Note: ORP Probe malfunctioning

Cross-Section YSI Check

station 7 start time 1223
date 4/22/02 end time 1234

*start out East side of channel

Distance	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	10.10	549	767	9.67	86.1	7.37	-441	2.5
2	2	10.10	548	766	9.70	86.3	7.32	-442	2.6
4	3	10.10	548	766	9.69	86.2	7.30	-442.1	2.4
6	4	10.09	547	765	9.70	86.4	7.28	-441.4	2.4
8	5	10.09	547	765	9.71	86.4	7.26	-440.7	2.4
10	6	10.09	547	765	9.73	86.6	7.25	-440.2	2.3
12	7	10.08	546	764	9.76	86.8	7.25	-440.0	2.8
14	8	10.08	547	765	9.81	87.3	7.25	-439.8	2.8
15.5	9	10.08	547	765	9.92	88.8	7.25	-439.5	3.0
ISCO Readings @1319		10.1	476	665	11.0	97.6	7.2	281.7	-1.4

Cross-Section YSI Check

station 5 start time 1305
date 4/22/02 end time 1315

**Distance start on west side of channel.

Distance	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	10.5	496	693	10.04	89.7	7.32	-446.4	3.4
2	2	10.20	492	687	10.13	90.4	7.26	-445.1	3.1
4	3	10.12	496	693	10.01	89.1	7.20	-444.6	3.2
6	4	10.12	496	693	10.02	89.2	7.17	-443.5	3.2
8	5	10.12	496	693	10.03	89.4	7.15	-443.1	3.5
10	6	10.12	496	693	10.05	89.5	7.13	-442.5	3.5
12	7	10.12	496	693	9.98	88.9	7.12	-442.2	3.4
14	8	10.13	497	694	9.91	88.2	7.11	-442.0	3.2
16	9	10.11	497	694	9.92	88.4	7.10	-441.9	3.5
18	10	10.14	497	693	9.83	87.7	7.10	-442.0	8.6
ISCO Readings @1316		10.2	436	609	11.2	~~6.8~~ 100	6.8	215.2	6.1

Note: ORP probe malfunctioning

Cross-Section YSI Check

station 3
date 4/22/02
start time 1358
end time 1402

South side

	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
1	1	10.28	536	746	7.22	64.7	6.97	-449.1	0.2
3	2	10.48	535	740	7.16	64.4	6.87	-448.0	0.2
5	3	10.48	535	740	7.11	83.9	6.81	-447.1	0.80
7	4	10.48	534	740	7.10	63.8	6.76	-446.5	-0.5
9	5	10.44	534	739	7.26	65.1	6.74	-446.2	-0.2
	ISCO Readings @ 1350	10.4	483	671	6.9	61.5	6.7	299.3	-2.2

Cross-Section YSI Check

station 4
date 4/22/02
start time 1408
end time 1411

Distance

	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
1	1	10.60	465	641	10.28	93.5	6.95	-439.4	5.2
2	2	10.65	466	641	9.80	88.4	7.01	-437.9	5.5
3	3	10.77	469	641	9.39	85.5	6.97	-437.9	6.0
	ISCO Readings @ 1412	10.5	447	619	105.3	11.7	6.9	264.1	566.6

Note: ORP probe malfunctioning

Cross-Section YSI Check

station 2
date 4/22/02
start time 1442
end time 1456

Distance from East Bank	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	12.00	518	689	6.57	61.0	6.81	-442.0	11.2
2	2	12.08	527	697	6.48	60.6	6.79	-440.1	10.2
4	3	12.06	522	693	6.71	62.5	6.79	-438.8	10.5
6	4	12.06	522	694	6.67	62.0	6.79	-437.7	11.0
8	5	12.08	507	674	6.79	63.1	6.80	-437.0	8.9
10	6	12.07	506	672	6.90	64.1	6.8	-436.7	6.89
12	7	12.05	504	670	6.96	64.7	6.8	-435.6	8.1
14	8	12.05	503	670	7.34	68.6	6.83	-435.8	8.1
16	9	12.03	510	677	7.12	66.4	6.81	-435.6	8.7
18	10	12.02	512	680	7.04	65.5	6.80	-434.8	10.2
20 ~~19~~	11	12.02	511	679	7.04	65.5	6.80	-435.6	10.3
22 ~~20~~	12	12.07	510	676	7.15	66.6	6.80	-435.4	10.0
24 ~~22~~	13	12.06	510	678	7.23	67.3	6.80	-435.8	11.6
26	14	11.97	510	679	7.21	67.0	6.80	-435.8	12.4
~~28~~	~~15~~	only 3" of water - no reading							

ISCO readings @ 1425: 11.8 | 517 | 742 | 0.7 | 6.8 | 6.6 | -126 | 6.8

Cross-Section YSI Check

station 1
date 4/22/02
start time
end time

Distance	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)

Cross-Section YSI Check

station 8
date 5/24/02
start time 1115
end time 1131

left on measuring tape - begin on west bank.

left distance	point	temp. (C)	Sp. cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	16.39	496	693	8.66	86.6	7.03	222.2	3.1
2	2	16.40	495	593	6.52	85.4	7.02	220.5	3.4
4	3	16.35	495	593	8.16	80.6	7.02	217.6	5.1
6	4	16.36	495	592	8.10	82.0	7.02	213.8	4.0
8	5	16.35	495	592	8.18	81.2	7.02	209.6	4.0
10	6	16.35	494	592	8.14	82.2	7.01	206.3	2.6
12	7	16.34	494	592	8.00	82.9	7.01	201.9	2.6
14	8	16.34	494	592	8.13	82.2	7.01	192.7	3.5
16	9	16.31	494	592	8.07	82.4	7.01	179.1	3.0
18	10	16.34	494	592	8.07	82.9	7.01	175.4	2.7
20	11	16.34	494	593	8.05	82.3	7.01	172.5	2.7
22	12	16.33	494	592	8.11	82.9	7.00	168.7	3.8
24	13	16.32	494	592	8.06	81.8	7.00	159.6	2.2
26	14	16.33	494	592	8.04	82.2	7.00	148.4	3.5
28	15	16.34	494	592	8.05	82.8	7.00	142.0	2.9
30	16	16.36	494	592	8.07	82.6	7.01	141.6	2.7
32	17	16.35	494	592	8.06	82.4	7.01	136.0	2.5
34	18	16.35	494	592	8.04	82.2	7.01	133.6	2.5
36	19	16.38	495	592	7.94	81.5	7.01	135.2	3.3
38	20	16.41	495	592	7.91	81.4	7.02	139.4	4.2
ISCO Readings C1133		15.3	376	451	8.10	82.2	6.9	442.2	652.4

Cross-Section YSI Check

station 7
date 5/24/02
start time 1224
end time 1230

pnts 1-3 in shade

begin on East Bank.

Dist	point	temp. (C)	Sp. cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	17.05	563	6604	8.05	83.2	6.99	79.1	1.3
2	2	17.09	563	6603	8.04	88.9	6.98	73.7	0.7
4	3	17.11	562	6602	8.05	83.0	6.98	68.1	0.5
6	4	17.19	563	6602	8.14	84.8	6.98	64.0	1.1
8	5	17.29	565	6602	8.18	84.9	6.98	61.3	0.7
10	6	17.38	566	6602	8.28	86.6	6.98	60.0	1.0
12	7	17.40	566	6602	8.28	86.6	6.98	56.4	0.7
14	8	17.46	567	6602	8.22	86.0	6.98	55.8	0.6
15.5	9	17.46	567	6602	8.32	87.0	6.99	53.6	0.5
ISCO Readings C1233		17.5	491	573	11.0	115.6	7.1	360.8	1.0

Cross-Section YSI Check

station 6
date 3/24/02
start time 1315
end time 1325

Start From East Bank.

distance	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	18.25	573	658	7.81	81.1	7.01	23.5	-2.5
2	2	18.28	574	658	7.93	84.7	7.01	32.7	-2.3
4	3	18.30	574	658	7.82	85.0	7.01	38.3	-0.9
6	4	18.37	575	658	7.83	83.5	7.02	46.9	-2.6
8	5	18.38	575	658	7.84	83.9	7.02	49.9	-3.0
10	6	18.38	575	658	7.92	83.7	7.02	51.9	-2.8
12	7	18.39	575	658	7.93	83.4	7.02	53.4	-2.4
14	8	18.36	574	657	7.90	84.2	7.02	53.2	-2.5
16	9	18.33	574	658	7.91	84.3	7.02	52.3	-2.4
18	10	18.29	573	658	7.70	82.8	7.02	48.8	-3.1
20	11	18.33	574	657	7.88	84.0	7.02	46.6	-2.8
22	12	18.30	573	658	7.70	82.0	7.02	38.5	0.7
~~24~~	~~13~~ 10	5/24/02							
23.5	13	18.32	~~574~~ 574	658	7.61	81.8	7.02	37.3	1.8
ISCO Readings @ 1327		18.5	598	684	8.3	88.0	7.0	287.2	-0.3

Cross-Section YSI Check

station 5
date 5/24/02
start time 1358
end time 1407

Start on west Bank.

distance	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	20.93	560	601	8.69	98.9	7.09	88.0	-0.2
2	2	21.54	552	592	8.62	97.7	7.05	67.4	-1.6
4	3	22.23	562	594	8.52	98.2	7.00	57.7	-0.3
6	4	22.40	565	594	8.61	99.4	6.98	55.1	1.4
8	5	22.49	565	593	8.56	99.0	6.99	54.5	1.3
10	6	22.49	565	593	8.54	98.8	6.99	53.8	-0.3
12	7	22.54	565	593	8.55	99.0	6.99	54.8	-0.1
14	8	22.55	565	593	8.52	98.8	6.99	56.0	-1.0
16	9	22.63	567	594	8.51	98.7	6.98	59.4	-1.9
18	10	22.63	567	594	8.50	98.6	6.98	62.0	-1.9
ISCO Readings @ 1346		22.4	515	542	8.8	101.0	6.6	209.4	216.5

Cross-Section YSI Check

station 4
date 5/25/02

start time 1443
end time 14

distance point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0 1	23.01	511	531	10.91	127.5	7.03	66.7	-1.7
1 2	22.93	509	530	10.25	119.5	7.02	71.2	-1.2
2 3	22.88	509	531	9.43	110.3	7.02	68.1	-1.5
ISCO Readings @1450	22.8	4430	462.0	11.2	130.1	6.8	265.8	960

Cross-Section YSI Check

station 3
date 5/24/02

start time 14 34
end time 1439

start on S. East Bank

distance point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0 1	19.56	558	623	8.23	89.9	6.75	0.5	-2.9
2 2	19.54	558	623	8.50	94.5	6.75	-2.7	-3.5
4 3	19.60	558	622	8.57	93.2	6.75	-3.6	~~-3.6~~ -3.7 5/24/02
~~6 4~~	~~-20~~	5/24/02						
6 4	19.62	558	622	8.57	93.7	6.74	-2.8	-3.5
8 5	19.62	559	623	8.47	92.6	6.75	-3.6	-4.0
8.5 6	19.62	558	622	8.42	92.1	6.74	-2.0	-2.4
ISCO Readings @ 1428	19.3	486	545	9.10	98.5	6.7	300.9	-3.3

NR = no reading.

Cross-Section YSI Check

station 2
date 5/24/02
start time 1552
end time 1606

Begin on East side of Channel.

distance point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0 1	18.31	477	547	7.79	84.9	6.96	9.4	1.2
2 2	18.53	474	543	7.76	82.5	6.95	15.2	1.3
4 3	18.05	473	546	7.91	83.7	6.94	19.6	0.0
6 4	18.20	469	540	7.92	83.6	6.93	28.6	-1.9
8 5	19.37	491	548	7.62	82.8	6.93	34.9	-2.5
10 6	20.25	494	545	7.84	86.6	6.95	42.7	-2.7
12 7	21.65	513	547	7.78	88.8	6.97	47.1	2.8
14 8	22.08	499	542	7.94	88.9	7.00	51.0	-1.4
16 9	22.24	515	545	8.10	93.0	7.01	58.8	-2.5
18 10	23.04	526	546	8.18	95.2	7.02	63.5	-3.1
20 11	23.30	530	547	8.06	94.7	7.03	66.4	-1.9
22 12	23.30	530	547	7.98	93.8	7.04	68.5	-1.7
24 13	23.34	530	547	7.87	92.5	7.04	62.8	1.1
26 14	22.98	529	549	7.81	91.6	7.05	65.0	-1.7
28 15	23.23	530	548	8.00	94.0	7.03	29.2	-2.1
29.5 - water ends - phragmites - not deep enough								
7 16	22.30	NR	NR	NR	NR	NR	NR	NR
ISCO Readings @ 1544	16.9	462	547	8.10	83.5	6.6	-250.0	0.0

Cross-Section YSI Check

station 1
date 5/24/02
start time 1529
end time 1535

Start From South side of Culvert.

Distance point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0 1	19.07	498	561	7.25	79.1	7.03	33.8	4.3
2 2	19.11	499	562	7.25	78.4	7.03	36.1	5.2
4 3	19.14	499	562	7.28	78.8	7.03	38.0	4.0
6 4	19.5	499	562	7.30	78.9	7.04	38.4	4.2
8 5	19.16	499	562	7.30	79.1	7.03	38.2	3.8
10 6	19.16	499	562	7.28	78.8	7.03	38.8	3.9
12 7	19.16	500	562	7.25	78.5	7.04	39.5	4.7
14 8	19.16	500	563	7.24	78.4	7.04	40.0	3.4
ISCO Readings @ 1505	18.8	490	556	7.10	76.10	7.0	181.7	-2.5