

PROJECT HEADWATERS – FOREST HILLS RUN

Forest Hills Run is a headwater tributary of Paradise Creek. The Borough of Mt. Pocono covers most of the drainage area at its origin. It receives stormwater runoff from Borough streets and the discharge from the Borough’s wastewater treatment plant.

The Forest Hills Run Study Area for this project covered sites on the property of Mt. Pocono Municipal Authority (MPMA) upstream of the treatment plant discharge point. Sampling locations: Forest Hills Run at upstream MPMA boundary (FHR A), a tributary at the large culvert under railroad tracks (FHR B), a tributary from a drain located near the Martz bus station (FHR C) Both tributaries receive drainage from Route 611 and businesses along 611. 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.

FHR A Upstream	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	no test				
8/2/2021	L	331		53	23	39
8/23/2021	VH	194	32	36	12	25
9/7/2021	M	217	42	41	16	23
1/7/2022	L	333	65	60	24	35
FHR B trib at large RR culvert						
6/30/2021	L	631	165	170	30	75
8/2/2021	L	690		170	35	83
8/23/2021	VH	294	30	29	27	23
9/7/2021	M	641	192	200	28	76
1/7/2022	L	637	177	170	31	68
FHR C trib from bus station culvert						
6/30/2021	L	648	151	180	32	71
8/2/2021	L	660		170	32	70
8/23/2021	VH	624	159	180	33	68
9/7/2021	M	701	244	200	34	76
1/7/2022	L	644	192	180	32	69
MCWQ 2020 Average –40 sites				18.1	18.4	

