

PROJECT HEADWATERS - YANKEE RUN

Yankee Run is a small headwater tributary of Paradise Creek. It originates near the intersection of Routes 611 and 940, north of the Borough of Mt. Pocono. It was formerly the water source for the Fairview Water Company which supplied water to the Borough of Mt. Pocono for many years.

Samples were taken on land owned by Pocono Heritage Land Trust, formerly owned by Fairview Water Company. Sampling locations: approximately 50 yards downstream of Crestwood Drive (Yankee Run 1), on the stream where it bypasses the reservoir (Yankee Run 2), and from the spring which feeds the former reservoir (Yankee Run 3). Data collected in the field included electrical conductivity and chloride ion concentrations. Lab analyses were done for chloride, calcium, and sodium ion concentrations.

Results were compared to data collected by the Monroe County Water Quality Study in 2020 at 40 sites.

Yankee Run #1	Water level	Field Conductivity uS/cm	Field Chloride mg/L	Chloride, mg/L LAB	Calcium mg/L LAB	Sodium mg/L LAB
6/30/2021	L	762	149	150	43	110
8/2/2021	L	679		130	37	96
8/23/2021	VH	277	38	47	16	38
9/7/2021	M	505	136	130	25	64
1/7/22	L	1035	264	260	56	130

Yankee Run #2	Water level	Field Conductivity uS/cm	Field Chloride mg/L	Chloride, mg/L LAB	Calcium mg/L LAB	Sodium mg/L LAB
6/30/2021	L	433	85	100	21	57
8/2/2021	L	463		100	21	63
8/23/2021	VH	292	38	49	18	38
9/7/2021	M	427	113	120	22	52
1/7/2022	L	823	226	210	40	97

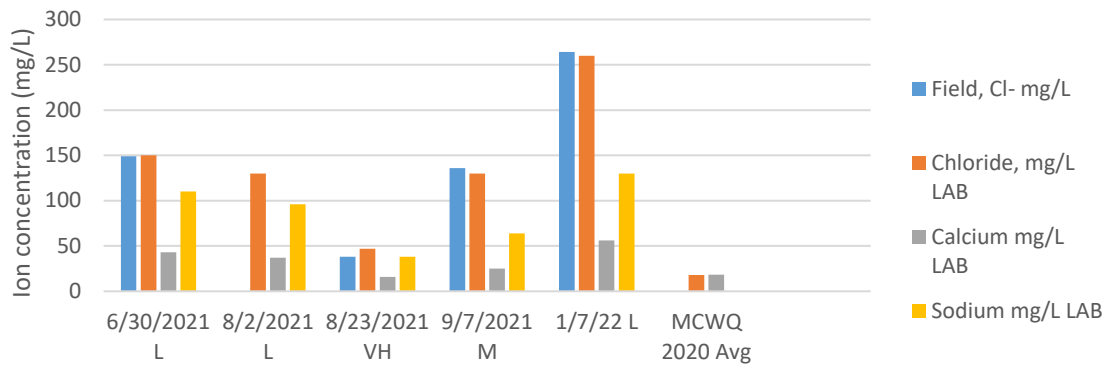
Yankee Run #3	Water level	Field Conductivity uS/cm	Field Chloride mg/L	Chloride, mg/L LAB	Calcium mg/L LAB	Sodium mg/L LAB
6/30/2021	L	635	179	180	30	98
8/2/2021	L	633		100	21	63
8/23/2021	VH	478	159	150	20	72
9/7/2021	M	882	285	270	38	110
1/7/2022	L	607	177	190	22	79

MCWQ 2020, Average 40 sites tested throughout the County

18.1 mg/l

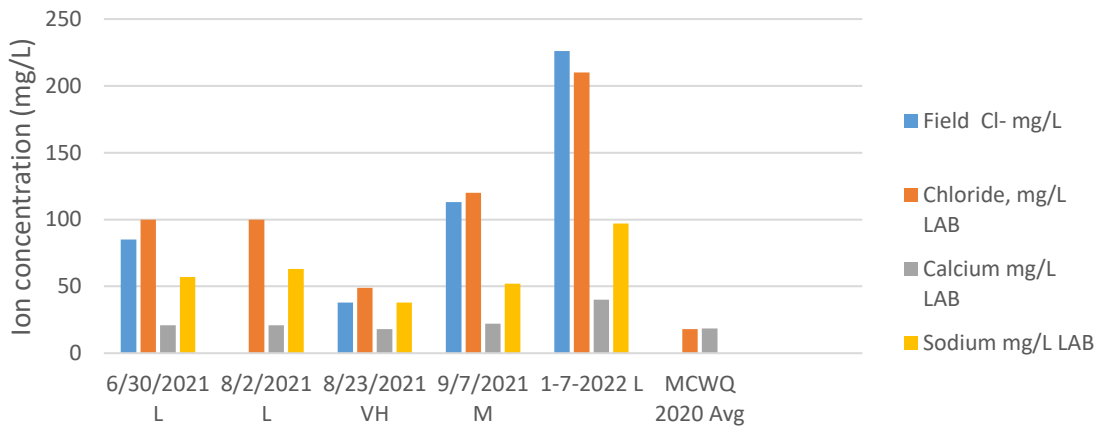
18.4 mg/l

Yankee Run #1: Upstream, below Crestwood Drive



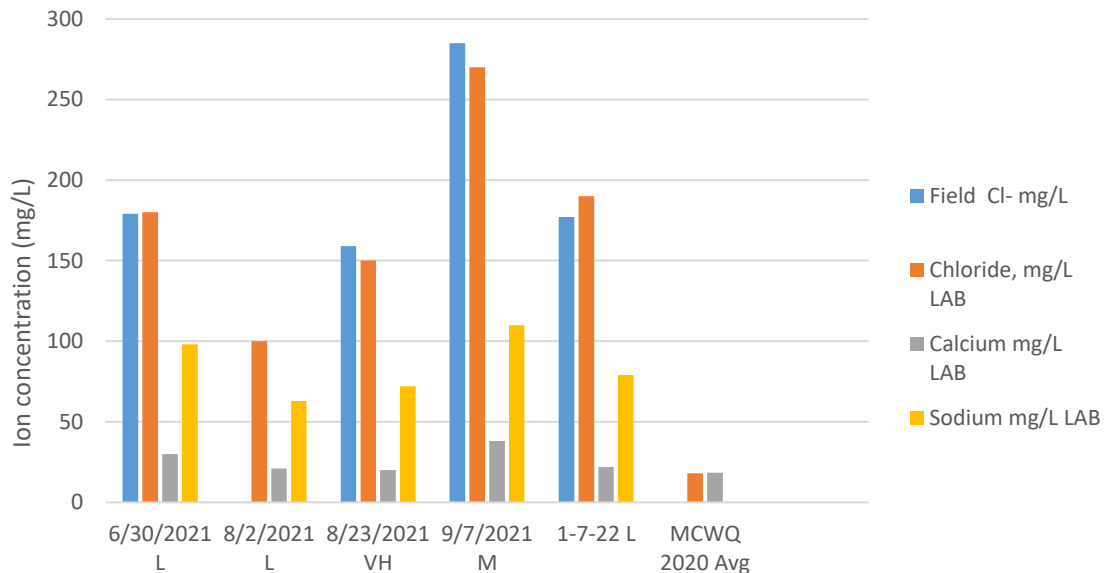
Sampling Date/Flow conditions: L=Low, M=Moderate, VH = Very high

Yankee Run #2: Adjacent to Former Reservoir



Sampling Date/Flow conditions: L=Low, M=Moderate, VH = Very high

Yankee Run #3: Reservoir Spring



Sampling Date/Flow conditions: L=Low, M=Moderate, VH = Very high