

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2006 Acid Deposition Annual Report

Station: Camp Georgetown
 County: Madison
 Town: Georgetown
 Location: Camp Georgetown
 Crumkill Road

Site #: 265501
 AIRS #: 360530006
 Locality: Rural
 Zoning:

Total Precipitation (Inches of Rain): 58.06
 Valid Sample Precipitation: 58.06
 Number of Visits: 52
 Number of Valid Visits: 52
 Number of Samples: 40
 Number of Valid Samples: 40
Official Sampler
 Number of Visits With Precipitation Events: 51
 Number of Valid Visits With Precipitation Events: 51
 Number of Anion Analyses: 36
 Number of Cation Analyses: 38
 Number of Conductivity Analyses: 39
 Number of pH Analyses: 40

Elevation: 500 meters

	Precipitation (Inches of Rain)	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	5.80	4.73	3.034	5.028	0.531	0.021	0.000	0.122	0.000	0.877	1.382	0.073	0.446	0.144	33.80
Minimum	4.26	4.75	0.314	0.289	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.000	0.000	0.000	3.85

Precipitation Weighted Mean

1st Quarter	10.68	4.73	1.348	1.138	0.161	0.001	0.000	0.000	0.000	0.077	0.218	0.014	0.129	0.018	14.33
2nd Quarter	17.26	4.80	1.160	0.730	0.042	0.000	0.000	0.000	0.000	0.071	0.282	0.010	0.056	0.017	10.03
3rd Quarter	15.42	4.66	1.445	1.388	0.046	0.000	0.000	0.018	0.000	0.011	0.591	0.010	0.080	0.008	13.58
4th Quarter	14.70	4.75	0.950	0.707	0.052	0.000	0.000	0.000	0.000	0.024	0.182	0.001	0.065	0.008	9.64
Annual	58.06	4.73	1.193	0.935	0.068	0.000	0.000	0.004	0.000	0.043	0.328	0.008	0.079	0.013	11.70

Total Deposition

	H+	SO4	NO3	CL	F	NO2	Br	HPO4	Na	NH4	K	Ca	Mg
	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2	mg/m2
1st Quarter	5.035	365.763	308.794	43.654	0.203	0.000	0.000	0.000	21.008	59.089	3.737	35.003	4.979
2nd Quarter	7.047	508.543	320.083	18.567	0.000	0.000	0.000	0.000	31.027	123.554	4.231	24.354	7.664
3rd Quarter	8.611								4.121	231.312	4.021	31.339	2.968
4th Quarter	6.695	354.882	263.829	19.392	0.000	0.000	0.000	0.000	8.968	67.953	0.361	24.450	3.089
Annual	27.388	1,794.979	1,436.189	99.724	0.203	0.000	7.039	0.000	65.124	481.908	12.350	115.145	18.700

NOTE: DEPOSITION SHOWN MEETS 1) FOR QUARTERS, A MINIMUM OF 75% DATA CAPTURE AND
 2) FOR ANNUAL, A MINIMUM OF 75% DATA CAPTURE WITH EACH QUARTER >50% DATA CAPTURE

DATA CAPTURE = VALID SAMPLES WITH VALID PRECIPITATION FOR THE PERIOD / TOTAL PRECIPITATION FOR PERIOD