

TEMPEST: Porewater pH

2024-2025 Samples

2026-02-02

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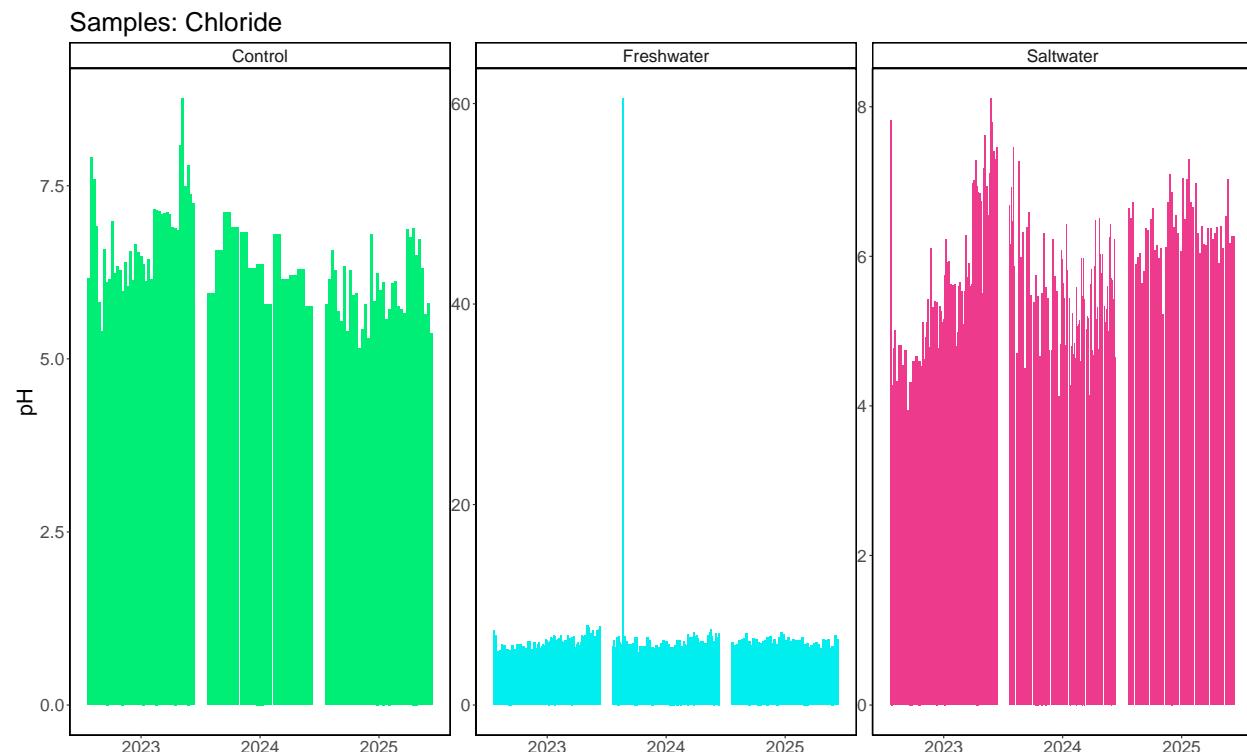
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##Grab 2023 and 2024 and 2025 All Data Files

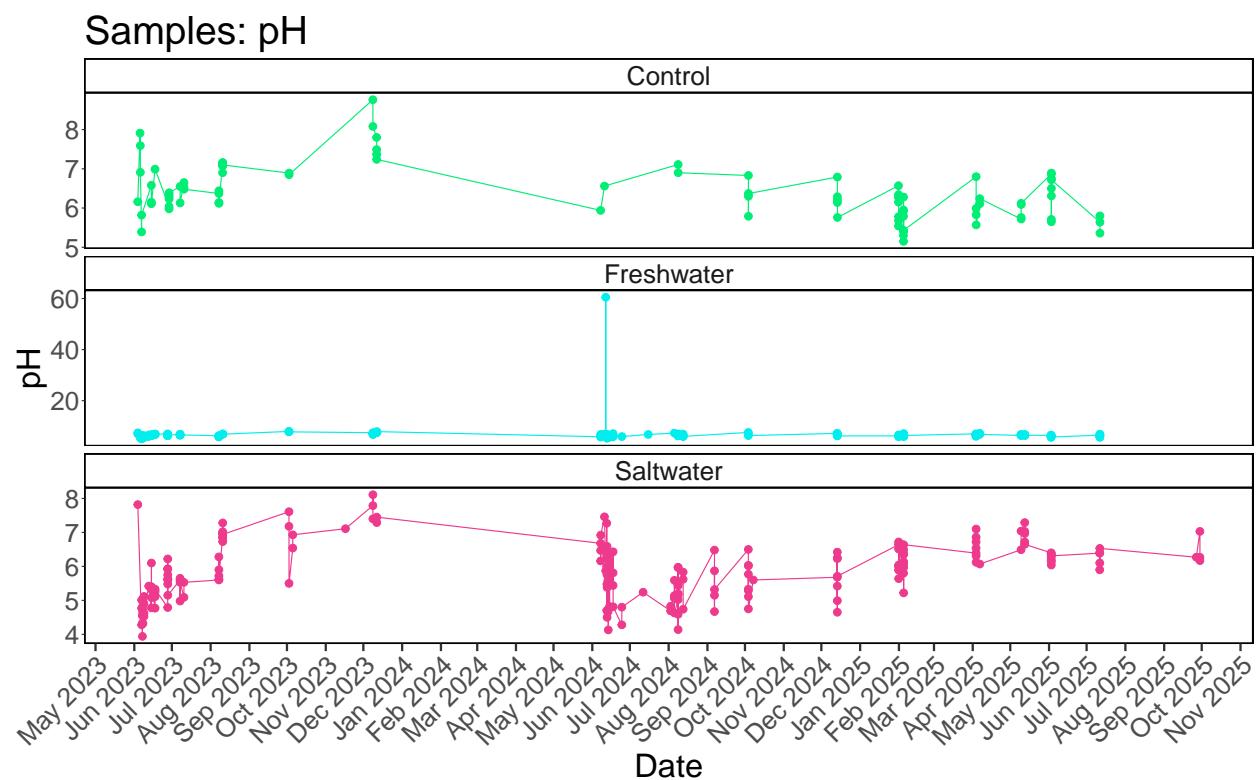
##Make Relevant Metadata Sheet

##Write out files

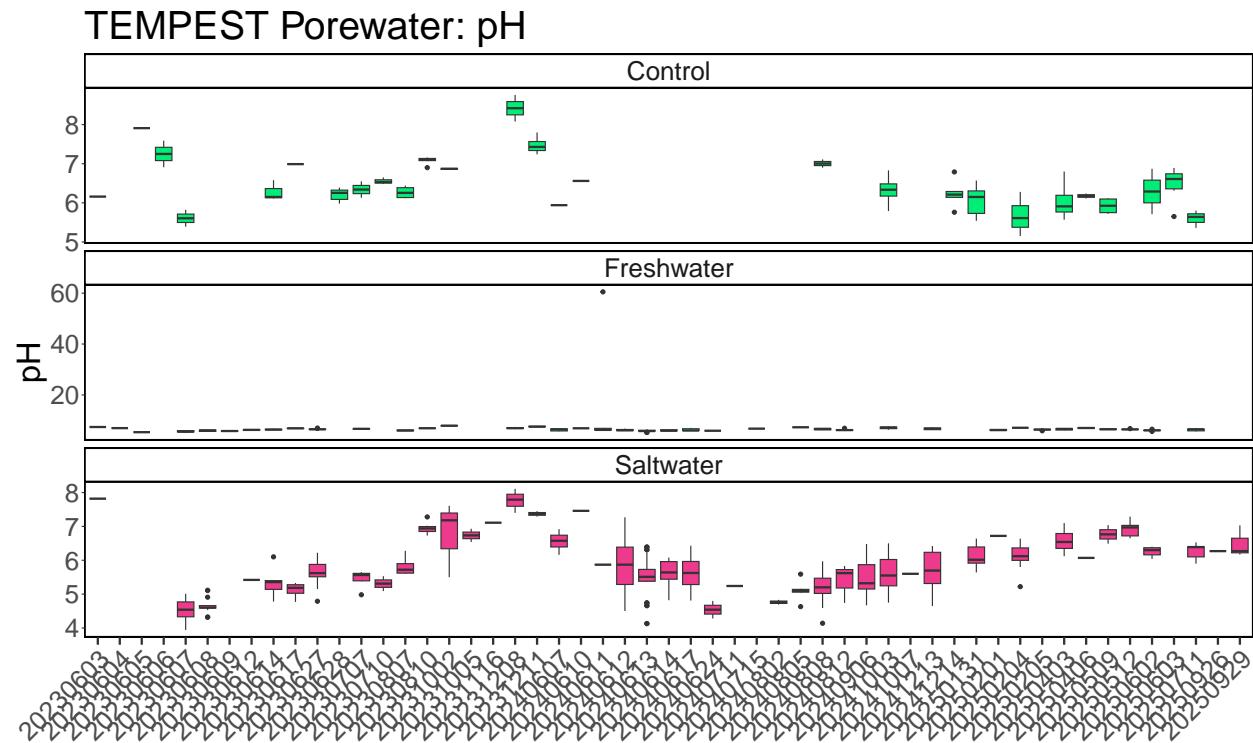
0.1 Visualize Data by Zone



0.2 Summarized data for Site and Zone



0.3 Boxplot summary



```
##Calculate summary metrics
```

0.4 Summary Tables

Table 1: Summary Statistics by Year

Year	Zone_1	min_pH	max_pH	mean_pH
2023	Control	5.39	8.76	6.7678
2023	Freshwater	5.03	7.95	6.3405
2023	Saltwater	3.94	8.11	5.5886
2024	Control	5.76	7.11	6.3838
2024	Freshwater	5.27	60.50	6.8430
2024	Saltwater	4.13	7.46	5.5557
2025	Control	5.15	6.89	5.9994
2025	Freshwater	5.63	7.21	6.3802
2025	Saltwater	5.22	7.29	6.3652

```
##Write out summarized data
```

Table 2: Summary Statistics by Zone

Zone_1	min_pH	max_pH	mean_pH
Control	5.15	8.76	6.4050
Freshwater	5.03	60.50	6.5620
Saltwater	3.94	8.11	5.7443