

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2005 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): 47.99
 Valid Sample Precipitation: 46.27
 Number of Visits: 49
 Number of Valid Visits: 49
 Number of Samples: 36
 Number of Valid Samples: 36
 Number of Visits With Precipitation Events: 46
 Number of Valid Visits With Precipitation Events: 46
 Number of Anion Analyses: 36
 Number of Cation Analyses: 36
 Number of Conductivity Analyses: 36
 Number of pH Analyses: 36

	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	5.88	5.865	5.142	1.081	0.381	0.058	0.093	0.298	0.494	2.113	0.187	0.856	0.122	51.00	
Minimum	4.12	0.205	0.289	0.000	0.000	0.000	0.000	0.000	0.002	0.031	0.000	0.000	0.000	3.17	

Precipitation Weighted Mean

1st Quarter	7.55	4.50	2.278	1.917	0.365	0.030	0.027	0.019	0.001	0.221	0.468	0.020	0.164	0.024	25.14
2nd Quarter	9.29	4.66	1.866	1.616	0.092	0.017	0.001	0.000	0.040	0.039	0.614	0.050	0.209	0.032	16.98
3rd Quarter	15.08	4.63	1.566	1.545	0.061	0.005	0.004	0.000	0.000	0.014	0.489	0.015	0.132	0.027	16.49
4th Quarter	16.07	4.74	1.015	1.230	0.126	0.067	0.003	0.004	0.000	0.086	0.278	0.023	0.127	0.023	11.82
Annual	47.99	4.65	1.551	1.510	0.139	0.033	0.007	0.004	0.008	0.078	0.437	0.026	0.151	0.026	16.38

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	6.043	436.943	367.650	69.923	5.734	5.184	3.683	0.114	42.337	89.742	3.868	31.487	4.651
2nd Quarter	5.169	440.289	381.218	21.760	3.966	0.304	0.000	9.383	9.253	144.844	11.896	49.319	7.609
3rd Quarter	8.990	599.716	591.817	23.238	1.934	1.487	0.000	0.000	5.458	187.451	5.884	50.647	10.170
4th Quarter	7.569	414.336	501.857	51.280	27.418	1.089	1.552	0.000	35.080	113.296	9.439	51.695	9.304
Annual	27.771	1,891.283	1,842.542	166.200	39.053	8.064	5.236	9.497	92.128	535.333	31.087	183.148	31.734

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