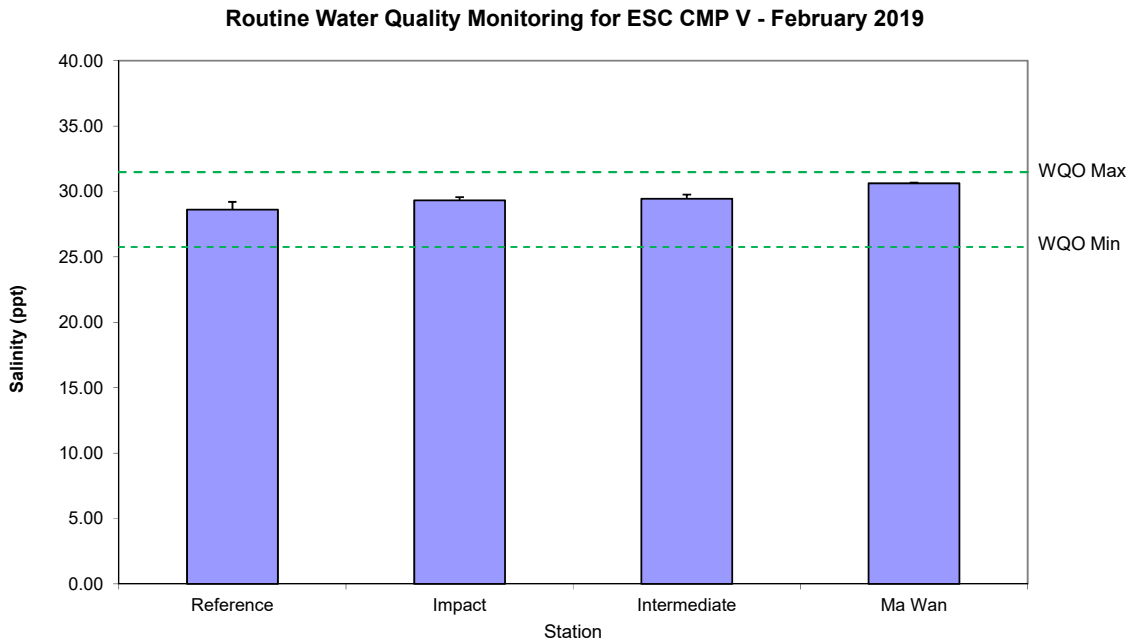

Figure 5: Level of Salinity (ppt; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2019.

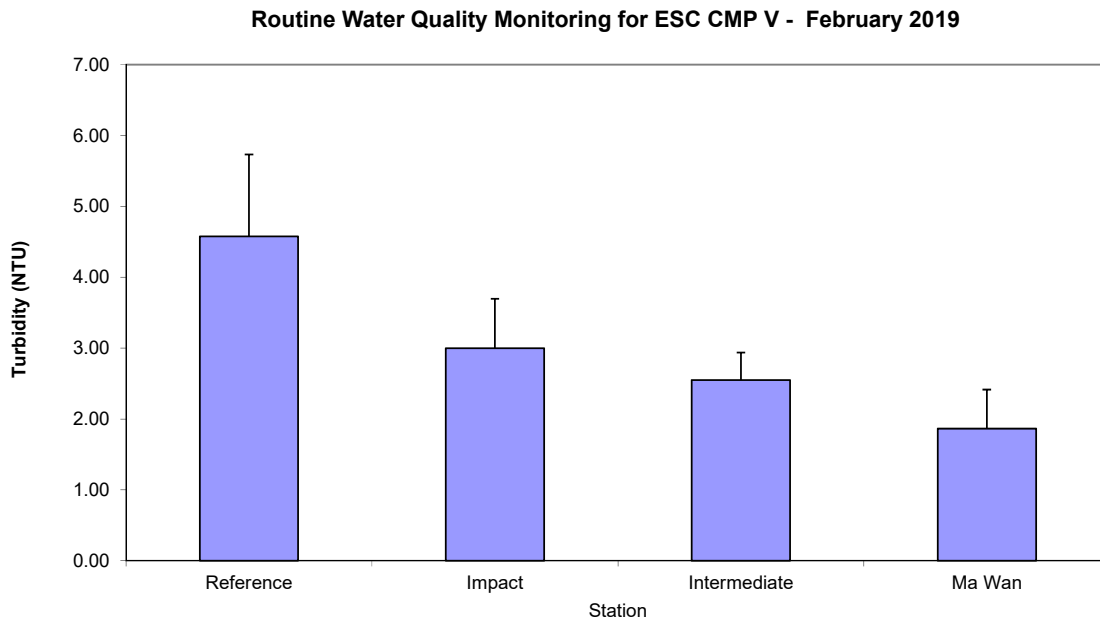**Routine Water Quality Monitoring for ESC CMP V - February 2019**

Figure 6: Levels of Turbidity (NTU; mean + SD) recorded during Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2019.

Source: P:\Projects\0400720 CEDD CMP EM&A 2017-2020\02 Deliverable\05 CMP Monthly Report\23 Monthly February 2019	**Environmental Resources Management**
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Routine Water Quality Monitoring for ESC CMP V
February 2019

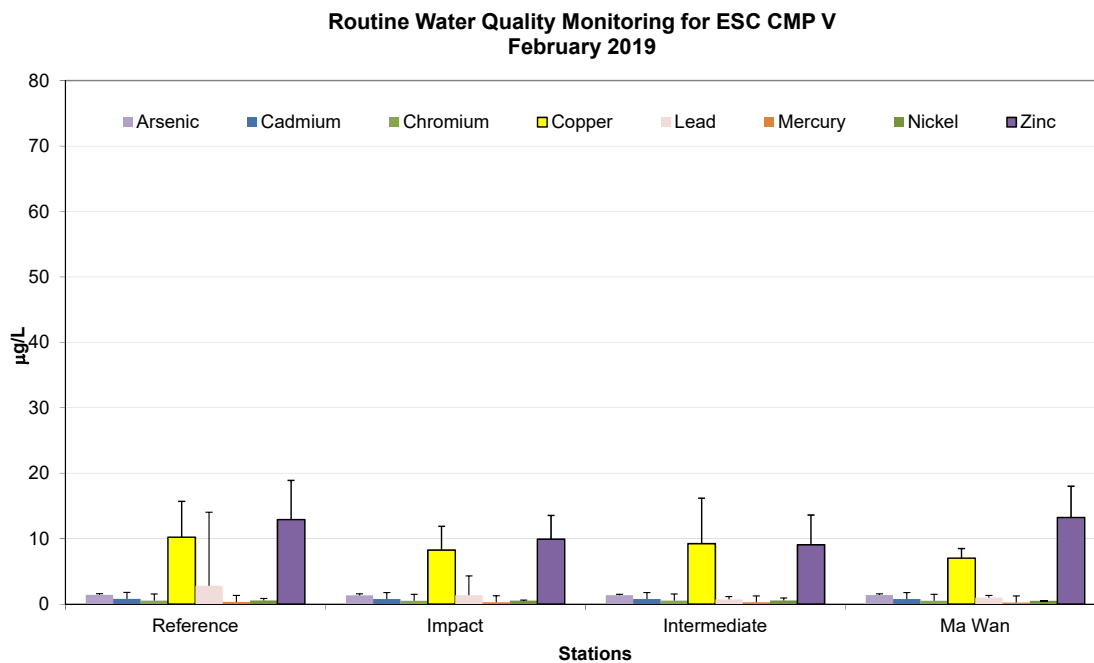Figure 7: Concentration of Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2019.

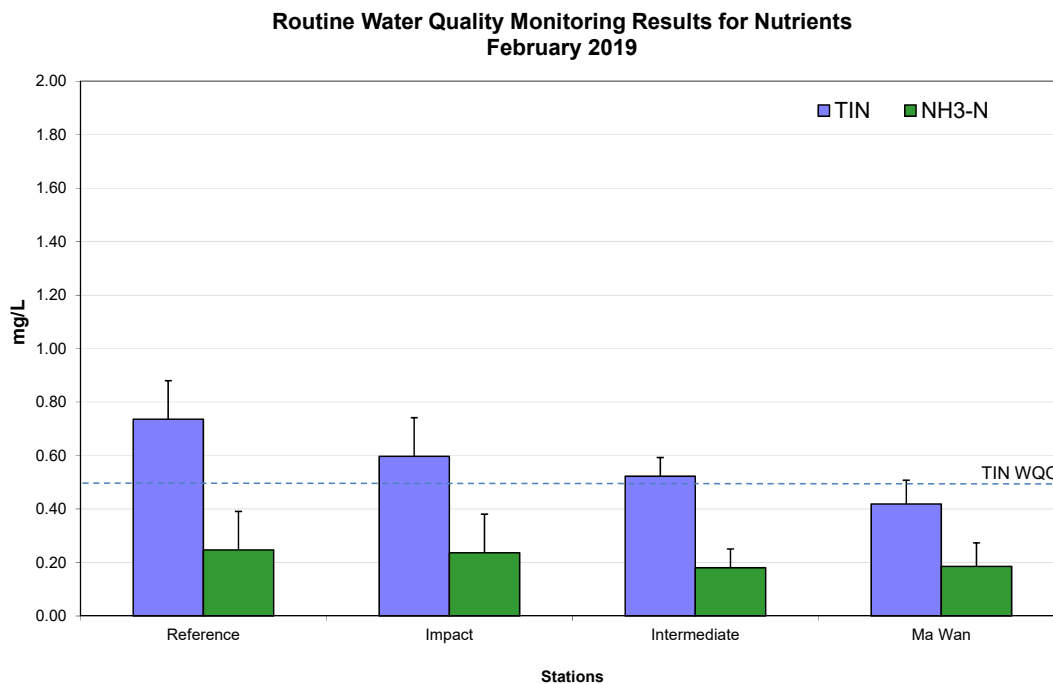**Routine Water Quality Monitoring Results for Nutrients**
February 2019

Figure 8: Concentration of Total Inorganic Nitrogen (TIN) and Ammonia Nitrogen (NH3-N) (µg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2019.

Routine Water Quality Monitoring Results for Biochemical Oxygen Demand (BOD$_5$)
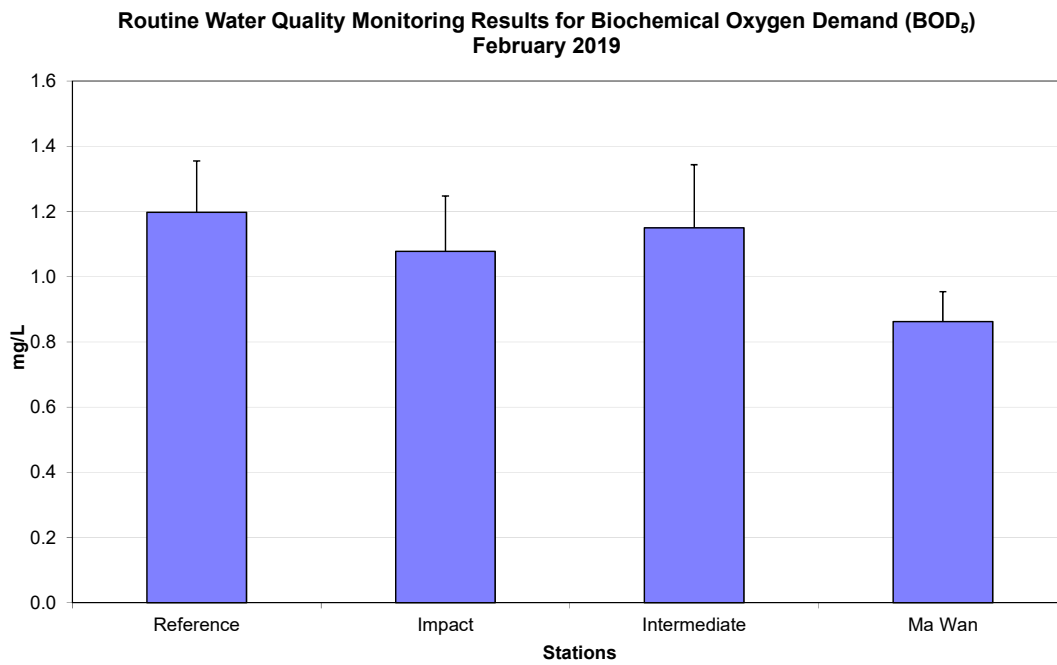**February 2019**

Figure 9:   Level of Biochemical Oxygen Demand (BOD$_5$) (mg/L; mean + SD) in water samples collected from Routine Water Quality Monitoring for disposal operations at ESC CMP V in February 2019.

Routine Water Quality Monitoring for Suspended Solids
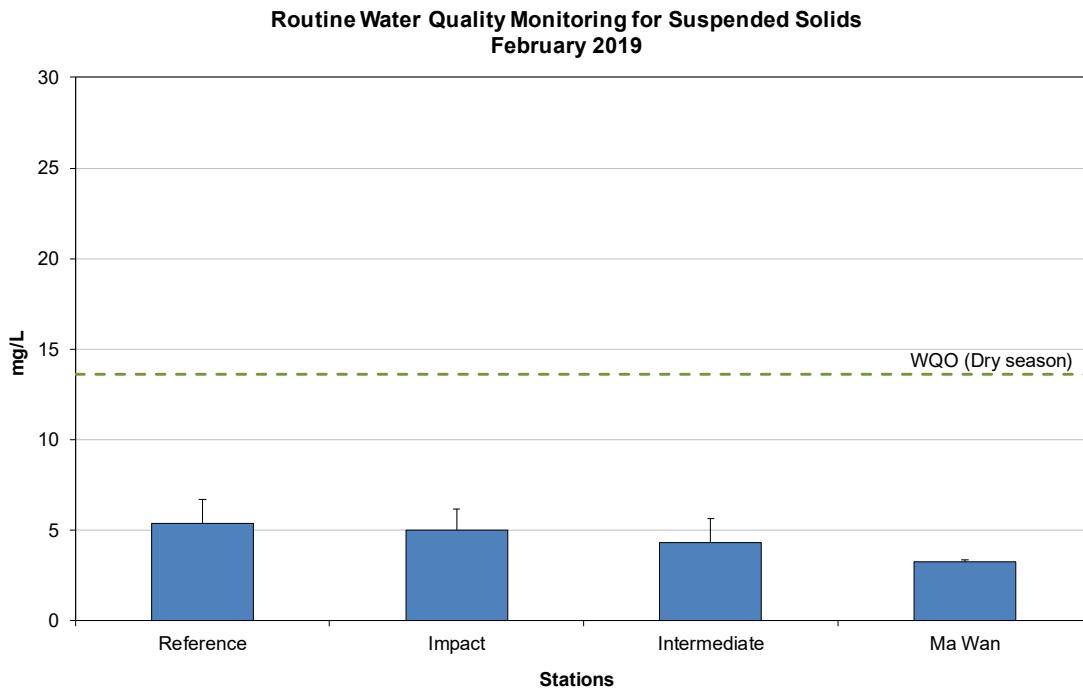**February 2019**

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 2019.

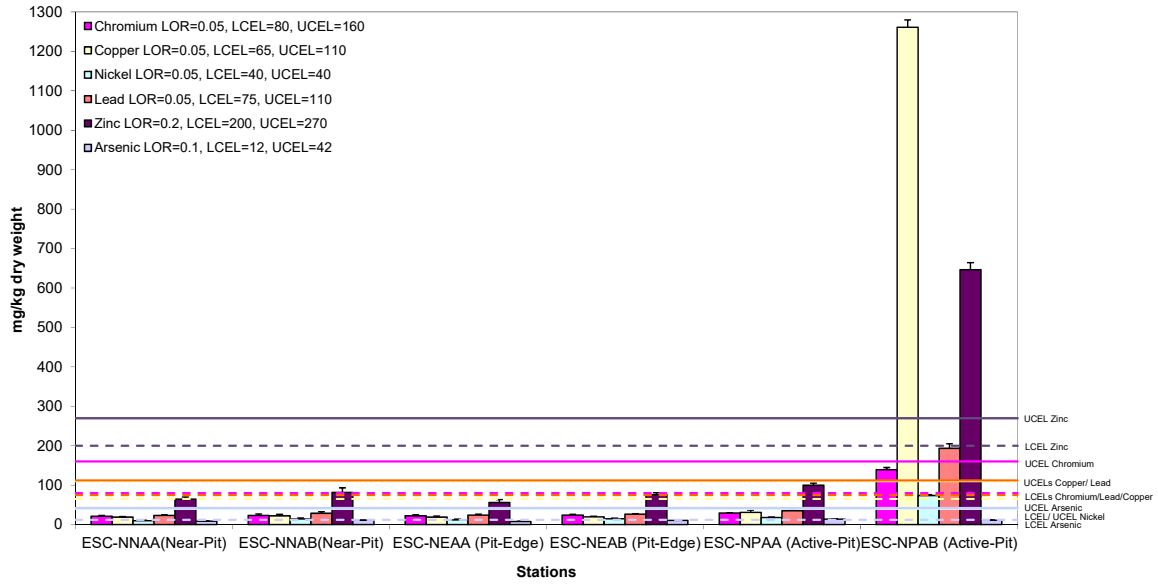| Source: P:\Projects\0400720 CEDD CMP EM&A 2017-2020\02 Deliverable\05 CMP Monthly Report\23 Monthly February 2019	**Environmental Resources Management**
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Figure 11: Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vd in February 2019.
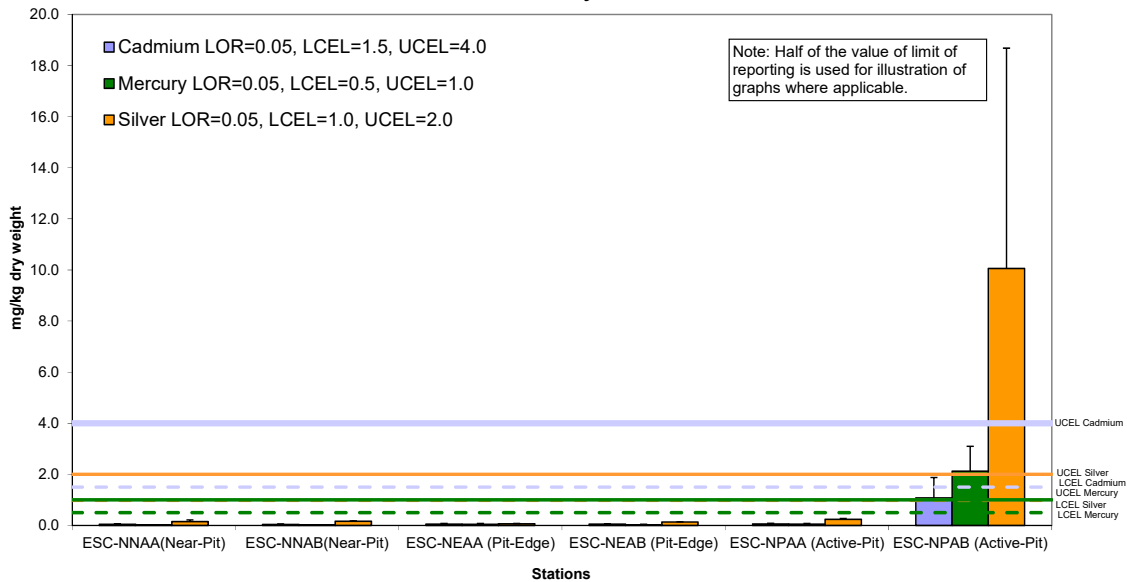

Figure 12: Concentration of Metals (Cd, Hg, Ag; mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vd in February 2019.

**Pit Specific Sediment Chemistry for Total Organic Carbon (TOC) at ESC CMP Vd
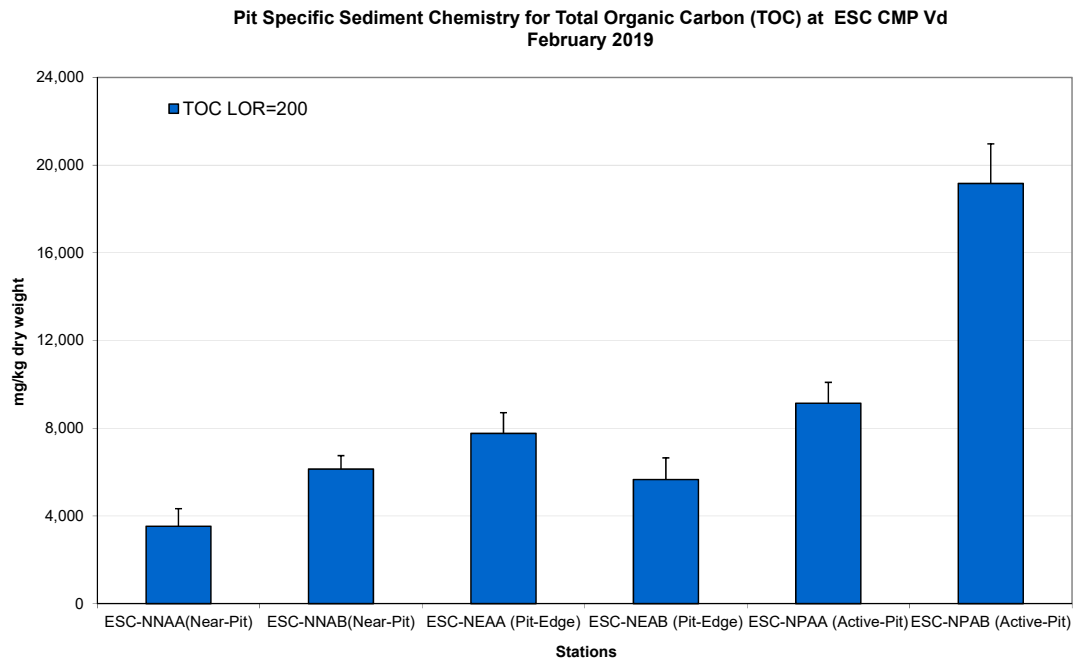February 2019**

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 Vd in February 2019.

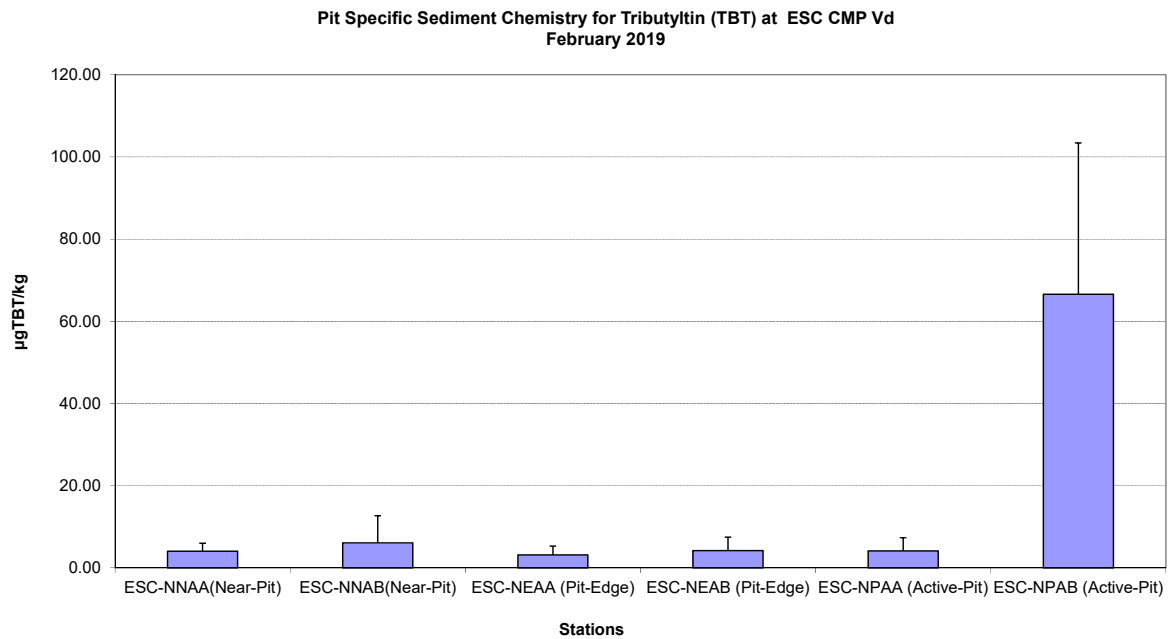**Pit Specific Sediment Chemistry for Tributyltin (TBT) at ESC CMP Vd
February 2019**

Figure 14: Concentration of Tributyltin (TBT) (µg TBT/kg; mean +SD) in sediment samples collected from Pit Specific Sediment Chemistry Monitoring for ESC CMP Vd in February 2019.

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Pit Specific Sediment Chemistry for Low and High Molecular Weight Polycyclic Aromatics Hydrocarbons (PAHs) at ESC CMP Vd in February 2019
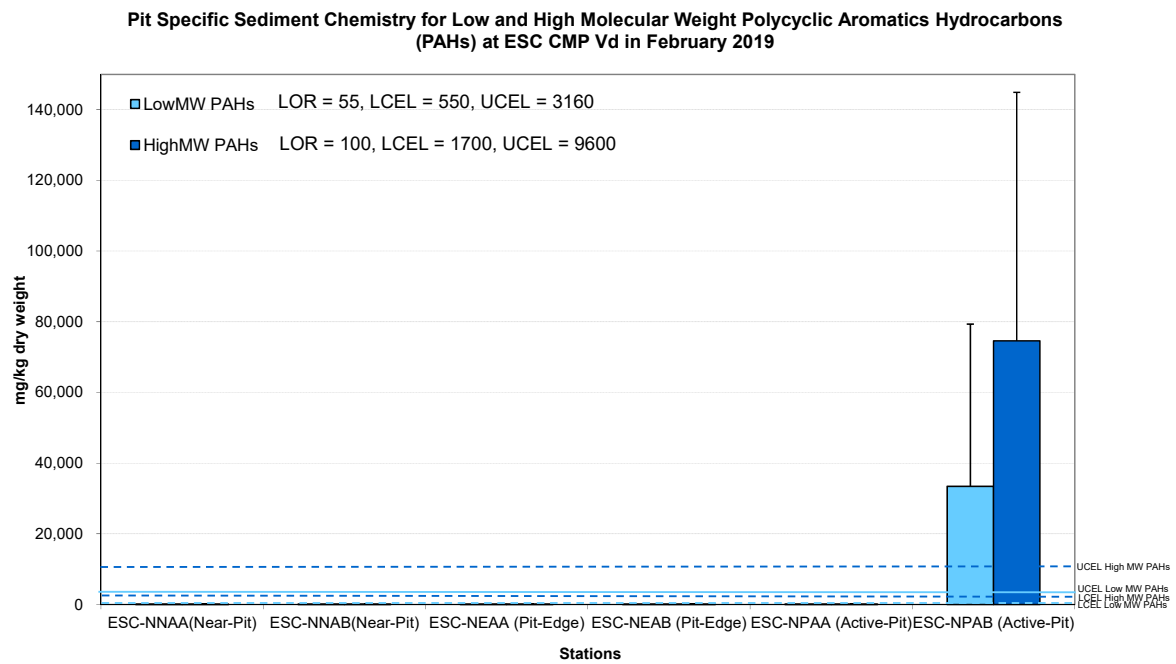
Figure 15: Concentration of Low and High Molecular Weight Polycyclic Aromatics (mg/kg dry weight; mean +SD) in sediment samples collected from Pit Specifc Sediment Chemistry Monitoring for ESC CMPs in February 2019.

Source: P:\Projects\0400720 CEDD CMP EM&A 2017-2020\02 Deliverable\05 CMP Monthly Report\23 Monthly February 2019	**Environmental Resources Management**	
Date: March 2019		ERM

Cumulative Impact Sediment Chemistry for Metal and Metalloid Contaminants at ESC CMPs February 2019
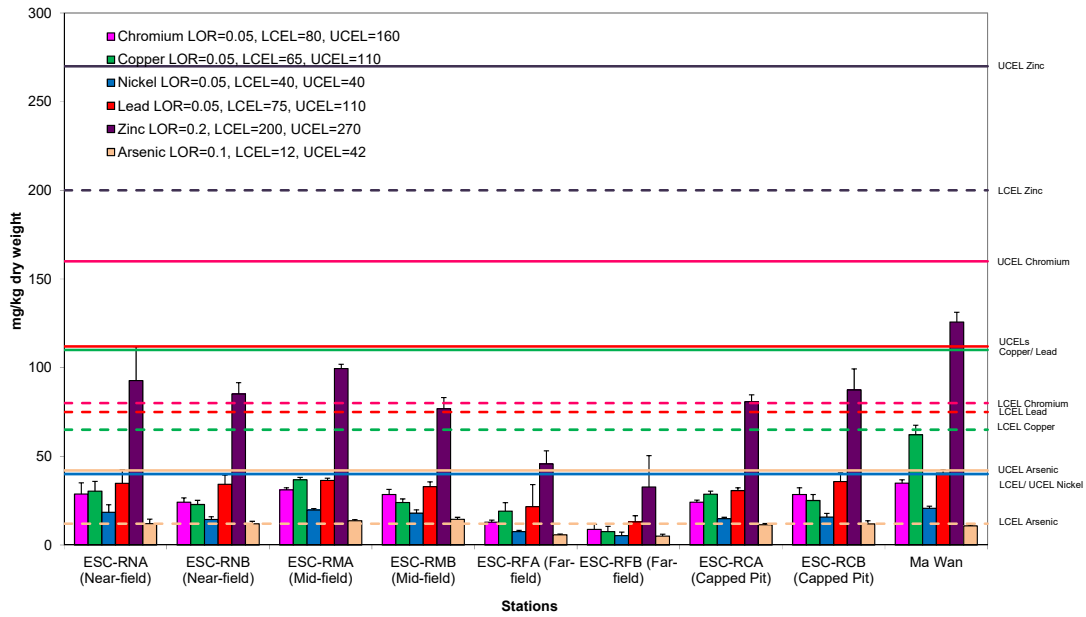
Figure 16: Concentration of Metals and Metalloid (Cr, Cu, Ni, Pb, Zn, As; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in February 2019.

Cumulative Impact Sediment Chemistry for Metal Contaminants at ESC CMPs February 2019
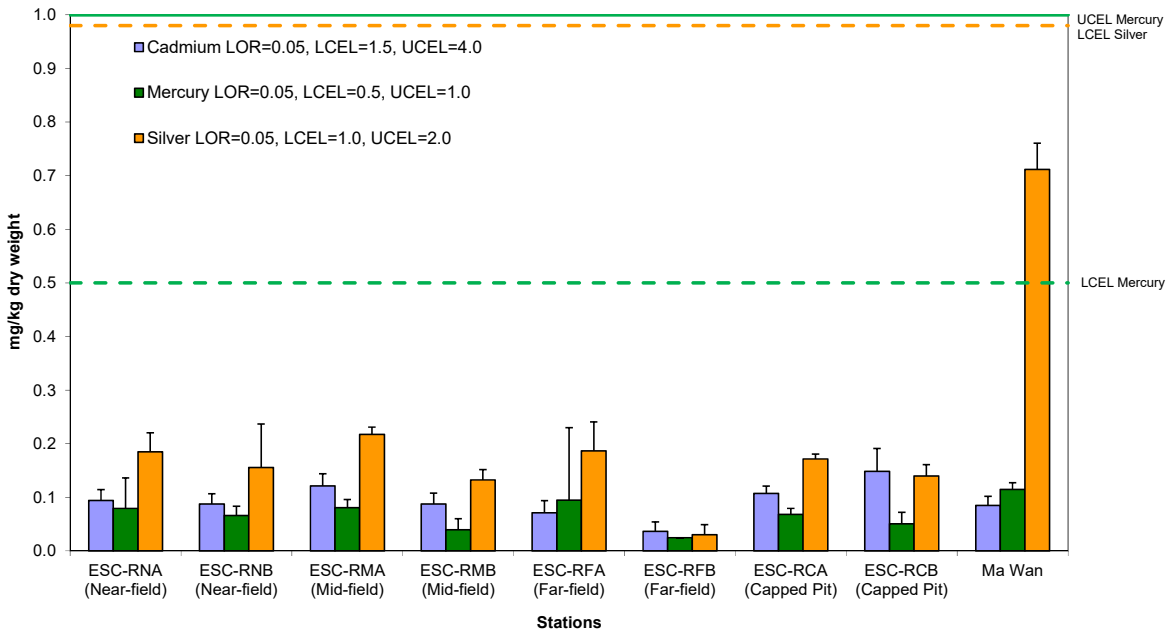
Figure 17: Concentration of Metals (Cd, Hg, Ag; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in February 2019.

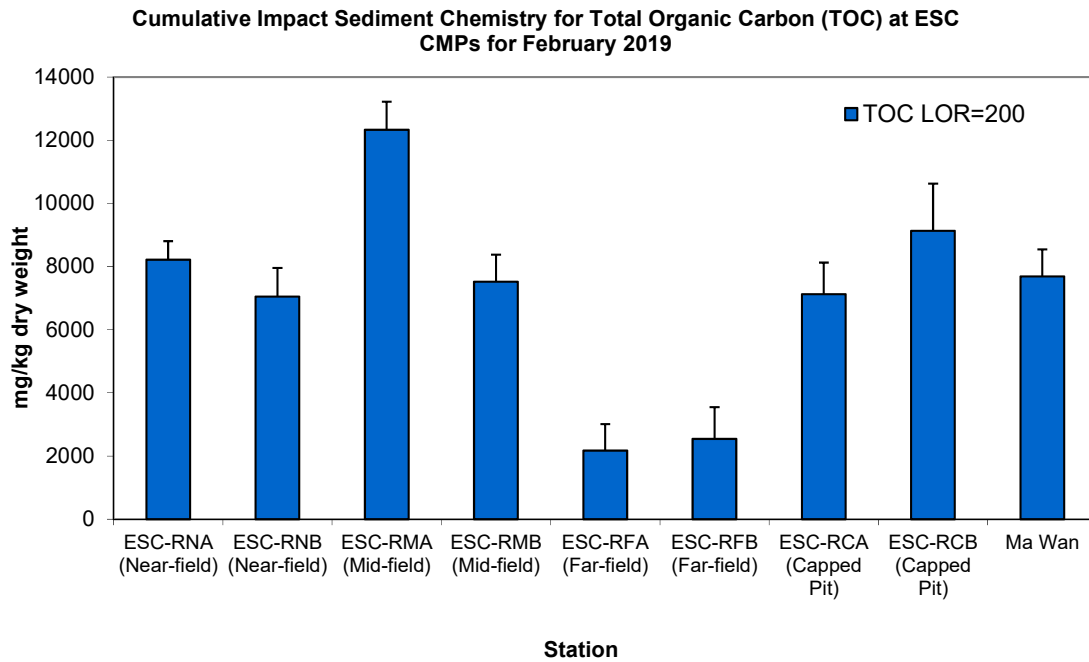|	
Source: P:\Projects\0400720 CEDD CMP EM&A 2017-2020\02 Deliverable\05 CMP Monthly Report\23 Monthly February 2019 Date: March 2019	**Environmental Resources Management** ERM

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 2019.
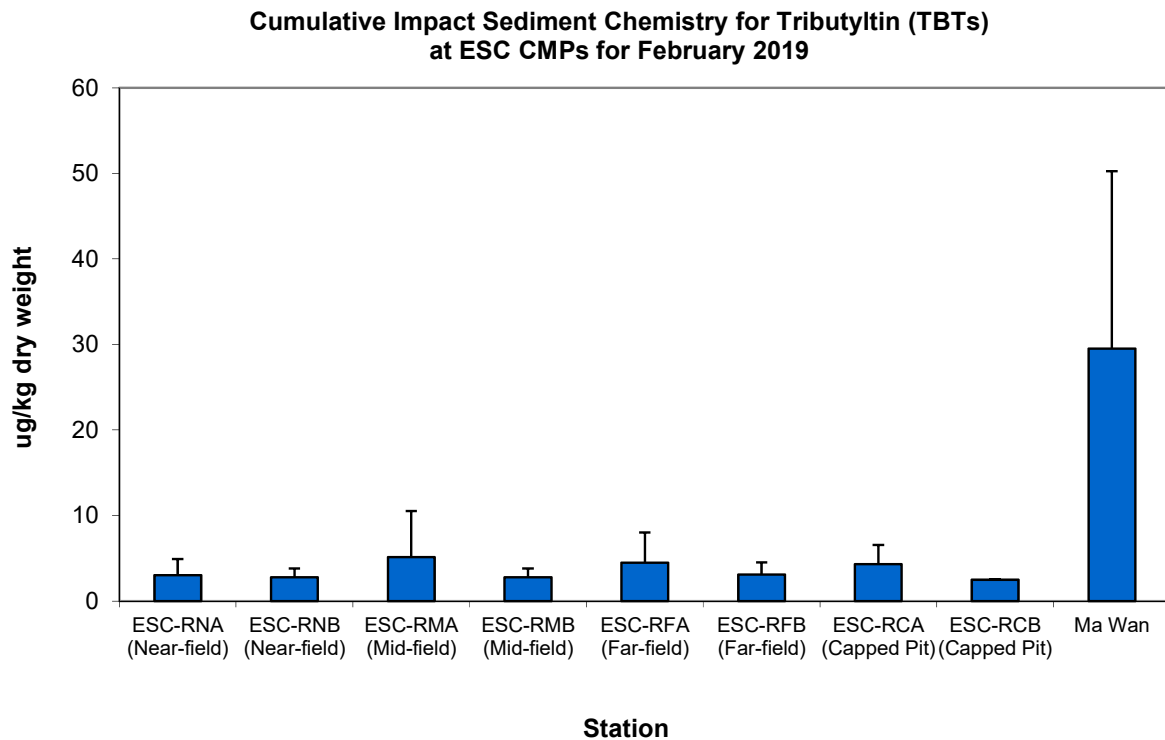

Figure 19: Concentration of Tributyltin (μg TBT/kg; mean +SD) in sediment samples collected from Cumulative Impact Sediment Chemistry Monitoring for ESC CMPs in February 2019.

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