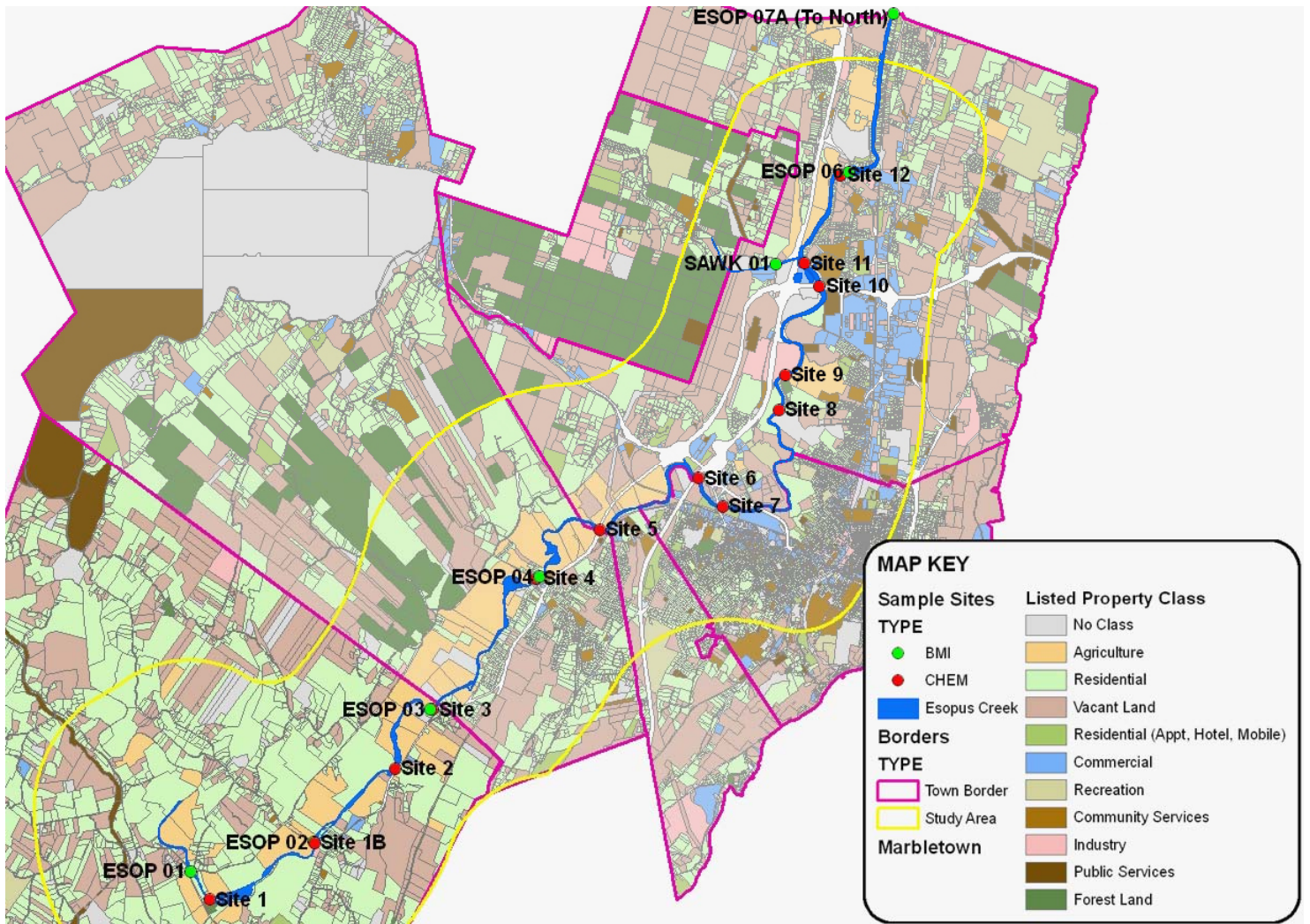


Appendix

1. Site Map
2. Biological Data
3. Biological site Photos
4. Sampling Dates
5. Weather Data
6. Chemical Data

1. Site Map



2. Biological Data

	Total
ESOP 01	100
EPHEMEROPTERA	
Baetidae	19
Heptageniidae	3
Isonychiidae	8
PLECOPTERA	
Perlidae	4
Pteronarcyidae	1
MEGALOPTERA	0
LEPIDOPTERA (L)	0
COLEOPTERA (C)	
Elmidae	2
Gyrinidae	2
ODONATA (O)	0
AMPHIPODA (A)	0
TRICHOPTERA (T)	
Hydropsychidae	36
Philopotamidae	2
Polycentropodidae	5
DIPTERA (D)	
Tipulidae	1
Chironomidae	7
Empididae	5
Simuliidae	1
ISOPODA (I)	0
DECAPODA (I)	0
OTHER	
Oligochaeta	1
UNKNOWN	3

	Total
ESOP 02	100
EPHEMEROPTERA	
Heptageniidae	3
Isonychiidae	1
PLECOPTERA	0
MEGALOPTERA	
Corydalidae	1
LEPIDOPTERA (L)	0
COLEOPTERA (C)	
Elmidae	4
Gyrinidae	1
ODONATA (O)	0
AMPHIPODA (A)	0
TRICHOPTERA (T)	
Hydropsychidae	35
Philopotamidae	1
DIPTERA (D)	
Chironomidae	11
Empididae	12
Simuliidae	30
ISOPODA (I)	0
DECAPODA (I)	0
OTHER	
Oligochaeta	1

	Total
ESOP 04	100
EPHEMEROPTERA	
Baetidae	1
Heptageniidae	1
Siphonuridae	1
PLECOPTERA	
Perlidae	1
MEGALOPTERA	
Corydalidae	1
LEPIDOPTERA (L)	
Pyralidae	1
COLEOPTERA (C)	
Gyrinidae	1
ODONATA (O)	0
AMPHIPODA (A)	0
TRICHOPTERA (T)	
Hydropsychidae	40
DIPTERA (D)	
Chironomidae	8
Empididae	2
Simuliidae	11
ISOPODA (I)	0
DECAPODA (I)	
Cambaridae	3
OTHER	
Pelecypoda	1
UNKNOWN	28

	Total
ESOP 03	0
EPHEMEROPTERA	
Baetidae	2
PLECOPTERA	0
MEGALOPTERA	
Corydalidae	2
LEPIDOPTERA (L)	0
COLEOPTERA (C)	
Elmidae	2
ODONATA (O)	0
AMPHIPODA (A)	0
TRICHOPTERA (T)	
Hydropsychidae	27
Philopotamidae	4
DIPTERA (D)	
Tipulidae	1
Chironomidae	28
Empididae	25
Simuliidae	4
ISOPODA (I)	0
DECAPODA (I)	0
OTHER	
UNKNOWN	5

	Total
ESOP 07A	100
EPHEMEROPTERA	
Baetidae	8
Siphonuridae	2
PLECOPTERA	0
MEGALOPTERA	
Corydalidae	1
LEPIDOPTERA (L)	
Pyralidae	7
COLEOPTERA (C)	
Elmidae	17
Psephenidae	2
Gyrinidae	1
ODONATA (O)	
Calopterygidae	1
AMPHIPODA (A)	
Gammaridae	1
TRICHOPTERA (T)	
Hydropsychidae	19
Leptoceridae	1
Philopotamidae	6
DIPTERA (D)	
Tipulidae	1
Tabanidae	3
Chironomidae	30
ISOPODA (I)	0
DECAPODA (I)	0
OTHER	0

	Total
ESOP 06	100
EPHEMEROPTERA	
Baetidae	3
Heptageniidae	2
PLECOPTERA	0
MEGALOPTERA	0
LEPIDOPTERA (L)	
Pyralidae	9
COLEOPTERA (C)	0
ODONATA (O)	0
AMPHIPODA (A)	
Gammaridae	2
TRICHOPTERA (T)	
Hydropsychidae	9
Leptoceridae	1
DIPTERA (D)	
Chironomidae	40
Simuliidae	34
ISOPODA (I)	0
DECAPODA (I)	0
OTHER	0

	Total
SAWK 01	100
EPHEMEROPTERA	
Baetidae	8
Ephemerellidae	2
PLECOPTERA	
Chloroperlidae	6
MEGALOPTERA	0
LEPIDOPTERA (L)	0
COLEOPTERA (C)	
Elmidae	11
Psephenidae	10
ODONATA (O)	
Cordulegastridae	3
Calopterygidae	1
AMPHIPODA (A)	0
TRICHOPTERA (T)	
Hydropsychidae	33
Glossosomatidae	4
Philopotamidae	16
DIPTERA (D)	
Chironomidae	6
ISOPODA (I)	0
DECAPODA (I)	0
OTHER	0

***** The New York State Department of Environmental Conservation procedure guidelines for the taxonomic identification of BMIs states that identifications should be done out of sub samples of 100 organisms. Due to a lab error, not all sub samples numbered 100 organisms *****

3. Biological Site Photos



ESOP 01 Upstream



ESOP 01 Downstream



ESOP 02 Upstream



ESOP 02 Downstream



ESOP 03 Upstream



ESOP 03 Downstream



ESOP 04 Upstream



ESOP 04 Downstream



ESOP 06 Upstream



ESOP 06 Downstream



SAWK 01 Upstream



SAWK 01 Downstream

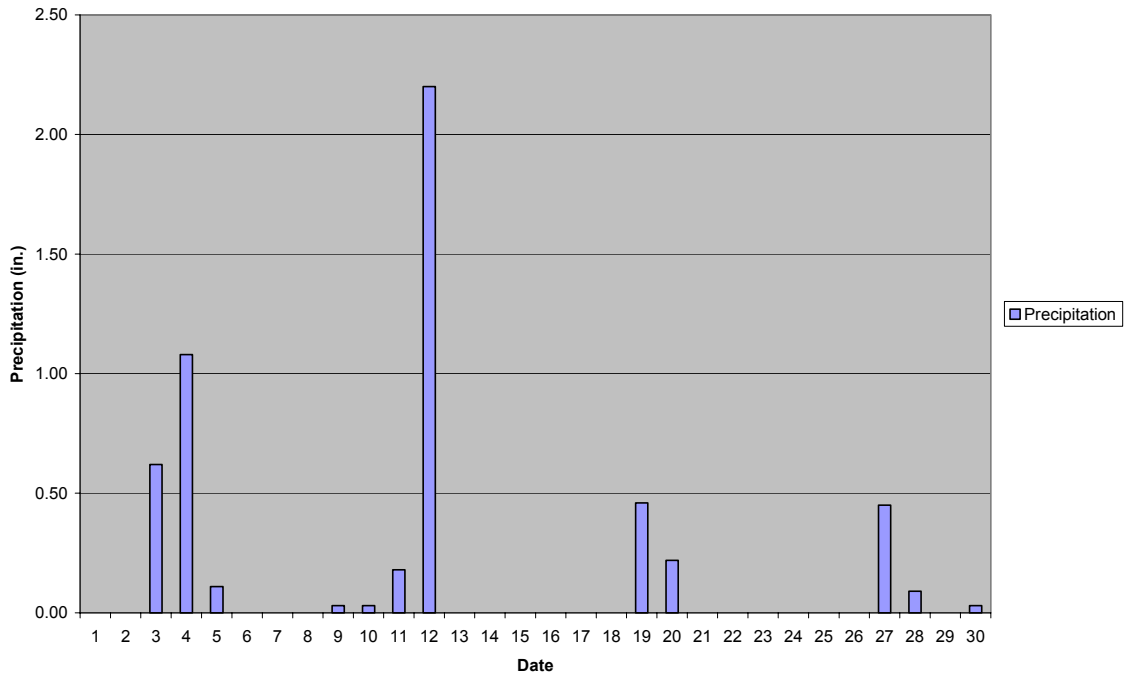
5. Weather Records

June 2007:

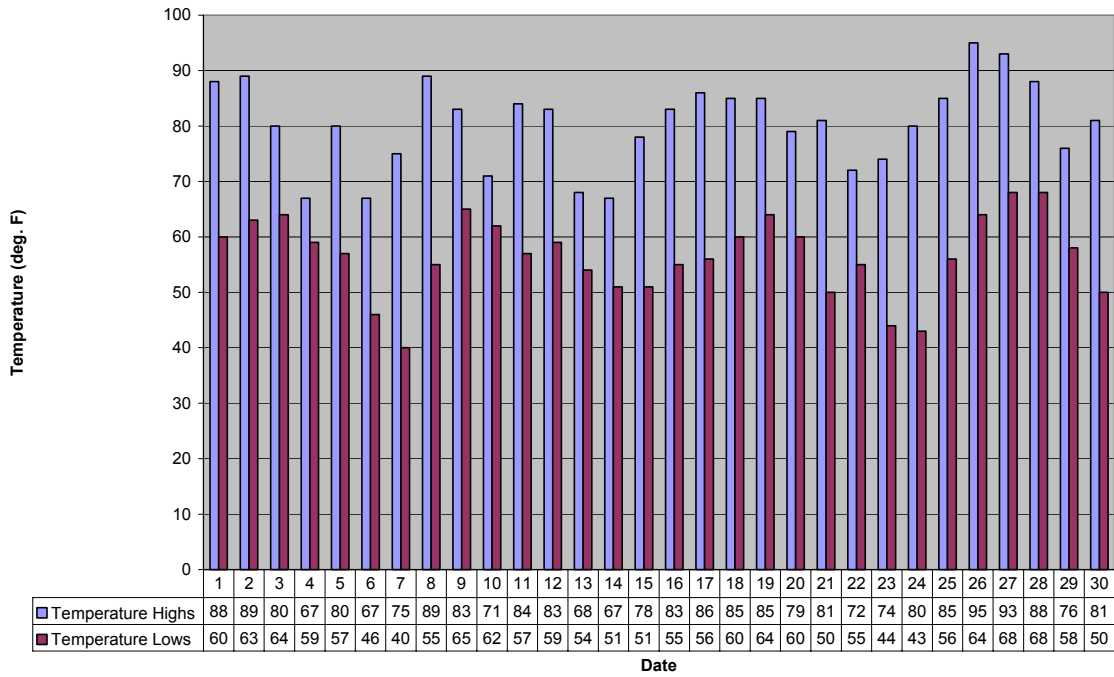
Weather Record For Esopus Sample Points--June 2007			
Date	Precipitation	Temperature High	Temperature Low
1	0.00	88	60
2	0.00	89	63
3	0.62	80	64
4	1.08	67	59
5	0.11	80	57
6	0.00	67	46
7	0.00	75	40
8	0.00	89	55
9	0.03	83	65
10	0.03	71	62
11	0.18	84	57
12	2.20	83	59
13	0.00	68	54
14	0.00	67	51
15	0.00	78	51
16	0.00	83	55
17	0.00	86	56

18	0.00	85	60
19	0.46	85	64
20	0.22	79	60
21	0.00	81	50
22	0.00	72	55
23	0.00	74	44
24	0.00	80	43
25	0.00	85	56
26	0.00	95	64
27	0.45	93	68
28	0.09	88	68
29	0.00	76	58
30	0.03	81	50

Precipitation June 2007



Temperature June 2007

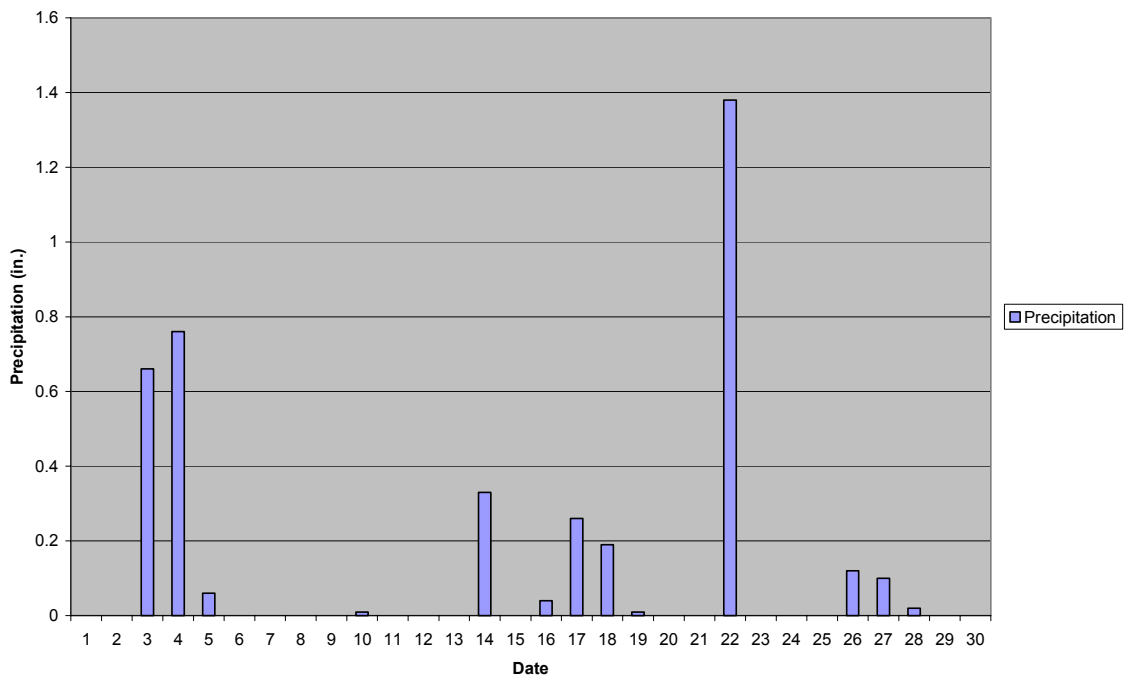


July 2007:

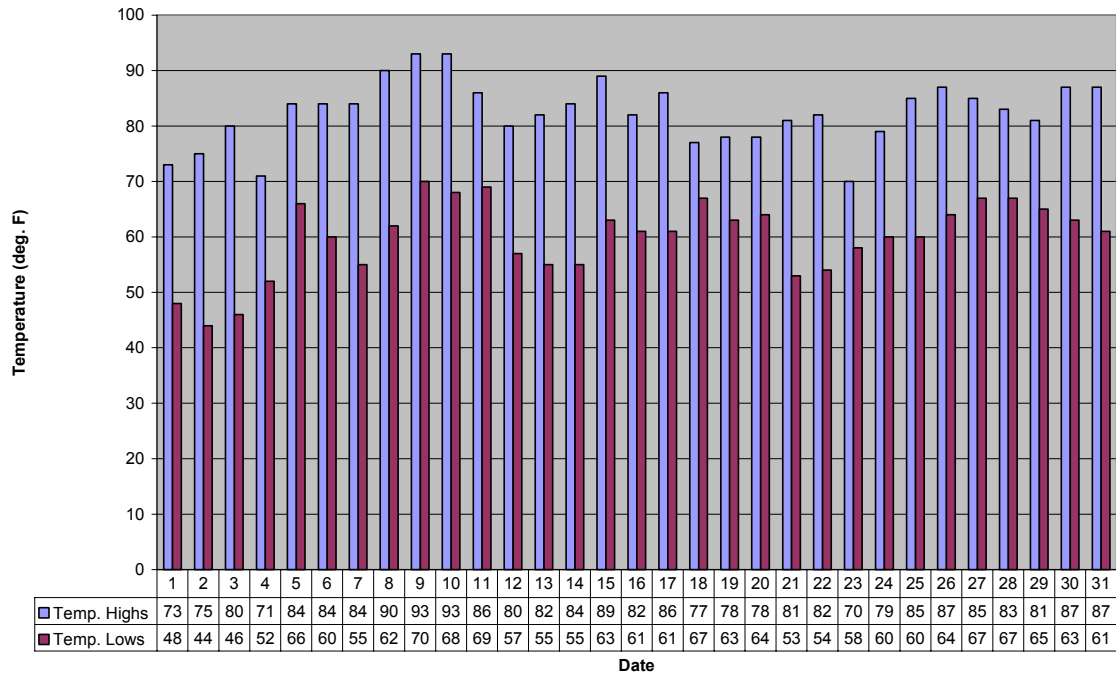
Weather Record For Esopus Sample Points--July 2007			
Date	Precipitation	Temperature High	Temperature Low
1	0.04	73	48
2	0	75	44
3	0	80	46
4	0.66	71	52
5	0.76	84	66
6	0.06	84	60
7	0	84	55
8	0	90	62
9	0	93	70
10	0	93	68
11	0.01	86	69
12	0	80	57
13	0	82	55
14	0	84	55
15	0.33	89	63
16	0	82	61
17	0.04	86	61
18	0.26	77	67
19	0.19	78	63
20	0.01	78	64

21	0	81	53
22	0	82	54
23	1.38	70	58
24	0	79	60
25	0	85	60
26	0	87	64
27	0.12	85	67
28	0.1	83	67
29	0.02	81	65
30	0	87	63
31	0	87	61

Precipitation July 2007



Temperatures July 2007

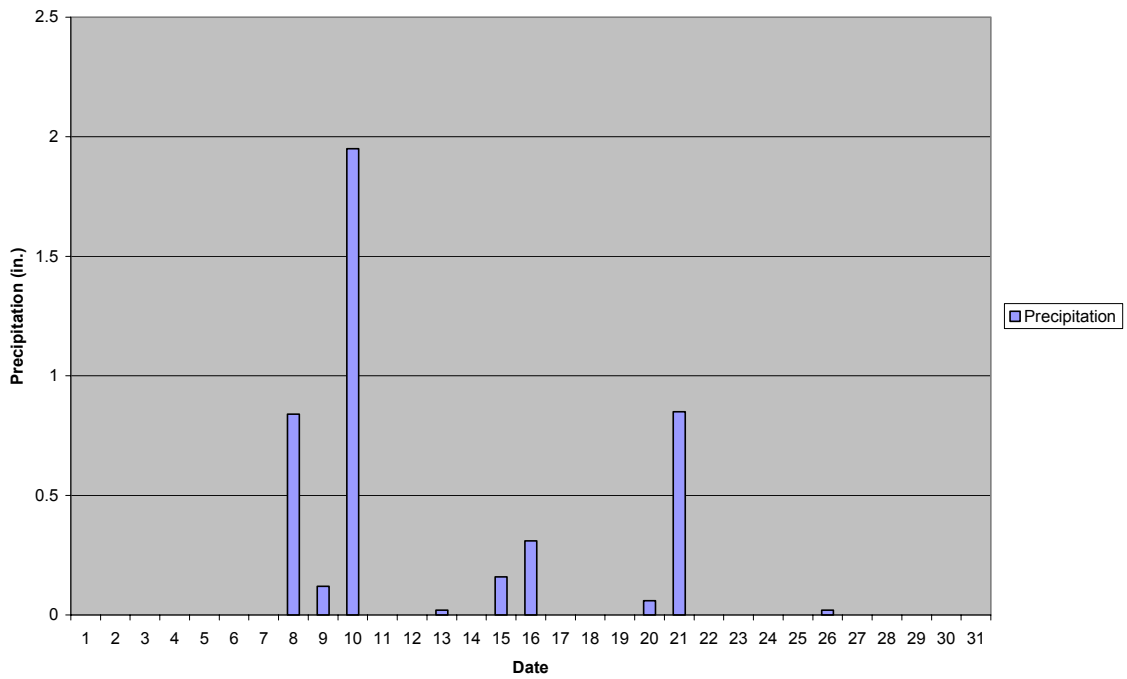


August 2007:

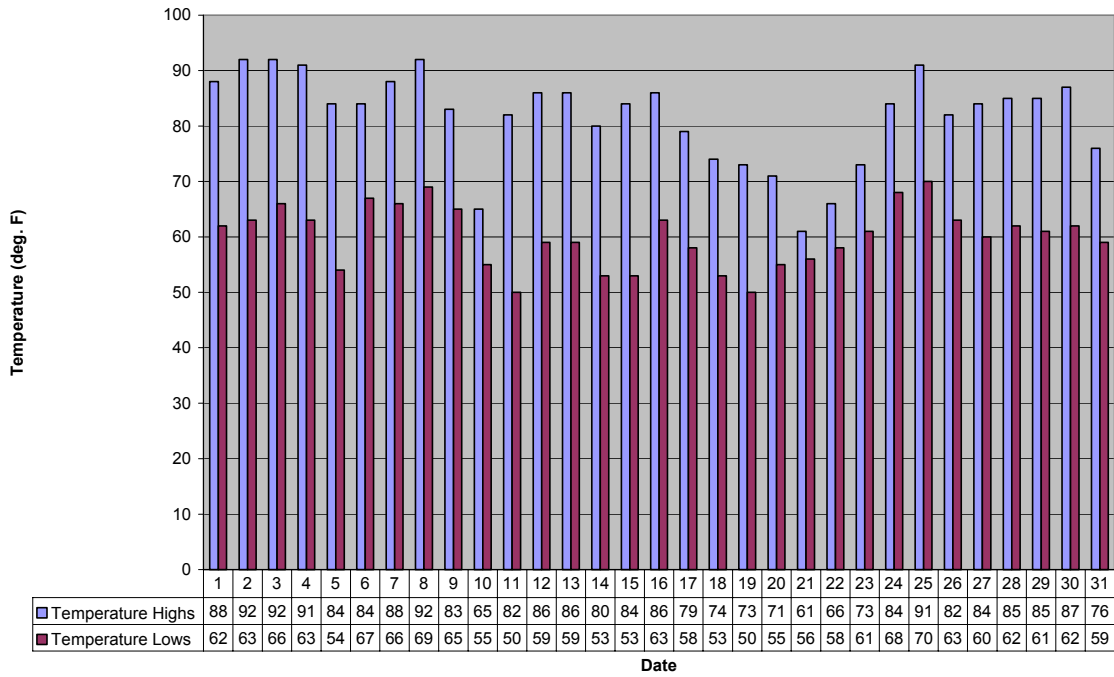
Weather Record For Esopus Sample Points--August 2007			
Date	Precipitation	Temperature High	Temperature Low
1	0	88	62
2	0	92	63
3		92	66
4	0	91	63
5	0	84	54
6		84	67
7		88	66
8	0.84	92	69
9	0.12	83	65
10	1.95	65	55
11	0	82	50
12	0	86	59
13	0.02	86	59
14	0	80	53
15	0.16	84	53
16	0.31	86	63
17	0	79	58
18	0	74	53
19	0	73	50

20	0.06	71	55
21	0.85	61	56
22	0	66	58
23	0	73	61
24	0	84	68
25		91	70
26	0.02	82	63
27	0	84	60
28	0	85	62
29	0	85	61
30		87	62
31	0	76	59

Precipitation August 2007



Temperature August 2007

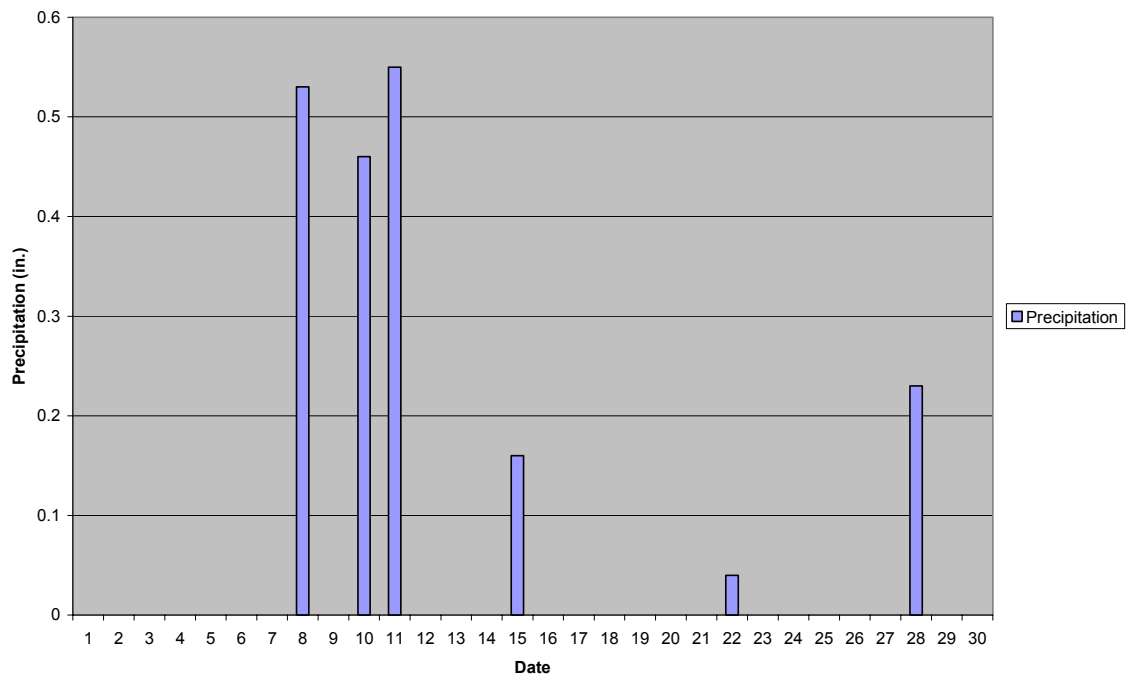


September 2007:

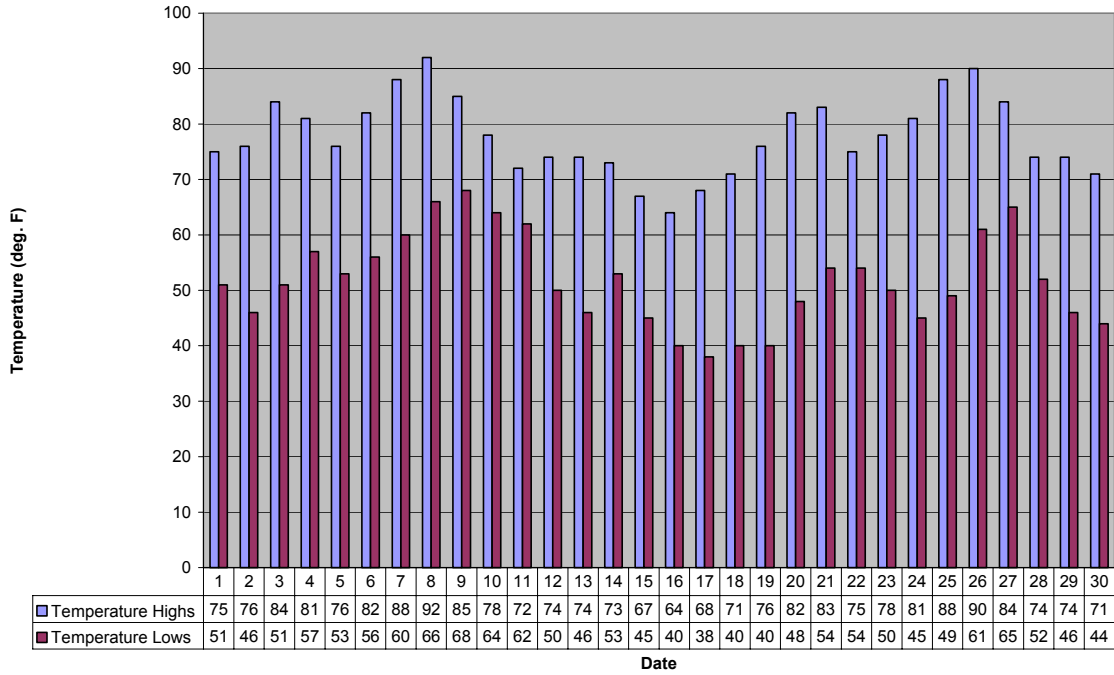
Weather Record For Esopus Sample Points--September 2007			
Date	Precipitation	Temperature High	Temperature Low
1	0	75	51
2	0	76	46
3	0	84	51
4	0	81	57
5	0	76	53
6	0	82	56
7	0	88	60
8	0.53	92	66
9	0	85	68
10	0.46	78	64
11	0.55	72	62
12	0	74	50
13	0	74	46
14	0	73	53
15	0.16	67	45
16	0	64	40
17	0	68	38
18	0	71	40
19	0	76	40
20	0	82	48

21	0	83	54
22	0.04	75	54
23	0	78	50
24	0	81	45
25	0	88	49
26	0	90	61
27		84	65
28	0.23	74	52
29	0	74	46
30	0	71	44

Precipitation September 2007



Temperature September 2007

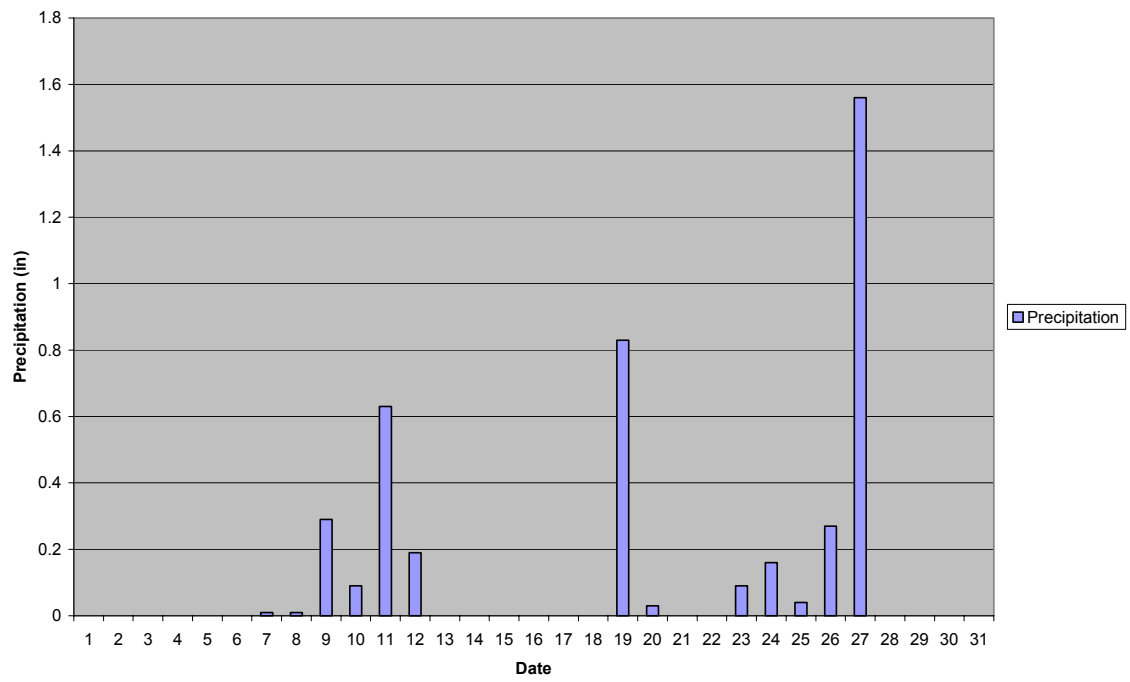


October 2007:

Weather Record For Esopus Sample Points--October 2007			
Date	Precipitation	Temperature High	Temperature Low
1	0	68	47
2	0	74	45
3	0	79	56
4	0	85	59
5	0	86	57
6		86	57
7	0.01	74	54
8	0.01	89	54
9	0.29	75	57
10	0.09	63	57
11	0.63	62	56
12	0.19	60	36
13	0	61	33
14	0	62	40
15	0	63	46
16	0	66	39
17	0	68	42
18	0	75	50
19	0.83	74	60

20	0.03	71	50
21	0	75	44
22	0	79	43
23	0.09	76	54
24	0.16	64	52
25	0.04	61	38
26	0.27	57	35
27	1.56	70	52
28	0	56	34
29	0	51	27
30	0	62	31
31	0	65	33

Precipitation October 2007



Temperature October 2007

