

Sabattus River, Aug 2000 Survey

Station	Date	Time	TKN mg/l	NH3 mg/l	NOx mg/l	TP ppb	PO4 ppb	Chl-a, ppb		DEP		STP		CBOD mg/l	final NOx
								uncor	cor	BOD5 mg/l	BOD5 mg/l	TBOD mg/l	NBOD mg/l		
SR1	08/23/00	5:25	0.6	<0.01	0.01	39	2	29.4	26.7	-	-	8.9	1.3	7.6	0.32
	08/23/00	lab dupe	-	-	(0.01)	-	-	-	-	-	-	9.2	2.4	6.8	0.57
	08/24/00	6:15	0.5	0.01	0.01	38	<2	23.2	21.6	-	-	8.1	1.2	6.9	0.29
	08/24/00	lab dupe	-	-	(0.01)	-	-	-	-	-	-	7.5	1.0	6.5	0.24
	08/25/00	5:35	0.6	<0.01	0.01*	35	<1	18.9	17.4	-	-	9.3	1.1*	8.2*	0.26
08/25/00	lab dupe	-	-	(0.01*)	-	-	-	-	-	-	9.6	1.0*	8.6*	0.23	
SR2	08/23/00	5:45	-	-	-	73	-	71.7	65.9	-	-	-	-	-	-
	08/24/00	6:25	-	-	-	60	-	24.0	21.1	-	-	-	-	-	-
	08/25/00	5:50	-	-	-	50	-	24.6	22.2	-	-	-	-	-	-
SR3	08/23/00	6:05	0.6	0.02	0.03	44	<1	22.0	19.5	-	-	8.8	1.3	7.5	0.33
	08/24/00	6:43	0.5	0.02	0.04	44	3	16.3	13.9	-	-	8.0	1.1	6.9	0.29
	08/25/00	6:07	0.5	0.02	0.03*	43	<1	14.4	12.8	-	-	10.5	1.0*	9.5*	0.27
	08/25/00	fld. dupe	0.5	0.02	0.03*	40	2	13.4	11.7	-	-	8.4	0.9*	7.4*	0.24
SR3A	08/23/00	6:45	0.6	0.02	0.17	66	11	19.2	17.4	-	-	8.8	1.3	7.5	0.46
	08/24/00	7:22	0.6	0.02	0.18	67	17	15.4	13.6	-	-	7.8	1.1	6.7	0.43
	08/25/00	6:50	0.6	0.02	0.20	66	17	11.7	10.4	-	-	8.0	0.8	7.2	0.39
SR4	08/23/00	6:25	0.8	0.02	0.29	96	11	25.0	22.2	-	-	9.3	1.3	8.0	0.58
	08/24/00	7:03	0.7	0.02	0.28	92	18	20.2	17.9	-	-	9.3	1.3	8.0	0.57
	08/25/00	6:30	0.7	0.03	0.32	93	25	13.2	11.5	-	-	9.0	0.8	8.2	0.51
SR5	08/23/00	5:45	0.7	0.03	0.30	99	7	23.8	20.6	-	-	9.5	1.3	8.2	0.61
	08/24/00	5:40	0.7	0.03	0.24	88	7	21.1	18.2	-	-	8.7	1.3	7.4	0.54
	08/25/00	5:40	0.7	0.04	0.37	97	16	15.3	13.4	-	-	10.2	1.0	9.2	0.59
SR7	08/23/00	7:28	0.6	0.04	0.22	61	14	11.5	10.4	-	-	5.8	0.7	5.1	0.39
	08/24/00	7:55	0.6	0.04	0.23	59	11	12.5	11.5	-	-	6.7	1.1	5.6	0.48
	08/25/00	7:25	0.6	0.05	0.26	56	8	11.5	10.4	-	-	7.2	0.7	6.5	0.43
SR8	08/23/00	7:10	0.6	<0.01	0.23	64	3	23.1	21.9	-	-	7.4	1.1	6.3	0.49
	08/23/00	fld. dupe	0.5	0.01	0.24	48	5	14.8	13.6	-	-	5.8	0.8	5.0	0.43
	08/24/00	7:23	0.5	<0.01	0.25	49	3	18.1	17.1	-	-	6.8	0.9	5.8	0.46
	08/25/00	7:10	0.5	<0.01	0.25	52	2	19.6	18.4	-	-	7.3	0.8	6.5	0.44
SR10	08/23/00	6:15	0.5	0.01	0.11	40	<1	16.3	13.9	-	-	6.7	1.2	5.5	0.38
	08/24/00	6:45	0.6	0.02	0.13	41	<2	14.0	11.7	-	-	6.5	1.0	5.5	0.35
	08/25/00	6:30	0.6	0.01	0.10*	NA	<1	18.3	15.8	-	-	8.2	0.9*	7.3*	0.30
SR11	08/23/00	6:50	0.6	0.01	0.22	38	2	17.8	16	-	-	6.3	0.4	5.9	0.31
	08/24/00	6:11	0.6	0.02	0.09	37	<2	12.6	11.2	-	-	6.7	0.9	5.8	0.29
	08/25/00	6:00	0.5	0.01	0.11*	36	<1	14.3	12.8	-	-	7.7	0.7*	7.0*	0.27
NN	08/24/00	7:45	0.6	0.06	0.17	62	4	4.5	3.7	-	-	6.9	1.0	5.9	0.40
	08/24/00	fld. dupe	0.5	0.07	0.17	62	3	4.8	3.7	-	-	6.3	0.8	5.5	0.36
BB	08/24/00	6:32	0.7	0.02	0.14	69	11	5.8	3.5	-	-	7.2	0.7	6.5	0.30
MX (FR)**	08/31/00	12:25	0.4	0.02	0.37	29	8	2	2.4	-	-	3.9	0.4	3.5	0.47
SAB	08/23/00	comp.	1.1	<0.01	28	3700	3700	-	-	1.9	2	13.6	0.0***	13.6	24.6
	08/24/00	comp.	0.9	<0.01	28	3800	4100	-	-	2.1	-	11.2	0.0***	11.2	23.6
	08/24/00	fld. dupe	0.7	<0.01	27	3900	4000	-	-	1.7	-	10.7	0.0***	10.7	26.6
	08/25/00	comp.	1.1	<0.01	29	3800	3500	-	-	2.0	-	13.3	0.0***	13.3	23.9

\*NOx run on less sensitive instrument w/ MDL of 0.2 mg/l  
 \*\*Maxwell Brook sampled the following week at Furbush Road  
 \*\*\*NBOD taken as 0, calculated NBOD < 0

Date: 08/23/00					
Station		Depth m	DO mg/l	Temp °C	% Sat
SR1	06:15	mid	7.9	21.2	89%
	13:20	mid	8.2	21.8	93%
SR2	05:45	0	5.7	20.5	63%
		1	5.7	20.0	63%
	13:31	0	8.3	22.5	96%
		1	7.9	21.8	90%
SR3	06:05	mid	7.7	20.7	86%
	13:40	mid	8.4	21.4	95%
SR3A	06:45	mid	7.0	20.3	77%
	14:02	mid	8.8	21.7	100%
SR4	06:25	mid	6.6	19.7	72%
	13:50	mid	8.8	21.8	100%
SR4A	11:30	mid	8.2	21.0	92%
SR5	05:45	mid	6.9	18.8	74%
	15:25	mid	7.9	20.0	87%
SR6	7:15	mid	6.6	18.9	71%
	14:20	mid	7.7	20.0	85%
SR7	07:28	mid	6.4	18.6	68%
	14:37	mid	7.3	19.6	80%
SR7A	07:45	mid	7.9	18.6	84%
	14:41	mid	8.2	19.7	90%
SR8	07:10	0	7.4	19.0	80%
		1	7.3	19.0	79%
		2	6.6	18.3	70%
		2.5	5.7	18.2	60%
	14:35	0	8.5	20.1	94%
		1	8.2	20.0	90%
		2	6.3	18.6	67%
		2.5	6.0	18.4	64%
SR9	06:00	mid	7.6	19.2	82%
	14:10	0	8.6	20.0	95%
		1	8.3	19.8	91%
SR9A	06:30	mid	7.2	18.9	77%
	13:50	mid	2.5?	18.6	-
SR10	06:15	mid	8.2	18.9	88%
	13:55	mid	7.5	19.0	81%
SR11	06:50	0	8.7	19.7	95%
		1	8.2	19.1	89%
	13:30	0	9.35	20.2	103%
1		6.1	18.9	66%	
NN	AM	mid	5.3	16.8	55%
	14:25	mid	5.9	18.1	62%
BB	06:35	mid	5.2	15.6	52%
	13:45	mid	7.8	18.5	83%

Date: 08/24/00					
Station		Depth m	DO mg/l	Temp °C	% Sat
SR1	06:15	mid	7.9	20.3	87%
	13:00	mid	8.5	21.7	97%
SR2	06:25	0	6.1	19.7	67%
		1	5.9	19.8	65%
	13:07	0	8.8	22.2	101%
		1	8.2	21.6	93%
SR3	06:43	mid	7.9	19.8	87%
	13:13	mid	8.5	21.6	96%
SR3A	07:22	mid	7.2	19.7	79%
	13:35	mid	9.0	21.5	102%
SR4	07:03	mid	6.8	19.4	74%
	13:20	mid	8.6	21.8	98%
SR4A	10:58	mid	8.1	20.8	91%
SR5	05:40	mid	7.0	18.8	75%
	15+/-	mid	7.9	-	-
SR6	7:45	mid	6.4	18.8	69%
		mid	7.7	20.7	86%
	13:53	mid	7.7	20.7	86%
SR7	07:55	mid	6.4	18.9	69%
	14:02	mid	7.7	20.1	85%
SR7A	08:03	mid	7.9	18.9	85%
	14:07	mid	8.7	20.5	97%
SR8	07:23	0	7.3	18.8	78%
		1	7.3	18.8	78%
		2	6.5	18.7	70%
		2.5	5.3	18.3	56%
	14:13	0	8.9	22.6	103%
		1	8.7	19.4	95%
		2	5.95	18.8	64%
		3	3.7	17.9	39%
SR9	07:10	0	7.8	19.0	84%
		1	7.8	19.0	84%
	13:45	0	8.5	21.9	97%
		1	8.2	19.2	89%
		1.5	6.7	19.0	72%
SR9A	07:00	mid	7.2	18.7	77%
	13:35	mid	8.7	21.9	99%
SR10	06:45	mid	8.2	18.5	88%
	13:30	mid	8.7	21.0	98%
SR11	06:11	0	7.7	19.2	83%
		1	7.7	19.2	83%
		1.5	6.1	18.9	66%
	13:09	0	9.2	22.0	105%
1		6.0	19.0	65%	
NN	07:45	mid	5.0	17.1	52%
	13:57	mid	5.4	18.2	57%
BB	06:32	mid	5.8	15.8	58%
	13:20	mid	8.3	19.7	91%

Date: 08/25/00					
Station		Depth m	DO mg/l	Temp °C	% Sat
SR1	05:35	mid	8.1	19.9	89%
	12:40	mid	8.8	22.5	102%
SR2	05:50	0	6.2	19.4	67%
		1	6.2	19.5	68%
	12:50	0	9.0	22.7	104%
		1	7.0	20.2	77%
SR3	06:07	mid	7.8	19.7	85%
	12:55	mid	8.6	21.7	98%
SR3A	06:50	mid	7.3	19.5	79%
	13:20	mid	8.6	21.9	98%
SR4	06:30	mid	6.8	19.3	74%
	13:05	mid	8.3	21.7	94%
SR4A	07:55	mid	7.0	18.6	75%
SR5	05:40	mid	7.0	18.6	74%
	15:45	mid	8.1	21.4	92%
SR6	7:15	mid	6.4	18.9	69%
	13:35	mid	7.3	20.0	80%
SR7	07:25	mid	6.1	18.8	65%
	13:45	mid	7.6	20.7	85%
SR7A	07:33	mid	7.8	18.8	84%
	13:52	mid	8.3	21	93%
SR8	07:10	0	7.8	19.2	84%
		1	7.8	19.2	84%
		2	6.2	18.8	67%
		2.5	5.3	18.4	56%
	14:03	0	9.2	23.0	107%
		1	9.3	20.0	102%
SR9	06:55	0	8.3	19.0	89%
		1	8.4	19.0	91%
SR9A	14:50	0	9.1	22.5	105%
	06:45	mid	8.8	18.8	94%
SR10	-	mid	-	-	-
	06:30	mid	8.7	18.8	93%
	14:57	mid	9.0	22.5	104%
SR11	06:00	0	8.4	19.5	91%
		1	8.1	19.4	88%
		1.5	6.5	19.0	70%
	15:15	0	9.8	23.0	114%
		1	9.0	20.0	99%
		2	5.0	19.0	54%
NN (L) littlefield	07:30	0	8.4	19.0	91%
		0.5	6.6	18.2	70%
		1	3.5	17.2	36%
NN rr bridge	07:45	mid	5.4	17.3	56%
	14:15	mid	5.5	19.5	60%
BB	06:25	mid	5.5	15.0	55%
	15:03	mid	9.7	20.4	108%

Date: 08/31/00					
Station		Depth m	DO mg/l	Temp °C	% Sat
MX (FR)*	12:25	mid	9.3	18.8	100%

\*Maxwell Brook sampled the following week at Furbush Road

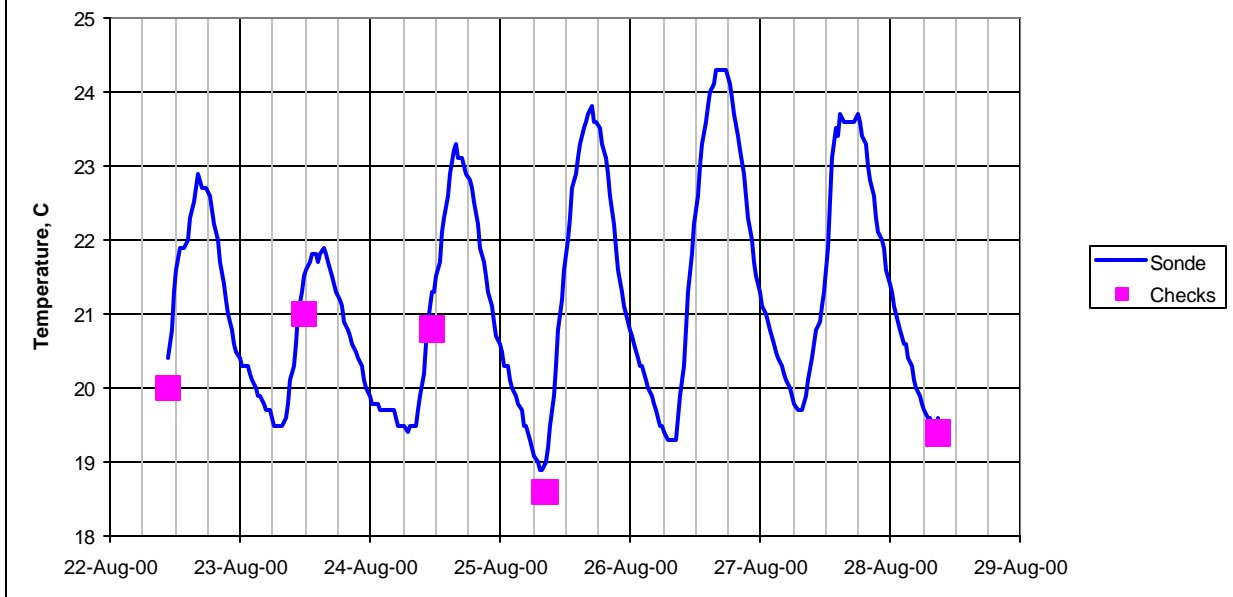
Date: 07/20/94					
Station		Depth m	DO mg/l	Temp °C	% Sat
Pond Outlet	12:15	mid	9	25.2	109%
Sawyer Rd. (S1)	07:38	mid	7.6	22.0	87%
	12:20	0	9.8	24.8	118%
		1	6.6	22.2	76%
Main St. (S2)	07:28	0	3.0	21.6	34%
		1	2.8	21.4	32%
below ruins	07:58	mid	7.4	22.0	85%
Rt. 126 (S3)	07:20	mid	7.0	21.9	80%
	12:27	mid	8.8	24	105%
Lisbon Rd. bridge (S4)	07:11	mid	4.8	20.1	53%
	12:35	mid	9.9	23.8	117%
Turnpike bridge (S5)	06:08	mid	5.8	21.0	65%
Crowley Rd. bridge (S7)	06:57	mid	7.4	21.1	83%
	12:48	mid	10.9	22.7	126%
King Rd. bridge (S8)	6:43	0	7.7	22.1	88%
		1	7.4	22.1	85%
		2	3.6	21.0	40%
		3	0.6	16.5	6%
	13:00	?	9.2	24.7	111%
Moody Rd. (S9)	08:45	mid	9.2	22.3	106%
Above Lisbon upper dam	08:35	0	7.7	22.2	88%
webster Rd. bridge	13:09	mid	8.7	25.0	105%
Mill St. bridge (S11)	08:53	0	7.2	22.1	83%
		1	6.9	22.0	79%
		2	5.5	21.8	63%
	13:17	0	8.2	24.6	99%
		1	7.8	22.2	90%
	2	5.2	21.8	59%	

Note: river flow from lake=3.5 cfs

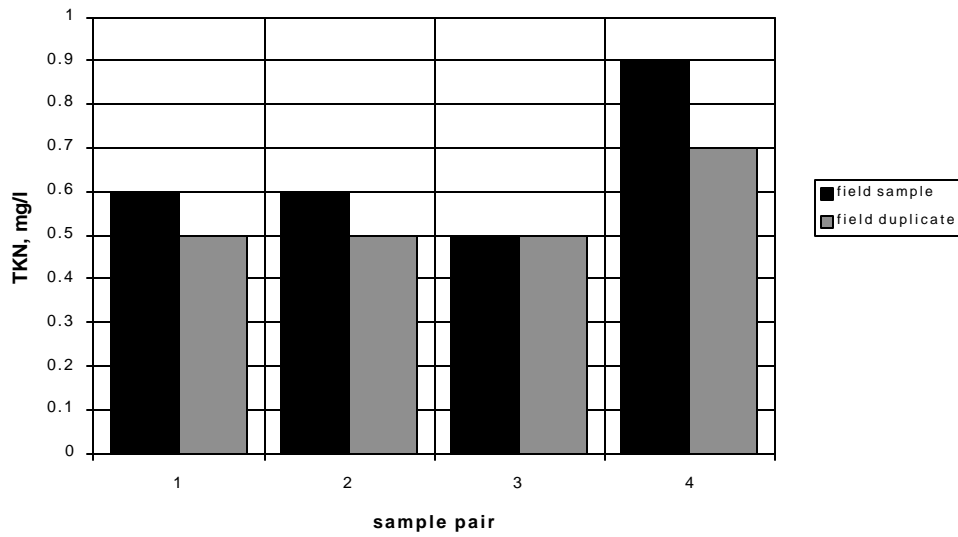
Date: 08/02/94					
Station		Depth m	DO mg/l	Temp °C	% Sat
Sawyer Rd. (S1)	07:24	mid	7.3	23.8	86%
Main St. (S2)	07:35	0	2.5	23.8	30%
		1	2.4	23.8	28%
Rt. 126 (S3)	07:50	mid	6.8	24	81%
Lisbon Rd. bridge (S4)	08:46	mid	5.6	22.5	64%
Turnpike bridge (S5)	09:55	mid	6.3	22.8	73%
Crowley Rd. bridge (S7)	11:07	0	8.1	23.8	96%
		1	8	23.8	95%
at STP*	8:10	mid	6.1	23.1	71%
above small rips*	08:19	mid	5.15	22.8	60%
pipeline?*	08:29	mid	6.6	22.4	76%
*	08:41	mid	5.4	22.3	62%
*	09:01	mid	6.7	22.1	77%
*	09:16	mid	5.8	22	66%
above turnpike*	09:48	mid	5.8	22.9	67%
below turnpike*	10:10	0	6.1	22.2	70%
		1	6.1	22.0	70%
*	10:25	mid	6.6	23.9	78%

\*sampling from canoe traveling downstream, locations not well defined  
Note: river flow from lake=3.8 cfs

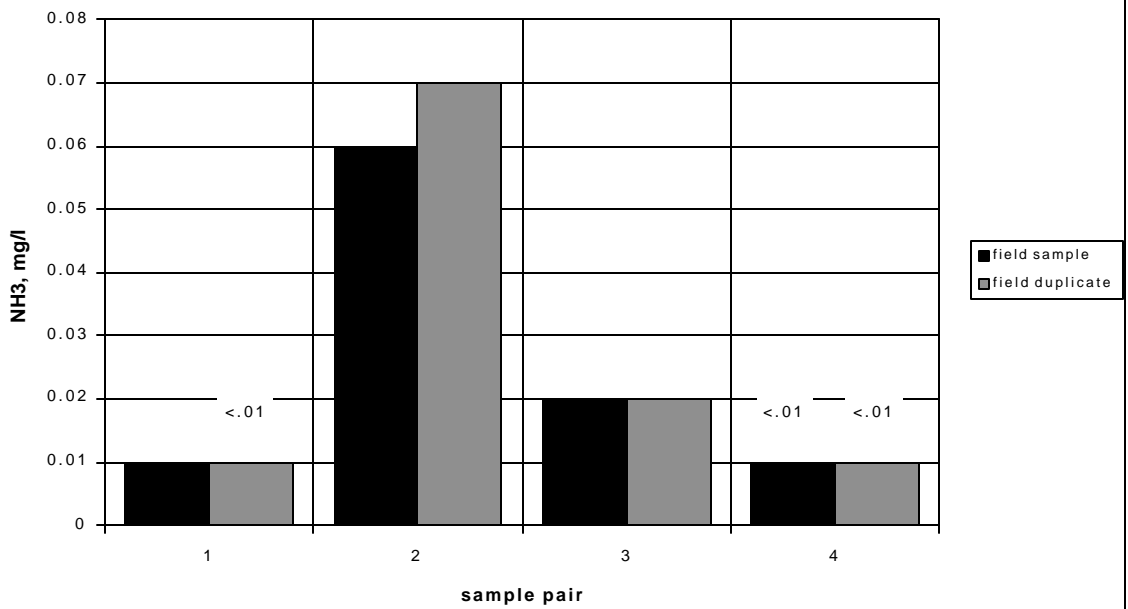
### Sabattus River Temperature Recording Sonde, Site 4A mile 2.2

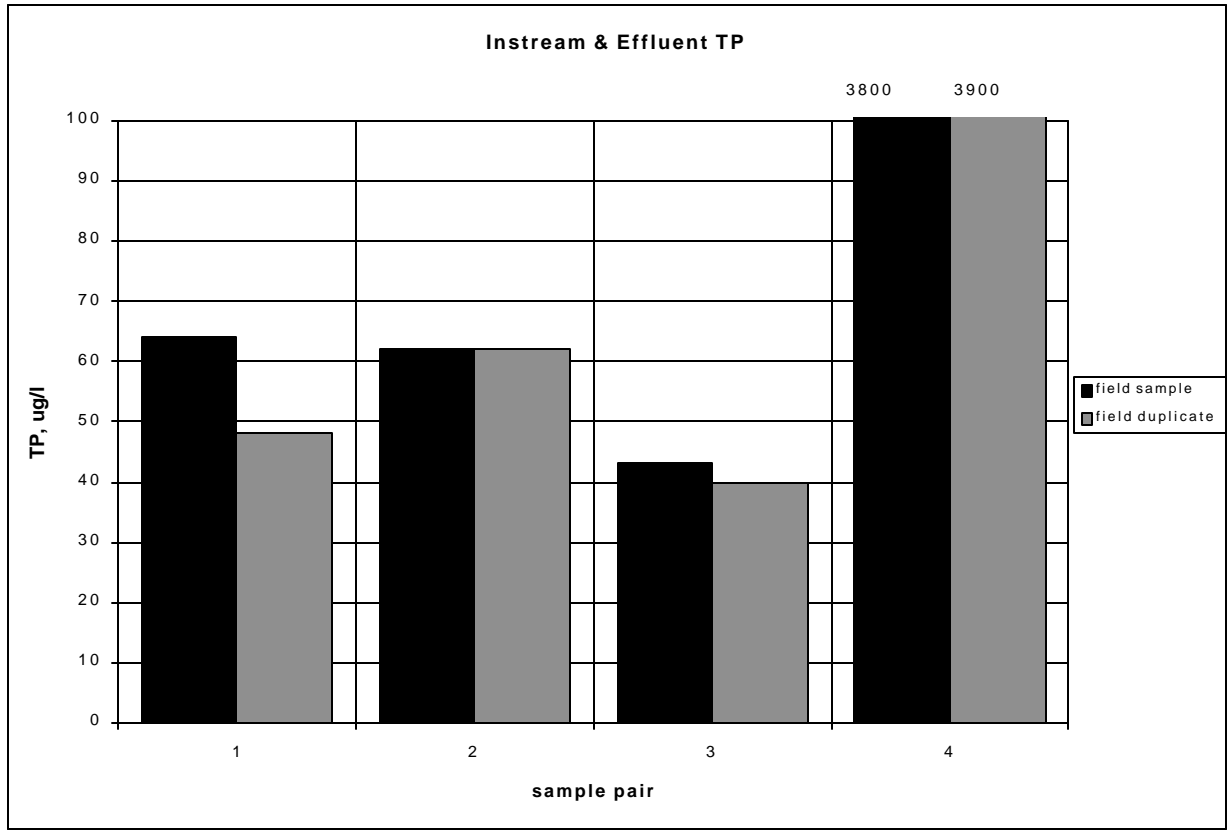
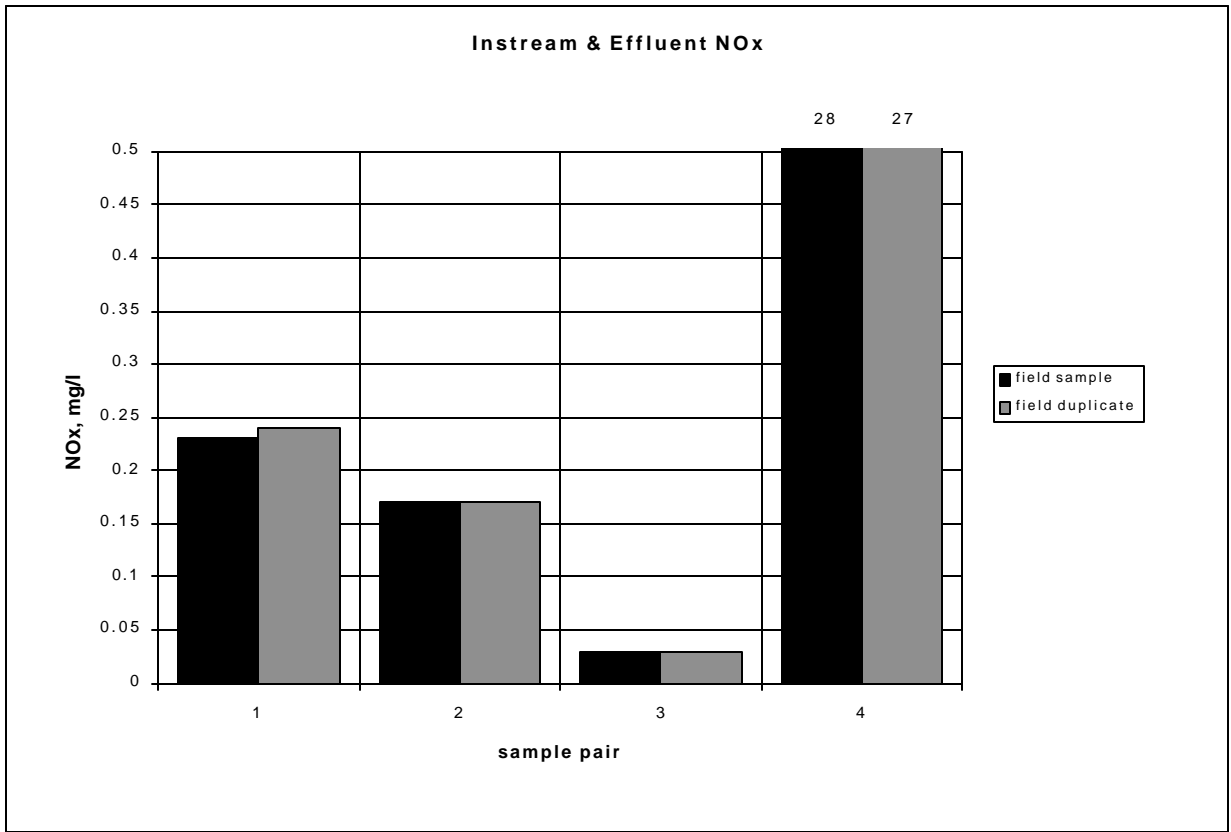


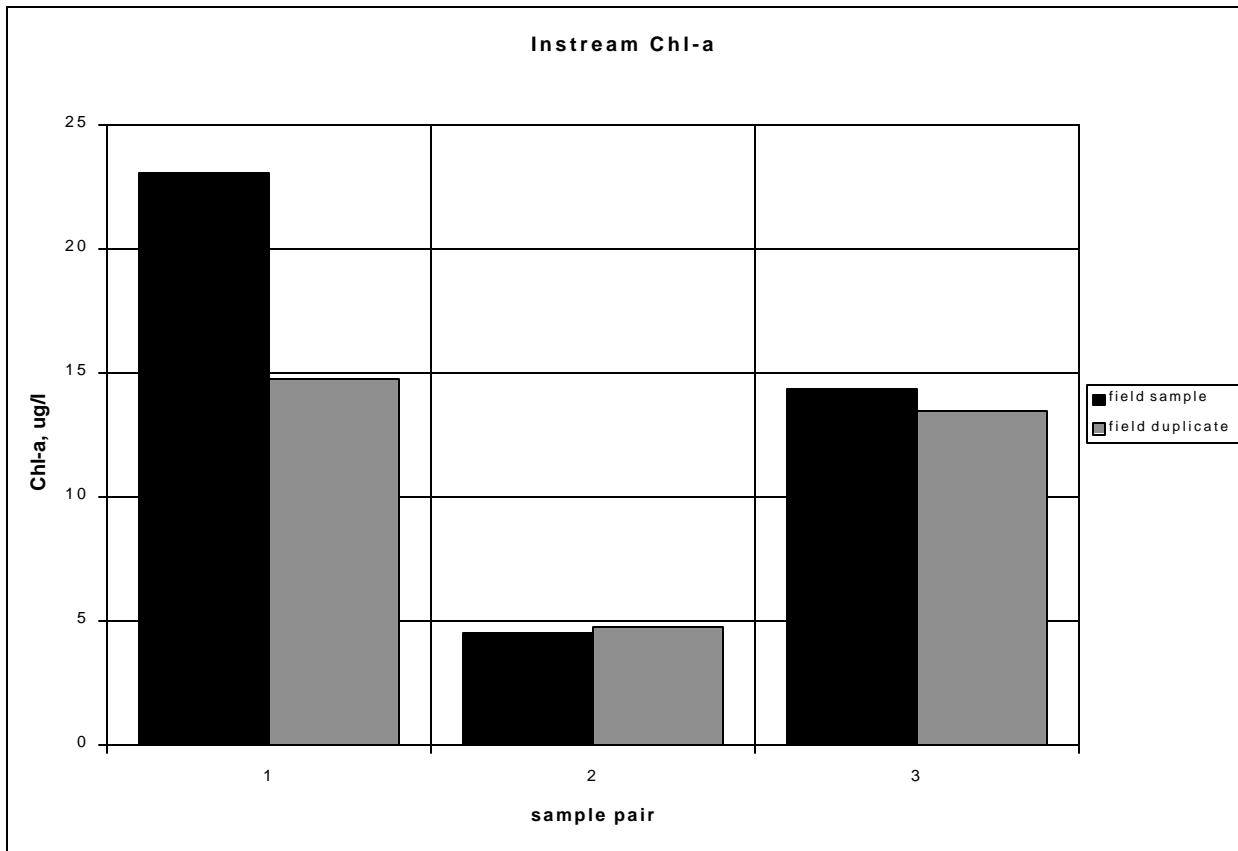
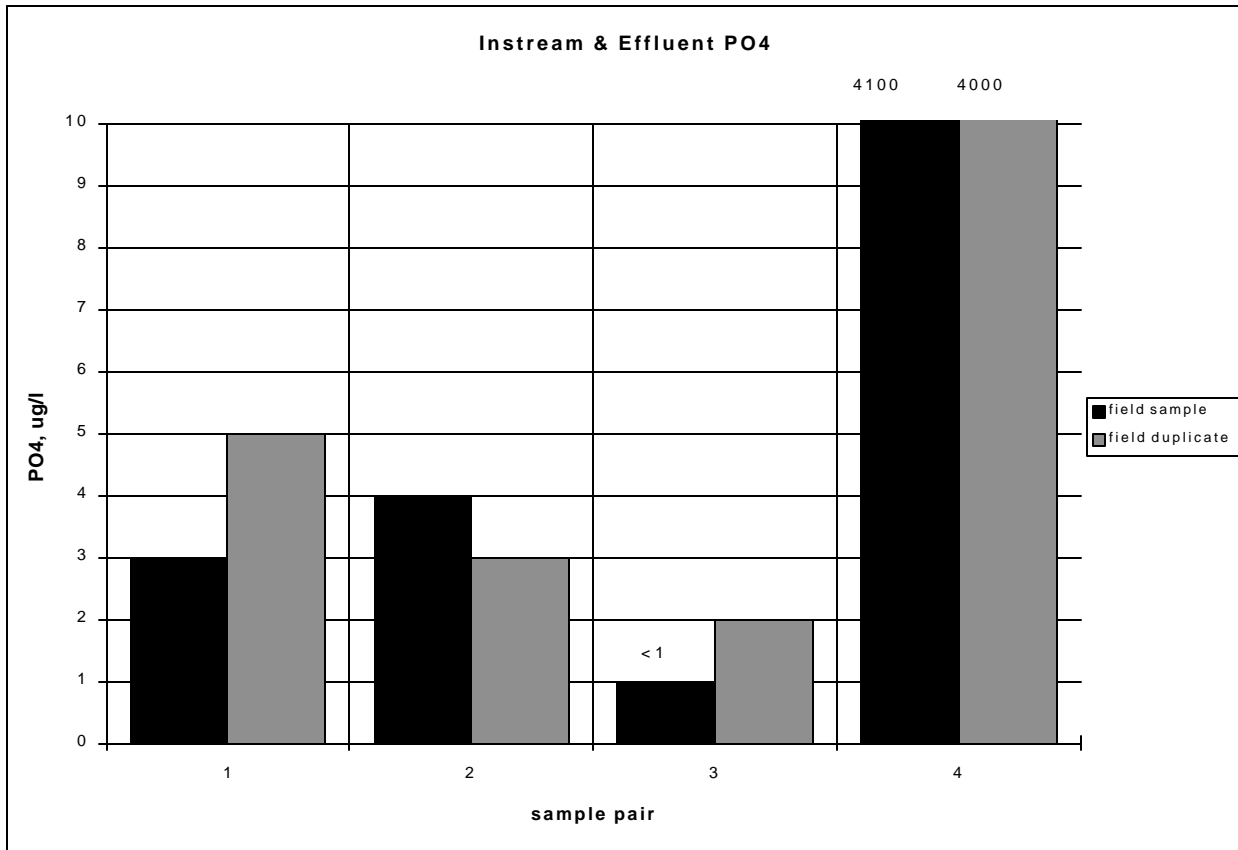
### Instream & Effluent TKN



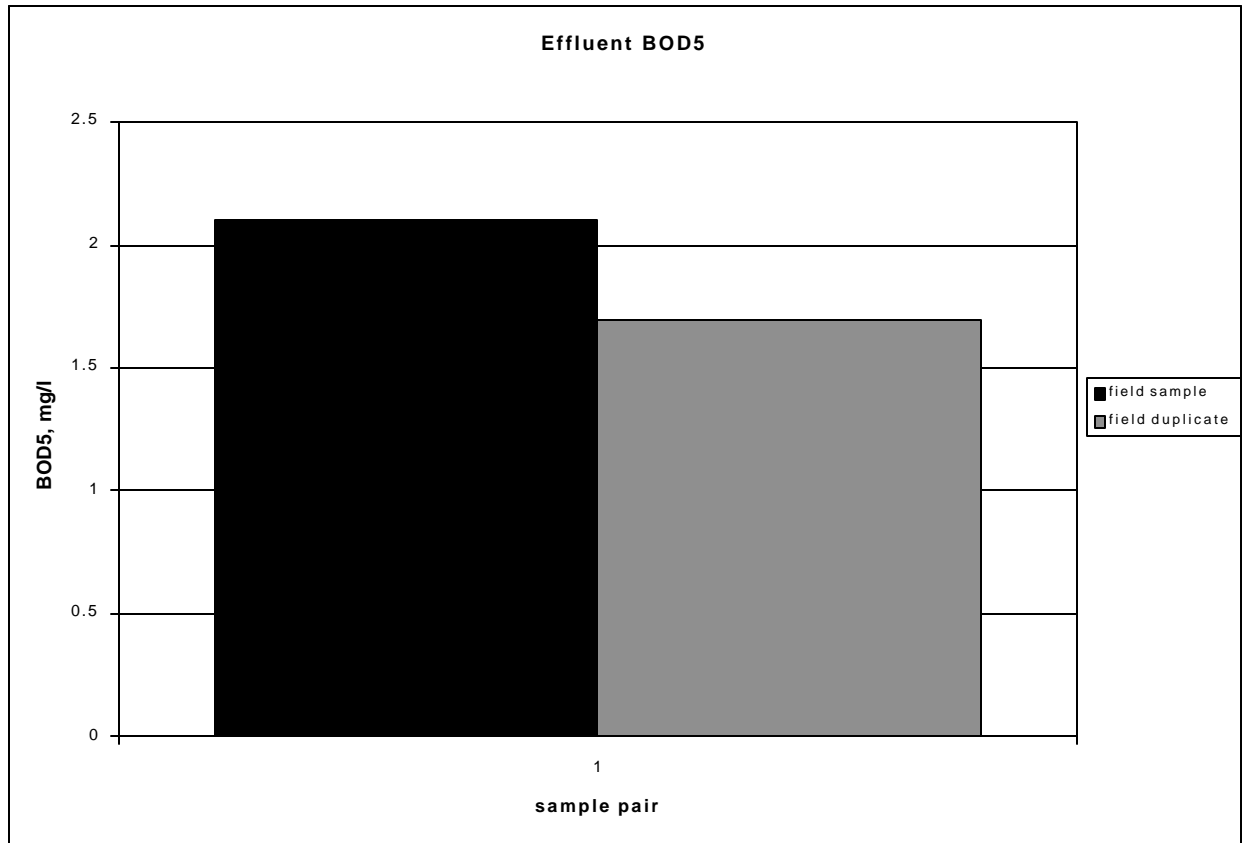
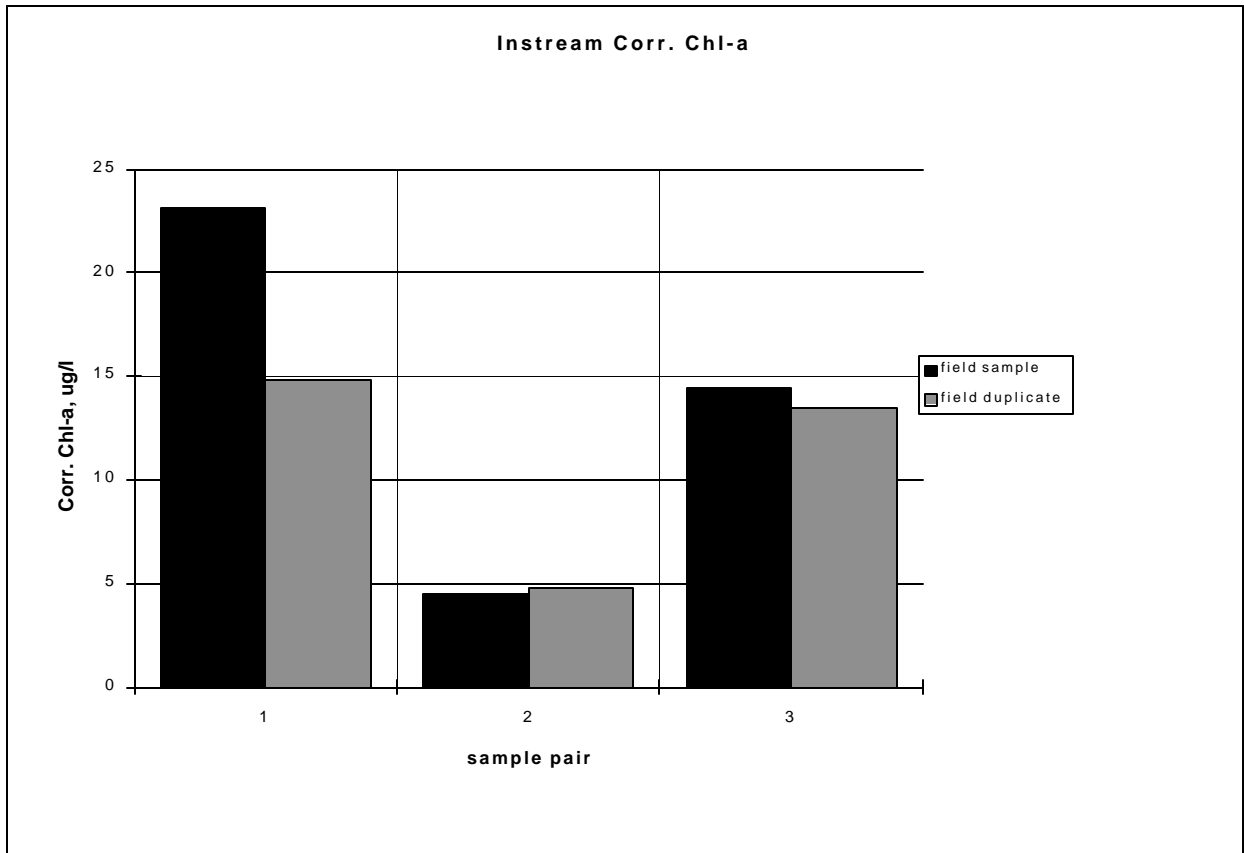
### Instream & Effluent NH3

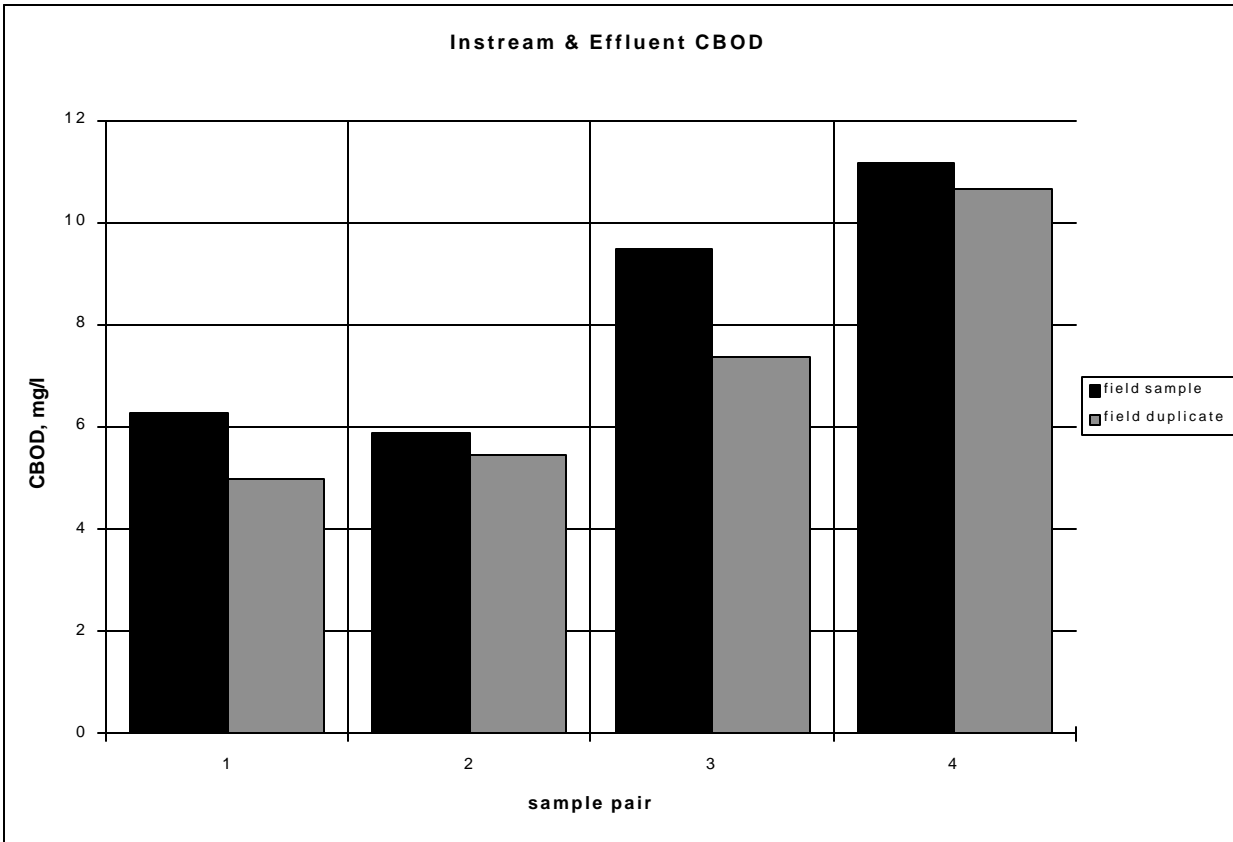
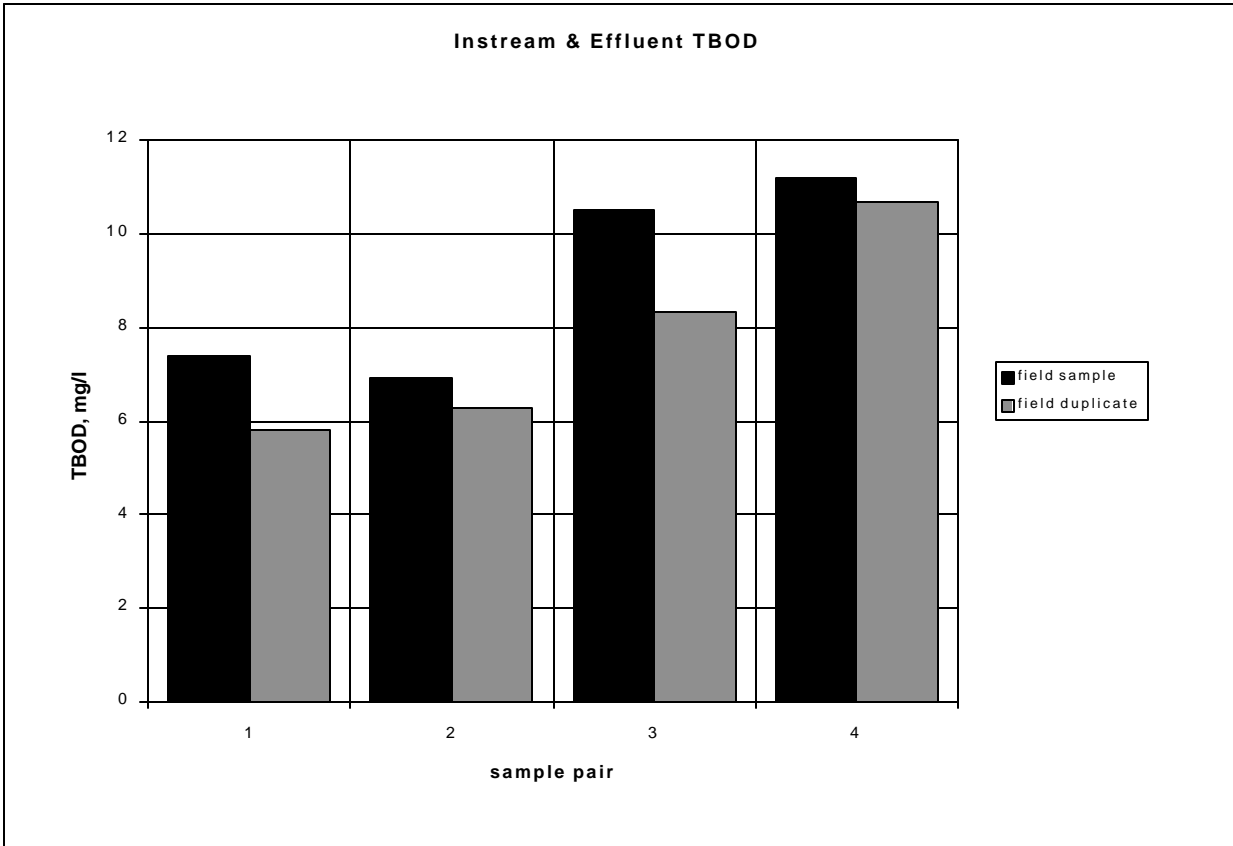


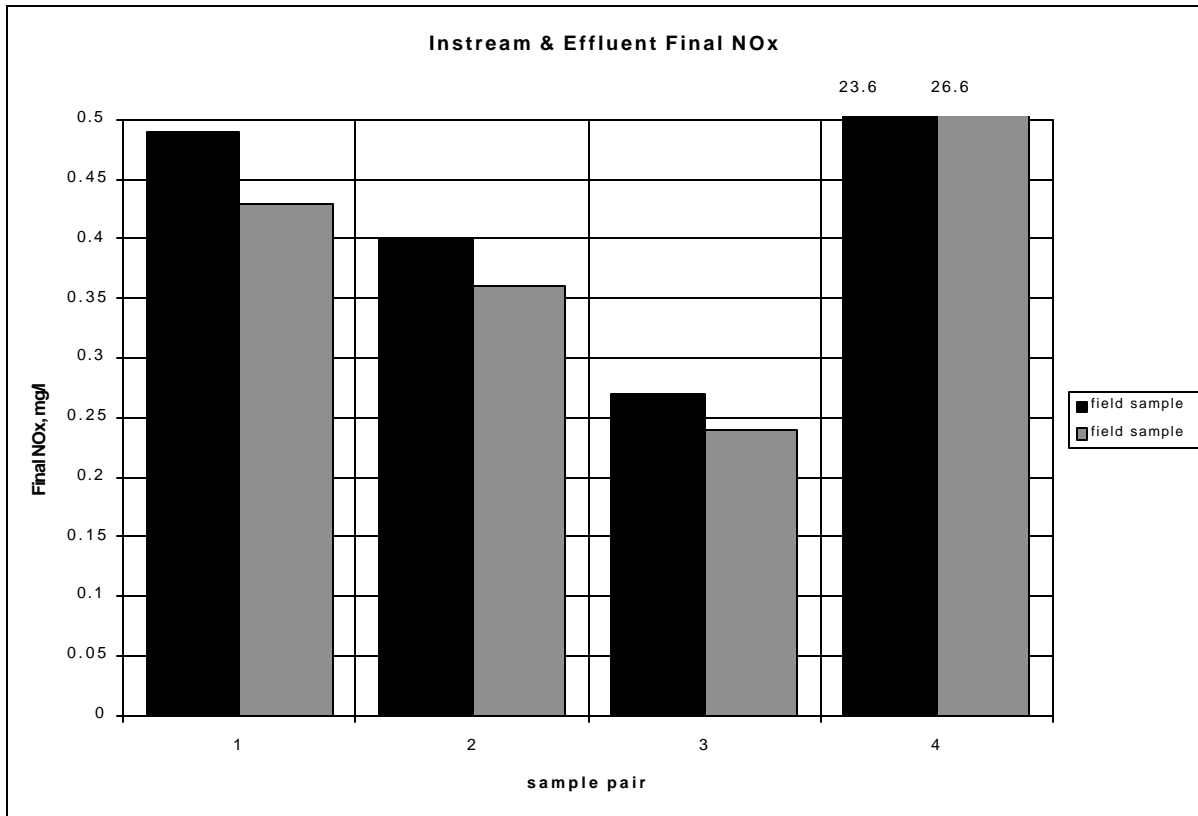
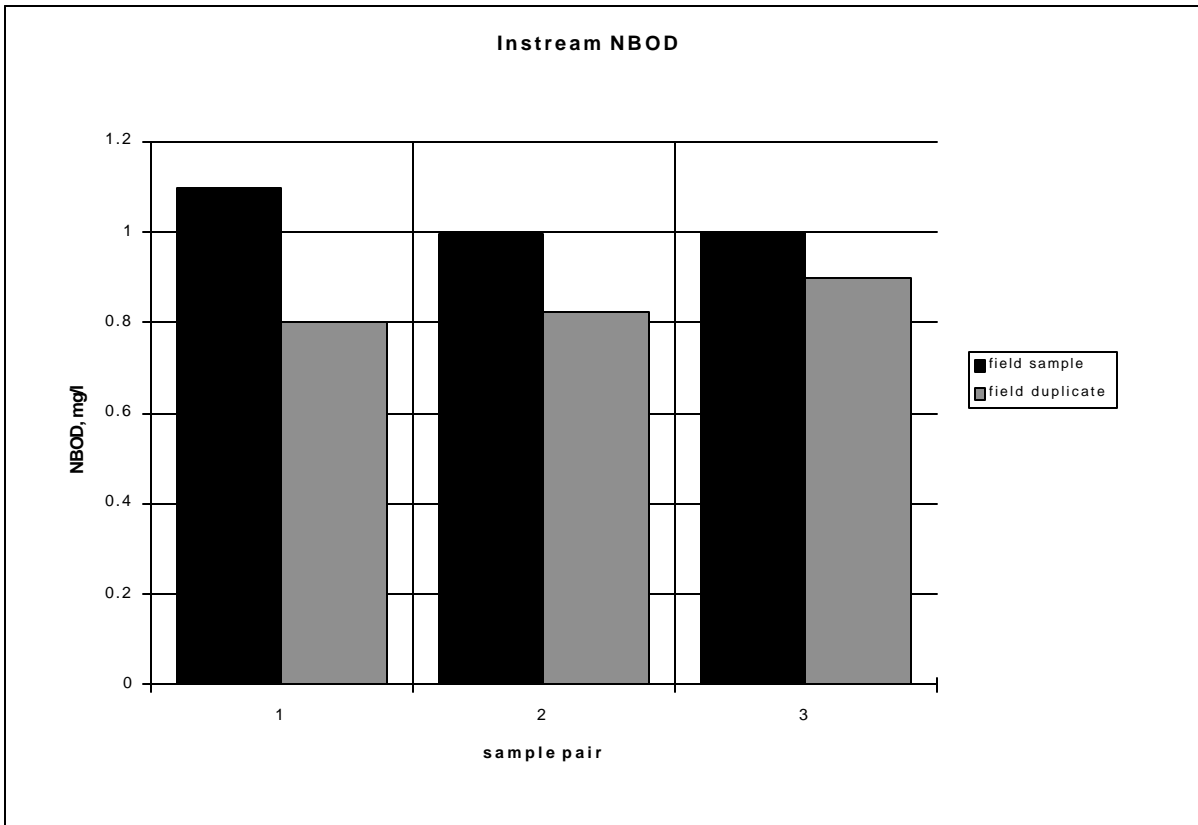




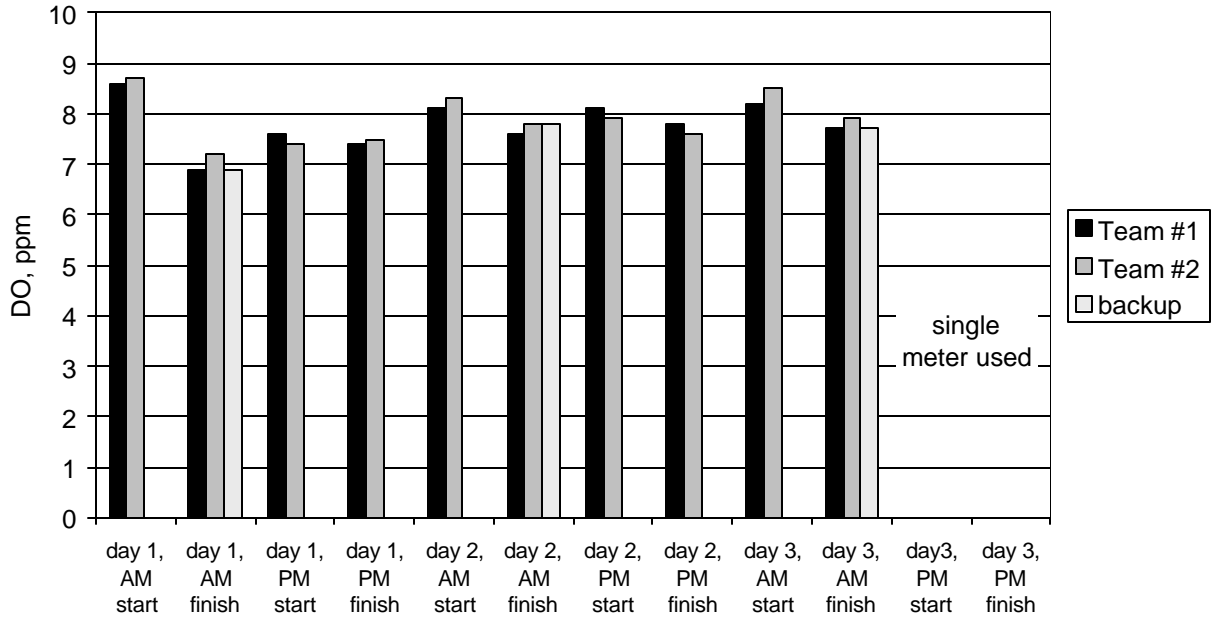








### Sabattus River, 2000 Survey DO Meter Cross Checks



BLANK