

# New York State Department of Environmental Conservation

## Bureau of Air Quality Surveillance

### 2007 Acid Deposition Annual Report

Station: Nick's Lake  
 County: Herkimer  
 Town: Webb  
 Location: Nick's Lake Campground

Site #: 216703  
 AIRS #: 360430005  
 Locality: Rural  
 Zoning: Agricultural

Total Precipitation (Inches of Rain): 49.22  
 Valid Sample Precipitation: 49.22  
 Number of Visits: 48  
 Number of Valid Visits: 44  
 Number of Samples: 44  
 Number of Valid Samples: 44  
 Number of Visits With Precipitation Events: 44  
 Number of Valid Visits With Precipitation Events: 40  
 Number of Anion Analyses: 33  
 Number of Cation Analyses: 36

#### Official Sampler

Elevation: 525 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
<b>Maximum</b>	6.350	4.57	3.762	4.256	0.240	0.032	0.013	0.000	0.000	0.121	2.459	0.061	0.552	0.094	36.60
<b>Minimum</b>	4.170	4.71	0.182	0.309	0.016	0.000	0.000	0.000	0.000	0.000	0.029	0.000	0.009	0.000	3.57

#### Precipitation Weighted Mean

<b>1st Quarter</b>	12.61	4.57	0.858	1.421	0.092	0.000	0.000	0.000	0.000	0.040	0.164	0.007	0.087	0.007	13.55
<b>2nd Quarter</b>	8.85	4.83	1.631	1.254	0.081	0.000	0.001	0.000	0.000	0.021	0.563	0.016	0.137	0.021	11.95
<b>3rd Quarter</b>	9.12	4.84	1.586	0.808	0.046	0.009	0.001	0.000	0.000	0.014	0.467	0.009	0.089	0.009	12.13
<b>4th Quarter</b>	18.64	4.71	1.233	1.205	0.077	0.000	0.002	0.000	0.000	0.039	0.448	0.023	0.054	0.009	14.02
<b>Annual</b>	49.22	4.71	1.254	1.225	0.078	0.001	0.001	0.000	0.000	0.033	0.417	0.017	0.083	0.011	13.15

#### 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
<b>1st Quarter</b>													
<b>2nd Quarter</b>	3.351								4.770	126.514	3.634	30.884	4.623
<b>3rd Quarter</b>													
<b>4th Quarter</b>	9.358	583.619	570.343	36.489	0.000	0.935	0.000	0.000	18.654	211.953	10.935	25.344	4.433
<b>Annual</b>	24.808								39.348	499.020	18.903	104.943	13.322