

New York State Department of Environmental Conservation
Bureau of Air Quality Surveillance
2007 Acid Deposition Annual Report

Station: Piseco Lake
 County: Hamilton
 Town: Arrietta
 Location: Piseco Lake Airport

Site #: 205001
 AIRS #: 360410005
 Locality: Rural
 Zoning: Commercial

Total Precipitation (Inches of Rain): 55.78
 Valid Sample Precipitation: 53.90
 Number of Visits: 52
 Number of Valid Visits: 52
 Number of Samples: 35
 Number of Valid Samples: 35
 Number of Visits With Precipitation Events: 49
 Number of Valid Visits With Precipitation Events: 49
 Number of Anion Analyses: 32
 Number of Cation Analyses: 33

Official Sampler

Elevation: 519 meters

	Precipitation <i>(Inches of Rain)</i>	Lab pH	SO4 IPPM	NO3 IPPM	CL IPPM	F IPPM	NO2 IPPM	Br IPPM	HPO4 IPPM	Na IPPM	NH4 IPPM	K IPPM	Ca IPPM	Mg IPPM	Lab Conductivity Micro s/cm
Maximum		5.480	4.445	1.963	0.401	0.004	0.006	0.000	0.047	0.212	1.647	0.136	2.912	0.052	37.50
Minimum		4.270	0.067	0.120	0.016	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.005	0.000	1.90

Precipitation Weighted Mean

1st Quarter	15.32	4.71	0.872	0.805	0.061	0.000	0.000	0.000	0.000	0.027	0.143	0.002	0.057	0.006	10.01
2nd Quarter	16.37	4.97	0.542	0.421	0.041	0.000	0.000	0.000	0.000	0.014	0.157	0.005	0.146	0.008	5.60
3rd Quarter	7.33	4.59	3.043	1.129	0.101	0.000	0.000	0.000	0.005	0.025	0.835	0.037	0.101	0.008	18.41
4th Quarter	16.76	4.76	1.140	0.868	0.094	0.000	0.001	0.000	0.000	0.015	0.278	0.003	0.032	0.004	10.89
Annual	55.78	4.77	1.070	0.736	0.069	0.000	0.000	0.000	0.000	0.019	0.274	0.007	0.082	0.006	10.03

Total Deposition

	H+ mg/m2	SO4 mg/m2	NO3 mg/m2	CL mg/m2	F mg/m2	NO2 mg/m2	Br mg/m2	HPO4 mg/m2	Na mg/m2	NH4 mg/m2	K mg/m2	Ca mg/m2	Mg mg/m2
1st Quarter	7.635	339.419	313.376	23.614	0.000	0.000	0.000	0.000	10.363	55.702	0.807	22.364	2.505
2nd Quarter	4.505	225.379	175.202	17.228	0.000	0.000	0.000	0.000	5.624	65.319	1.889	60.667	3.424
3rd Quarter	4.879								4.576	155.444	6.867	18.829	1.560
4th Quarter	7.446	485.429	369.638	40.067	0.000	0.628	0.000	0.000	6.417	118.414	1.130	13.635	1.545
Annual	24.465	1616.709	1068.392	99.660	0.074	0.628	0.000	0.939	26.980	394.879	10.693	115.495	9.034