

New York State Department of Environmental Conservation

Bureau of Air Quality Surveillance

2007 Acid Deposition Annual Report

Station: Eisenhower Park CAM
 County: Nassau
 Town: Hempstead
 Location: Eisenhower Park (Merrick Ave)
 (Across from Roosevelt Raceway)

Site #: 295010
 AIRS #: 360590005
 Locality: Suburban
 Zoning: Residential, Comm

Total Precipitation (Inches of Rain): 53.23
 Valid Sample Precipitation: 52.92
 Number of Visits: 53
 Number of Valid Visits: 53
 Number of Samples: 43
 Number of Valid Samples: 43
 Number of Visits With Precipitation Events: 49
 Number of Valid Visits With Precipitation Events: 49
 Number of Anion Analyses: 40
 Number of Cation Analyses: 39

Official Sampler

Elevation: 27 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		5.780	5.216	3.381	4.109	0.015	0.018	0.000	0.000	2.208	1.349	0.081	0.388	0.197	42.60
Minimum		4.090	0.133	0.060	0.130	0.000	0.000	0.000	0.000	0.038	0.027	0.000	0.008	0.005	3.90

Precipitation Weighted Mean

1st Quarter	10.36	4.62	1.486	0.938	1.191	0.000	0.000	0.000	0.000	0.626	0.238	0.023	0.097	0.065	17.18
2nd Quarter	12.50	4.68	1.608	0.904	1.597	0.000	0.000	0.000	0.000	0.883	0.294	0.036	0.086	0.083	18.90
3rd Quarter	16.12	4.37	2.563	1.197	0.353	0.003	0.000	0.000	0.000	0.162	0.352	0.010	0.066	0.019	24.63
4th Quarter	14.25	4.69	1.298	0.904	0.852	0.000	0.001	0.000	0.000	0.451	0.211	0.027	0.059	0.052	18.23
Annual	53.23	4.55	1.798	1.001	0.935	0.001	0.000	0.000	0.000	0.504	0.278	0.024	0.075	0.052	20.23

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	6.405	391.025	246.879	313.355	0.000	0.000	0.000	0.000	164.764	62.639	6.019	25.640	17.003
2nd Quarter	6.755	510.482	286.948	506.945	0.000	0.000	0.000	0.000	280.264	93.458	11.555	27.445	26.324
3rd Quarter	17.588	1049.284	490.263	144.411	1.045	0.000	0.000	0.000	66.326	143.973	3.980	27.085	7.824
4th Quarter	7.488	469.655	327.307	308.388	0.090	0.338	0.000	0.000	163.093	76.473	9.890	21.290	18.918
Annual	38.236	2420.445	1351.397	1273.100	1.135	0.338	0.000	0.000	674.446	376.542	31.445	101.459	70.069