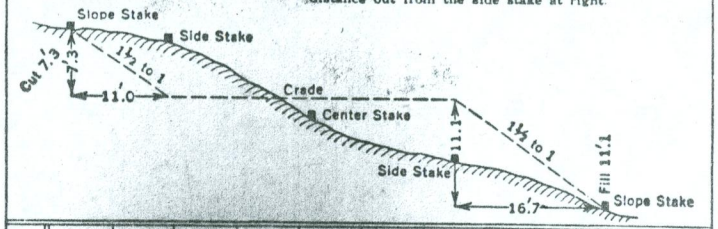
DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

1988 WATER QUALITY
489
MONITORING

SNHP

88 - DBase III entered

"Rite in the Rain"®
WEATHERPROOF

a product of
J. L. DARLING CORPORATION
TACOMA, WASHINGTON 98421 U.S.A.

WEEK OF JUNE 20-24 (1)

S80621 Sunny, hot

✓ Upper Kroma Kill
Time: 11:50
Air temp: 30°C
H2o temp: ~~temp~~ 24°C
Cond: 240 x 1 umhos
PH: 8.22
DO: 8.81 ppm BOD# 94
SALINITY: 0%

✓ KROMA KILL TRIBUTARY
Time: 11:35
Air temp: 31°C
H2o temp: ~~temp~~ 21°C
Cond: 250 x1 umhos/cm
pH: 8.26
DO: 8.35 ppm BOD# 93
SALINITY: 0%

✓ LOWER KRAMA MILL (RT 4)
Time: 12:15
AIR TEMP: 31°C
WATER TEMP: 23°C
SAL: 0‰
COND: 230 x1 umhos BOD* 96
DO: 8.28 ppm
PH: 8.05

✓ ANDERSONS Creek
TIME: 12:30
AIR TEMP: 41°C
WATER TEMP: 130°C BOD* 95
SAL: 0‰
COND: 430 x1 umhos
DO: 9.82 ppm
PH: 8.47

✓ BILL SMITH ROAD
TIME: 12:50pm
AIR TEMP: 38°C
H2O TEMP: 23°C
SAL: .05‰ BOD* 72
COND: 90 x10 umhos
DO: 4.81 ppm
PH: 7.77

880622 Cloudy, 70°

✓ LOWER MILL CREEK BOD 94
TIME: 2:45
AIRT 24°C
WATERT: 20°C
SAL: 0‰
COND: 230 x1 umhos
DO: 9.48 ppm
PH: 8.39

✓ MILL CREEK / ROBBIES BOD 93
TIME 2:30
AIR T: 24°C
H2O T: 18.5°C
SAL: 0‰
COND: 230 x1 umhos
DO: 9.35 ppm
PH: 8.36

✓ ROBBIE'S DITCH
TIME: 3:00 pH: 8.36
AIR T: 23°C
H2O T 18°C BOD 96
SAL: 0‰
COND: 450 x1 umhos
DO: 8.40 ppm

6-23/6-25 (*)

880623 MILL CREEK / STP 8 BOD 92

✓ TIME 3:50
AIR T 19°C
H2O T 20°
SAL 0%
COND 285 x1 umhos
DO 7.16 ppm
pH 7.83

880622 MILL CREEK / MURPHY'S MON

✓ TIME 4:30 BOD 92
AIR T 26°C
H2O T 23°C
SAL 0%
COND 325 x1 umhos
DO 8.43 ppm
pH 8.14

* Heavy rainstorm 880622 in PM
streams very muddy 880623

880623 Sunny, breezy, 80°

✓ MILL CREEK / ROBBLES DITCH
BOD 94 TIME 1:15
AIR T 30°C
H2O T 22°C
SAL 0%
COND 230 x1 umhos
DO 8.23 ppm
pH 7.98

✓ LOWER MILL CREEK
TIME 1:25 BOD 96
AIR T 30°C
H2O T 20°C
SAL 0%
COND 225 x1 umhos
DO 7.87 ppm
pH 8.05

✓ near outlet ROBBLES DITCH BOD 95
after storm
TIME 1:35
AIR T 22°C
H2O T 22°C
SAL 0%
COND 410 x1 umhos
DO 7.99 ppm
pH 8.08

(2) WEEK OF JUNE 27 - JULY 1

✓ MILL CREEK / MURPHYS MON

TIME 2:15 BOD 93

AIR T 23°C

H_2O T 23°C

SAL 0‰

COND 325 x 1 umhos

DO 5.86 ppm

pH 7.86

✓

880624 LOWER DEVILS HOLLOW

BOD 94 TIME 6:30 *

Sunny, hot

AIR T ~~70°F~~ 21.1

H_2O T 18°C

SAL 0‰

COND 370 x 1 umhos

DO 7.76 ppm

pH 7.81

✓

Today UPPER DEVILS HOLLOW

BOD 92 TIME 3:00

AIR T ~~88°F~~ 31.1

H_2O T 28°C

SAL 0‰

COND 390 x 1 umhos

DO 3.46 ppm

pH 7.66

Sunny, hot, breezy

880627 Devils Hollow lower

✓ TIME: 1:30

AIR T: ~~88°F~~ 31.1 BOD 95

H_2O T: 28°C

SAL: 0.5 ‰

COND: 105 x 10 umhos

DO: 7.1 ppm

pH: 7.57

880627 Devils Hollow Upper

✓ TIME: 1:45 BOD 93

AIR T: ~~78°F~~ 25.5

H_2O T: 17°C

SAL: 0‰

COND: 310 x 1 umhos

DO: 8.50 ppm

pH: 8.22

✓ 880628 Krona Kill TTD

Sunny, hot, breezy TIME 3:05

AIR T 38°C

BOD 13 H_2O T 30°C

SAL 0‰

COND 280 x 1 umhos

DO 9.22

pH 8.10

Kroma Kill Upper

BOD 94 TIME 3:15
AIR T 30°C
water cloudy H2O T 20°C
SAL 0‰
COND 230 x 1 umhos
DO 9.35 ppm
pH 8.43

LOWER KROMA KILL (RT. 4)

BOD 95 TIME 3:45
AIR T 22°C
H2O T 22°C
SAL 0‰
COND 250 x 1 umhos
DO 9.14 ppm
pH 8.42

AMERICANS CREEK

BOD 96 TIME 4:00
AIR T 33°C
H2O T 25°C
SAL 0‰
COND 265 x 1 umhos
DO 14.10 ppm
pH 9.32

BILL SMITH ROAD

BOD 92 TIME 4:15
AIR T 28°C
H2O T 23°C
SAL 0.5‰
COND 460 x 1 umhos
DO 6.56 ppm
pH 8.14

DATE 880629 Robbie's Ditch

BOD # 92 TIME 3:00
AIR T 18°C
H2O T 19°C
SAL 0‰
COND 410 x 1 umhos
DO 8.95 ppm
pH 8.09

DATE 880629 LOWER MILL CREEK

BOD 95 TIME 3:05
AIR T 18°C
H2O T 17°C
SAL 0‰
COND 215 x 1 umhos
DO 9.40 ppm
pH 8.15

DATE 880629 MILL CREEK / ROBBIES DITCH

BOD 96

TIME	3:20
AIR T	18°C
H2O T	17°C
SAL	0‰
COND	230 x 1 umhos
DO	9.26 ppm
pH	8.14

DATE 880629 MILL CREEK / MURPH'S MON.

BOD 94

TIME	4:00
AIR T	21°C
H2O T	21°C
SAL	0‰
COND	320 x 1 umhos
DO	7.05 ppm
pH	8.09

DATE 880629 MILL CREEK / STOP 8

BOD 93

TIME	4:40
AIR T	17°C
H2O T	19°C
SAL	0‰
COND	295 x 1 umhos
DO	9.85 ppm
pH	8.46

Hot, sunny (3) WEEK OF JULY 4-8

DATE 880705 Robbies Ditch

BOD 93

TIME	9:30
AIR T	20°C
H2O T	19°C
SAL	0‰
COND	410 x 1 umhos
DO	8.42 ppm
pH	8.11

DATE 880705 LOWER MILL CREEK

BOD 96

TIME	9:45
AIR T	20°C
H2O T	16°C
SAL	0‰
COND	210 x 1 umhos
DO	8.25 ppm
pH	8.13

DATE 880705 MILL CREEK / ROBBIES DITCH

BOD 95

TIME	7:50
AIR T	20°C
H2O T	19°C
SAL	0‰
COND	240 x 1 umhos
DO	7.98 ppm
pH	8.01

DATE 880705 MILL CREEK/MURPHY'S MON

BOD 92
no inflow
Film on H2O surface

TIME 10:30
AIR T 27°C
H2O T 21°C
SAL 0‰
COND 315 x 1 umhos
DO 6.34 ppm
pH 8.07

DATE 880705 MILL CREEK/STOP 8

BOD 94
low inflow

TIME 11:30
AIR T 24°C
H2O T 22°C
SAL 0‰
COND 300 x 1 umhos
DO 7.51 ppm
pH 8.05

sunny, hot, humid

DATE 880706 KROMA KILL TRIB

BOD 96 jar
some algae
little inflow

TIME 11:20
AIR T 27°C
H2O T 24°C
SAL 0‰
COND 350 x 1 umhos
DO 8.66
pH 8.45

880706 KROMA HILL UPPER

BOD 94J
good inflow
cloudy

TIME: 11:40
AIR T 22°C
H2O T 23°C
SAL 0‰
COND 280 x 1 umhos
DO 8.50
pH 8.56

880706 LOWER KROMA KILL (RT 4)

BOD 95J
cloudy
good flow

TIME 12:00
AIR T 24°C
H2O T 22°C
SAL 0‰
COND 250 x 1 umhos
DO 8.53
pH 8.39

880706 AMERICAN'S CREEK

BOD 92 J
no outflow
heavy algae growth

TIME: 12:20
AIR T 34°C
H2O T 30°C
SAL 0‰
COND 300 x 1 umhos
DO 7.80
pH 8.79

880706 BILL SMITH ROAD

BOD 93 J	TIME	12:45
	AIRT	39°C
no inflow or outflow	H2OT	32°C
	SAL	0‰
much algae	COND	65 x 10 umhos
	DO	4.70
	pH	8.21

(4) WEEK OF JULY 11-15

DATE 880711 MILL CREEK / ROBBIE'S DITCH

BOD 92	TIME	10:15
	AIRT	22°C
Raining, hot humid, cloudy	H2OT	22°C
	SAL	0‰
	COND	260 x 1 umhos
	DO	7.36 ppm
	pH	7.97

ROBBIE'S DITCH

DATE 880711

BOD 93	TIME	10:35
	AIRT	22°C
	H2OT	21.5°C
water clear	SAL	0‰
	COND	60 x 10 umhos
	DO	6.97 ppm
	pH	7.94

DATE 880711 LOWER MILL CREEK

BOD 95	TIME	10:45
	AIRT	23°C
	H2OT	22°C
water clear	SAL	0‰
	COND	240 x 1 umhos
	DO	7.84 ppm
	pH	8.03

DATE 880711 MILL CREEK / MURRAYS MON.

BOD 96	TIME	11:30
no inflow or outflow	AIRT	32°C
	H2OT	25°C
2 dead fish (6")	SAL	0‰
	COND	390 x 1 umhos
	DO	3.71 ppm
	pH	7.61

DATE 880711 KROMA KILL TRIB

BOD 96 J	TIME	2:00
	AIRT	26°C
no outflow to Kroma Kill	H2OT	26°C
	SAL	0‰
	COND	380 X1 umhos
	DO	8.65
	pH	8.45

✓ UPPER KROMA KILL

DATE 880711
BOD 95 J
*good inflow
"soapy" scum on water surface

TIME 2:15
AIRT 26°C
H2OT 25°C
SAL 0%
COND 285 x 1 umhos
DO 8.24
pH 8.57

✓ DATE 880713 MILL CREEK / STOP 8
BOD 94
isolated pool
no inflow or outflow

TIME 1:15
AIRT 27°C
H2OT 24°C
SAL 0%
COND 370 x 1 umhos
DO 6.62 ppm
pH 7.82

✓ Thunderstorm 880713 night

DATE 880715 LOWER KROMA KILL (RT 9)
BOD 95

TIME 12:30
AIRT 21°C
H2OT 22°C
SAL 0%
COND 230 x 1 umhos
DO 8.45 ppm
pH 8.62

* BILL SMITH ROAD DRIED UP - NO SAMPLING

✓ DATE 880715 AMERICANIS CREEK
BOD 92
no outflow
very stagnant

TIME 12:45
AIRT 29°C
H2OT 29°C
SAL 0%
COND 410 x 1 umhos
DO 6.72 ppm
pH 8.50

DATE 880715 Devil's Hollow (Upper)
BOD

TIME
AIRT
H2OT
SAL
COND
DO
pH

COMPLETELY DRIED UP

✓ DATE 880715 LOWER DEVIL'S HOLLOW
BOD 96
no inflow

TIME 1:40
AIRT 24°C
H2OT 22°C
SAL 0%
COND 60 x 10 umhos
DO 6.40 ppm
pH 8.12

(5) WEEK OF JULY 18 - 22

Heavy rain 7-17-88

DATE 880719 — KROMA KILL TRIB

BOD 94

Heavy rain
Cool, humid

water very cloudy

TIME	11:30
AIRT	20°C
H2OT	20°C
SAL	0‰
COND	260 x 1 umhos
DO	7.79 ppm
pH	8.25

DATE 880719 — KROMA KILL UPPER

BOD 96

water very muddy

TIME	11:40
AIRT	20°C
H2OT	20°C
SAL	0‰
COND	260 x 1 umhos
DO	7.95
pH	8.22

DATE 880719 — LOWER KROMA KILL (RT 4)

BOD 92

very turbid

TIME	12:00
AIRT	20°C
H2OT	20°C
SAL	6‰
COND	240 x 1 umhos
DO	7.43 ppm
pH	8.28

DATE 880719 — AMERICANS CREEK

BOD 93

very turbid

TIME	12:20
AIRT	21°C
H2OT	22°C
SAL	0‰
COND	320 x 1 umhos
DO	3.81 ppm
pH	8.01

DATE 880721 — MILL CREEK / STOP 8

BOD 92

Raining cool, humid

had heavy rain in AM

water very muddy

TIME	10:45
AIRT	19°C
H2OT	20°C
SAL	0‰
COND	210 x 1 umhos
DO	4.41 ppm
pH	7.64

LOWER MILL CREEK

DATE 880722

BOD 95

very heavy rain 7-21-88

Flowing fast very muddy

TIME	9:45
AIRT	18°C
H2OT	8°C
SAL	0‰
COND	220 x 1 umhos
DO	8.41 ppm
pH	8.17

* After storm, all streams flowing "normally"

DATE 880722 ROBBIES DITCH

BOD 93	TIME	10:00
great increase in flow	AIRT	19°C
	H2OT	19°C
	SAL	0%
	COND	260 x 1 umhos
	DO	8.56 ppm
	pH	8.14

DATE 880722 MILL CREEK / ROBBIES DITCH

BOD 96	TIME	10:15
	AIRT	19°C
	H2OT	18°C
	SAL	0%
	COND	235 x 1 umhos
	DO	8.28 ppm
	pH	8.18

DATE 880722 MILL CREEK / MURPH'S MON

BOD 94	TIME	11:05
	AIRT	21°C
heavy inflow + outflow	H2OT	18°C
	SAL	0%
	COND	430 x 1 umhos
	DO	8.29 ppm
	pH	8.01

DATE 880722 BILL SMITH RD

BOD 94J	TIME	11:50
	AIRT	25°C
good inflow + outflow	H2OT	20°
	SAL	0%
	COND	390 x 1 umhos
	DO	8.43 ppm
	pH	7.80

DATE 880722 DEVILS HOLLOW UPPER

BOD 92J	TIME	12:30
	AIRT	30°C
heavy flow	H2OT	21°C
	SAL	0%
	COND	390 x 1 umhos
	DO	8.43 ppm
	pH	8.14

DATE 880722 DEVILS HOLLOW LOWER

BOD 93J	TIME	12:45
	AIRT	29°C
	H2OT	21°C
	SAL	0%
	COND	385 x 1 umhos
	DO	8.44 ppm
	pH	8.17

(6) WEEK OF JULY 25 - 30 Sunny

* USING NEW pH ELECTRODE * not

DATE 880725 KROMA KILL TRIB 50% clouds

BOD	92	TIME	10:40
✓		AIR T	25°C
		H2O T	21°C
		SAL	0‰
		COND	280 x 1 umhos
		DO	8.86
		pH	8.71

DATE 880725 KROMA KILL UPPER

BOD	96	TIME	10:50
✓		AIR T	22°C
		H2O T	21°C
		SAL	0‰
		COND	280 x 1 umhos
		DO	8.69 ppm
		pH	8.49

✓

DATE 880725 LOWER KROMA KILL (RT 4)

BOD	93	TIME	11:05
		AIR T	20°C
		H2O T	22°C
		SAL	0‰
		COND	285 x 1 umhos
		DO	8.67
		pH	8.38 old 8.75

✓

DATE 880725 AMERICANS CREEK

BOD	95	TIME	11:20
		AIR T	26°C
		H2O T	22°C
		SAL	0‰
		COND	300 umhos
		DO	8.44 ppm
		pH	8.14

DATE 880725 BILL SMITH RD.

BOD	94	TIME	11:35
✓		AIR T	26°C
		H2O T	21°C
		SAL	0‰
		COND	360 x 1 umhos
		DO	7.96 ppm old
		pH	8.01 8.38

✓

DATE 880726 ROBBIES PITCH

BOD	96	TIME	12:30
Too damn		AIR T	23°C
hot out		H2O T	23°C
		SAL	0‰
		COND	320 x 1 umhos
		DO	8.27
		pH	8.30

DATE 880726 LOWER MILL CREEK

BOD	94	TIME	12:40
		AIRT	24°C
		H2OT	21°C
		SAL	0%
		COND	320 x 1 umhos
		DO	8.26
		pH	8.33

DATE 880726 LOWER MILL / RUBBERS DITCH

BOD	93	TIME	12:50
		AIRT	22°C
		H2OT	21°C
		SAL	0%
		COND	320 x 1 umhos
		DO	8.26
		pH	8.50

DATE 880727 DEVIL'S HOLLOW UPPER

BOD	92	TIME	1:45
		AIRT	31°C
		H2OT	25°C
		SAL	0%
		COND	320 x 1 umhos
		DO	8.27
		pH	8.14

DATE 880727 DEVIL'S HOLLOW LOWER

BOD	95	TIME	2.00
		AIRT	28°C
		H2OT	24°C
		SAL	0%
		COND	330 x 1 umhos
		DO	8.21
		pH	8.91

DATE 880728 MILL CREEK / STOP 8 Hazy, humid cloudy

BOD	95 Jar	TIME	12:00
little inflow		AIRT	23°C
		H2OT	22°C
		SAL	0%
Storm coming!		COND	370 x 1 umhos
		DO	8.19
		pH	8.08

DATE 880728 MILL CREEK / MURPHY'S

BOD	94 Jar	TIME	1:50
		AIRT	22°C
		H2OT	22°C
		SAL	0%
		COND	420 x 1 umhos
		DO	8.29
		pH	9.14

sunny, hot, humid (?) WEEK OF AUG 1-5

DATE 880802 KROMA KILL TRIB

BOD 93

very low flow

TIME 10:30
AIRT 24°C
H2OT 22°C
SAL 0‰
COND 350 x 1 umhos
DO 8.88 ppm
pH 8.53

DATE 880802 KROMA KILL UPPER

BOD 96

TIME 10:40
AIRT 24°C
H2OT 23°C
SAL 0‰
COND 390 x 1 umhos
DO 8.69 ppm
pH 8.55

DATE 880802 LOWER KROMA KILL (RT. 1)

BOD 92

TIME 10:55
AIRT 24°C
H2OT 23°C
SAL 0‰
COND 380 x 1 umhos
DO 8.32 ppm
pH 8.32

DATE 880802 AMERICAN'S CREEK

BOD 94

little outflow

TIME 11:20
AIRT 35°C
H2O T 26°C
SAL 0‰
COND 360 x 1 umhos
DO 7.04 ppm
pH 8.01

880802 BILL SMITH RD.

BOD 95

no inflow

TIME 11:30
AIRT 34°C
H2O T 24°C
SAL 0‰
COND 50 x 10 umhos
DO 7.20 ppm
pH 7.77

Hot, humid, sunny

ROBBIE'S DITCH

BOD 880803

little outflow

94 J

TIME 9:30
AIRT 24°C
H2O T 23°C
SAL 0‰
COND 410 x 1 umhos
DO 7.66 ppm
pH 8.30

880803 — LOWER MILL CREEK

BOD 96 J

low flow

TIME	9:40
AIR T	24°C
H2O T	22°C
SAL	0‰
COND	270 x 1 umhos
DO	7.92 ppm
pH	8.30

880803 — MILL CREEK / ROBBIE'S DITCH

BOD 95 J

very slow moving

TIME	9:55
AIR T	24°C
H2O T	20°C
SAL	0‰
COND	295 x 1 umhos
DO	7.74 ppm
pH	8.25

880803 — MILL CREEK / MURPHY'S MON.

BOD 93 J

no in flow

TIME	10:50
AIR T	29°C
H2O T	25°C
SAL	0‰
COND	430 x 1 umhos
DO	7.15 ppm
pH	8.26

Hot, humid, sunny

880804 — MILL CREEK / STOP 8

BOD 95

little inflow

TIME	9:30
AIR T	23°C
H2O T	25°C
SAL	0‰
COND	400 x 1 umhos
DO	7.07 ppm
pH	8.21

880804 — DEVIL'S HOLLOW UPPER

BOD 94

TIME	10:15
AIR T	27°C
H2O T	27°C
SAL	0‰
COND	360 x 1 umhos
DO	7.08 ppm
pH	8.18

880804 — DEVIL'S HOLLOW LOWER

BOD 93

very sluggish
high algae growth

TIME	10:20
AIR T	29°C
H2O T	25°C
SAL	0‰
COND	310 x 1 umhos
DO	7.83 ppm
pH	8.77

WEEK OF AUG. 8-12 (8) Sunny, breezy not humid

DATE 880808 BILL SMITH ROAD

BOD 93

TIME 9:15
AIRT 24°C
H2OT 23°C
SAL 0%
COND 480 x1 umhos
DO 4.48 ppm
pH 7.87

no inflow or outflow

880808 DEVIL'S HOLLOW UPPER

BOD 92

TIME 9:35
AIRT 26°C
H2OT 24°C
SAL 0%
COND 360 x1 umhos
DO 6.79 ppm
pH 7.97

no inFlow

880808 DEVIL'S HOLLOW LOWER

BOD 94

TIME 9:50
AIR T 22°C
H2O T 23°C
SAL 0%
COND 270 x1 umhos
DO 5.16 ppm
pH 7.81

no inflow or outflow

high algae growth

DATE 880808 AMERICANS CREEK

BOD 96

TIME 10:15
AIRT 27°C
H2OT 26°C
SAL 0%
COND 400 x1 umhos
DO 6.05 ppm
pH 8.01

no outFlow

DATE 880808 LOWER KROMA KILL (RT 9)

BOD 95

TIME 10:30
AIRT 22°C
H2OT 24°C
SAL 0%
COND 270 x1 umhos
DO 8.32 ppm
pH 8.33

DATE 880808 KROMA KILL TRIB

BOD 94J

TIME 10:50
AIRT 26°C
H2O T 23°C
SAL 0%
COND 400 x1 umhos
DO 8.52
pH 8.54

no outFlow

✓ DATE 880808		KROMA KILL UPPER	
BOD	92 J	TIME	1100
		AIR T	26°C
		H2O T	24°C
		SAL	0‰
		COND	290 x 1 umhos
		DO	8.25 ppm
		pH	8.60
✓ DATE 880809		MILL CREEK / ROBBIES DITCH	
BOD	93	TIME	11:10
		AIR T	23°C
		H2O T	22°C
		SAL	0‰
		COND	280 x 1 umhos
		DO	8.12 ppm
		pH	8.00
✓ DATE	880809	ROBBIES DITCH	
BOD	94	TIME	10:55
		AIRT	23°C
		H2OT	22°C
		SAL	0‰
		COND	60 x 10 umhos
		DO	8.01 ppm
		pH	8.00

✓ DATE 880809		LOWER MILL CREEK	
BOD	95	TIME	11:05
		AIRT	23°C
		H2OT	23°C
		SAL	0‰
		COND	350 x 1 umhos
		DO	8.10 ppm
		pH	8.07
✓ DATE	880810	MILL CREEK / STOP 8	
BOD	92	TIME	10:00
		AIRT	26°C
isdated pool		H2OT	24°C
		SAL	0‰
		COND	390 x 1 umhos
		DO	6.15 ppm
		pH	7.80
✓ DATE	880810	MILL CREEK / MURPHY'S MOUTH	
BOD	96 J	TIME	9:20
		AIRT	25°C
no inflow or outflow		H2OT	24°C
		SAL	0‰
		COND	400 x 1 umhos
		DO	5.84 ppm
		pH	7.79

(9) WEEK OF AUG 15-19

BILL SMITH RD

DATE 880816
BOD 92
very small pool

TIME	9:30
AIRT	22°C
H2OT	23°C
SAL	0%
COND	495 x1 umhos
DO	5.78 ppm
pH	7.77

DATE 880816 DEVIL'S HOLLOW UPPER
BOD

TIME	
AIRT	
H2OT	DRIED UP
SAL	
COND	
DO	
pH	

DATE 880816 Devil's Hollow Lower
BOD 96
much algae

TIME	9:50
AIRT	22°C
H2OT	22°C
SAL	0%
COND	260 x1 umhos
DO	7.55 ppm
pH	8.08

DATE 880816 AMERICANS CREEK
BOD 93
no outflow

TIME	10:15
AIRT	30°C
H2OT	25°C
SAL	0%
COND	340 x1 umhos
DO	6.85 ppm
pH	8.36

DATE 880816 KROMA KILL LOWER (RT. 4)
BOD 95
very turbid

TIME	10:30
AIRT	22°C
H2OT	22°C
SAL	0%
COND	260 x1 umhos
DO	8.45 ppm
pH	8.26

DATE 880818 KROMA KILL UPPER
BOD 94 J

TIME	10:55
AIRT	20°C
H2OT	20°C
SAL	0%
COND	270 x1 umhos
DO	9.09 ppm
pH	8.51

DATE 880818	KROMA KILL TRIB	
BOD 915 J	TIME	11:05
	AIR T	19°C
isolated pool	H_2O T	19°C
	SAL	0‰
	COND	360 x 1 umhos
	DO	9.64 ppm
	pH	8.45
DATE 880817	ROBBIE'S DITCH	
BOD 92	TIME	10:30
	AIR T	22°C
	H_2O T	21°C
	SAL	0‰
	COND	390 x 1 umho
	DO	7.78 ppm
	pH	8.05
DATE 880817	LOWER MILL CREEK	
BOD 93	TIME	10:45
	AIR T	22°C
	H_2O T	20°C
	SAL	0‰
	COND	330 x 1 umho
	DO	8.29 ppm
	pH	8.08

	ROBBIES DITCH / MILL CREEK	
DATE 880817		
BOD 95	TIME	10:50
	AIR T	22°C
	H_2O T	20°C
	SAL	0‰
	COND	260 x 1 umho
	DO	8.37 ppm
	pH	8.06
DATE 880818	MILL CREEK / STOP 8	
BOD 96	TIME	10:25
	AIR T	18°C
isolated pool	H_2O T	20°C
	SAL	0‰
	COND	300 x 1 umhos
	DO	7.48 ppm
	pH	7.81
DATE 880817	MILL CREEK / MURPHY'S MON	
BOD 94	TIME	11:30
high algae growth	AIR T	26°C
	H_2O T	23°C
	SAL	0‰
	COND	400 x 1 umho
	DO	4.31 ppm
	pH	7.71

(10) WEEK OF AUG 22-26

DATE 880823 BILL SMITH RD TIME 10:00
BOD AIRT
H2OT
SAL DRIED UP
COND
DO
pH

DATE 880823 DEVILS HOLLOW UPPER
BOD TIME 10:05
AIRT
H2OT
SAL DRIED UP
COND
DO
pH

DATE 880823 DEVILS HOLLOW LOWER
BOD TIME
AIRT DRIED UP
H2OT
SAL
COND
DO
pH

✓
DATE 880823 AMERICANS CREEK

BOD	96	TIME	10:30
		AIRT	23°C
NO INFLOW		H2OT	20°C
OR OUTFLOW		SAL	0%
		COND	260 x1 umhos
* HIGH ALGAE GROWTH		DO	7.88 ppm
		pH	8.36

✓
DATE 880823 LOWER KROMA KILL (RT 4)

BOD	93	TIME	10:45
		AIRT	15°C
		H2OT	15°C
		SAL	0%
		COND	200 x1 umhos
		DO	9.60 ppm
		pH	8.40

✓
DATE 880823 UPPER KROMA KILL

BOD	95	TIME	11:25
		AIRT	17°C
		H2OT	16°C
		SAL	0%
		COND	230x1 umhos
		DO	9.61 ppm
		pH	8.63

DATE 880823 KROMA KILL TRIB

BOD 94	TIME	11:15
high algae growth	AIR T	16°C
	H2O T	15°C
	SAL	0‰
	COND	310 x1 umhos
	DO	10.91 ppm
	pH	8.56

DATE 880825 ROBBIES DITCH

BOD 94	TIME	2:20
	AIR T	19°C
	H2O T	19°C
	SAL	0‰
	COND	300x1 umhos
	DO	8.45 ppm
	pH	8.21

DATE 880825 LOWER MILL CREEK

BOD 92	TIME	2:30
	AIR T	20°C
very muddy	H2O T	18°C
	SAL	0‰
	COND	190 x1 umhos
	DO	9.12 ppm
	pH	8.30

DATE 880825 MILL CREEK / ROBBIES DITCH

BOD 93	TIME	2:45
	AIR T	19°C
very muddy	H2O T	19°C
after rain	SAL	0‰
	COND	200x1 umhos
	DO	8.81 ppm
	pH	8.24

DATE 880826 MILL CREEK / STOP 8

BOD 95	TIME	11:25
	AIR T	20°C
isolated pool very muddy	H2O T	20°C
	SAL	0‰
	COND	210x1 umhos
	DO	8.14 ppm
	pH	8.07

DATE 880826 MILL CREEK / MURPHY'S MON

BOD 96	TIME	11:00
	AIR T	21°C
isolated pool	H2O T	19°C
	SAL	0‰
	COND	280 x1 umhos
	DO	6.11 ppm
	pH	7.90

(11) WEEK OF SEPT 26 - 30

DATE 880928 BILL SMITH RD

BOD 96

TIME 2:30
AIRT 23°C
H2O T 16°C
SAL 0‰
COND 310 x1 umhos
DO
pH

sunny, breezy cool

DATE 880928 DEVILS HOLLOW UPPER

BOD 94

TIME 3:15
AIRT 23°C
H2O T 20°C
SAL 0‰
COND 285 x 1umhos
DO
pH

DATE 880928 DEVIL'S HOLLOW LOWER

BOD 92

TIME 3:30
AIRT 15°C
H2O T 16°C
SAL 0‰
COND 240 x1 umhos
DO
pH

DATE 880928 KROMA KILL TRIB

BOD 93

TIME 4:00
AIRT 15°C
H2O T 15°C
SAL 0‰
COND 300 x1 umhos
DO
pH

DATE 880928 KROMA KILL UPPER

BOD 95

TIME 4:10
AIRT 16°C
H2O T 14°C
SAL 0‰
COND 250x1 umhos
DO
pH

↓ Sunny, cool

DATE 880929 ROBBIES DITCH

BOD 96J

TIME 11:30
AIRT 11°C
H2O T 11°C
SAL 0‰
COND 250 x1 umhos
DO
pH

DATE 880929 LOWER MILL CREEK

BOD 95 J

TIME 11:35
AIRT 10°C
H2OT 10°C
SAL 0‰
COND 200 x 1 umhos
DO
pH

DATE 880929 MILL CREEK / ROBBIE'S DITCH

BOD 94 J

TIME 11:45
AIRT 11°C
H2OT 10°C
SAL 0‰
COND 200 x 1 umhos
DO
pH

DATE 880929 LOWER KROMA KILL (RT. 4)

BOD

TIME
AIRT
H2OT
SAL
COND
DO
pH

DATE 880929 AMERICAN'S CREEK

BOD

TIME
AIRT
H2OT
SAL
COND
DO
pH

DATE 880929 MILL CREEK / MURPHY'S MON

BOD

TIME
AIRT
H2OT
SAL
COND
DO
pH

DATE

BOD

TIME
AIRT
H2OT
SAL
COND
DO
pH

DATE
BOD
TIME
AIR T
H2O T
SAL
COND
DO
pH

DATE
BOD
TIME
AIR T
H2O T
SAL
COND
DO
pH

DATE
BOD
TIME
AIR T
H2O T
SAL
COND
DO
pH

1989 - 5 minute pd. to determine pH

Date 5/25/89 Sunny, Cool
KROMA KILL TRIB #6
Time 10:06
AIR T 62°F
H2O T 15°C
SAL 0
Cond 160 x 1 umhs
pH #95 - = 7.90

UPPER KROMA @ CULVERT
Time 10:21 * Med. Turbid
AIR 64°F
H2O T 15°C
SAL 0
Cond 190 x 1 umhs
pH #93 - = 7.90

5/25/89 time

#3 Bill Smith Culvert 10:10

Air T 78°F

H_2O T 15°C

SAL 0%

Cond 258 mMhos X1

pH # 96 — = 7.80 (calc'd)

time

#8 DHUA Upper D.H. 1107

Air T 78°F

H_2O T 17°C

SAL 0%

Cond 210 mMhos X1

pH # 91 — = 8.00

#9 DHLO Lower D.H. Time 11:34

Air T 69°F

H_2O T 17.5°C

SAL 0%

Cond 220 mMhos X1

pH # 92 = 8.50

DATE: JUN2 — Following a heavy Rain

SITE: ROBD

TIME: 1520

Air T: 71°F

H_2O T: 17.5°F

SAL: 0% turbid

COND: 40 x 10 mMhos

pH = 7.7

read on 5JUN89

DATE: same

SITE: MC 40

TIME: 1525

Air T: 71°F turbid

H_2O T: 18°F

SAL: 0.01%

COND: 75 x 10 mMhos

pH = 7.7

read on 5JUN 89

DATE: Same

SITE: MCRD turbid

TIME: 1530

Air T: 71°F

H_2O T: 18°F

SAL: 0%

COND: 70 x 10 mMhos

pH: 7.7 - read on 5JUN 89

DATE JUN 2
SITE MCUP
TIME 1555
AIR T 76°F
H_2O T 18°C turbd
SAL 0.02%
COND 69 x 10 mmhos
pH = 7.6 - read on 5 JUN 89

DATE JUN 5
SITE MCM1
TIME 10:15
AIR T 63.5F
H_2O T 15°C
SAL 0%
COND 208 x 1 mMHOS
pH 7.8

DATE JUN 5
SITE KRLO
TIME 11.00
AIR T 66°F
H_2O T 17°C
SAL 0 %
COND 222 x 1 MMHOS
pH 8.1

DATE JUN 5
SITE AMCR
TIME 11:18
AIR T 75°F
H_2O T 16.5°C
SAL 0%
COND 212 x 1 mMHOS
pH 8.1

DATE JUN 07 89 : 1 inch of rain on the 6th
SITE BSRC H_2O High
TIME 0900
AIR T 65°F
H_2O T 15°C
SAL 0%
COND 235 x 1 mMHOS
pH 7.5

DATE 07 JUN 89
SITE DHUP
TIME 10:00
Air 70.5 F
H_2O 15.2
SAL 0%
COND 212 x 1
pH 7.8

Date 07 JUN
Site DHLO
Time 10.22
Air 62°F
H_2O 15.5°C
SAL 0%
CON 272 x1
pH 7.8

Date 08 JUN — Rain last nite:
Site KRTR slightly Turbid H_2O
Time 15:20
Air T 64°F
H_2O T 15.5C
SAL 0%
Condu 190 x1 mMHOS
pH 7.9

Date 08 JUN
Site KRUP
Time 1528 Turbid
Air T 64.8°F
H_2O T 17.2°C
SAL 1.2%
Condu 87 x10 mMHOS
pH 8.2

Date 08 JUN
Site KRLO
Time 1543
Air T 72°F
H_2O T 17.2
Sal 0%
Condu 280 x1
pH 8.3

Turbid

Date 12 JUN 89
Site MCUP
Time 1410
Air T 71°F
H_2O T 19.0
SAL 0
Condu 222 x1
pH 8.0
DO 9.04

DATE 12 JUN
SITE MCM1
TIME 1450
AIR T 72°F
H_2O T 19°C
SAL 0
Condu 212 x1
pH 8.1
DO 8.81

DATE	SITE	AMCR
12 JUN	Time	1525
	AirT	74°F
	H_2OT	
	SALIN	
	CONDU	
	pH	8.5
	DO	9.64

meter died

DATE	SITE	MCED
16 JUN	TIME	1405
	AirT	64°F
Lotza rain	H_2OT	14.8°C
	SALIN	0
past 2 wks	CONDU	160 x1
	pH	7.9
*	DO	10.08

92

DATE	SITE	ROBD
16 JUN	TIME	1412
	AirT	65°F
	H_2OT	14.0 C
	SALIN	0
	CONDU	140 x1
	DO	10.15
	pH	8.1

91

DATE	SITE	MCLO
16 JUN	TIME	1420
	AirT	64°F
	H_2OT	14.2 C
	SALIN	0
	CONDU	145 x1
	DO	10.04 stun
	pH	8.0

DATE 22 JUN	SITE	KRTR
	TIME	0855
	AirT	68°F
	H_2OT	18.2 C
	SALIN	0.5%
	CONDU	72 x10
	DO	9.60
	pH	8.1

DATE 22 JUN	SITE	KRUP
	TIME	0907
	AirT	70°F
	H_2OT	20°C
	SALIN	0%
	CONDU	412 x1
	DO	8.92
	pH	8.1

92

22 JUN

SITE KELO
Time 0925
Air T 74°C
H_2O T 20.1C
Sal 0%
Condu 50 x10
DO 8.76
pH 8.2

DATE 23 JUN

SITE BSRC
TIME 0755
Air T 74°F
H_2O T 20.5 C
SAL 0%
CONDU 270 x 1
DO 7.92
pH 7.9

DATE 23 JUN

SITE DHVP
TIME 810
Air T 74°F
H_2O T 20.5 C
SAL 0%
CONDU 260 x 1
DO 8.78
pH 7.8

23 JUN DHLO

Time 8:27
Air T 71°F
H_2O T 21°C
Salin 0%
condu 262 x1
DO 8.94
pH 8.3

DATE 29 JUN

site MCRD
Time 8:09
Air T 62°F
H_2O T 17°C
Salin 0%
Condu 220 x1
DO 9.52
pH 8.2

96

DATE 29 JUN

site ROBD
Time 8:11
Air T 61
H_2O T 16°C
Salin 0%
Condu 225 x1
DO 9.04
pH 8.4

91

DATE 29 JUN site MCLO
time 0817
Air T 62
H_2O T 16.5
Salin 0%
Condu 245
DO 9.45 97
pH 8.3

DATE 29 JUN site MCUP
time 0900
Air T 61
H_2O T 17°C
Salin 0%
Condu 270 x1
DO 9.64 95
pH 8.4

Date 29 JUN site MCMI
time 0933
Air T 63°F
H_2O T 16.5 ¢
Salin 0%
Condu 250 x1
DO 9.46 93
pH 8.1

*

DATE 30 JUN site AMCR
time 1102
Air T 79° F
H_2O T 19°C
Salin 0%
Condu 220 x1
DO 9.18 95
pH 8.0

DATE 07 JUL site KRTR
Rained yesterday
time 0905
Air T 67°C
H_2O T 18.0°C
Salin 0%
Condu 60 x10
*DO 9.22 96
pH 7.8

*O_2 sensor went * Zero for these following readings

DATE 07 JUL site KRUP
time 0912
Air T 66°F
H_2O T 18.8°C
Salin 0%
Condu 495 x1
*DO 8.80
pH 7.7 91

DATE 07 JUL site KRLO
Time 09:30
Air T 70°F
H_2O T 18.5°C
Salin 0%
Condu 405 x1
* DO 9.02
pH 8.0 — other

DATE 11 JUL site BSRC
Time 08:15
Air T 68°F
H_2O T 18°C
Salin 0%
Condu 255 x1
* DO 7.92
pH 7.9

95

DATE 11 JUL site DHUP
Time 08:37
Air T 66°F
H_2O T 18.2°C
Salin 0%
Condu 70 x10
* DO 8.71
pH 8.1

91

Date 11 JUL site DHLO
Time 0900
Air T 65°F
H_2O T 18.0°C
Salin 0%
Condu 460 x1
* DO 9.55
pH 8.2

93

DATE 11 JUL site AMCR
Time 9:40
Air T 75°F
H_2O T 19°C
Salin 0%
Condu 215 x1
* DO 8.73
pH 8.1

96

DATE 12 JUL site MCRD
Time 8:45
Air T 64°F
H_2O T 16.5°C
Salin 0%
Condu 225 x1
* DO 9.41
pH 8.3

92

DATE 12 JUL site ROBD
Time 0852
AirT 66°F
H_2OT 16°C
Salin 0%
Condu 235 x1
* DO 9.15 95
pH 8.3

DATE 12 JUL site MCLO
Time 0858
AirT 66°F
H_2OT 16°C
Salin 0%
Condu 225 x1
* DO 9.41 96
pH 8.1

DATE 12 JUL site MCUP
Time 09:35
AirT 65°F
H_2OT 17°C
Salin 0%
Condu 255 x1
* DO 9.45 93
pH 8.4

DATE 12 JUL site MCM1
time 10.00
AirT 66°F
H_2OT 17.0°C
Salin 0%
Condu 250 x1
* DO 9.18 91
pH 8.1

19 JUL KR- Big Sampling
New Membrane Installed - NO HELP
14:15
AirT 82°F
H_2OT 24°C
Salin 1.0%
Condu 255 x1
* DO METER EVEN WORSE! 0.13 *
DO 9.81
pH 8.4

DATE 25 JUL site KRTR
Time 0845
Air T 70°F
H_2OT 19°C
Salin 0%
Condu 270 x1
* DO 9.80
pH 8.2 93

DATE 25 JUL site KRUP
Time 0858
Air T 73°F
H_2O T 21°C
Salin 0%
Condu 280 X1
* DO 9.84 92
pH 7.9

DATE 25 JUL site KRLO
Time 0915
Air T 75°F
H_2O T 20.2°C
Salin 0%
Condu 342 X1
* DO 9.71 other
pH 8.1

DATE 01 AUG site BSRC - low flow
Time 0840
Air T 68°F
H_2O T 17.5°C
Salin 0%
Condu 65 X10
AIR won't → * DO
calibrate either! pH 7.6 95
(because of NON-ZERO)

DATE 01 AUG site DHUP
time 0900
Air T 66°F
H_2O T 17°C
Salin 0%
Condu 70 X10
* DO 98
pH 8.2

DATE 01 AUG site DHLO
time 0928
Air T 64°F
H_2O T 17°C
Salin 0%
Condu 75 X10
* DO 93
pH 8.5

DATE 01 AUG site AMCR
time 10:05
Air T 80°F
H_2O T 18.5°C
Salin 0%
Condu 80 X10
* DO
pH 8.0 92

1990! Happy New Yr

Date			
08JUN	site	KRTR	
	time	11:40	
	AirT	64°F	
	H_2O T	15°C	
	Salin	0%	
	Condu.	155 x1	mHos
	DO	No meter	
	pH	7.9	96

Date			
08 Jun	SITE	KRUP	
	TIME	11:53	
	AirT.	69°F	
	H_2OT.	16°C	
	SALIN	0%	
	Condu.	200x1	
	DO	No meter	93
	PH	8.3	

08 JUN	Site	KRLO	
	Time	12:35	
	AirT	70°F	
	H_2OT	17 C	
	Salin	0	
	Condu	200x1	
	pH	8.6	95
		No	

08 June			
	SITE	DHUP	
	Time	1303	
	AirT.	72°F	
	H_2OT	18.5°C	
	Salin	0%	
	Cond.	230x1	
	DO	No meter	92
	PH	8.5	

08JUN			
	Site	DHLO	
	Time	1322	
	AirT	66	
	H_2OT	17°C	
	Salin	0	
	Cond	220x1	
	DO	No meter	91
	pH	8.7	

Date 13 June	Site	BSRC	
	Time	0930	
	Air T	68°F	
	H_2O T	15°C	
	Salin	0%	
	Cond	240x1	
	DO	No Meter	90
	PH	7.9	

13 June	Site	AMCR	
	Time	0945	
	Air T	80°F	
	H_2O T	16°C	
	Salin	0%	
	Cond	230x1	
	DO	No Meter	
	PH	8.0	94

13 June	Site	MCLO	
	Time	1045	
	Air T	76°F	
	H_2O T	14°C	
	Salin	0%	
	Cond	200x1	
	DO	No meter	95
	PH	8.0	

13 June	Site	ROBD	
	Time	1055	
	Air T	72°F	
	H_2O T	14°C	
	Salin	0%	
	Cond	325x1	
	DO	No meter	
	PH	8.0	92

13 June	Site	MCRD	
	Time	1105	
	Air T	72°F	
	H_2O T	14.5°C	
	Salin	0%	
	Cond	200x1	
	DO	No meter	
	PH	8.2	96

Date	13 June	Site	MCMP		
		Time	1149		
		Air T.	77°F		
		H_2O T	17°C		
		Salin	0%		
		Cond	300x1		
		DO	No meter		
		PH	8.3	93	
	13 June	Site	MCM1		
		Time	1235		
		Air T	71°F		
		H_2O T	18°C		
		Salin	0%		
		Cond	275x1		
		DO	No Meter		
		PH	8.2	91	

Date	June 21	Site	KRUP
		Time	0925T
		Air T	69°F
		H_2O T	17°C
		Salin	0%
		Cond.	235x1
		Do - meter	
		PH	8.2 (93)
	June 21	S. H	KRTR
		Time	0940
		Air T	68°F
		H_2O T	17°C
		Salin	0%
		Cond.	235x1
		DO	no meter
		PH	8.2 (92)

Date	June 21	Site	KRLO
		Time	1010
		AirT	73 °F
		H20T	17 °C
		Salin	0%
		Cond	240 x1
		DO	- No meter
		PH	8.3 (94)
	June 21	Site	DHLO
		Time	1104
		AirT	70°F
		H20T	19°C
		Salin	0%
		Cond	290 x1
		DO	no meter
		PH	8.6 (96)

June 21	Site	DHUP
	Time	1125
	AirT	81°F
	H20T	20°C
	Salin	0%
	Cond	290 x1
	DO	- no meter
	PH	8.4 (91)
June 21	Site	MCMI
	Time	1345
	AirT	75°F
	H2OT	22°C
	Salin	0%
	Cond	75 x10
	DO	no meter
	PH	8.2 (95)

Data

June 24 Site ANCR
Time 0905
AirT 72 °F
H_2OT 18 °C
Salin 0%
Cond 230 x1
DO- no meter
PH 8.0 (94)

June 24 Site MCLO
Time 1010
AirT 67 °F
H_2OT 17 °C
Salin 0%
Cond 240 x1
DO no meter
PH 8.2 (95)

June 24 Site ROBI
Time 1020
AirT 67 °C
H_2OT 17 °F
Salin 0%
Cond 290 x1
DO-no meter
PH 8.2 (91)

June 24 Site RDMC
Time 1035
AirT 72 °F
H_2OT 17 °C
Salin 0%
Cond 230 x1
DO- no meter
PH 8.3 (92)

Site MCUP
Time 1120
AirT 83 °F
H_2OT 19 °C
Salin 0%.
Cond 300 x1
DO no meter
PH 8.4 (93)

June 29

Site MCMI
Time 1215
Air T 77°F
H_2O T 20°C
Salin 0‰
Cond 280 x1
DO - no meter
PH 8.2 (96)

Date July 6

Site BSRC
Time 0905
Air T 69°F
H_2O T 18°C
Salin 0‰
Cond 230 x1
DO - no meter
PH 7.8 (91)

July 4

Site DHLO
Time 1000
Air T 70°F
H_2O T 17°C
Salin 0 ‰
Cond 60 x10
DO - no meter
PH - (92)

No rainwater just pools / Sample void

Date July 6

Site DHUP
Time 1015
AirT 69 °F
H_2OT 17 °C
Salin 0%
Cond 270 x1
DO no meter
PH (95)

Puddles
No running water
Sample void

July 6

Site KRTR
Time 11:20
AirT 69 °F
H_2OT 17 °C
Salin 0%
Cond 235 x1
DO - no meter
PH 8.3 (93)

NOTE: Orange colored seeping in from under culvert of entrance rd. Sulphur/iron leach-like resemblance

July 6

Site KRUP
Time 11:30
AirT 70 °F
H_2OT 18 °C
Salin 0%
Cond 230 x1
DO - no meter
PH 8.5 (96)

July 6

site KRLO
Time 11:50
AirT 71° C°
H_2OT 17°C
Salin 0%
Cond 228 Jar
DO
pH 8.4

July 13 Site ANCK
Time 1000
AirT 69°F
H2OT 18°C
Salin 0%
Cond 230 X1
PH 8.2 (Jar)
DO - no meter

creek barely running

July 13 Site MCLO
Time 1050
AirT 67°F
H2OT 16°C
Salin 0%
Cond 170 X1
PH 8.2 (96)
DO no meter

Stream a bit lower than usual

July 13 Site ROBD
Time 11:03
AirT 69°F
H2OT 16.5°C
Salin 0%
Cond 400 X1
PH 8.3 (91)
DO - no meter

very low - barely running

July 13 Site MCRD
Time 11:10
AirT 69°F
H2OT 17°C
Salin 0%
Cond 190 X1
PH 8.3 (95)
DO no meter

Stream lower than usual

July 13 Site MCUP
Time 1150
AirT 73°F
H2OT 19°C
Salin 0%
Cond 345 X1
PH 8.6 (93)
DO no meter

Stream lower than usual

July 13 Site MCMI
Time 1240
AirT 73°F
H2OT 18°C
Salin 0%
Cond 315 X1
PH 8.2 (92)
Do - no meter

Stream barely running

July 20

Site	KRTR		Water level very low - but still running
Time	0802		
AirT	73 °F		
H_2OT	19 °C		
Salin	0%		
Cond	310	x1	
PH	8.3	(95)	
DO	No meter		

Site	KRUP		Stream running well
Time	0810		
AirT	74 °F		
H_2OT	20 °C		
Salin	0%		
Cond	70	x10 * ←	
PH	8.3	(92)	
DO	No meter		

Site	KRLO		running - low very murky - more algae growing on banks (brown)
Time	0830		
AirT	73 °F		
H_2OT	18 °C		
Salin	0%		
Cond	195	x1	
PH	8.2	(Jar)	
DO	No meter		

July 20

Site		
AirT	°F	
H_2OT	°C	
Salin	0%	
Cond	x1	
PH		( )
DO		

BSRC - pools mostly choked w/ green algae/spirogira

DHURLO - Not running - dry/pools

July 25 Site ANCR — low, slow running + muddy
Time 0810 — overcast
Air T 72°F
H2O T 20°C
Salin 0%
Cond 240 X 1
PH 8.0 (92)
DO - no meter

Site MC20 — low, running
Time 0915 — well but
Air T 70°F — murky
H2O T 20°C
Salin 0%
Cond 250 X 1
PH 8.25 (96)
DO - no meter

July 25 Site ROB1
Time 0917
Air T 71°F
H2O T 19°C
Salin 0%
Cond 345 X 1
PH 8.1 (91)
DO - no meter

Site MCR1
Time 0931
Air T 71°F
H2O T 19°C
Salin 0%
Cond. 250 X 1
PH 8.3 (95)
DO - no meter

July 25

Site MCMP
Time 1010
AirT 76 °F
H_2OT 21 °C
Salin 0 ‰
Cond 65 X10
PH 8.4 (Jar)
DO - no meter

Site MCMI
Time 1055
AirT° 76 °F
H_2OT 21 °C
Salin 0 ‰
Cond 61 X10
PH 8.2 (93)
DO - no meter

July 30

Site KRTR (Very low only 1 culvert running)
Time 0858
AirT 71 °F
H_2OT 19 °C
Salin 0 ‰
Cond 320 X1
PH 8.4 (92)
DO - no meter

Site KRUP
Time 0910
AirT 74 °F
H_2OT 19 °C
Salin 0 ‰
Cond 270 X1
PH 8.4 (96)
DO - no meter

Site KRLO
Time 0925
AirT 75 °F
H_2OT 19 °C
Salin 0 ‰
Cond 240 X1
PH 8.4 (91)
DO - no meter

8/9/90
RAINED HEAVILY FOR 3 days Ending 2 days prior to sampling All streams Very high + flowing well.

Aug 9

Site	AMCR
Time	0910
AirT	67°F
H_2OT	18°C
Salin	0‰
Cond	220x1
PH	8.0 (Jan)
DO	No meter

Site	MCLO
Time	1035
AirT	70°F
H_2OT	18°C
Salin	0‰
Cond	220x1
PH	8.3 (95)
DO	No meter

Site	ROBD
Time	1043
AirT	71°F
H_2OT	18°C
Salin	0‰
Cond	230 x1
PH	8.2 (92)
DO	no meter

Aug 9

Site	MCRD
Time	1052
AirT	70°F
H_2OT	18°C
Salin	0‰
Cond	60 x10
PH	8.3 (93)
DO	no meter

Site	MCUP
Time	1145
AirT	80°F
H_2OT	19°C
Salin	0‰
Cond	245x1
PH	8.2 (96)
DO	no meter

Site	MCMI
Time	1240
AirT	77°F
H_2OT	21°C (*?)
Salinity	0‰
Cond	245 x1
PH	8.1 (91)
DO	no meter

Aug 17	SITE	KRTR ①
	TIME	1312
	AIRT	73°
	H_2O T	20°
	Salin	0‰
	Cond	230x1
#96	PH	
	DO	0
Aug 17	SITE	KRUP ②③
	TIME	1326
	AIRT	80°
	H_2O T	20°
	Salin	0‰
	Cond	250x1
#91	Ph	
	DO	
Aug 17	SITE	KR ③LO
	TIME	1349
	AIRT	81°
	H_2O T	19°
	Salin	0
	Cond	230x1
#95	Ph	
	DO	

Aug 17	SITE	DH ①UP
	TIME	1414
	AIRT	90°
	H_2O T	17°
	Salin	0
	Cond	440x1
#92	Ph	
	DO	
Aug 17	SITE	DH ②LO
	TIME	1440
	AIRT	77°
	H_2O T	23°
	Salin	0
	Cond	320x1
#93	Ph	
	DO	0
Aug 17	SITE	Bill Sun Creek (BSRC)
	TIME	1509
	AIRT	89°
	H_2O T	21°
	Salin	0
	Cond	290x1
#90	Ph	
	DO	

Linda White

11 JUN 91

H_2O Low

site MCLO
Time 13:14
Air T 77°F
H_2O T 18.0 C
Salin 0 %
Cond 210 x 1

pH & DO N/A

Site ROBD
Time 13:20
Air T 77°F
H_2O T 18.5 C
Salin 0%
Condo 415 x 1

low, trickle

Site MCRD
Time 1325
Air T. 74°F
H^2O T 18.0 C
Salin. 0.04%
Cond. 85 x 10

Low

site MCUP
Time 14:15
Air T 75°F
H_2O T. 22°C
Salin.
Condo. 400 x 1

Low/Low
trickle

11 June

SITE mcml
Time 1445
Air T 76°F
H_2O T 21.0 C
Salin 0 %
Condo 385 X 1

Low, trickle

15 June

Site KRUP
Time 1632
Air T. 87°F
H^2O T 21°C
Salin 0 %
Condo- 248 x 1

Deep

Site KRTR
Time 1643
Air T 87°F
H_2O T 20°C
Salin 0 %
Condu. 260 x 1

Low

Site KRLO
Time 1657
Air T 85° F
H^2O T 22° C
Salin 0 %
Condu. 249 x 1

15 June

Site	DHUP	
Time	1800	
Air T.	87°F	No Water
H^2O T	27°C	Movement
Salin	0%	
Cond.	300 x 1	

Site	DHLO	
Time	1813	trickle
Air T	80°F	
H^2O T	20°C	
Salin	0%	
Cond.	420 x 1	

Site	AMCR	
Time	1900	
Air T	75°F	
H^2O T	22.5°C	
Salin	0%	
Cond.	250 x 1	

Site	BSRC	
Time	1916	
Air T	81°F	
H^2O T	22.5°C	Cond. 330 x 1
Salin	0%	

22 June 1991

Site	KRTR	
Time	1600	Trickle
Air T.	73°F	
H_2O	20°C	
Saline	0%	
Cond.	148 x 1	

Site	KRUP	Deep
Time	1605	
Air T.	73°F	
H_2O	19.5°C	
Saline	0%	
Cond	230 x 1	

Site	KRLO	Deep
Air T	72°F	
H_2O	19.5°C	
Saline	0%	
Cond	250 x 1	
Time	1415	

June 22, 91 Site BSRC

Time	1630
Air T.	74°F
H_2O T	18°C
Salin	0%
Condt.	300 x1

Site DHUP Stagnient

Air T.	74°F
H_2O T.	22°C
Salin	0%
Condt	150 x1

Site DHLO

Air T.	71°F
H_2O T.	19°C
Sal.	0%
Cond.	358 x1

July 6, 1991

Site MCUP #10

Time	1600
Air T	81°F
H_2O T	24°C
Salin	0%
Condt.	140 x1

Site MCMI

Time	1620
Air T	82°F
H_2O T	23°C
Salin	0 %
Condt.	290 x1

Site MCRD

Time	1729
Air T.	83°F
H_2O T	20°C
Salin	0 %
Condt.	230 x1

July 7, 1991

Tsinkle

Site	ROBD
Time	1737
Air T	78°F
H_2O T	22°C
Salin	0‰
Condt.	290 x 1

Site	MCLD
Time	1743
Air T.	78°F
H_2O T	20°C
Salin	0‰
Condt.	175 x 1

Site	AMCR
Time	1817
Air T.	79°F
H_2O T	21°C
Salin	0‰
Condt.	245 x 1