

# TEMPEST: Porewater SO<sub>4</sub>/Cl

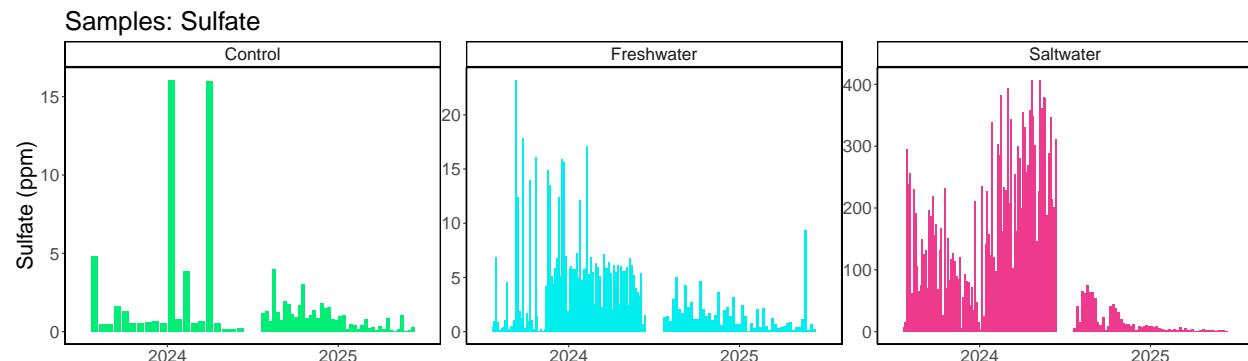
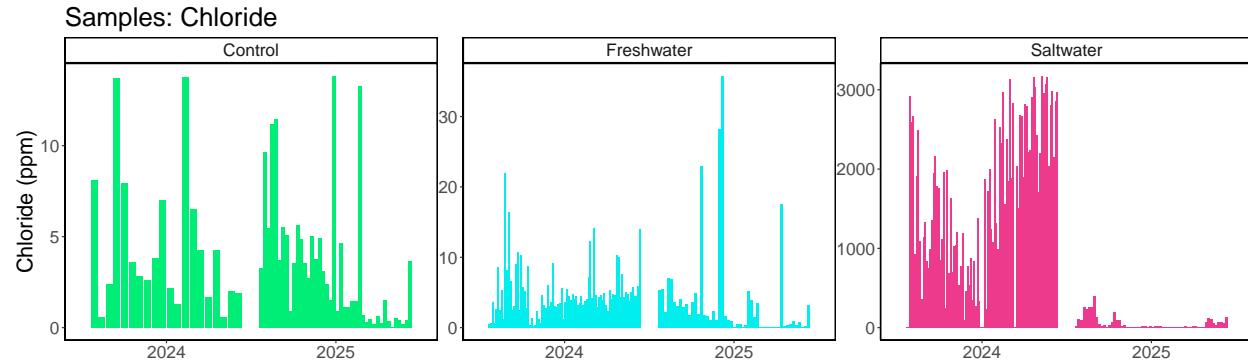
2024-2025 Samples

2025-12-19

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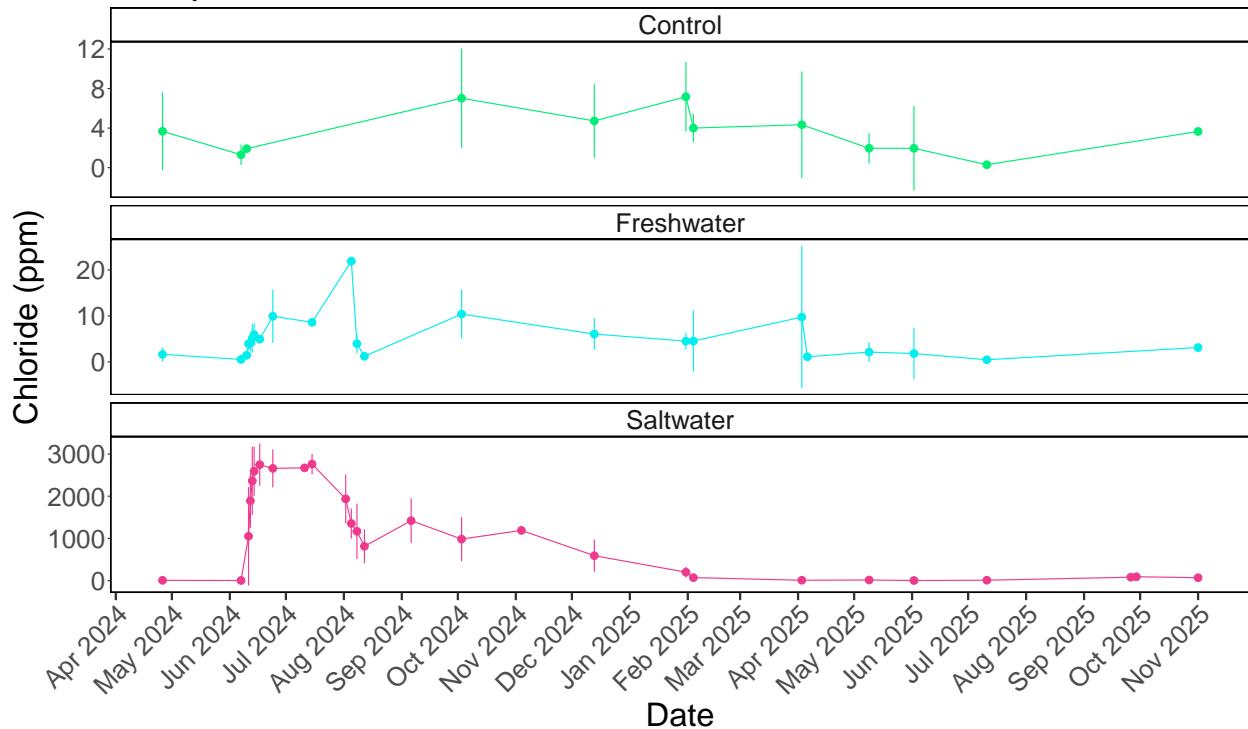
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##Grab 2022 and 2023 All Data Files		
##Make Relevant Metadata Sheet		
##Write out files		

### 0.1 Visualize Data by Zone

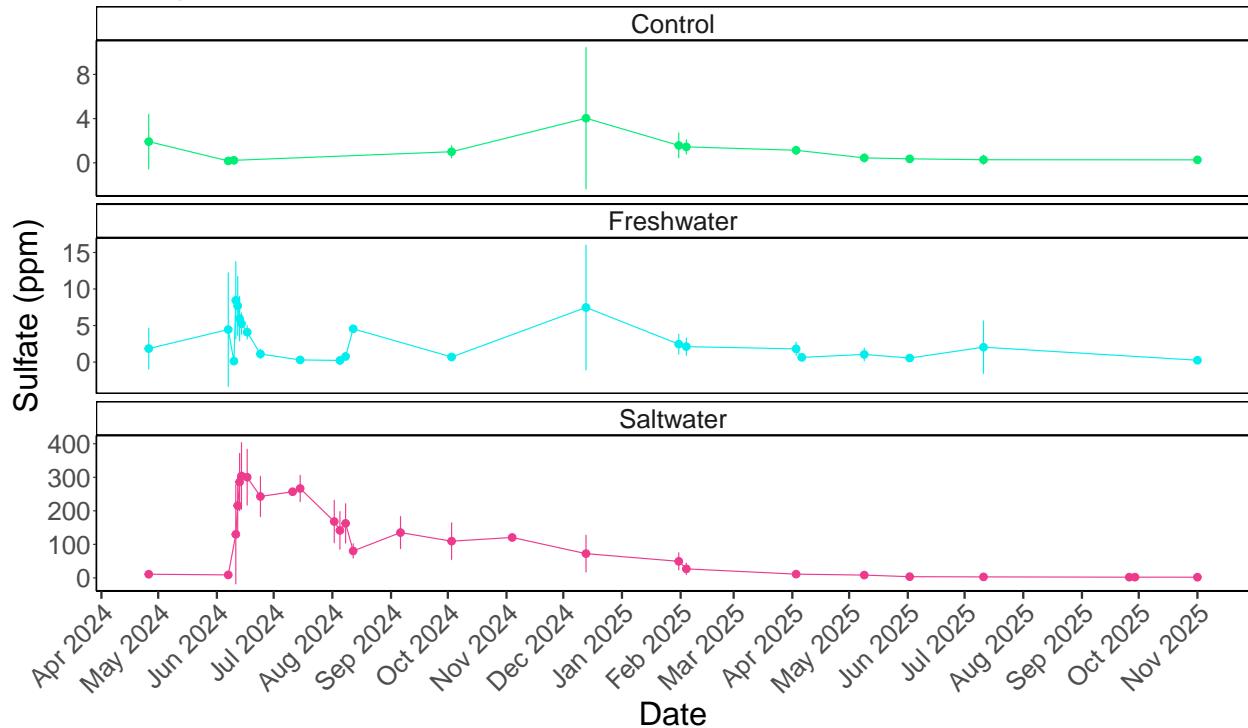


## 0.2 Summarized data for Site and Zone

### Samples: Chloride

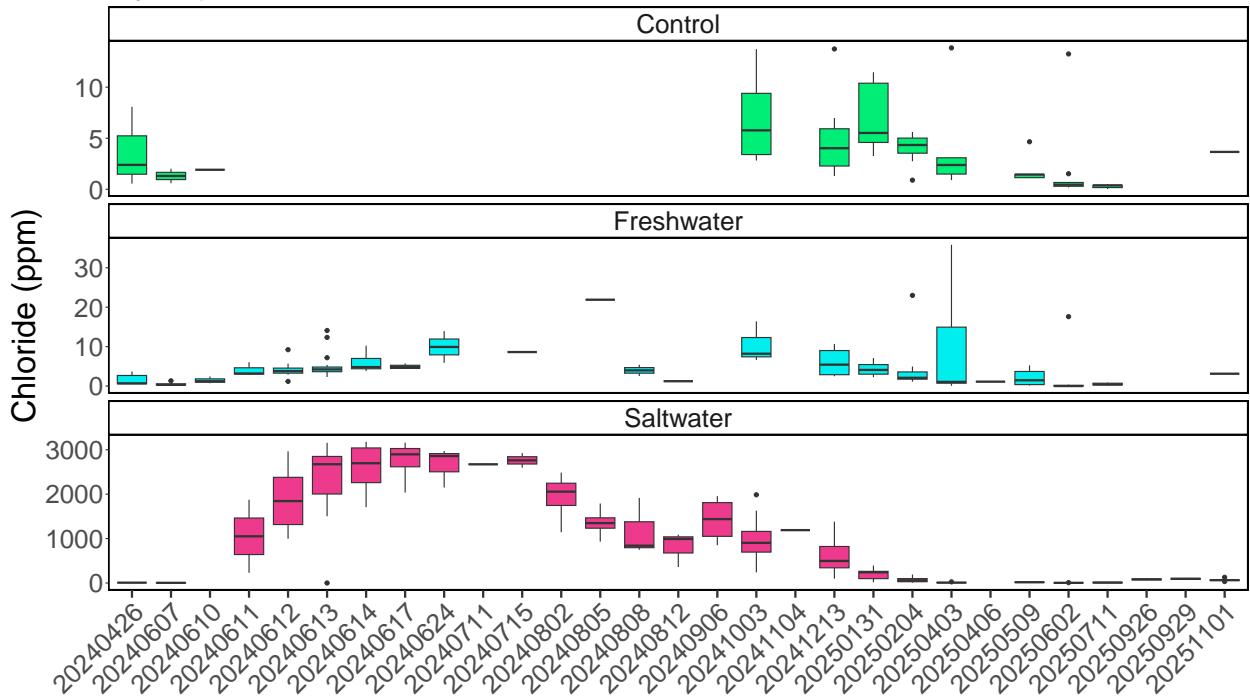


### Samples: Sulfate

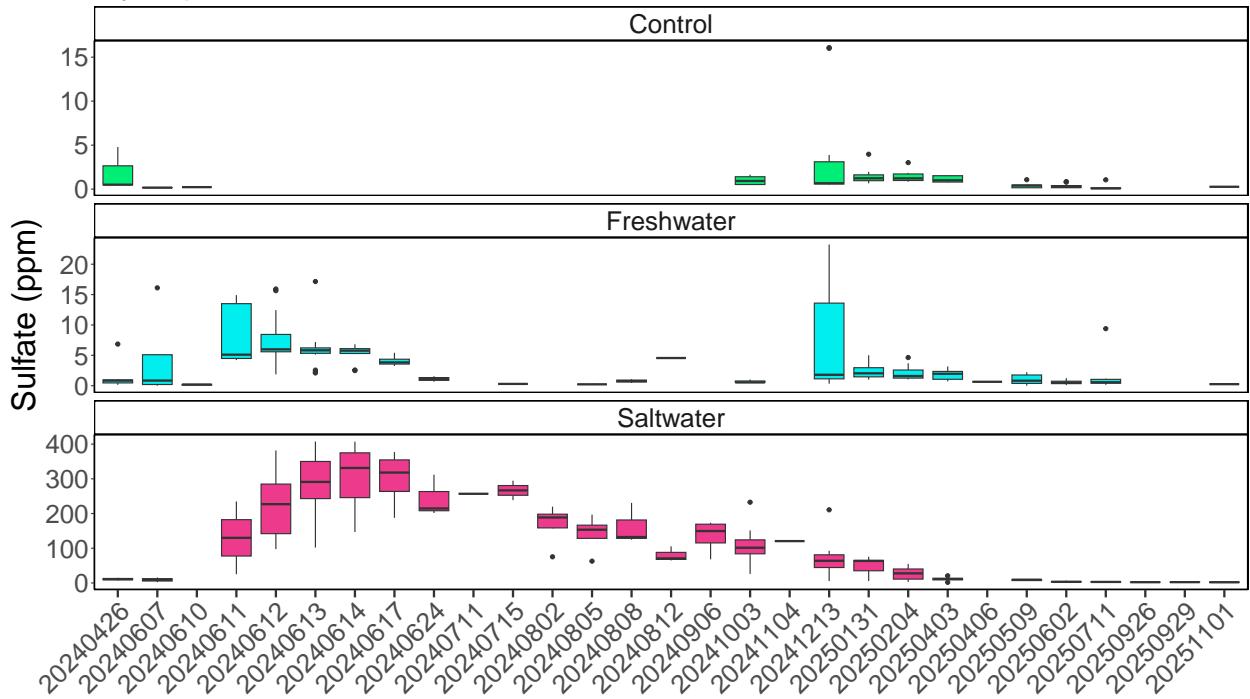


### 0.3 Boxplot summary

Synoptic CB Porewater: Chloride



Synoptic CB Porewater: Sulfate



```
##Calculate summary metrics
```

## 0.4 Summary Tables

Table 1: Summary Statistics by Year

Year	Zone_1	min_Cl_ppm	max_Cl_ppm	mean_Cl_ppm	min_SO4_ppm	max_SO4_ppm	mean_SO4_ppm
2024	Control	0.5591	13.7413	4.544085	0.1648	16.0863	2.5349200
2024	Freshwater	0.2529	21.8991	4.982057	0.0000	23.2406	5.3515686
2024	Saltwater	0.0000	3177.8905	1654.913694	2.1851	407.5898	185.1788222
2025	Control	0.0232	13.8442	3.440259	0.0453	3.9657	0.9110667
2025	Freshwater	0.0000	35.8056	3.811990	0.0000	9.3896	1.6037392
2025	Saltwater	1.4007	392.6059	55.807877	0.8630	75.5324	14.9716333

Table 2: Summary Statistics by Zone

Zone_1	min_Cl_ppm	max_Cl_ppm	mean_Cl_ppm	min_SO4_ppm	max_SO4_ppm	mean_SO4_ppm
Control	0.0232	13.8442	3.796332	0.0453	16.0863	1.434890
Freshwater	0.0000	35.8056	4.546485	0.0000	23.2406	3.956391
Saltwater	0.0000	3177.8905	1015.271367	0.8630	407.5898	117.095947

##Write out summarized data