

# TEMPEST: Porewater/Sourcewater DOC

2022-2025 Samples

2026-02-23

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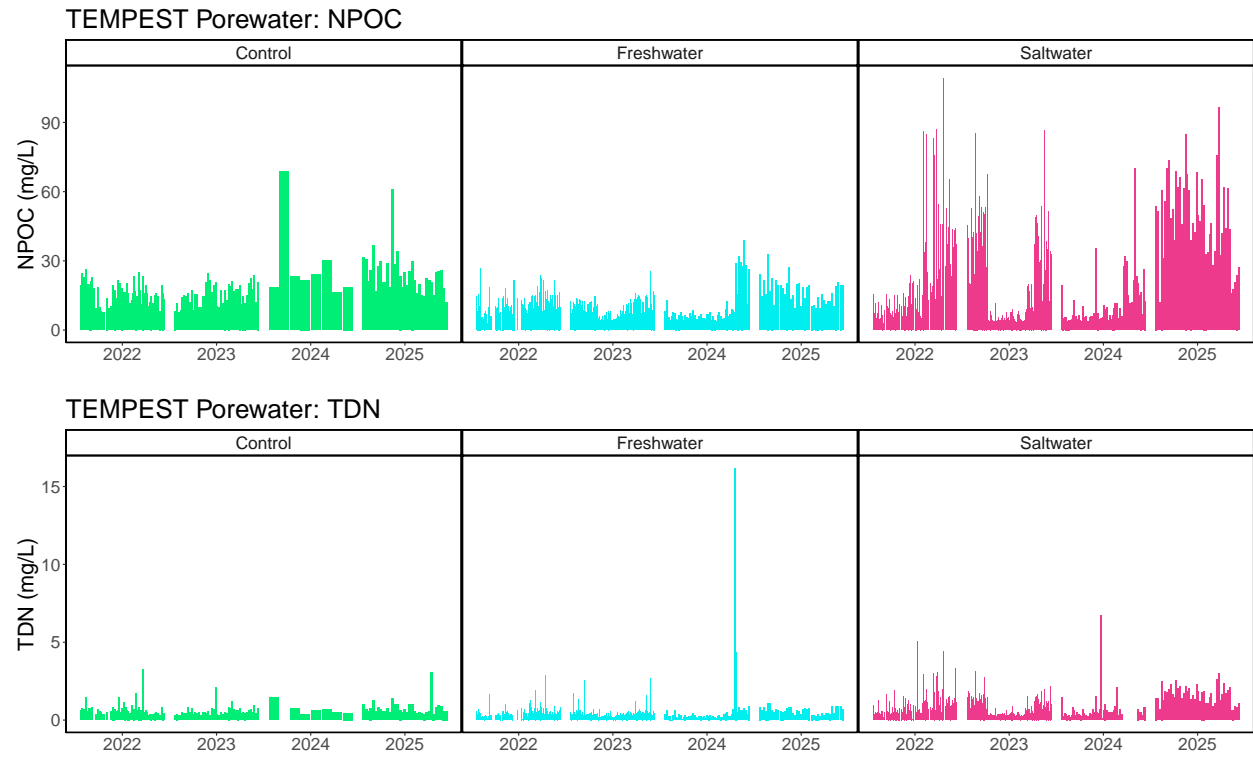
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##Grab 2023 and 2024 and 2025 All Data Files

##Make Relevant Metadata Sheet

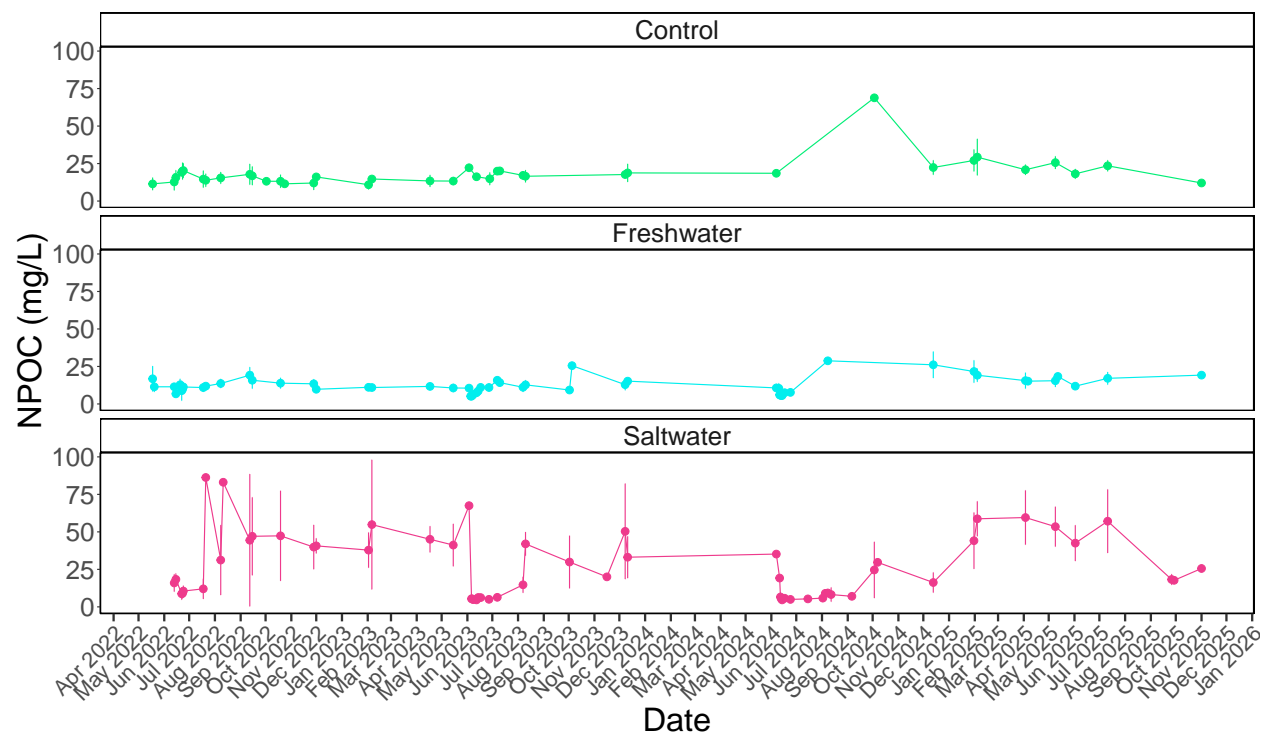
##Write out files

## 0.1 Visualize Porewater Data by Plot

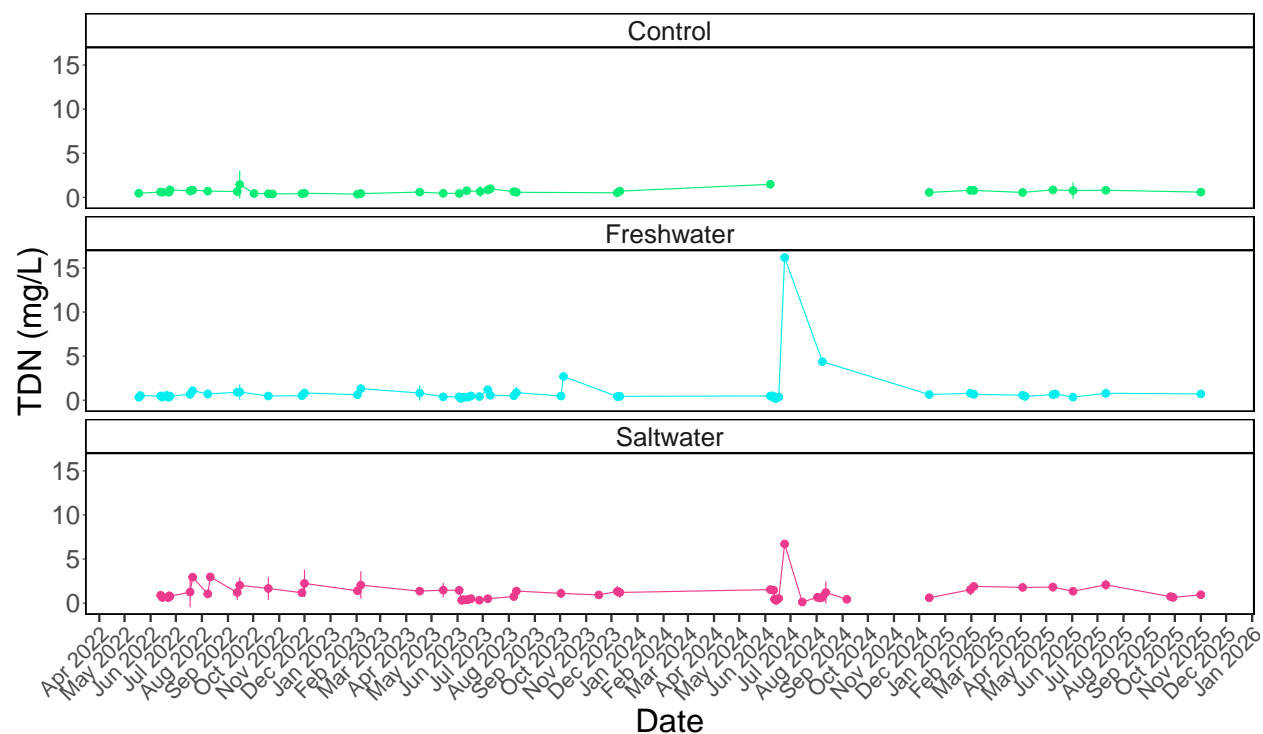


## 0.2 Summarized Porewater data for Plot and Collection Date

### TEMPEST Porewater: NPOC

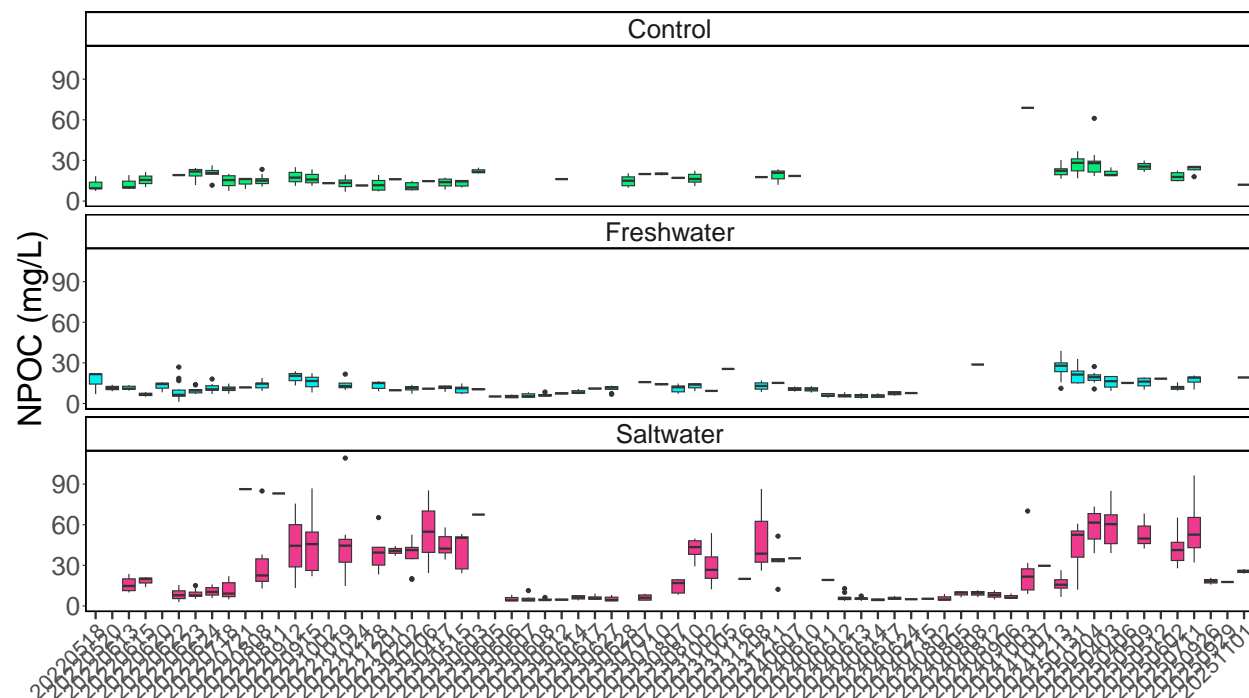


### TEMPEST Porewater: TDN

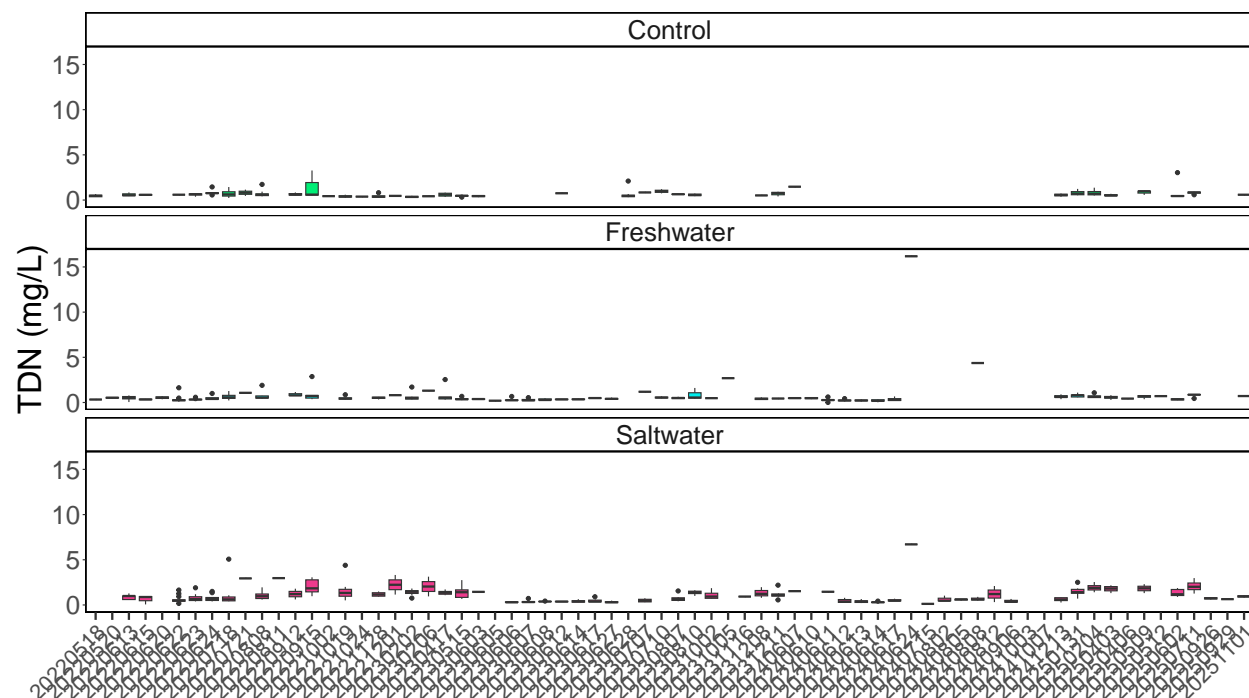


### 0.3 Boxplot summary for Porewater

#### TEMPEST Porewater: NPOC

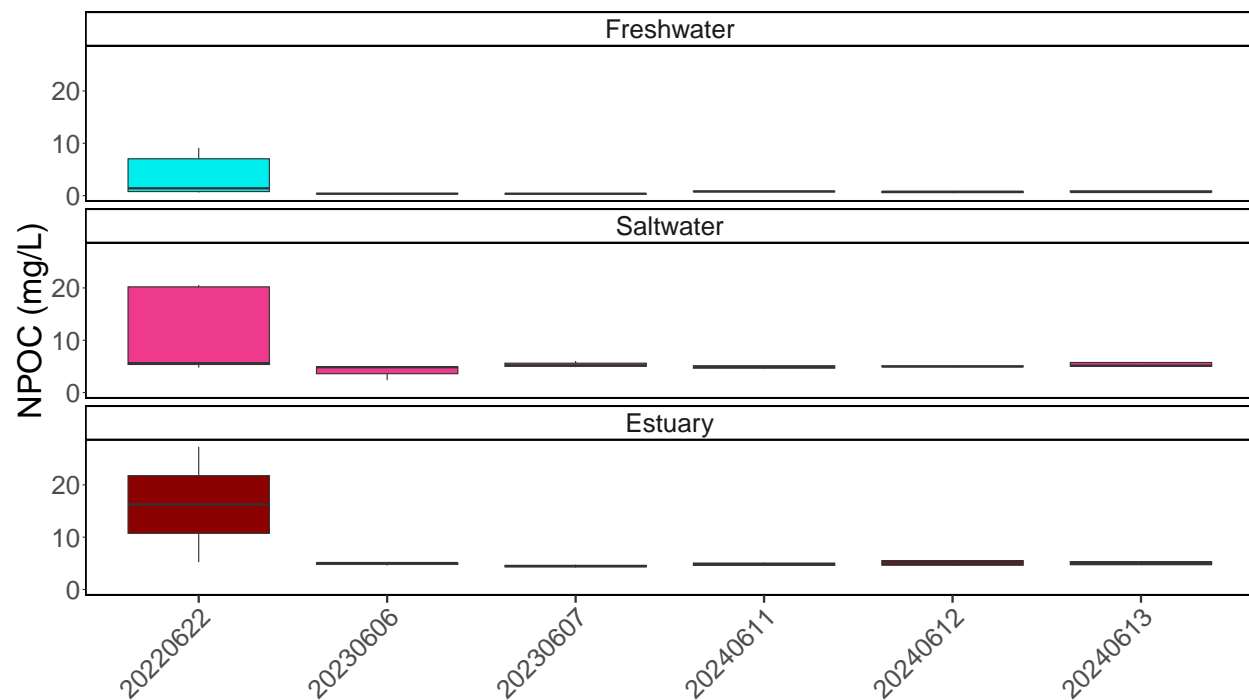


#### TEMPEST Porewater: TDN

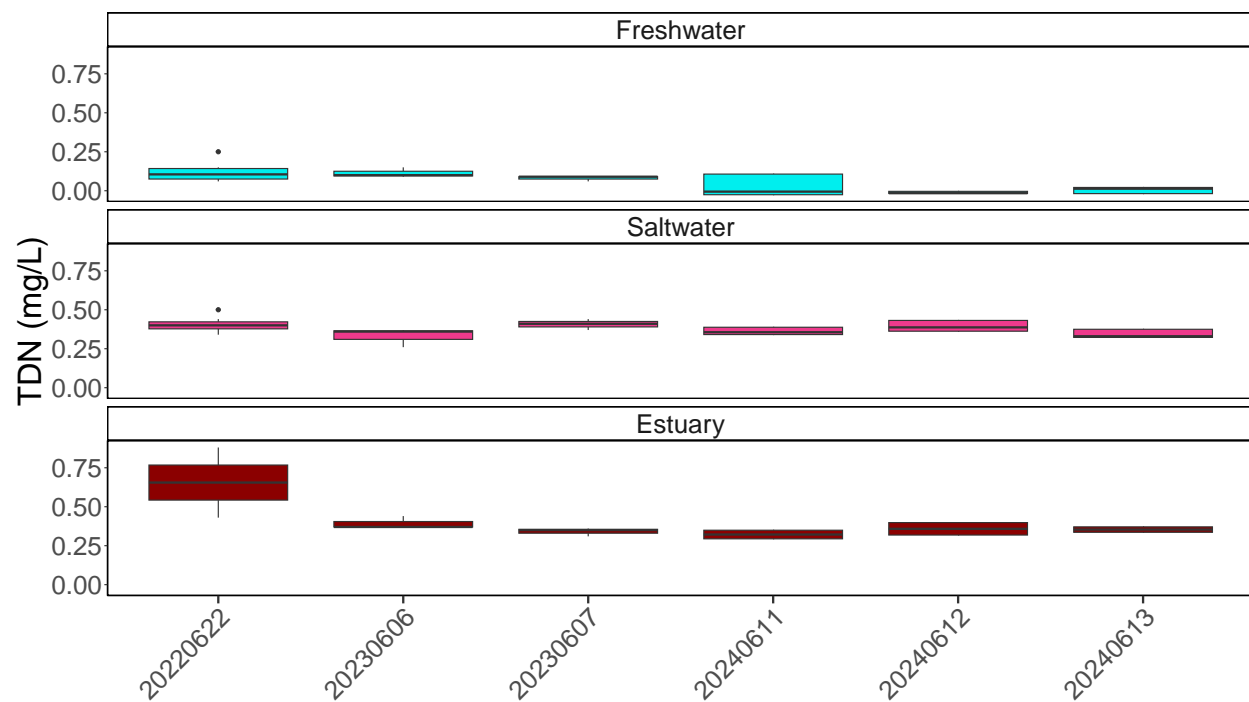


#### 0.4 Boxplot summary for Sourcewater

##### TEMPEST Sourcewater: NPOC



##### TEMPEST Sourcewater: TDN



##Calculate summary metrics for Porewater

##Calculate summary metrics for Sourcewater

## 0.5 Summary Tables for Porewater

Table 1: Porewater Summary Statistics by Year

Year	plot_1	min_npoc_mgL	max_npoc_mgL	mean_npoc_mgL	min_tdn_mgL	max_tdn_mgL	mean_tdn_mgL
2022	Control	6.900	26.29	14.7223	0.2300	3.270	0.6245
2022	Freshwater	1.270	26.89	12.0619	0.0500	2.870	0.5343
2022	Saltwater	2.780	109.20	24.2243	0.0600	5.070	1.1134
2023	Control	7.770	24.67	15.5587	0.2700	2.100	0.5667
2023	Freshwater	4.035	25.54	9.9602	0.1800	2.690	0.4963
2023	Saltwater	3.520	86.41	22.4443	0.2500	3.130	0.8648
2024	Control	16.430	68.83	27.6988	0.3660	1.475	0.6847
2024	Freshwater	3.634	38.88	9.6546	0.0068	16.180	0.6863
2024	Saltwater	3.641	70.10	11.1744	0.1210	6.704	0.6677
2025	Control	12.050	61.09	24.1714	0.3898	3.034	0.7605
2025	Freshwater	9.244	32.94	16.6044	0.2566	1.094	0.6025
2025	Saltwater	11.990	96.36	49.0139	0.6051	2.976	1.6333

Table 2: Porewater Summary Statistics by Grid

plot_1	min_npoc_mgL	max_npoc_mgL	mean_npoc_mgL	min_tdn_mgL	max_tdn_mgL	mean_tdn_mgL
Control	6.90	68.83	17.6786	0.2300	3.270	0.6408
Freshwater	1.27	38.88	11.5792	0.0068	16.180	0.5627
Saltwater	2.78	109.20	24.9321	0.0600	6.704	1.0345

## 0.6 Summary Tables for Sourcewater

Table 3: Sourcewater Summary Statistics by Year

Year	plot_1	min_npoc_mgL	max_npoc_mgL	mean_npoc_mgL	min_tdn_mgL	max_tdn_mgL	mean_tdn_mgL
2022	Freshwater	0.5900	9.1200	3.6633	0.0600	0.2500	0.1233
2022	Saltwater	4.7650	20.5500	11.7229	0.3400	0.5000	0.4057
2022	Estuary	5.2300	27.2700	16.2500	0.4300	0.8800	0.6550
2023	Freshwater	0.2900	0.4800	0.3733	0.0600	0.1500	0.0967
2023	Saltwater	2.3700	6.0300	4.7200	0.2600	0.4400	0.3683
2023	Estuary	4.1800	5.0700	4.6817	0.3100	0.4400	0.3667
2024	Freshwater	0.5653	0.8965	0.7471	-0.0256	0.1068	0.0060
2024	Saltwater	4.6680	5.7450	5.0599	0.3225	0.4316	0.3659
2024	Estuary	4.6210	5.5300	4.9855	0.2940	0.3982	0.3444

##Write out summarized data