

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2006 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): 50.88
 Valid Sample Precipitation: 50.11
 Number of Visits: 50
 Number of Valid Visits: 50
 Number of Samples: 37
 Number of Valid Samples: 37
 Number of Visits With Precipitation Events: 47
 Number of Valid Visits With Precipitation Events: 47
 Number of Anion Analyses: 32
 Number of Cation Analyses: 35
 Number of Conductivity Analyses: 34
 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	5.90	6.649	3.342	0.748	0.045	0.020	0.000	0.000	0.000	0.415	1.882	0.141	0.721	0.106	50.90
Minimum	3.98	0.390	0.446	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.062	0.000	0.000	0.004	3.79

Precipitation Weighted Mean

1st Quarter	8.63	4.68	1.825	2.452	0.318	0.000	0.000	0.000	0.000	0.175	0.441	0.021	0.303	0.046	22.37
2nd Quarter	9.04	4.80	1.606	1.246	0.097	0.006	0.000	0.000	0.000	0.061	0.639	0.078	0.115	0.033	13.88
3rd Quarter	10.68	4.55	3.027	1.582	0.161	0.000	0.000	0.000	0.000	0.036	0.694	0.017	0.135	0.022	18.37
4th Quarter	22.53	4.70	1.236	1.059	0.072	0.000	0.001	0.000	0.000	0.035	0.268	0.010	0.130	0.029	11.88
Annual	50.88	4.68	1.636	1.418	0.134	0.001	0.000	0.000	0.000	0.063	0.441	0.022	0.161	0.031	15.22

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	4.591	400.117	537.529	69.763	0.000	0.000	0.000	0.000	38.357	96.775	4.547	66.361	10.136
2nd Quarter	3.692	368.868	286.209	22.386	1.272	0.000	0.000	0.000					
3rd Quarter	7.794								9.788	188.334	4.627	36.702	5.847
4th Quarter	11.597	707.223	605.832	41.486	0.000	0.315	0.000	0.000	19.752	153.558	5.637	74.670	16.428
Annual	27.675	2,297.237	1,858.808	177.426	1.272	0.315	0.000	0.000	81.811	585.425	32.830	204.101	39.946

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