

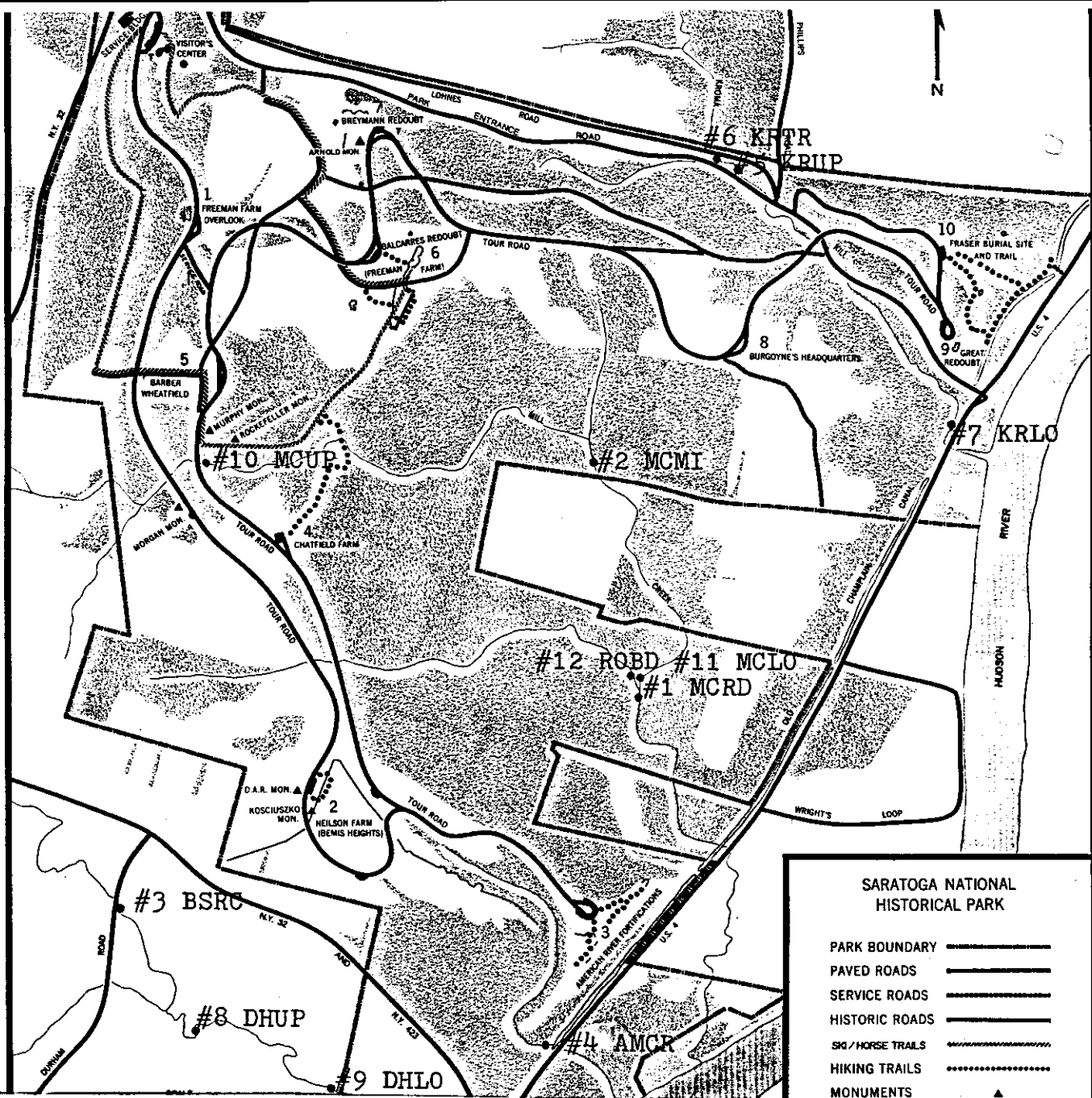
1988
SARATOGA NHP
WATER RESOURCE MONITORING
SAMPLE PROCEDURES

The following areas are to be sampled once a week for the following variables;

- #1- MCRD (lower mill creek/robberies ditch)
- #2- MCMI (mill creek behind stop 8)
- #3- BSRC (culvert on bill smith road)
- #4- AMCR (americans creek at route 4)
- #5- KRUP (upper kroma kill at culvert)
- #6- KRTR (tributary to upper kroma kill)
- #7- KRLO (lower kroma kill along route 4)
- #8- DHUP (upper devils hollow)
- #9- DHLD (lower devils hollow)
- #10- MCUP (mill creek near murphy monument)
- #11- MCLO (lower mill creek)
- #12- ROBD (robberies ditch)

SAMPLE FOR

- 1.-pH
- 2.-air and water temperature
- 3.-conductivity
- 4.-salinity
- 5.-dissolved oxygen



- #1 MCRD (Lower Mill Creek/Robbie's Ditch)
- #2 MCMI (Mill Creek behind Stop 8)
- #3 BSRC (Culvert on Bill Smith Road)
- #4 AMCR (American's Creek at Route 4)
- #5 KRUP (Upper Kroma Kill, at culvert)
- #6 KRTR (Tributary to upper Kroma Kill)
- #7 KRLO (Lower Kroma Kill, along Route 4)
- #8 DHUP (Upper Devil's Hollow)
- #9 DHLO (Lower Devil's Hollow)
- #10 MCUP (Mill Creek near Murphy Monument)
- #11 MCLO (Lower Mill Creek)
- #12 ROBD (Robbie's Ditch)

1988 SNHP WATER QUALITY MONITORING

[illegible]

X - of concern

UPPER KRONA KILL			KRONA KILL			TRIBUTARY			LOWER KRONA KILL (RT 4)		
WEEK	COND(umhos)	DO (ppm)	PH	COND	DO	PH	COND	DO	PH		
1	240 x 1	8.81	8.22	250 x 1	8.35	8.26	230 x 1	8.88	8.05		
2	220 x 1	X 9.35	8.43	280 x 1	X 9.22	8.40	250 x 1	X 9.14	8.42		
3	280 x 1	8.50	8.56	350 x 1	8.66	8.45	250 x 1	8.53	8.39		
4	285 x 1	8.24	8.57	380 x 1	8.65	8.45	230 x 1	8.45	8.62		
5	Heavy rain	260 x 1	7.95	8.22	260 x 1	7.79	8.25	240 x 1	7.43	8.28	
6	280 x 1	8.69	8.49	280 x 1	8.86	8.71	285 x 1	8.67	8.38		
7	290 x 1	8.69	8.55	350 x 1	8.88	8.53	X 380 x 1	8.32	8.32		
8	290 x 1	8.25	8.60	X 400 x 1	8.52	8.64	270 x 1	8.32	8.23		
9	270 x 1	X 9.09	8.51	360 x 1	X 9.64	8.45	260 x 1	8.45	8.26		
10	230 x 1	X 9.61	8.63	310 x 1	X 10.91	8.56	200 x 1	X 9.60	8.40		

NIS-DEC GUIDELINES

Class C

PH 6.5 - 8.5

DO not < 4.0 mg/L, should be 5.0 mg/L higher

Class D

PH 6.0 - 9.5

DO not < 3 mg/L

* new pH electrode

MILL CREEK (MURPHY'S MON)				MILL CREEK / STOP B			AMERICAN'S CREEK		
WEEK	COND(uMHO)	DO(ppm)	pH	COND	DO	pH	COND	DO	pH
1	325 x1	8.43	8.14	385 x1	7.16	7.83	430 x1	9.82	8.47
1a:	325 x1	5.86	7.86						
2	326 x1	7.05	8.09	295 x1	9.85	8.46	265 x1	X14.10	9.32
3	315 x1	6.84	8.07	300 x1	7.51	8.05	300 x1	7.80	8.79
4	390 x1	3.71	7.61	370 x1	X6.62	7.82	410 x1	6.72	8.50
5	436 x1	8.29	8.01	210 x1	X4.41	7.64	320 x1	X3.81	8.01
*6	420 x1	8.29	9.14	370 x1	8.19	8.08	300 x1	8.44	8.14
7	436 x1	7.15	8.26	400 x1	7.07	8.21	360 x1	7.04	8.01
8	400 x1	X5.84	7.79	390 x1	X6.15	7.80	400 x1	X6.05	8.61
9	400 x1	X4.31	7.71	300 x1	7.48	7.81	340 x1	6.85	8.36
10							260 x1	7.88	8.36

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Record	date	site	Temperature			Conduct	Fecl	Dissolved	pH	Salinity	Time
			Air	Water	Soil						
1	08/23/88	AMCR	23.0	20.0	260	X 1	N/A	7.88	8.36	0.00	1030
2	06/28/88	AMCR	33.0	25.0	265	X 1	N/A	14.10	9.32	0.00	1600
3	07/06/88	AMCR	34.0	30.0	300	X 1	N/A	7.80	8.79	0.00	1220
4	07/15/88	AMCR	29.0	29.0	410	X 1	N/A	6.72	8.50	0.00	1245
5	06/21/88	AMCR	41.0	30.0	430	X 1	N/A	9.82 PPM	8.47	0.00	1230
6	08/08/88	AMCR	27.0	26.0	400	X 1	N/A	6.05	8.01	0.00	1015
7	07/19/88	AMCR	21.0	22.0	320	X 1	N/A	3.81	8.01	0.00	1220
8	08/02/88	AMCR	35.0	26.0	360	X 1	N/A	7.04	8.01	0.00	1120
9	07/25/88	AMCR	26.0	22.0	300	X 1	N/A	8.44	8.14	0.00	1120
10	08/16/88	AMCR	30.0	25.0	340	X 1	N/A	6.85	8.36	0.00	1015
11	07/25/88	BSRC	26.0	21.0	360	X 1	N/A	7.96	8.01	0.00	1135
12	06/21/88	BSRC	38.0	23.0	70	X 10	N/A	4.81 PPM	7.77	0.05	1250
13	07/22/88	BSRC	25.0	20.0	390	X 1	N/A	8.43	7.80	0.00	1150
14	07/06/88	BSRC	39.0	32.0	65	X 10	N/A	4.70	8.21	0.00	1245
15	09/28/88	BSRC	23.0	16.0	310	X 1	N/A	N/A	0.00	0.00	1430
16	08/02/88	BSRC	34.0	24.0	50	X 10	N/A	7.20	7.77	0.00	1130
17	08/08/88	BSRC	24.0	23.0	480	X 1	N/A	4.48	7.87	0.00	915
18	08/16/88	BSRC	22.0	22.0	495	X 1	N/A	5.78	7.77	0.00	930
19	06/28/88	BSRC	28.0	23.0	460	X 1	N/A	6.56	8.14	0.50	1615
20	06/27/88	DHLD	31.1	20.0	105	X 10	N/A	7.11	7.87	0.50	1330
21	06/24/88	DHLD	21.1	18.0	370	X 1	N/A	7.76	7.81	0.00	1430
22	09/29/88	DHLD	15.0	16.0	240	X 1	N/A	N/A	0.00	0.00	1530
23	08/08/88	DHLD	26.0	24.0	360	X 1	N/A	6.79	7.97	0.00	935
24	07/15/88	DHLD	24.0	22.0	60	X 10	N/A	6.40	8.12	0.00	1340
25	07/27/88	DHLD	28.0	24.0	330	X 1	N/A	8.21	8.91	0.00	1400
26	08/16/88	DHLD	22.0	22.0	260	X 1	N/A	7.55	8.08	0.00	950
27	07/22/88	DHLD	22.0	21.0	385	X 1	N/A	8.44	8.17	0.00	1245
28	08/08/88	DHLD	22.0	23.0	270	X 1	N/A	5.16	7.81	0.00	950
29	08/04/88	DHLD	29.0	25.0	310	X 1	N/A	7.83	8.77	0.00	1020
30	07/22/88	DHUP	30.0	21.0	390	X 1	N/A	8.43	8.14	0.00	1230
31	06/24/88	DHUP	31.1	28.0	390	X 1	N/A	3.46	7.66	0.00	1500
32	07/27/88	DHUP	31.0	25.0	320	X 1	N/A	8.27	8.14	0.00	1345
33	08/04/88	DHUP	27.0	27.0	360	X 1	N/A	7.08	8.18	0.00	1015
34	09/28/88	DHUP	23.0	20.0	285	X 1	N/A	N/A	0.00	0.00	1515
35	06/27/88	DHUP	25.5	18.0	310	X 1	N/A	8.80	8.22	0.00	1345
36	07/25/88	KRLD	20.0	22.0	285	X 1	N/A	8.67	8.38	0.00	1105
37	07/06/88	KRLD	24.0	22.0	250	X 1	N/A	8.53	8.39	0.00	1200
38	08/08/88	KRLD	22.0	24.0	270	X 1	N/A	8.32	8.33	0.00	1030
39	07/15/88	KRLD	21.0	22.0	230	X 1	N/A	8.45	8.62	0.00	1230
40	08/16/88	KRLD	22.0	22.0	260	X 1	N/A	8.45	8.26	0.00	1030
41	08/23/88	KRLD	15.0	15.0	200	X 1	N/A	9.60	8.40	0.00	1045

42	08/02/88	KRLD	24.0	23.0	380	X	1	N/A	8.32	8.32	0.00	1055
43	06/28/88	KRLD	22.0	22.0	250	X	1	N/A	9.14	8.42	0.00	1545
44	07/19/88	KRLD	20.0	20.0	240	X	1	N/A	7.43	X 1	8.28	0.00 1200
45	06/21/88	KRLD	31.0	23.0	230	X	1	N/A	8.28	PPM	8.05	0.00 1215
46	08/08/88	KRTR	26.0	23.0	400	X	1	N/A	8.52		8.54	0.00 1050
47	08/18/88	KRTR	19.0	19.0	360	X	1	N/A	9.64		8.45	0.00 1105
48	06/28/88	KRTR	32.0	30.0	280	X	1	N/A	9.22		8.40	0.00 1505
49	07/19/88	KRTR	20.0	20.0	260	X	1	N/A	7.79		8.25	0.00 1130
50	09/28/88	KRTR	15.0	15.0	300	X	1	N/A	N/A		0.00	0.00 1600
51	07/11/88	KRTR	26.0	26.0	380	X	1	N/A	8.65		8.45	0.00 1400
52	08/23/88	KRTR	16.0	15.0	310	X	1	N/A	10.91		8.56	0.00 1115
53	07/06/88	KRTR	27.0	24.0	350	X	1	N/A	8.66		8.45	0.00 1120
54	08/02/88	KRTR	24.0	22.0	350	X	1	N/A	8.88		8.53	0.00 1030
55	07/25/88	KRTR	25.0	21.0	280	X	1	N/A	8.86		8.71	0.00 1040
56	06/21/88	KRTR	31.0	21.0	250	X	1	N/A	8.35	PPM	8.26	0.00 1135
57	07/19/88	KRUP	20.0	20.0	260	X	1	N/A	7.95		8.22	0.00 1140
58	07/11/88	KRUP	26.0	25.0	285	X	1	N/A	8.24		8.57	0.00 1415
59	07/06/88	KRUP	22.0	23.0	280	X	1	N/A	8.50		8.56	0.00 1140
60	06/28/88	KRUP	20.0	20.0	230	X	1	N/A	9.35		8.43	0.00 1515
61	07/25/88	KRUP	22.0	21.0	280	X	1	N/A	8.69		8.49	0.00 1050
62	06/21/88	KRUP	26.0	24.0	240	X	1	N/A	8.81	PPM	8.22	0.00 1150
63	09/28/88	KRUP	16.0	14.0	250	X	1	N/A	N/A		0.00	0.00 1610
64	08/08/88	KRUP	26.0	24.0	290	X	1	N/A	8.25		8.60	0.00 1100
65	08/18/88	KRUP	20.0	20.0	270	X	1	N/A	9.09		8.51	0.00 1055
66	08/23/88	KRUP	17.0	16.0	230	X	1	N/A	9.61		8.63	0.00 1125
67	08/02/88	KRUP	24.0	23.0	290	X	1	N/A	8.69		8.55	0.00 1040
68	06/22/88	MCLD	24.0	20.0	230	X	1	N/A	9.48	PPM	8.39	0.00 1445
69	07/26/88	MCLD	24.0	21.0	320	X	1	N/A	8.26		8.33	0.00 1240
70	07/22/88	MCLD	18.0	18.0	220	X	1	N/A	8.41		8.17	0.00 945
71	06/23/88	MCLD	30.0	20.0	225	X	1	N/A	7.87	PPM	8.05	0.00 1325
72	09/29/88	MCLD	10.0	10.0	200	X	1	N/A	N/A		0.00	0.00 1135
73	07/05/88	MCLD	10.0	16.0	210	X	1	N/A	8.25		8.13	0.00 945
74	07/11/88	MCLD	23.0	22.0	240	X	1	N/A	7.84		8.03	0.00 1045
75	08/09/88	MCLD	23.0	22.0	350	X	1	N/A	8.10		8.07	0.00 1105
76	08/03/88	MCLD	24.0	22.0	270	X	1	N/A	7.92		8.30	0.00 940
77	06/29/88	MCLD	18.0	17.0	215	X	1		9.40		8.15	0.00 1505
78	08/17/88	MCLD	22.0	20.0	230	X	1	N/A	8.29		8.08	0.00 1045
79	07/28/88	MCMI	23.0	22.0	370	X	1	N/A	8.19		8.08	0.00 1200
80	07/21/88	MCMI	19.0	20.0	210	X	1	N/A	4.41		7.64	0.00 1045
81	07/13/88	MCMI	27.0	24.0	370	X	1	N/A	6.62		7.82	0.00 1315
82	08/26/88	MCMI	20.0	20.0	210	X	1	N/A	8.14		8.07	0.00 1125
83	08/18/88	MCMI	18.0	20.0	300	X	1	N/A	7.48		7.81	0.00 1025
84	07/05/88	MCMI	24.0	22.0	300	X	1	N/A	7.51		8.05	0.00 1130
85	08/04/88	MCMI	23.0	25.0	400	X	1	N/A	7.07		8.21	0.00 930