

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2007 Acid Deposition Annual Report

Station: Altmar
 County: Oswego
 Town: Altmar
 Location: Altmar Fish Hatchery
 Centerville Road
 (3/4 Mile North of Salmon River)
 Elevation: 178 meters

Site #: 372001
 AIRS #: 360750005
 Locality: Rural
 Zoning:

Official Sampler

Total Precipitation (Inches of Rain): 45.87
 Valid Sample Precipitation: 44.98
 Number of Visits: 53
 Number of Valid Visits: 53
 Number of Samples: 41
 Number of Valid Samples: 41
 Number of Visits With Precipitation Events: 48
 Number of Valid Visits With Precipitation Events: 48
 Number of Anion Analyses: 35
 Number of Cation Analyses: 37

	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	6.160	4.57	3.102	4.466	0.695	0.000	0.022	0.022	0.000	0.382	2.093	0.313	0.503	0.097	36.80
Minimum	4.210	4.74	0.208	0.394	0.022	0.000	0.000	0.000	0.000	0.002	0.052	0.000	0.014	0.002	5.36
<u>Precipitation Weighted Mean</u>															
1st Quarter	14.14	4.57	1.295	1.889	0.310	0.000	0.000	0.001	0.000	0.177	0.336	0.017	0.154	0.034	17.62
2nd Quarter	7.67	4.81	1.752	1.354	0.096	0.000	0.000	0.000	0.000	0.043	0.612	0.031	0.173	0.035	13.88
3rd Quarter	7.37	4.89	2.048	1.176	0.074	0.000	0.003	0.000	0.000	0.023	0.655	0.048	0.147	0.018	12.95
4th Quarter	16.69	4.74	1.419	1.279	0.058	0.000	0.002	0.000	0.000	0.038	0.350	0.010	0.091	0.016	13.45
Annual	45.87	4.71	1.526	1.457	0.140	0.000	0.001	0.000	0.000	0.075	0.445	0.022	0.133	0.025	14.67

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	9.739	465.071	678.602	111.267	0.000	0.000	0.313	0.000	63.595	120.590	5.950	55.157	12.090
2nd Quarter	3.032	341.349	263.798	18.715	0.000	0.000	0.000	0.000	8.359	119.264	6.034	33.741	6.760
3rd Quarter	2.453								4.285	122.692	9.021	27.568	3.406
4th Quarter	7.775	601.659	542.312	24.505	0.000	0.784	0.000	0.000	16.073	148.396	4.409	38.626	6.978
Annual	22.999	1791.490	1704.898	168.417	0.000	1.396	0.313	0.000	92.311	510.942	25.413	155.092	29.234