Appendix 2

Maintenance of SW Stations

Cross-Section YSI Check

station 7
date 11/2/01

start time 1135
end time 1144
initials [illegible]

distance	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	12.75	519	677	69.1	7.31	6.99	170.7	10.5
2	2	12.72	516	675	6.96	65.8	6.92	169.6	8.7
4	3	12.74	516	675	6.84	64.7	6.89	168.6	8.5
6	4	12.76	516	674	6.80	64.3	6.88	167.6	8.5
8	5	12.77	517	674	6.78	64.2	6.87	166.9	8.8
10	6	12.78	517	674	6.76	64.1	6.87	166.3	8.5
12	7	12.79	517	675	6.78	64.2	6.87	165.8	8.6
14	8	12.80	515	671	6.78	64.3	6.87	165.0	10.6
16	9	12.80	518	676	6.76	64.1	6.87	164.6	11.0
ISCO Reading at 1249		12.8	703.0	539.0	5.90	56.1	7.0	400.8	5.4

Cross-Section YSI Check

station 8
date 11/2/01

start time 1233
end time 1246
initials JL

distance	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	11.58	492	651	8.97	80.2	7.19	167	2.0
2	2	11.44	490	661	8.52	79.1	7.03	166.4	15.8
4	3	11.48	487	656	8.25	75.3	6.98	166.3	6.0
6	4	11.64	486	654	8.58	78.4	6.98	165.7	10.7
8	5	11.48	489	659	8.33	76.5	6.95	166.4	8.6
10	6	11.45	489	660	8.20	74.5	6.96	165.6	6.6
12	7	11.38	489	661	7.93	73.0	6.93	166.1	7.0
14	8	11.43	486	657	7.90	72.0	6.93	165.7	6.1
16	9	11.39	486	657	7.77	71.4	6.92	165.7	6.2
18	10	11.44	487	657	7.67	70.5	6.91	165.4	6.0
20	11	11.50	487	657	7.70	70.6	6.91	165.3	5.9
22	12	11.40	486	657	7.65	70.2	6.90	165.2	5.9
24	13	11.42	487	657	7.62	70.0	6.91	164.8	6.3
25	14	11.48	484	653	7.62	70.0	6.92	164.2	5.9
26	15	11.47	483	652	7.62	70.0	6.92	164.3	7.8
28	16	11.55	489	658	7.59	69.9	6.92	164.0	15.4
30	17	11.64	494	662	7.56	69.5	6.93	163.6	16.0
32	18	11.72	494	662	7.56	69.9	6.93	163.4	11.4
ISCO Reading at 1248		11.4	658	486	7.70	70.8	7.0	472.7	120.4

Cross-Section YSI Check

station 6
date 11/2/01

start time 1349
end time 1356
initial SL

Dist	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	13.22	490	632	8.13	78.5	7.06	173.6	33.1
2	2	13.23	489	632	7.67	73.7	7.02	173.1	25.0
4	3	13.17	489	631	7.50	71.8	6.99	172.6	38.6
6	4	13.16	489	632	7.41	70.7	6.96	171.9	25.6
8	5	13.16	489	632	7.36	70.3	6.96	171.7	13.1
10	6	13.16	489	632	7.36	70.2	6.96	171.5	9.4
12	7	13.18	489	632	7.34	70.1	6.95	171.6	8.0
14	8	13.18	489	632	7.35	70.2	6.95	171.4	7.7
16	9	13.18	489	632	7.34	70.1	6.95	171.4	7.6
18	10	13.18	489	632	7.32	69.9	6.95	171.4	7.6
20	11	13.17	489	632	7.30	69.7	6.94	171.2	9.0
21.3	12	13.17	489	632	7.27	69.3	6.94	170.6	11.5
ISCO readings		13.2	647	501	6.60	57.6	6.9	433.6	12.9

Cross-Section YSI Check

station 5
date 11/2/01

start time 1424
end time 1429
initial SL

	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	16.20	569	685	13.25	134.7	7.15	185.6	43.1
2	2	16.08	563	677	13.32	134.0	7.18	183.9	24.0
4	3	15.85	548	663	13.33	134.4	7.20	183.2	17.4
6	4	15.46	541	666	13.11	131.8	7.18	183.9	16.6
8	5	15.47	554	678	12.92	129.9	7.17	184.0	22.4
10	6	15.78	564	684	12.97	130.9	7.16	184.0	30.0
12	7	15.84	565	684	13.06	131.9	7.16	184.0	26.5
14	8	15.86	566	685	13.10	132.6	7.16	183.9	22.2
16	9	15.91	566	684	13.15	133.1	7.17	183.7	29.1
18	10	15.90	566	684	13.11	132.8	7.17	183.8	46.2
ISCO readings 1431		15.9	702	580	11.5	116.9	7.1	4155	14.0

Cross-Section YSI Check

station 4
date 11/14

start time 0941
end time 0942

initials JL

dist	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
1	1	4.63	649	1061	12.04	92.0	6.98	126.8	39.1
2	2	4.64	648	1059	11.00	86.5	7.03	122.9	35.1
		4.57	345	571	8.40	65.0	7.1	423.7	65.7

ISCO.

3/21/13

Cross-Section YSI Check

station 3
date 11/14

start time 0953
end time 0956

dist	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
2	1	5.54	354	563	12.10	98.5	7.07	102.6	77.83
4	2	5.50	349	557	10.24	81.4	6.90	86.0	16.2
6	3	5.43	350	558	10.35	82.1	6.83	80.4	10.0
8	4	5.42	350	559	10.43	82.7	6.79	78.1	8.8
10	5	5.43	351	561	10.69	84.6	6.76	74.6	8.4
11									
		5.4				57.3			
ISCO		~~6.6~~	413	~~1.2~~ 196	7.2	~~6.6~~	6.6	252.5	5.2

ISCO times 1168

Cross-Section YSI Check

station 2
date 11/14
start time 1058
end time 1114
initials JK

dist	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
2	1	6.56	676	1046	11.32	92.7	6.88	126.0	177.7
4	2	6.36	676	1049	11.38	92.6	6.89	125.7	81.3
6	3	6.39	676	1049	11.53	93.7	6.89	126.7	57.5
8	4	6.23	675	1051	11.30	91.6	6.90	129.1	55.9
10	5	6.19	674	1051	11.23	90.9	6.96	130.6	55.9
12	6	6.14	672	1051	11.19	90.4	6.90	132.0	56.3
14	7	6.07	671	1051	11.19	90.3	6.91	133.5	54.4
16	8	6.08	671	1051	11.61	93.8	6.96	134.8	54.5
18	9	6.11	672	1051	11.36	92.4	6.90	135.8	53.4
20	10	6.82	676	1040	11.55	95.1	6.90	136.7	53.1
22	11	6.75	674	1035	11.18	92.0	6.92	137.6	63.3
24	12	6.80	676	1036	11.24	94.5	6.91	138.6	56.7
26	13	6.97	678	1035	11.64	96.1	6.92	139.4	75.6
	isco	6.3	817	1261	7.60	62	6.9	-212	42.3

↑ ~~1115~~ (1215)

Cross-Section YSI Check

station 1
date 11/14
start time 1215
end time 1223
initials JL

dist	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	4.37	321	530	11.48	88.5	7.03	96.3	3.4
2	2	4.39	321	530	11.30	87.3	6.99	99.9	3.4
4	3	4.42	321	530	11.23	86.8	6.96	102.1	3.7
6	4	4.43	321	530	11.15	86.2	6.96	104.5	4.2
	Isco	4.3	278	460	7.30	50.3	6.9	322.3	0.8

@ 1314

Cross-Section YSI Check

station 6
date 12/3/01

start time 0906
end time 0916

point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
1	6.06	536	839	10.30	83.1	6.94	185.3	56.2
2	6.05	528	828	9.97	78.8	6.93	177.4	72.9
3	6.03	528	829	9.47	76.3	6.93	174.9	78.2
4	6.01	528	828	9.36	75.2	~~6.93~~	172.8	74.2
5	6.01	528	828	9.33	75.0	6.94	172.6	43.2
6	5.98	527	828	9.34	75.1	6.95	172.9	42.0
7	5.96	527	828	9.43	75.8	6.96	173.0	22.2
8	5.97	527	828	9.40	75.7	6.97	172.9	17.0
9	5.96	527	829	9.36	75.3	6.98	172.8	42.8
10	5.96	526	827	9.31	75.0	6.97	170.6	39.8
11	5.99	527	827	9.14	73.6	6.96	161.1	40.6
~~12~~	/0 12/3/01							

initial pnt 2.0ft From bank. pnts in 2ft increments

last pnt 1.2 increment

Total width 232

ISCO Readings at 0900: 6.1 | 411.0 | ~~8.80~~ 644.0 | 8.8 | 70.70 | 7.1 | 397.2 | 7.55

Cross-Section YSI Check

station 8
date 12/3/01

start time 0953
end time 1010

distance From Bank point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
20 1	9.11	537	771	7.28	63.3	6.99	167.2	42.4
40 2	9.17	539	772	6.33	55.5	6.95	167.3	48.7
60 3	9.24	540	772	6.41	55.4	6.95	167.1	20.8
80 4	9.25	540	773	6.78	58.8	6.95	166.8	15.5
100 5	9.23	540	773	6.91	60.1	6.95	166.7	6.4
120 6	9.20	540	773	6.98	60.8	6.95	166.7	5.2
140 7	9.19	539	773	6.99	60.9	6.94	166.5	5.4
160 8	9.18	539	773	7.01	61.1	6.94	166.6	10.3
180 9	9.18	539	773	7.01	61.1	6.93	166.5	6.0
200 10	9.18	539	772	6.99	60.9	6.93	166.5	5.2
220 11	9.14	538	772	6.96	60.6	6.93	166.4	7.7
24 12	9.14	538	772	6.97	60.7	6.92	166.4	5.6
26 13	9.14	538	772	6.97	60.6	6.93	166.5	18.6
28 14	9.14	539	772	6.99	60.8	6.93	167.2	16.4
30 15	9.14	538	772	6.99	60.7	6.93	167.0	~~28.8~~
32 16	9.12	537	771	6.98	60.6	6.94	166.2	19.2
34 17	9.12	537	771	7.03	61.0	6.93	166.7	20.2
36 18	8.86	536	774	7.00	60.5	6.94	166.4	55.9

waters edge 1.5 ft From Pnt 18.

ISCO Readings at 0945: 9.1 | ~~719.0~~ 501.0 | ~~6.64~~ 719 | 6.60 | ~~6.80~~ 57.20 | 6.8 | 470.3 | 291.4?

Checked Turb at 1011 - 1.8

CLICK TO CONTINUE

Cross-Section YSI Check

station 2
date 12/3/01
start time 1421
end time 1432

Distance From Bank	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
2.0	1	9.45	644	916	7.31	64.1	6.75	152.1	25.4
4.0	2	9.34	642	916	7.37	64.4	6.75	150.9	48.1
6.0	3	9.31	640	914	7.31	63.8	6.75	151.4	21.1
8.0	4	9.30	639	912	7.26	63.4	6.75	152.1	25.0
10.0	5	9.29	638	911	7.26	63.4	6.75	152.7	27.7
12.0	6	9.28	636	909	7.28	63.5	6.75	153.2	21.6
14.0	7	9.26	635	908	7.38	63.5	6.75	153.8	34.2
16.0	8	9.23	633	906	7.37	64.2	6.75	154.3	33.7
18.0	9	9.22	633	906	7.26	63.3	6.75	154.7	49.6
20.0	10	9.21	633	906	7.26	63.2	6.75	154.8	54.1
22.0	11	9.19	629	902	7.49	65.3	6.75	155.2	73.9
~~24.0~~	~~12~~		1D 12/3/01						
~~26.0~~	~~13~~		1D 12/3/01						
Isco Readings at 1407		8.9	579	836	6.70	57.90	6.8	-213	39.8

note 5 ft from to ~~other~~ opposite Bank.

Cross-Section YSI Check

station 1
date 12/3/01
start time 1455
end time 1459

Distance From Culvert Wall	point	temp. (C)	cond. (uS/cm)	Sp. Cond (uS/cm)	DO (mg/L)	DO%	pH	ORP (mV)	Turb. (NTU)
0	1	6.34	370	576	9.41	76.5	7.01	153.9	2.5
2	2	6.36	370	576	9.26	75.2	6.97	151.4	2.5
4	3	6.36	370	575	9.18	74.6	6.94	150.0	3.0
6.6	4	6.36	369	572	9.15	74.3	6.93	149.0	2.4
6.6	5	6.36	370	575	9.09	73.8	6.91	144.2	19.4
Isco Readings at 1440		6.3	301.0	468	8.50	68.50	6.5	323.8	1.3