

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

2024-2025 Samples

2025-12-23

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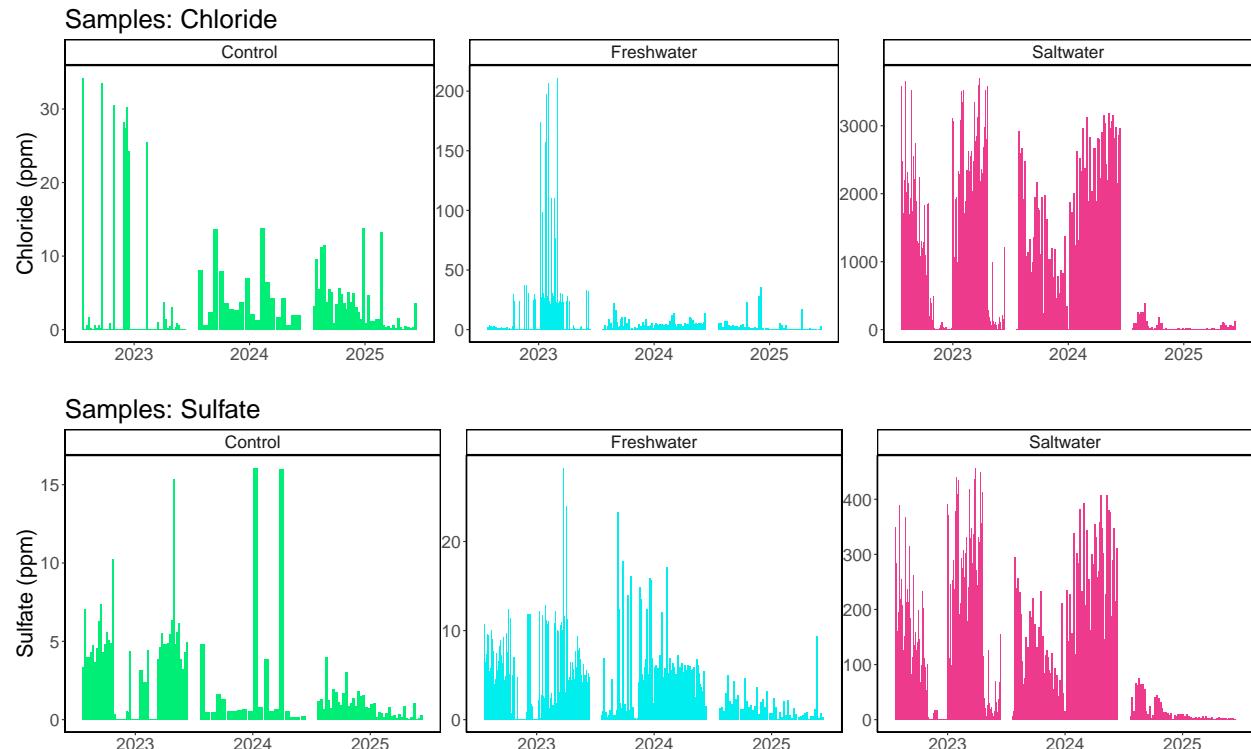
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##Grab 2023 and 2024 and 2025 All Data Files

##Make Relevant Metadata Sheet

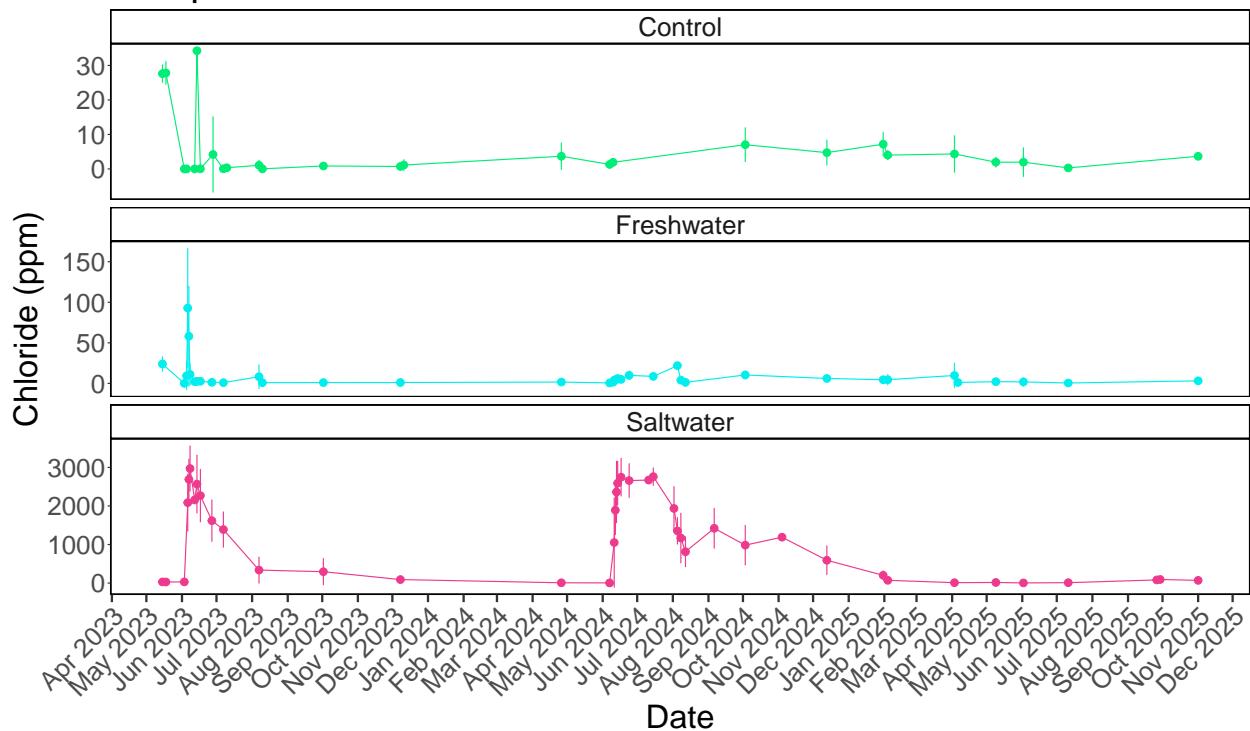
##Write out files

### 0.1 Visualize Data by Zone

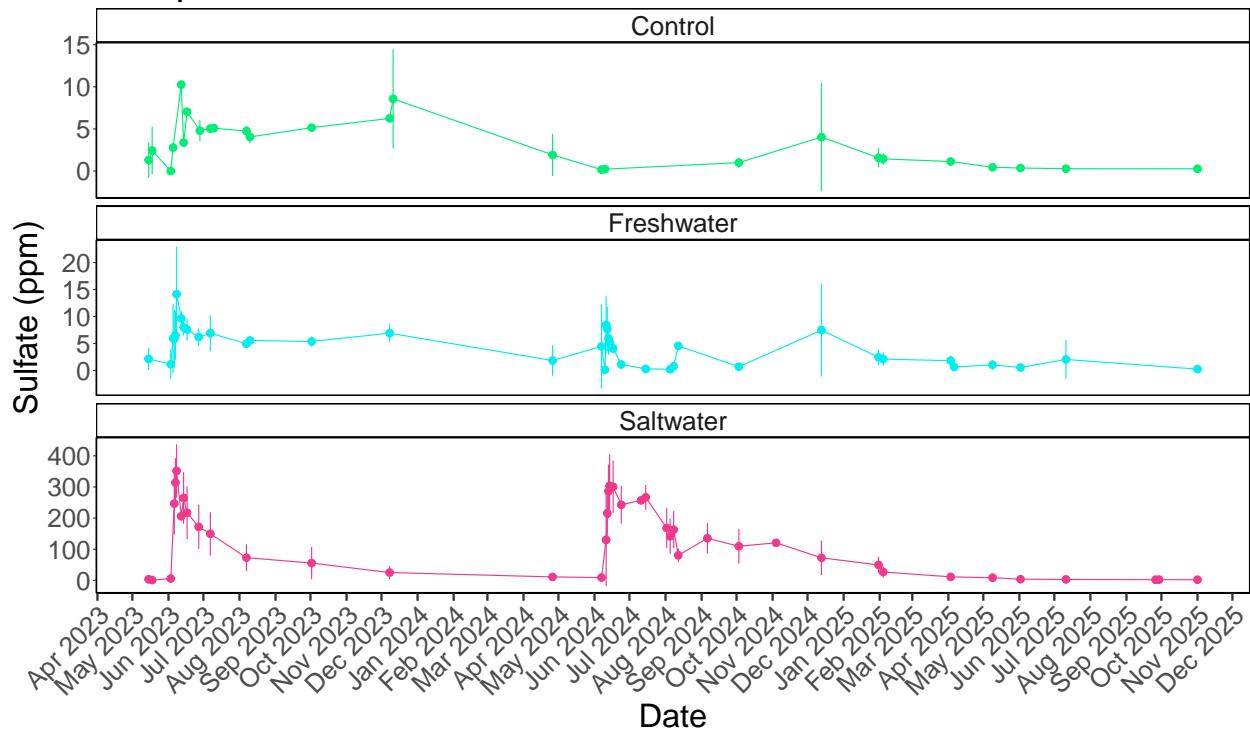


## 0.2 Summarized data for Site and Zone

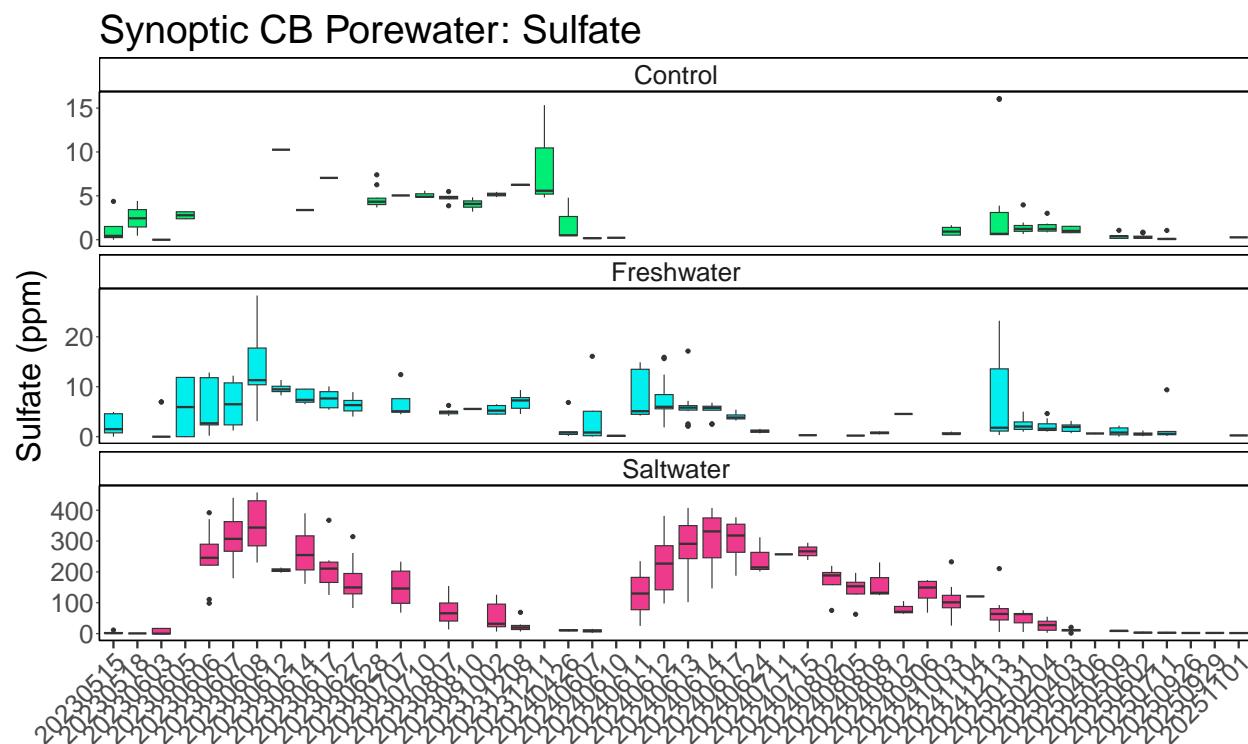
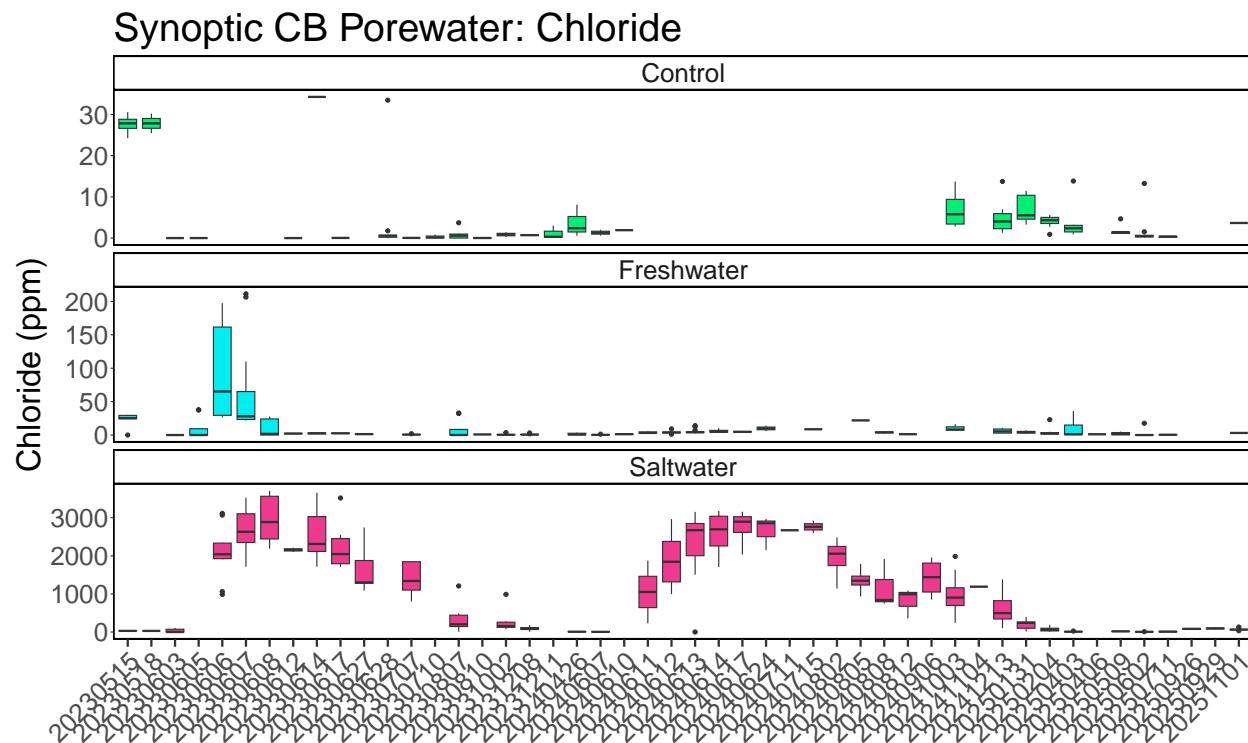
### Samples: Chloride



### Samples: Sulfate



### 0.3 Boxplot summary



```
##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
2023	Control	0.0000	34.2586	4.6520	0.0000	15.3405	3.5937
2023	Freshwater	0.0000	211.2593	20.2513	0.0000	28.2839	6.0470
2023	Saltwater	0.0000	3706.9076	1499.4701	0.0000	457.3600	173.3037
2024	Control	0.5591	13.7413	4.5441	0.1648	16.0863	2.5349
2024	Freshwater	0.2529	21.8991	4.9821	0.0000	23.2406	5.3516
2024	Saltwater	0.0000	3177.8905	1654.9137	2.1851	407.5898	185.1788
2025	Control	0.0232	13.8442	3.4403	0.0453	3.9657	0.9111
2025	Freshwater	0.0000	35.8056	3.8120	0.0000	9.3896	1.6037
2025	Saltwater	1.4007	392.6059	55.8079	0.8630	75.5324	14.9716

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	34.2586	4.1946	0	16.0863	2.4399
Freshwater	0	211.2593	11.6451	0	28.2839	4.9013
Saltwater	0	3706.9076	1220.1247	0	457.3600	140.8762

##Write out summarized data