Appendix I

Environmental Monitoring Results

Table I-1
GW Partners
Lower Fox River - OU1
07G007
Surface Water TSS Comparison with Field Turbidity Readings (Sorted by Sample ID)

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
3/26/2007	15:10	3.0	4.2	3.4	0.4	Upstream (912)	1-RA-07-000A-SW-01-912
3/26/2007	14:50	1.3	ND	2.0	0.7	Downstream Dredge 1 (996)	1-RA-07-000A-SW-02-996
3/26/2007	14:20	2.5	ND	3.9	1.4	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-03-905
3/28/2007	14:30	1.8	6.3	7.3	5.5	Upstream (912)	1-RA-07-000A-SW-04-912
3/28/2007	14:10	3.9	4.1	26.0	22.1	Downstream Dredge 1 (996)	1-RA-07-000A-SW-05-996
3/28/2007	13:45	3.8	4.2	9.5	5.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-06-905
3/30/2007	8:55	4.7	3.3	8.0	3.3	Upstream (912)	1-RA-07-000A-SW-07-912
3/30/2007	8:55	4.7	3.3	7.9	3.2	Upstream (912)	1-RA-07-000A-SW-07-912-DUP
3/30/2007	8:50	2.5	3.3	6.6	4.1	Downstream Dredge 1 (996)	1-RA-07-000A-SW-08-996
3/30/2007	8:40	3.3	2.7	6.3	3.0	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-09-905
3/30/2007	8:40	3.3	2.7	0.5	-2.8	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-10-905-RINSE
4/2/2007	10:10	14.6	13.7	25.0	10.4	Upstream (912)	1-RA-07-000A-SW-11-912
4/2/2007	9:50	15.4	14.6	26.0	10.6	Downstream Dredge 1 (996)	1-RA-07-000A-SW-12-996
4/2/2007	9:17	18.8	16.9	30.0	11.2	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-13-905
4/6/2007	9:30	7.5	5.1	13.0	5.5	Upstream (912)	I-RA-07-000A-SW-14-912
4/6/2007	9:10	7.7	5.9	13.0	5.3	Downstream Dredge 1 (996)	I-RA-07-000A-SW-15-996
4/6/2007	8:35	8.4	5.2	13.0	4.6	Downstream Dredge 2 (905)	I-RA-07-00D1-SW-16-905
4/9/2007	13:00	4.1	0.3	13.0	8.9	Upstream (912)	1-RA-07-000A-SW-17-912
4/9/2007	12:50	4.4	2.9	14.0	9.6	Downstream Dredge 1 (996)	1-RA-07-000A-SW-18-996
4/9/2007	12:30	4.1	4.4	13.0	8.9	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-19-905
4/12/2007	9:50	17.1	11.2	36.0	18.9	Upstream (912)	1-RA-07-000A-SW-20-912
4/12/2007	9:50	17.1	11.2	35.0	17.9	Upstream (912)	1-RA-07-000A-SW-20-912-DUP
4/12/2007	9:40	18.0	13.7	34.0	16.0	Downstream Dredge 1 (996)	1-RA-07-000A-SW-21-996
4/12/2007	9:20	21.4	22.1	45.0	23.6	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-22-905
4/12/2007	9:20	21.4	22.1	0.9	-20.5	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-23-905-RINSE
4/13/2007	9:30	7.1	2.9	18.0	10.9	Upstream (912)	1-RA-07-000A-SW-24-912
4/13/2007	9:20	7.2	3.9	18.0	10.8	Downstream Dredge 1 (996)	1-RA-07-000A-SW-25-996

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
4/13/2007	9:00	9.3	8.0	22.0	12.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-26-905
4/16/2007	10:25	7.2	0.7	13.0	5.8	Upstream (912)	1-RA-07-000A-SW-27-912
4/16/2007	10:15	5.5	2.4	13.0	7.5	Downstream Dredge 1 (996)	1-RA-07-000A-SW-28-996
4/16/2007	10:00	5.7	2.9	14.0	8.3	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-29-905
4/18/2007	10:45	20.5	13.4	33.0	12.5	Upstream (912)	1-RA-07-000A-SW-30-912
4/18/2007	10:45	20.5	13.4	32.0	11.5	Upstream (912)	1-RA-07-000A-SW-30-912-DUP
4/18/2007	10:35	7.2	19.5	15.0	7.8	Downstream Dredge 1 (996)	1-RA-07-000A-SW-31-996
4/18/2007	10:10	16.3	4.8	34.0	17.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-32-905
4/18/2007	10:10	16.3	4.8	0.3	-16.0	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-33-905-RINSE
4/20/2007	10:50	4.9	1.0	9.5	4.6	Upstream (912)	1-RA-07-000A-SW-34-912
4/20/2007	10:30	4.1	0.5	8.0	3.9	Downstream Dredge 1 (996)	1-RA-07-000A-SW-35-996
4/20/2007	10:00	6.5	3.2	15.0	8.5	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-36-905
4/23/2007	10:45	18.4	11.4	26.0	7.6	Upstream (912)	1-RA-07-000A-SW-37-912
4/23/2007	10:15	23.5	32.0	37.0	13.5	Downstream Dredge 1 (996)	1-RA-07-000A-SW-38-996
4/23/2007	9:50	9.2	5.3	21.0	11.8	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-39-905
4/25/2007	10:05	4.2	2.9	15.0	10.8	Upstream (912)	1-RA-07-000A-SW-40-912
4/25/2007	10:05	4.2	2.9	14.0	9.8	Upstream (912)	1-RA-07-000A-SW-40-912-DUP
4/25/2007	9:50	3.6	4.0	14.0	10.4	Downstream Dredge 1 (996)	1-RA-07-000A-SW-41-996
4/25/2007	9:40	6.7	5.8	17.0	10.3	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-42-905
4/25/2007	9:40	6.8	5.8	0.3	-6.5	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-43-905-RINSE
4/27/2007	9:25	2.0	4.3	11.0	9.0	Upstream (912)	1-RA-07-000A-SW-44-912
4/27/2007	9:10	3.5	2.9	7.3	3.8	Downstream Dredge 1 (996)	1-RA-07-000A-SW-45-996
4/27/2007	8:50	9.3	15.1	23.0	13.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-46-905
4/30/2007	9:45	7.6	8.3	16.0	8.4	Upstream (912)	1-RA-07-000A-SW-47-912
4/30/2007	10:00	6.0	7.5	14.0	8.0	Downstream Dredge 1 (996)	1-RA-07-000A-SW-48-996
4/30/2007	10:10	6.9	11.8	16.0	9.1	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-49-905
5/2/2007	9:30	4.7	3.5	14.0	9.3	Upstream (912)	1-RA-07-000A-SW-50-912
5/2/2007	9:30	4.7	3.5	9.2	4.5	Upstream (912)	1-RA-07-000A-SW-50-912-DUP
5/2/2007	9:10	9.0	14.0	9.6	0.6	Downstream Dredge 1 (996)	1-RA-07-000A-SW-51-996
5/2/2007	8:45	9.7	11.1	18.0	8.3	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-52-905
5/2/2007	8:45	9.7	11.1	0.3	-9.4	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-53-905-RINSE
5/7/2007	10:47	8.9	8.4	12.0	3.1	Upstream (912)	1-RA-07-000A-SW-54-912
5/7/2007	10:35	11.9	11.0	14.0	2.1	Downstream Dredge 1 (996)	1-RA-07-000A-SW-55-996
5/7/2007	10:25	9.0	8.8	12.0	3.0	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-56-905

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
5/9/2007	11:40	10.7	3.8	18.0	7.3	Upstream (912)	1-RA-07-000A-SW-57-912
5/9/2007	11:15	54.9	4.4	9.3	-45.6	Downstream Dredge 1 (996)	1-RA-07-000A-SW-58-996
5/9/2007	9:30	5.3	5.7	8.4	3.1	Downstream Dredge 2 (905)	1-RA-07-POG1-SW-59-905
5/14/2007	9:35	4.9	3.4	7.0	2.1	Upstream (912)	1-RA-07-CD2S-SW-60-912
5/14/2007	9:35	4.9	3.4	6.7	1.8	Upstream (912)	1-RA-07-CD2S-SW-60-912-DUP
5/14/2007	9:25	6.0	4.9	7.2	1.2	Downstream Dredge 1 (996)	1-RA-07-CD2S-SW-61-996
5/14/2007	9:15	3.7	4.2	5.0	1.3	Downstream Dredge 2 (905)	1-RA-07-POG1-SW-62-905
5/14/2007	9:15	3.7	4.2	0.3	-3.4	Downstream Dredge 2 (905)	1-RA-07-POG1-SW-63-905-RINSE
5/17/2007	10:24	9.6	7.5	12.0	2.4	Upstream (912)	1-RA-07-CD2S-SW-64-912
5/17/2007	10:12	9.1	9.8	11.0	1.9	Downstream Dredge 1 (996)	1-RA-07-CD2S-SW-65-996
5/17/2007	9:53	7.8	8.4	10.0	2.2	Downstream Dredge 2 (905)	1-RA-07-POG1-SW-66-905
5/18/2007	10:10	4.9	5.4	7.9	3.0	Upstream (912)	1-RA-07-CD2S-SW-67-912
5/18/2007	10:00	6.6	3.2	6.0	-0.6	Downstream Dredge 1 (996)	1-RA-07-CD2S-SW-68-996
5/18/2007	9:40	3.2	2.3	3.9	0.7	Downstream Dredge 2 (905)	1-RA-07-POG1-SW-69-905
5/21/2007	10:35	6.5	4.1	7.0	0.5	Upstream (912)	1-RA-07-CD2S-SW-70-912
5/21/2007	10:35	6.5	4.1	8.0	5.3	Upstream (912)	1-RA-07-CD2S-SW-70-912-DUP
5/21/2007	10:25	9.7	4.4	5.0	-4.7	Downstream Dredge 1 (996)	1-RA-07-CD2S-SW-71-996
5/21/2007	9:55	2.7	2.7	3.2	0.5	Downstream Dredge 2 (905)	1-RA-07-POG1-SW-72-905
5/21/2007	9:55	2.7	2.7	0.3	-2.4	Downstream Dredge 2 (905)	1-RA-07-POG1-SW-73-905-RINSE
5/23/2007	10:16	14.5	11.3	14.0	-0.5	Downstream Dredge 1 (996)	1-RA-07-CD2S-SW-74-996
5/23/2007	10:03	4.5	4.4	5.0	0.5	Downstream Dredge 2 (905)	1-RA-07-POG3N-SW-75-905
5/23/2007	10:22	19.1	12.2	22.0	2.9	Upstream (912)	1-RA-07-CD2S-SW-76-912
5/29/2007	10:45	21.2	14.2	27.0	5.8	Upstream (912)	1-RA-07-CD2S-SW-77-912
5/29/2007	10:40	16.2	20.2	23.0	6.8	Downstream Dredge 1 (996)	1-RA-07-CD2S-SW-78-996
5/29/2007	10:20	5.3	3.1	8.8	3.5	Downstream Dredge 2 (905)	1-RA-07-POG3N-SW-79-905
5/31/2007	10:00	19.1	15.2	25.0	5.9	Upstream (912)	1-RA-07-CD2S-SW-80-912
5/31/2007	10:00	19.1	15.2	25.0	19.7	Upstream (912)	1-RA-07-CD2S-SW-80-912-DUP
5/31/2007	9:50	13.7	43.3	17.0	3.3	Downstream Dredge 1 (996)	1-RA-07-CD2S-SW-81-996
5/31/2007	9:30	5.3	3.4	8.7	3.4	Downstream Dredge 2 (905)	1-RA-07-POG3N-SW-82-905
5/31/2007	9:30	5.3	3.4	0.3	-5.0	Downstream Dredge 2 (905)	1-RA-07-POG3N-SW-83-905-RINSE
6/4/2007	10:15	14.0	23.3	20.0	6.0	Upstream (912)	1-RA-07-POG3-SW-84-912
6/4/2007	10:50	14.9	11.4	27.0	12.1	Downstream Dredge 1 (996)	1-RA-07-00D1-SW-85-996
6/4/2007	10:30	27.7	28.0	29.0	1.3	Downstream Dredge 2 (905)	1-RA-07-POG3-SW-86-905
6/6/2007	12:00	10.3	10.2	18.0	7.7	Upstream (912)	1-RA-07-POG3-SW-87-912

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
6/6/2007	11:30	28.8	18.3	38.0	9.2	Downstream Dredge 1 (996)	1-RA-07-00D1-SW-88-996
6/6/2007	11:45	17.0	13.6	23.0	6.0	Downstream Dredge 2 (905)	1-RA-07-POG3-SW-89-905
6/8/2007	9:30	20.8	16.0	20.0	-0.8	Upstream (912)	1-RA-07-POG3-SW-90-912
6/8/2007	9:30	20.8	16.0	19.0	-11.7	Upstream (912)	1-RA-07-POG3-SW-90-912-DUP
6/8/2007	9:00	34.3	14.9	30.0	-4.3	Downstream Dredge 1 (996)	1-RA-07-OOD1-SW-91-996
6/8/2007	9:10	30.7	17.3	25.0	-5.7	Downstream Dredge 2 (905)	1-RA-07-POG3-SW-92-905
6/8/2007	9:10	30.7	17.3	0.3	-30.4	Downstream Dredge 2 (905)	1-RA-07-POG3-SW-93-905-RINSE
6/11/2007	10:00	12.2	8.2	13.0	0.8	Upstream (912)	1-RA-07-POG2-SW-94-912
6/11/2007	10:10	14.8	14.5	17.0	2.2	Downstream Dredge 1 (996)	1-RA-07-00D1-SW-95-996
6/11/2007	10:05	11.3	8.8	12.0	0.7	Downstream Dredge 2 (905)	1-RA-07-POG2-SW-96-905
6/13/2007	10:55	15.8	18.9	18.0	2.2	Upstream (912)	1-RA-07-POG3-SW-97-912
6/13/2007	10:20	19.1	26.7	21.0	1.9	Downstream Dredge 1 (996)	1-RA-07-00D1-SW-98-996
6/13/2007	10:40	11.9	11.5	15.0	3.1	Downstream Dredge 2 (905)	1-RA-07-POG3-SW-99-905
6/18/2007	9:30	32.9	25.2	25.0	-7.9	Upstream (912)	1-RA-07-POG3-SW-100-912
6/18/2007	9:30	32.9	25.2	24.0	-8.9	Upstream (912)	1-RA-07-POG3-SW-100-912 DUP
6/18/2007	9:40	48.7	44.1	45.0	-3.7	Downstream Dredge 1 (996)	1-RA-07-POG3-SW-101-996
6/18/2007	9:15	23.7	21.8	22.0	-1.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-102-905
6/18/2007	9:15	23.7	21.8	0.5	-23.2	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-103-905 RINSE
6/20/2007	9:15	11.0	10.7	11.0	0.0	Upstream (912)	1-RA-07-POG3-SW-104-912
6/20/2007	8:55	24.8	24.0	21.0	-3.8	Downstream Dredge 1 (996)	1-RA-07-POG3-SW-105-996
6/20/2007	9:05	13.1	11.6	12.0	-1.1	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-106-905
6/25/2007	10:15	6.5	9.6	10.0	3.5	Upstream (912)	1-RA-07-POG3N-SW-107-912
6/25/2007	9:50	12.1	10.8	18.0	5.9	Downstream Dredge 1 (996)	1-RA-07-POG3N-SW-108-996
6/25/2007	10:10	7.4	8.3	12.0	4.6	Downstream Dredge 2 (905)	1-RA-07-E3S-SW-109-905
6/27/2007	9:25	9.1	8.4	15.0	5.9	Upstream (912)	1-RA-07-00D1-SW-110-912
6/27/2007	9:25	9.1	8.4	15.0	5.9	Upstream (912)	1-RA-07-00D1-SW-110-912 DUP
6/27/2007	9:35	20.6	16.5	28.0	7.4	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-111-996
6/27/2007	9:15	12.6	11.8	21.0	8.4	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-112-905
6/27/2007	9:15	12.6	11.8	0.6	-12.0	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-113-905-RINSE
7/9/2007	16:10	35.7	27.6	31.0	-4.7	Upstream (912)	1-RA-07-00D1-SW-114-912
7/9/2007	16:00	17.2	28.3	16.0	-1.2	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-115-905
7/9/2007	15:40	32.3	27.7	31.0	-1.3	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-116-996
7/11/2007	13:05	33.6	32.3	28.0	-5.6	Upstream (912)	1-RA-07-00D1-SW-117-912
7/11/2007	14:55	35.7	23.4	69.0	33.3	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-118-905

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
7/11/2007	14:38	45.7	34.8	39.0	-6.7	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-119-996
7/13/2007	10:00	20.7	20.9	20.0	-0.7	Upstream (912)	1-RA-07-00D1-SW-120-912
7/13/2007	10:00	20.7	20.9	18.0	-2.7	Upstream (912)	1-RA-07-00D1-SW-120-912-DUP
7/13/2007	9:30	24.1	18.2	22.0	-2.1	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-121-996
7/13/2007	9:45	27.5	19.3	41.0	13.5	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-122-905
7/13/2007	9:45	27.5	19.3	0.8	-26.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-123-905-Rinse
7/17/2007	11:15	31.2	29.5	27.0	-4.2	Upstream (912)	1-RA-07-00D1-SW-124-912
7/17/2007	10:45	31.9	32.4	29.0	-2.9	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-125-996
7/17/2007	11:00	27.5	29.8	33.0	5.5	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-126-905
7/18/2007	10:15	35.5	22.0	21.0	-14.5	Upstream (912)	1-RA-07-00D1-SW-127-912
7/18/2007	10:25	32.4	28.9	25.0	-7.4	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-128-996
7/18/2007	10:05	43.6	31.4	33.0	-10.6	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-129-905
7/20/2007	9:30	38.4	33.5	37.0	-1.4	Upstream (912)	1-RA-07-00D1-SW-130-912
7/20/2007	9:30	38.4	33.5	36.0	-2.4	Upstream (912)	1-RA-07-00D1-SW-130-912-DUP
7/20/2007	9:50	50.1	42.9	38.0	-12.1	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-131-996
7/20/2007	9:20	51.1	44.0	52.0	0.9	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-132-905
7/20/2007	9:20	51.1	44.0	0.4	-50.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-133-905-RINSE
7/23/2007	9:15	45.5	34.5	39.0	-6.5	Upstream (912)	1-RA-07-00D1-SW-134 912
7/23/2007	9:00	39.2	38.1	43.0	3.8	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-135-996
7/23/2007	9:30	61.8	46.3	47.0	-14.8	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-136-905
7/25/2007	9:50	30.2	27.2	26.0	-4.2	Upstream (912)	1-RA-07-00D1-SW-137-912
7/25/2007	10:10	30.3	30.3	22.0	-8.3	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-138-996
7/25/2007	10:00	27.0	37.0	100.0	73.0	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-139-905
7/30/2007	9:50	66.1	61.7	66.0	-0.1	Upstream (912)	1-RA-07-00D1-SW-140-912
7/30/2007	9:50	66.1	61.7	59.0	-7.1	Upstream (912)	1-RA-07-00D1-SW-140-912-DUP
7/30/2007	9:30	77.9	102.8	66.0	-11.9	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-141-996
7/30/2007	9:40	51.9	55.2	50.0	-1.9	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-142-905
7/30/2007	9:40	51.9	55.2	0.8	-51.1	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-143-905-RINSE
8/1/2007	9:00	33.8	24.8	30.0	-3.8	Upstream (912)	1-RA-07-00D1-SW-144-912
8/1/2007	9:25	45.5	78.6	49.0	3.5	Downstream Dredge 1 (996)	1-RA-07-00E2-SW-145-996
8/1/2007	8:25	48.4	49.4	58.0	9.6	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-146-905
8/3/2007	8:45	33.6	44.4	41.0	7.4	Upstream (912)	1-RA-07-00D1-SW-147-912
8/3/2007	9:05	48.2	24.0	44.0	-4.2	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-148-996
8/3/2007	8:50	58.8	28.0	49.0	-9.8	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-149-905

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
8/6/2007	9:25	23.7	21.8	32.0	8.3	Upstream (912)	1-RA-07-00D1-SW-150-912
8/6/2007	9:25	23.7	21.8	30.0	6.3	Upstream (912)	1-RA-07-00D1-SW-150-912-DUP
8/6/2007	8:50	34.7	15.4	41.0	6.3	Downstream Dredge 1 (996)	1-RA-07-00E2-SW-151-996
8/6/2007	9:15	28.6	23.7	44.0	15.4	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-152-905
8/6/2007	9:15	28.6	23.7	0.9	-27.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-153-905-RINSE
8/8/2007	9:00	53.1	41.0	60.0	6.9	Upstream (912)	1-RA-07-00D1-SW-154-912
8/8/2007	8:15	32.9	14.2	46.0	13.1	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-155-996
8/8/2007	8:45	54.4	46.2	71.0	16.6	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-156-905
8/10/2007	10:10	37.9	37.8	47.0	9.1	Upstream (912)	1-RA-07-00D1-SW-157-912
8/10/2007	9:50	46.7	63.1	50.0	3.3	Downstream Dredge 1 (996)	1-RA-07-00E2-SW-158-996
8/10/2007	10:05	69.9	52.3	71.0	1.1	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-159-905
8/13/2007	8:30	52.3	48.0	55.0	2.7	Upstream (912)	1-RA-07-00D1-SW-160-912
8/13/2007	8:30	52.3	48.0	53.0	0.7	Upstream (912)	1-RA-07-00D1-SW-160-912-DUP
8/13/2007	8:15	71.1	108.8	52.0	-19.1	Downstream Dredge 1 (996)	1-RA-07-00E2-SW-161-996
8/13/2007	8:40	78.4	72.3	93.0	14.6	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-162-905
8/13/2007	8:40	78.4	72.3	0.8	-77.6	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-163-905-RINSE
8/15/2007	9:20	31.1	42.8	43.0	11.9	Upstream (912)	1-RA-07-00D1-SW-164-912
8/15/2007	8:30	55.8	60.2	63.0	7.2	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-165-996
8/15/2007	9:10	59.7	33.8	62.0	2.3	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-166-905
8/17/2007	9:00	35.3	27.3	47.0	11.7	Upstream (912)	1-RA-07-00D1-SW-167-912
8/17/2007	9:50	47.7	42.6	51.0	3.3	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-168-996
8/17/2007	9:15	35.9	31.1	46.0	10.1	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-169-905
8/20/2007	10:15	36.5	34.3	44.0	7.5	Upstream (912)	1-RA-07-00D1-SW-170-912
8/20/2007	10:15	36.5	34.3	44.0	7.5	Upstream (912)	1-RA-07-00D1-SW-170-912-DUP
8/20/2007	9:45	52.2	42.6	56.0	3.8	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-171-996
8/20/2007	10:00	63.5	56.7	72.0	8.5	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-172-905
8/20/2007	10:00	63.5	56.7	1.0	-62.5	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-173-905-RINSE
8/22/2007	9:15	27.5	17.4	28.0	0.5	Upstream (912)	1-RA-07-00D1-SW-174-912
8/22/2007	9:30	120.5	81.4	110.0	-10.5	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-175-996
8/22/2007	9:05	26.7	15.5	32.0	5.3	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-176-905
8/27/2007	9:30	13.3	1.1	18.0	4.7	Upstream (912)	1-RA-07-00D1-SW-177-912
8/27/2007	13:40	31.4	25.3	50.0	18.6	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-178-996
8/27/2007	9:35	14.1	3.3	19.0	4.9	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-179-905
8/29/2007	11:35	19.6	4.2	25.0	5.4	Upstream (912)	1-RA-07-00D1-SW-180-912

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
8/29/2007	11:35	19.6	4.2	26.0	6.4	Upstream (912)	1-RA-07-00D1-SW-180-912-DUP
8/29/2007	12:10	22.1	15.3	28.0	5.9	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-181-996
8/29/2007	11:40	18.3	4.8	30.0	11.7	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-182-905
8/29/2007	11:40	18.3	4.8	0.4	-17.9	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-183-905-RINSE
8/31/2007	8:50	15.5	2.0	19.0	3.5	Upstream (912)	1-RA-07-00D1-SW-184-912
8/31/2007	8:25	15.8	12.8	18.0	2.2	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-185-996
8/31/2007	9:00	7.5	1.6	13.0	5.5	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-186-905
9/5/2007	10:00	9.8	9.8	20.0	10.2	Upstream (912)	1-RA-07-00D1-SW-187-912
9/5/2007	9:06	23.0	18.9	24.0	1.0	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-188-996
9/5/2007	9:31	12.1	10.4	14.0	1.9	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-189-905
9/6/2007	10:10	10.2	4.4	18.0	7.8	Upstream (912)	1-RA-07-00D1-SW-190-912
9/6/2007	10:10	10.2	4.4	19.0	8.8	Upstream (912)	1-RA-07-00D1-SW-190-912-DUP
9/6/2007	10:35	15.0	17.5	22.0	7.0	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-191-996
9/6/2007	9:55	10.7	5.2	20.0	9.3	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-192-905
9/6/2007	9:55	10.7	5.2	0.7	-10.0	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-193-905-RINSE
9/11/2007	10:15	13.9	0.2	20.0	6.1	Upstream (912)	1-RA-07-00D1-SW-194-912
9/11/2007	9:30	19.9	12.4	21.0	1.1	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-195-996
9/11/2007	10:00	11.0	11.3	14.0	3.0	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-196-905
9/12/2007	10:00	8.0	17.4	10.0	2.0	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-197-905
9/12/2007	10:30	10.7	6.9	14.0	3.3	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-198-996
9/12/2007	9:50	7.8	ND	11.0	3.2	Upstream (912)	1-RA-07-00D1-SW-199-912
9/14/2007	8:20	6.6	2.5	9.8	3.2	Upstream (912)	1-RA-07-00D1-SW-200-912
9/14/2007	8:20	6.6	2.5	9.2	2.6	Upstream (912)	1-RA-07-00D1-SW-200-912-DUP
9/14/2007	8:55	11.2	9.1	16.0	4.8	Downstream Dredge 1 (996)	1-RA-07-00E6-SW-201-996
9/14/2007	8:30	9.7	6.5	15.0	5.3	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-202-905
9/14/2007	8:30	9.7	6.5	0.5	-9.2	Downstream Dredge 2 (905)	1-RA-07-00D1-SW-203-905-RINSE
9/18/2007	8:45	5.6	0.6	7.7	2.1	Upstream (912)	1-RA-07-0E3S-SW-204-912
9/18/2007	8:15	9.5	7.2	11.0	1.5	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-205-996
9/18/2007	8:40	7.5	4.9	9.6	2.1	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-206-905
9/19/2007	13:35	6.4	1.9	11.0	4.6	Upstream (912)	1-RA-07-0E3S-SW-207-912
9/19/2007	13:55	11.7	7.8	15.0	3.3	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-208-996
9/19/2007	13:50	10.9	9.2	15.0	4.1	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-209-905
9/21/2007	8:10	6.1	3.2	8.4	2.3	Upstream (912)	1-RA-07-0E3S-SW-210-912
9/21/2007	8:10	6.1	3.2	9.3	3.2	Upstream (912)	1-RA-07-0E3S-SW-210-912-DUP

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
9/21/2007	8:30	21.5	11.7	20.0	-1.5	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-211-996
9/21/2007	8:15	11.0	8.9	15.0	4.0	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-212-905
9/21/2007	8:15	11.0	8.9	0.7	-10.3	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-213-905-RINSE
9/24/2007	9:20	7.2	3.5	9.6	2.4	Upstream (912)	1-RA-07-0E3S-SW-214-912
9/24/2007	9:45	7.6	4.9	10.0	2.4	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-215-996
9/24/2007	9:30	6.5	5.0	9.0	2.5	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-216-905
9/26/2007	9:10	10.3	6.4	10.0	-0.3	Upstream (912)	1-RA-07-0E3S-SW-217-912
9/26/2007	9:40	12.9	10.8	16.0	3.1	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-218-996
9/26/2007	9:20	11.9	7.3	12.0	0.1	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-219-905
10/1/2007	9:30	7.2	10.8	9.6	2.4	Upstream (912)	1-RA-07-0E3S-SW-220-912
10/1/2007	9:30	7.2	10.8	10.0	2.8	Upstream (912)	1-RA-07-0E3S-SW-220-912-DUP
10/1/2007	9:50	6.1	8.6	10.0	3.9	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-221-996
10/1/2007	9:40	7.2	8.0	10.0	2.8	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-222-905
10/1/2007	9:40	7.2	8.0	0.5	-6.7	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-223-905-RINSE
10/4/2007	9:20	7.0	6.7	13.0	6.0	Upstream (912)	1-RA-07-0E3S-SW-224-912
10/4/2007	8:42	5.8	ND	12.0	6.2	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-225-996
10/4/2007	9:09	0.4	7.4	14.0	13.6	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-226-905
10/8/2007	9:01	8.2	1.7	12.0	3.8	Upstream (912)	1-RA-07-0E3S-SW-227-912
10/8/2007	9:20	8.7	6.9	11.0	2.3	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-228-996
10/8/2007	9:05	7.1	4.8	9.6	2.5	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-229-905
10/10/2007	9:10	9.9	21.1	12.0	2.1	Upstream (912)	1-RA-07-0E3S-SW-230-912
10/10/2007	9:10	9.9	21.1	12.0	2.1	Upstream (912)	1-RA-07-0E3S-SW-230-912-DUP
10/10/2007	9:40	10.5	11.8	12.0	1.5	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-231-996
10/10/2007	9:30	12.4	4.4	14.0	1.6	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-232-905
10/10/2007	9:30	12.4	4.4	0.3	-12.1	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-233-905-RINSE
10/12/2007	8:40	10.4	3.9	8.1	-2.3	Upstream (912)	1-RA-07-0E3S-SW-234-912
10/12/2007	8:30	9.0	9.4	9.8	0.8	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-235-996
10/12/2007	8:50	6.0	6.0	8.0	2.0	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-236-905
10/15/2007	9:15	8.2	6.0	13.0	4.8	Upstream (912)	1-RA-07-0E3S-SW-237-912
10/15/2007	9:40	9.7	5.1	15.0	5.3	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-238-996
10/15/2007	9:30	8.8	4.8	12.0	3.2	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-239-905
10/17/2007	11:50	2.6	2.8	5.9	3.3	Upstream (912)	1-RA-07-0E3S-SW-240-912
10/17/2007	11:50	2.6	2.8	5.6	3.0	Upstream (912)	1-RA-07-0E3S-SW-240-912-DUP
10/17/2007	11:05	3.2	4.5	6.2	3.0	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-241-996

Date	Time	Hand-Held Turbidity Reading (NTU)	Telemetric Turbidity Reading (NTU)[1]	TSS (mg/l)	Difference Between TSS and Hand-held Turbidity [2]	Sonde Location	Sample ID
10/17/2007	11:35	4.5	3.4	5.3	0.8	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-242-905
10/17/2007	11:35	4.5	3.4	0.4	-4.1	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-243-905-RINSE
10/19/2007	9:40	22.6	22.9	29.0	6.4	Upstream (912)	1-RA-07-0E3S-SW-244-912
10/19/2007	9:00	22.5	13.2	26.0	3.5	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-245-996
10/19/2007	9:30	25.7	19.1	30.0	4.3	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-246-905
10/22/2007	8:55	12.6	18.0	14.0	1.4	Upstream (912)	1-RA-07-0E3S-SW-247-912
10/22/2007	9:20	16.0	16.2	18.0	2.0	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-248-996
10/22/2007	9:05	13.1	8.9	14.0	0.9	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-249-905
10/26/2007	8:45	6.6	6.9	9.0	2.4	Upstream (912)	1-RA-07-0E3S-SW-250-912
10/26/2007	8:45	6.6	6.9	9.2	2.6	Upstream (912)	1-RA-07-0E3S-SW-250-912 DUP
10/26/2007	9:35	6.3	6.5	12.0	5.7	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-251-996
10/26/2007	9:00	6.8	5.6	8.4	1.6	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-252-905
10/26/2007	9:00	6.8	5.6	0.7	-6.1	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-253-905 RINSE
10/29/2007	14:35	5.5	3.9	8.4	2.9	Upstream (912)	1-RA-07-0E3S-SW-254-912
10/29/2007	13:45	15.4	9.1	18.0	2.6	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-255-996
10/29/2007	14:05	8.2	1.3	13.0	4.8	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-256-905
10/31/2007	9:35	13.3	12.6	19.0	5.7	Upstream (912)	1-RA-07-0E3S-SW-257-912
10/31/2007	8:50	15.3	6.3	16.0	0.7	Downstream Dredge 1 (996)	1-RA-07-00E2-SW-258-996
10/31/2007	9:10	14.3	12.9	20.0	5.7	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-259-905
11/2/2007	8:25	3.3	2.2	7.0	3.7	Upstream (912)	1-RA-07-0E3S-SW-260-912
11/2/2007	8:25	3.3	2.2	7.0	3.7	Upstream (912)	1-RA-07-0E3S-SW-260-912-DUP
11/2/2007	8:45	11.3	12.2	17.0	5.7	Downstream Dredge 1 (996)	1-RA-07-0E3S-SW-261-996
11/2/2007	8:35	4.6	1.5	7.8	3.2	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-262-905
11/2/2007	8:35	4.6	1.5	0.7	-3.9	Downstream Dredge 2 (905)	1-RA-07-0E3S-SW-263-905-RINSE

ND = No Data

Prepared by: ECB
Checked by: MCC2

Table I-2
GW Partners
Lower Fox River - OU1
07G007
WTP Effluent Sampling Results

Flow Date[1]	Sample ID	Daily Flow (mgd)	TSS (mg/l)	BOD (mg/l)	Ammonia Nitrogen (mg/l)	Total PCBs (ug/L)
4/2/2007	1-RA-07-DEWT-EF-01	1.188	5.4	3.2	1.9	<0.23
4/3/2007	1-RA-07-DEWT-EF-02	1.456	1.7	<2.0	1.9	<0.23
4/4/2007	1-RA-07-DEWT-EF-03	1.735	2.2	6	1.1	<0.23
4/5/2007	1-RA-07-DEWT-EF-04	2.014	1.5	<2.0	0.7	<0.23
4/10/2007	1-RA-07-DEWT-EF-05	1.030	2.9	<2.0	1.3	<0.23
4/11/2007	1-RA-07-DEWT-EF-06	0.839	2.3	<2.0	1.8	<0.23
4/12/2007	1-RA-07-DEWT-EF-07	0.877	1.7	<2.0	1.4	<0.23
4/13/2007	1-RA-07-DEWT-EF-08	0.713	2	<2.0	0.88	<0.23
4/16/2007	1-RA-07-DEWT-EF-09	2.591	1.7	<2.0	0.7	<0.23
4/17/2007	1-RA-07-DEWT-EF-10	2.559	1.7	<2.0	1.1	<0.24
4/17/2007	1-RA-07-DEWT-EF-10-DUP	2.559	1.7	<2.0	1.1	<0.25
4/18/2007	1-RA-07-DEWT-EF-11	2.537	0.53	<2.0	1.6	<0.25
4/19/2007	1-RA-07-DEWT-EF-12	2.755	<0.31	<2.0	1.3	<0.23
4/20/2007	1-RA-07-DEWT-EF-13	3.361	0.9	<2.0	1.7	<0.25
4/23/2007	1-RA-07-DEWT-EF-14	2.430	2.6	<2.0	2.4	<0.23
4/24/2007	1-RA-07-DEWT-EF-15	2.248	2.1	<2.0	2.3	<0.23
4/25/2007	1-RA-07-DEWT-EF-16	2.476	0.8	<2.0	1.9	<0.23
4/26/2007	1-RA-07-DEWT-EF-17	2.696	1.6	<2.0	1.4	<0.23
4/27/2007	1-RA-07-DEWT-EF-18	3.083	1.4	<2.0	0.83	<0.23
4/30/2007	1-RA-07-DEWT-EF-19	2.543	1.2	<2.0	0.83	<0.23
5/1/2007	1-RA-07-DEWT-EF-20	2.876	2.3	<2.0	0.55	<0.23
5/1/2007	1-RA-07-DEWT-EF-20-DUP	2.876	2.2	<2.0	0.56	<0.25
5/2/2007	1-RA-07-DEWT-EF-21	2.675	1.3	<2.0	0.75	<0.23
5/3/2007	1-RA-07-DEWT-EF-22	2.745	1.4	<2.0	1.1	<0.23
5/4/2007	1-RA-07-DEWT-EF-23	2.825	1	<2.0	0.92	<0.23
5/7/2007	1-RA-07-DEWT-EF-24	2.028	0.8	<2.0	0.78	<0.23

Flow Date[1]	Sample ID	Daily Flow (mgd)	TSS (mg/l)	BOD (mg/l)	Ammonia Nitrogen (mg/l)	Total PCBs (ug/L)
5/8/2007	1-RA-07-DEWT-EF-25	2.178	0.8	3.2	<0.50	<0.23
5/9/2007	1-RA-07-DEWT-EF-26	2.212	0.61	<2.0	<0.50	<0.23
5/10/2007	1-RA-07-DEWT-EF-27	2.027	0.6	<2.0	<0.50	<0.23
5/11/2007	1-RA-07-DEWT-EF-28	2.260	0.81	<2.0	<0.50	<0.23
5/14/2007	1-RA-07-DEWT-EF-29	2.287	2.6	<2.0	<0.50	<0.23
5/15/2007	1-RA-07-DEWT-EF-30	2.580	0.84	<2.0	<0.50	<0.24
5/15/2007	1-RA-07-DEWT-EF-30-Dup	2.580	0.94	<2.0	<0.50	<0.24
5/16/2007	1-RA-07-DEWT-EF-31	2.714	0.9	<2.0	<0.50	<0.23
5/17/2007	1-RA-07-DEWT-EF-32	2.501	1.5	<2.0	1.6	<0.23
5/18/2007	1-RA-07-DEWT-EF-33	2.676	1.3	<2.0	<0.50	<0.23
5/21/2007	1-RA-07-DEWT-EF-34	2.705	1.8	<2.0	<0.50	<0.23
5/22/2007	1-RA-07-DEWT-EF-35	2.488	1.7	<2.0	<0.50	<0.23
5/23/2007	1-RA-07-DEWT-EF-36	2.464	0.8	<2.0	0.83	<0.23
5/24/2007	1-RA-07-DEWT-EF-37	2.362	0.7	<2.0	<0.50	<0.23
5/25/2007	1-RA-07-DEWT-EF-38	1.432	0.7	<2.0	2.6	<0.24
5/29/2007	1-RA-07-DEWT-EF-39	1.517	1.6	3.4	2.9	<0.23
5/30/2007	1-RA-07-DEWT-EF-40	1.258	0.74	<2.0	2.2	<0.24
5/30/2007	1-RA-07-DEWT-EF-40-DUP	1.258	0.7	<2.0	2.2	<0.25
5/31/2007	1-RA-07-DEWT-EF-41	1.747	0.9	3.7	1.5	<0.23
6/1/2007	1-RA-07-DEWT-EF-42	2.417	0.5	3.6	1.7	<0.23
6/4/2007	1-RA-07-DEWT-EF-43	2.540	1.6	3.4	1.8	<0.23
6/5/2007	1-RA-07-DEWT-EF-44	2.536	1.1	2.1	1.4	<0.23
6/6/2007	1-RA-07-DEWT-EF-45	2.559	1	<2.0	1.5	<0.26
6/7/2007	1-RA-07-DEWT-EF-46	2.715	1.5	3.4	2.6	<0.23
6/8/2007	1-RA-07-DEWT-EF-47	2.375	1.2	3	1.8	<0.23
6/11/2007	1-RA-07-DEWT-EF-48	2.498	2.3	2.4	2	<0.23
6/12/2007	1-RA-07-DEWT-EF-49	2.351	0.4	<2.0	1.8	<0.23
6/13/2007	1-RA-07-DEWT-EF-50	2.309	1.3	2.1	1.9	<0.24
6/13/2007	1-RA-07-DEWT-EF-50-DUP	2.309	1.2	2.4	2	<0.24
6/14/2007	1-RA-07-DEWT-EF-51	2.501	1.3	<2.0	1.3	<0.23
6/15/2007	1-RA-07-DEWT-EF-52	2.289	0.94	<2.0	1.2	<0.24
6/18/2007	1-RA-07-DEWT-EF-53	2.478	2	3.9	1.2	<0.23
6/19/2007	1-RA-07-DEWT-EF-54	1.689	1.4	3.2	<0.50	<0.23

Flow Date[1]	Sample ID	Daily Flow (mgd)	TSS (mg/l)	BOD (mg/l)	Ammonia Nitrogen (mg/l)	Total PCBs (ug/L)
6/20/2007	1-RA-07-DEWT-EF-55	1.529	1.3	<2.0	<0.50	<0.23
6/21/2007	1-RA-07-DEWT-EF-56	2.253	1.4	<2.0	0.96	<0.23
6/22/2007	1-RA-07-DEWT-EF-57	2.372	0.8	<2.0	1.1	<0.23
6/25/2007	1-RA-07-DEWT-EF-58	2.491	2	2.5	1.5	<0.23
6/26/2007	1-RA-07-DEWT-EF-59	2.531	0.7	<2.0	<0.50	<0.23
6/27/2007	1-RA-07-DEWT-EF-60	2.520	0.8	<2.0	<0.50	<0.23
6/27/2007	1-RA-07-DEWT-EF-60-DUP	2.520	0.7	<2.0	<0.50	<0.26
6/28/2007	1-RA-07-DEWT-EF-61	2.640	0.6	<2.0	<0.50	<0.23
6/29/2007	1-RA-07-DEWT-EF-62	2.608	0.81	<2.0	<0.50	<0.23
7/3/2007	1-RA-07-DEWT-EF-63	0.568	4.8	11	1.8	<0.24
7/4/2007	1-RA-07-DEWT-EF-64	0.487	8.5	10	1.5	<0.24
7/9/2007	1-RA-07-DEWT-EF-65	2.470	3.7	3.8	1.8	<0.23
7/10/2007	1-RA-07-DEWT-EF-66	2.296	0.7	<2.0	1.8	<0.23
7/11/2007	1-RA-07-DEWT-EF-67	2.288	0.7	2.8	1.4	<0.23
7/12/2007	1-RA-07-DEWT-EF-68	2.465	1	<2.0	2.3	<0.24
7/13/2007	1-RA-07-DEWT-EF-69	2.167	0.8	2.2	2.1	<0.23
7/16/2007	1-RA-07-DEWT-EF-70	2.562	1.3	2.9	1.6	<0.25
7/16/2007	1-RA-07-DEWT-EF-70-DUP	2.562	1.4	3.5	1.6	<0.23
7/17/2007	1-RA-07-DEWT-EF-71	2.265	1	2.1	0.72	<0.23
7/18/2007	1-RA-07-DEWT-EF-72	2.215	0.8	<2.0	1.3	<0.24
7/19/2007	1-RA-07-DEWT-EF-73	2.332	1.2	<2.0	0.77	<0.23
7/20/2007	1-RA-07-DEWT-EF-74	2.029	1.1	2.6	1.3	<0.23
7/23/2007	1-RA-07-DEWT-EF-75	2.537	1.5	4.4	1.6	<0.23
7/24/2007	1-RA-07-DEWT-EF-76	2.618	1	2.1	0.55	<0.23
7/25/2007	1-RA-07-DEWT-EF-77	1.719	2.1	2.7	<0.50	<0.23
7/26/2007	1-RA-07-DEWT-EF-78	1.593	1.8	<2.0	<0.50	<0.24
7/27/2007	1-RA-07-DEWT-EF-79	1.824	2	<2.0	<0.50	<0.23
7/30/2007	1-RA-07-DEWT-EF-80	2.368	2.9	<2.0	0.96	<0.25
7/30/2007	1-RA-07-DEWT-EF-80-DUP	2.368	2.6	<2.0	0.96	<0.23
7/31/2007	1-RA-07-DEWT-EF-81	1.993	1.1	<2.0	6.4	<0.23
8/1/2007	1-RA-07-DEWT-EF-82	2.198	1.5	<2.0	5.3	<0.23
8/2/2007	1-RA-07-DEWT-EF-83	2.411	1.4	2.7	1.4	<0.23
8/3/2007	1-RA-07-DEWT-EF-84	2.270	1.5	3.2	2.4	<0.23

Flow Date[1]	Sample ID	Daily Flow (mgd)	TSS (mg/l)	BOD (mg/l)	Ammonia Nitrogen (mg/l)	Total PCBs (ug/L)
8/6/2007	1-RA-07-DEWT-EF-85	2.471	2.4	3.6	5	<0.23
8/7/2007	1-RA-07-DEWT-EF-86	1.865	2.2	2.7	11	<0.24
8/8/2007	1-RA-07-DEWT-EF-87	2.205	1.9	2.1	11	<0.23
8/9/2007	1-RA-07-DEWT-EF-88	2.375	1.5	<2.0	9.2	<0.24
8/10/2007	1-RA-07-DEWT-EF-89	2.253	2.1	2.9	6	<0.25
8/13/2007	1-RA-07-DEWT-EF-90	2.615	3.3	3.1	4.4	<0.23
8/13/2007	1-RA-07-DEWT-EF-90-DUP	2.615	3.6	3.1	4.5	<0.24
8/14/2007	1-RA-07-DEWT-EF-91	2.283	2.3	2.4	1	<0.24
8/15/2007	1-RA-07-DEWT-EF-92	2.355	1.4	<2.0	<0.50	<0.23
8/16/2007	1-RA-07-DEWT-EF-93	2.316	1.2	<2.0	<0.50	<0.23
8/17/2007	1-RA-07-DEWT-EF-94	2.340	1.4	<2.0	0.59	<0.24
8/20/2007	1-RA-07-DEWT-EF-95	2.595	2	3.6	<0.50	<0.23
8/21/2007	1-RA-07-DEWT-EF-96	2.319	0.65	<2.0	1.7	<0.23
8/22/2007	1-RA-07-DEWT-EF-97	2.207	0.93	<2.0	0.59	<0.23
8/23/2007	1-RA-07-DEWT-EF-98	2.170	0.53	<2.0	1.6	<0.24
8/24/2007	1-RA-07-DEWT-EF-99	2.650	0.43	2.4	1.6	<0.23
8/27/2007	1-RA-07-DEWT-EF-100	3.051	1.1	4.5	0.74	<0.25
8/27/2007	1-RA-07-DEWT-EF-100-DUP	3.051	1.3	4.8	0.64	<0.23
8/28/2007	1-RA-07-DEWT-EF-101	2.306	0.97	2.7	<0.50	<0.23
8/29/2007	1-RA-07-DEWT-EF-102	2.618	1.3	3.2	1.3	<0.23
8/30/2007	1-RA-07-DEWT-EF-103	2.738	0.62	2.6	2.4	<0.23
8/31/2007	1-RA-07-DEWT-EF-104	2.883	1	6.1	2.9	<0.24
9/3/2007	1-RA-07-DEWT-EF-105	0.877	3.7	13	1.8	<0.25
9/4/2007	1-RA-07-DEWT-EF-106	2.252	0.94	6.2	2.6	<0.23
9/5/2007	1-RA-07-DEWT-EF-107	2.723	0.54	3	1.8	<0.23
9/6/2007	1-RA-07-DEWT-EF-108	2.869	1.6	4	1	<0.23
9/7/2007	1-RA-07-DEWT-EF-109	3.520	1.4	2.4	1.2	<0.23
9/10/2007	1-RA-07-DEWT-EF-110	3.016	1.9	4.3	0.85	<0.23
9/10/2007	1-RA-07-DEWT-EF-110-DUP	3.016	1.8	4.9	0.84	<0.23
9/11/2007	1-RA-07-DEWT-EF-111	3.012	0.9	<2.0	0.8	<0.23
9/12/2007	1-RA-07-DEWT-EF-112	2.880	0.58	<2.0	<0.50	<0.23
9/13/2007	1-RA-07-DEWT-EF-113	3.080	0.96	2.3	<0.50	<0.23
9/14/2007	1-RA-07-DEWT-EF-114	2.574	1.1	2.4	<0.50	<0.23

Flow Date[1]	Sample ID	Daily Flow (mgd)	TSS (mg/l)	BOD (mg/l)	Ammonia Nitrogen (mg/l)	Total PCBs (ug/L)
9/17/2007	1-RA-07-DEWT-EF-115	2.847	1.6	3.7	0.64	<0.24
9/18/2007	1-RA-07-DEWT-EF-116	2.654	0.84	<2.0	11	<0.24
9/19/2007	1-RA-07-DEWT-EF-117	3.167	0.43	<2.0	<0.50	<0.23
9/20/2007	1-RA-07-DEWT-EF-118	2.664	0.56	<2.0	<0.50	<0.24
9/21/2007	1-RA-07-DEWT-EF-119	2.543	1.5	5.2	0.69	<0.23
9/24/2007	1-RA-07-DEWT-EF-120	2.990	2	5.7	1.2	<0.23
9/24/2007	1-RA-07-DEWT-EF-120-DUP	2.990	2.5	5.8	1.2	<0.23
9/25/2007	1-RA-07-DEWT-EF-121	2.317	1.9	<2.0	1.2	<0.23
9/26/2007	1-RA-07-DEWT-EF-122	1.094	2.5	2.9	1.2	<0.23
9/27/2007	1-RA-07-DEWT-EF-123	2.324	0.52	2.9	<0.50	<0.23
9/28/2007	1-RA-07-DEWT-EF-124	2.683	0.75	<2.0	<0.50	<0.23
10/1/2007	1-RA-07-DEWT-EF-125	3.182	0.64	<2.0	0.76	<0.23
10/2/2007	1-RA-07-DEWT-EF-126	2.765	0.97	<2.0	<0.50	<0.25
10/3/2007	1-RA-07-DEWT-EF-127	2.497	1.2	4.3	<0.50	<0.26
10/4/2007	1-RA-07-DEWT-EF-128	2.667	0.96	<2.0	0.9	<0.25
10/5/2007	1-RA-07-DEWT-EF-129	2.667	1.2	<2.0	0.86	<0.25
10/8/2007	1-RA-07-DEWT-EF-130	3.196	1.4	3	0.71	<0.25
10/8/2007	1-RA-07-DEWT-EF-130-DUP	3.196	1.5	2.5	0.68	<0.23
10/9/2007	1-RA-07-DEWT-EF-131	2.668	0.79	2.2	<0.50	<0.23
10/10/2007	1-RA-07-DEWT-EF-132	2.591	0.44	2.3	<0.50	<0.23
10/11/2007	1-RA-07-DEWT-EF-133	2.680	0.44	2.8	<0.50	<0.23
10/12/2007	1-RA-07-DEWT-EF-134	2.731	0.89	2.1	<0.50	<0.24
10/15/2007	1-RA-07-DEWT-EF-135	3.040	2.1	4.2	<0.50	<0.23
10/16/2007	1-RA-07-DEWT-EF-136	2.870	0.82	<2.0	<0.50	<0.23
10/17/2007	1-RA-07-DEWT-EF-137	2.488	1.5	3.9	<0.50	<0.23
10/18/2007	1-RA-07-DEWT-EF-138	2.956	0.6	2.5	1.7	<0.23
10/19/2007	1-RA-07-DEWT-EF-139	2.832	0.72	<2.0	1.6	<0.23
10/22/2007	1-RA-07-DEWT-EF-140	2.804	4.4	5.8	0.69	<0.26
10/22/2007	1-RA-07-DEWT-EF-140-DUP	2.804	4.8	4.9	0.62	<0.23
10/23/2007	1-RA-07-DEWT-EF-141	2.816	1.4	<2.0	<0.50	<0.23
10/24/2007	1-RA-07-DEWT-EF-142	2.954	4.4	4.8	1.6	<0.23
10/25/2007	1-RA-07-DEWT-EF-143	2.369	1.1	<2.0	6.1	<0.24
10/26/2007	1-RA-07-DEWT-EF-144	2.549	0.9	<2.0	7.6	<0.24

Flow Date[1]	Sample ID	Daily Flow (mgd)	TSS (mg/l)	BOD (mg/l)	Ammonia Nitrogen (mg/l)	Total PCBs (ug/L)
10/29/2007	1-RA-07-DEWT-EF-145	2.749	3.2	4	3.5	<0.25
10/30/2007	1-RA-07-DEWT-EF-146	2.449	2.6	<2.0	1.8	<0.24
10/31/2007	1-RA-07-DEWT-EF-147	2.473	1.3	<2.0	0.87	<0.23
11/1/2007	1-RA-07-DEWT-EF-148	2.375	1.9	<2.0	1	<0.23
11/2/2007	1-RA-07-DEWT-EF-149	2.138	1.2	<2.0	0.51	<0.26
11/2/2007	1-RA-07-DEWT-EF-149-DUP	2.138	1.1	<2.0	<0.50	<0.25
11/5/2007	1-RA-07-DEWT-EF-150	0.706	0.9	19	1.8	<0.24
11/6/2007	1-RA-07-DEWT-EF-151	0.403	2.9	11	2	<0.24
11/7/2007	1-RA-07-DEWT-EF-152	0.261	5.2	7.9	2.1	<0.24
11/8/2007	1-RA-07-DEWT-EF-153	0.158	5.2	9.8	2.2	<0.24
11/26/2007	1-RA-07-DEWT-EF-154	0.752	12	46	5.9	<0.25
11/27/2007	1-RA-07-DEWT-EF-155	0.476	14	30	3.8	<0.23
11/29/2007	1-RA-07-DEWT-EF-156	0.280	4.7	11	3.3	<0.25
12/18/2007	1-RA-07-DEWT-EF-157	0.305	4.6	7.6	3.3	<0.25
12/19/2007	1-RA-07-DEWT-EF-158	0.541	2.2	6.3	2.7	<0.26
12/20/2007	1-RA-07-DEWT-EF-159	0.286	2.6	5.2	1.7	<0.26

[1] The date is that which the daily flow was measured (not necessarily the date the sample was collected).

[2] Not enough effluent was present to collect a PCB sample. PCB not analyzed

NV = No Value, Sample not collected - in most cases not enough effluent sample.

* The analysis was done, but the holding time was exceeded.

Prepared by: ECB

Checked by: MCC2

Table I-3
GW Partners
Lower Fox River - OU1
07G007
WTP Operation Low-Level Mercury Sampling Results

Collection Date	Sample ID	Mercury (Low-Level) (ng/L)	Mercury (Low-Level) Field Blank (ng/L)	QC TSS (mg/l)
4/5/2007	1-RA-07-DEWT-EF-LLHg-01	1.26	<0.163	3.7
4/12/2007	1-RA-07-DEWT-EF-LLHG-02	0.89	<0.163	1.6
4/19/2007	1-RA-07-DEWT-EF-LLHg-03	0.276	<0.163	0.9
4/26/2007	1-RA-07-DEWT-EF-LLHG-04	2.41	0.195	2
5/3/2007	1-RA-07-DEWT-EF-LLHG-05	2.08	0.267	1.5
5/10/2007	1-RA-07-DEWT-EF-LLHG-06	0.819	0.236	0.6
5/17/2007	1-RA-07-DEWT-EF-LLHg-07	4.53	0.225	1.5
5/24/2007	1-RA-07-DEWT-EF-LLHg-08	3.03	0.24	<0.31
5/31/2007	1-RA-07-DEWT-EF-LLHG-09	3.21	0.211	0.6
6/7/2007	1-RA-07-DEWT-EF-LLHG-10	4.23	0.166	1.3
6/7/2007	1-RA-07-DEWT-EF-LLHG-10-DUP	4.04	---	---
6/14/2007	1-RA-07-DEWT-EF-LLHG-11	3.57	0.223	1.1
6/22/2007	1-RA-07-DEWT-EF-LLHG-12	4.17	0.281	1.2
6/28/2007	1-RA-07-DEWT-EF-LLHG-13	2.37	0.235	<0.31
7/12/2007	1-RA-07-DEWT-EF-LLHG-14	1.53	0.374	0.91
7/19/2007	1-RA-07-DEWT-EF-LLHG-15	2.36	0.298	0.7
7/26/2007	1-RA-07-DEWT-EF-LLHG-16	3.11	0.337	1.2
8/2/2007	1-RA-07-DEWT-EF-LLHG-17	2.46	0.249	0.5
8/9/2007	1-RA-07-DEWT-EF-LLHG-18	4.62	<0.163	1.8
8/16/2007	1-RA-07-DEWT-EF-LLHG-19	2.48	0.507	0.63
8/23/2007	1-RA-07-DEWT-EF-LLHG-20	2.29	0.462	<0.34
8/23/2007	1-RA-07-DEWT-EF-LLHG-20-DUP	2.11	---	---
8/30/2007	1-RA-07-DEWT-EF-LLHG-21	3.05	<0.163	1
9/6/2007	1-RA-07-DEWT-EF-LLHG-22	2.94	0.326	0.91
9/13/2007	1-RA-07-DEWT-EF-LLHG-23	2.28	0.21	<0.33
9/20/2007	1-RA-07-DEWT-EF-LLHG-24	2.73	0.495	0.56
9/27/2007	1-RA-07-DEWT-EF-LLHG-25	2.08	0.348	<0.32
10/5/2007	1-RA-07-DEWT-EF-LLHG-26	2.99	0.353	0.85
10/11/2007	1-RA-07-DEWT-EF-LLHG-27	3.14	0.173	0.44
10/18/2007	1-RA-07-DEWT-EF-LLHG-28	5.07	0.253	2.2
10/25/2007	1-RA-07-DEWT-EF-LLHG-29	1.6	0.216	0.74
10/31/2007	1-RA-07-DEWT-EF-LLHG-30	1.28	0.357	1.8
10/31/2007	1-RA-07-DEWT-EF-LLHG-30-DUP	1.28	---	---
11/8/2007	1-RA-07-DEWT-EF-LLHG-31	2.67	0.31	2.9

Prepared by: ECB
Checked by: MCC2

Table I-4
GW Partners
Lower Fox River - OU1
07G007
Air Sampling Results

Dates	Sampling Round	Location ID		Laboratory Reporting Limit (Total µg of PCBs)	Laboratory Results (Total µg of PCBs)[1]	Total Air Volume Sampled (Total m^3)		Calculated PCB Conc'n ($\mu g/m^3$)[2]
Baseline Sampling								
3/29/07-4/1/07	94	GWP-1	PCB-01-94	0.50	ND	1111.14	≤	0.00045
3/29/07-4/1/07	94	GWP-2	PCB-02-94	0.50	ND	1124.64	≤	0.00044
3/29/07-4/1/07	94	GWP-3	PCB-03-94	0.50	ND	1129.03	≤	0.00044
3/29/07-4/1/07	94	GWP-4	PCB-04-94	0.50	ND	1140.32	≤	0.00044
4/4/07-4/7/07	95	GWP-1	PCB-01-95	0.50	ND	1053.62	≤	0.00047
4/4/07-4/7/07	95	GWP-2	PCB-02-95	0.50	ND	1133.826	≤	0.00044
4/4/07-4/7/07	95	GWP-3	PCB-03-95	0.50	ND	1138.311	≤	0.00044
4/4/07-4/7/07	95	GWP-4	PCB-04-95	0.50	ND	1155.108	≤	0.00043
4/13/07-4/16/07	96	GWP-1	PCB-01-96	0.50	ND	1089.36	≤	0.00046
4/13/07-4/16/07	96	GWP-2	PCB-02-96	0.50	ND	1102.17	≤	0.00045
4/13/07-4/16/07	96	GWP-3	PCB-03-96	0.50	ND	1115.14	≤	0.00045
4/13/07-4/16/07	96	GWP-4	PCB-04-96	0.50	ND	1125.56	≤	0.00044
Load Out Sampling								
7/9/2007-7/12/07	97	GWP-1	PCB-01-97	0.50	1.1	1093.78		0.00100
7/9/2007-7/12/07	97	GWP-2	PCB-02-97	0.50	ND	1095.01	≤	0.00046
7/9/2007-7/12/07	97	GWP-3	PCB-03-97	0.50	0.89	1086.10		0.00082
7/9/2007-7/12/07	97	GWP-4	PCB-04-97	0.50	0.78	1108.10		0.00070
7/12/07-7/15/07	98	GWP-1	PCB-01-98	0.50	ND	1094.79	≤	0.00046
7/12/07-7/15/07	98	GWP-2	PCB-02-98	0.50	ND	1100.43	≤	0.00045
7/12/07-7/15/07	98	GWP-3	PCB-03-98	0.50	ND	1097.30	≤	0.00046
7/12/07-7/15/07	98	GWP-4	PCB-04-98	0.50	ND	1130.65	≤	0.00044
7/15/07-7/18/07	99	GWP-1	PCB-01-99	0.50	1.3	1083.78		0.00120
7/15/07-7/18/07	99	GWP-2	PCB-02-99	0.50	ND	1082.96	≤	0.00046
7/15/07-7/18/07	99	GWP-3	PCB-03-99	0.50	0.93	1069.68		0.00087
7/15/07-7/18/07	99	GWP-4	PCB-04-99	0.50	0.95	1092.39		0.00087

Notes:

1. ND = "None Detected". Given the laboratory reporting limit is 0.5 ug/sample, the concentration is calculated based on this value and reported as less than this concentration.
2. As a frame of reference, the airborne concentrations observed here could be compared to the airborne concentrations observed during the previous 56/57 Demonstration Project in 1999. During that study, concentrations collected within the property boundaries of the remediation area ranged from 0.0013 to 0.0216 ug/m3 during dredging. Baseline concentrations, obtained prior to this same dredging project ranged from 0.0003 to 0.0016 ug/m3.

Prepared by: ECB
Checked by: SVF

Table I-5
GW Partners
Lower Fox River - OU1
07G007
Plume Monitoring Turbidity Readings

Date	Time	Background Turbidity (NTU)	Turbidity using Hand-held Meter (NTU)	Elevation of Turbidity Compared to Background (NTU)	Sonde Location	Wind Speed (mph) and Direction
7/23/2007	1600	27.0	126.3	99.3	50 ft N of sand spreader (SMU 2)	7 SSW
7/23/2007	1600	27.0	124.6	97.6	100 ft N of sand spreader (SMU 2)	7 SSW
7/23/2007	1600	27.0	131.7	104.7	150 ft N of sand spreader (SMU 2)	7 SSW
7/23/2007	1600	27.0	48.1	21.1	200 ft N of sand spreader (SMU 2)	7 SSW
7/24/2007	1330	35.0	142.7	107.7	0 ft NE of sand spreader (SMU 2)	3 NW
7/24/2007	1330	35.0	146.1	111.1	50 ft E of sand spreader (SMU 2)	3 NW
7/24/2007	1330	35.0	133.4	98.4	100 ft E of sand spreader (SMU 2)	3 NW
7/24/2007	1330	35.0	84.8	49.8	150 ft E of sand spreader (SMU 2)	3 NW
7/24/2007	1330	35.0	75.2	40.2	200 ft E of sand spreader (SMU 2)	3 NW
7/24/2007	1330	35.0	67.5	32.5	250 ft E of sand spreader (SMU 2)	3 NW
7/30/2007	1200	39.0	114.0	75.0	Inside silt curtain of sand spreader (SMU 1)	variable
7/30/2007	1200	39.0	78.0	39.0	0 ft N of sand spreader (SMU 1)	variable
7/30/2007	1200	39.0	77.2	38.2	50 ft N of sand spreader (SMU 1)	variable
7/30/2007	1200	39.0	63.0	24.0	100 ft N of sand spreader (SMU 1)	variable
7/30/2007	1200	39.0	61.0	22.0	150 ft N of sand spreader (SMU 1)	variable
7/30/2007	1200	39.0	33.4	-5.6	200 ft N of sand spreader (SMU 1)	variable
7/30/2007	1200	39.0	51.0	12.0	250 ft N of sand spreader (SMU 1)	variable
8/1/2007	1545	46.2	174.5	128.3	0 ft NE of sand spreader (out from spreading bay) (SMU 1)	17 WSW
8/1/2007	1545	46.2	150.9	104.7	50 ft NE of sand spreader (out from spreading bay) (SMU 1)	17 WSW
8/1/2007	1545	46.2	352.1	305.9	Inside silt curtain of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	121.7	75.5	0 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	110.5	64.3	50 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	142.1	95.9	100 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	110.8	64.6	150 ft NE of sand spreader (SMU 1)	17 WSW

Date	Time	Background Turbidity (NTU)	Turbidity using Hand-held Meter (NTU)	Elevation of Turbidity Compared to Background (NTU)	Sonde Location	Wind Speed (mph) and Direction
8/1/2007	1545	46.2	95.1	48.9	200 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	79.4	33.2	250 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	68.4	22.2	300 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	61.1	14.9	350 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	63.0	16.8	400 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	62.4	16.2	450 ft NE of sand spreader (SMU 1)	17 WSW
8/1/2007	1545	46.2	62.4	16.2	500 ft NE of sand spreader (SMU 1)	17 WSW
8/2/2007	1630	42.0	1100.0	1058.0	Discharge of sand spreader (SMU 5)	15 WNW
8/2/2007	1630	42.0	278.0	236.0	Inside silt curtain of sand spreader (SMU 5)	15 WNW
8/2/2007	1630	42.0	53.8	11.8	0 ft N of sand spreader (SMU 5)	15 WNW
8/2/2007	1630	42.0	59.9	17.9	50 ft N of sand spreader (SMU 5)	15 WNW
8/2/2007	1630	42.0	48.1	6.1	100 ft NE of sand spreader (SMU 5)	15 WNW
8/2/2007	1630	42.0	50.3	8.3	150 ft NE of sand spreader (SMU 5)	15 WNW
8/2/2007	1630	42.0	58.0	16.0	200 ft NE of sand spreader (SMU 5)	15 WNW
8/2/2007	1630	42.0	69.4	27.4	250 ft NE of sand spreader (SMU 5)	15 WNW
8/2/2007	1630	42.0	53.0	11.0	300 ft NE of sand spreader (SMU 5)	15 WNW
8/3/2007	1300	53.5	1121.2	1067.7	Discharge of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	208.4	154.9	Inside silt curtain of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	119.6	66.1	0 ft NE of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	138.4	84.9	50 ft NE of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	129.4	75.9	100 ft NE of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	113.1	59.6	150 ft NE of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	87.5	34.0	200 ft NE of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	69.5	16.0	250 ft NE of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	61.4	7.9	300 ft NE of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	52.7	-0.8	350 ft NE of sand spreader (SMU 5)	12 W
8/3/2007	1300	53.5	51.5	-2.0	400 ft NE of sand spreader (SMU 5)	12 W
8/6/2007	1600	25.7	166.2	140.5	Inside silt curtain of sand spreader (SMU 5)	7 W
8/6/2007	1600	25.7	59.7	34.0	0 ft NE of sand spreader (SMU 5)	7 W
8/6/2007	1600	25.7	69.7	44.0	50 ft NE of sand spreader (SMU 5)	7 W
8/6/2007	1600	25.7	41.4	15.7	100 ft NE of sand spreader (SMU 5)	7 W

Date	Time	Background Turbidity (NTU)	Turbidity using Hand-held Meter (NTU)	Elevation of Turbidity Compared to Background (NTU)	Sonde Location	Wind Speed (mph) and Direction
8/6/2007	1600	25.7	39.9	14.2	150 ft NE of sand spreader (SMU 5)	7 W
8/6/2007	1600	25.7	33.1	7.4	200 ft NE of sand spreader (SMU 5)	7 W
8/6/2007	1600	25.7	31.8	6.1	250 ft NE of sand spreader (SMU 5)	7 W
8/6/2007	1600	25.7	28.1	2.4	300 ft NE of sand spreader (SMU 5)	7 W
8/7/2007	1400	30.2	245.3	215.1	Inside silt curtain of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	144.7	114.5	0 ft NE of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	101.5	71.3	50 ft NE of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	146.2	116.0	100 ft NE of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	142.3	112.1	150 ft NE of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	63.7	33.5	200 ft NE of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	60.3	30.1	250 ft NE of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	50.4	20.2	300 ft NE of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	35.4	5.2	350 ft NE of sand spreader (SMU 5)	10 WSW
8/7/2007	1400	30.2	34.3	4.1	400 ft NE of sand spreader (SMU 5)	10 WSW
8/8/2007	1430	60.0	340.4	280.4	Inside silt curtain of sand spreader (SMU 5)	6 ENE
8/8/2007	1430	60.0	176.6	116.6	0 ft NE of sand spreader (SMU 5)	6 ENE
8/8/2007	1430	60.0	115.6	55.6	50 ft NE of sand spreader (SMU 5)	6 ENE
8/8/2007	1430	60.0	140.3	80.3	100 ft NE of sand spreader (SMU 5)	6 ENE
8/8/2007	1430	60.0	101.7	41.7	150 ft NE of sand spreader (SMU 5)	6 ENE
8/8/2007	1430	60.0	118.9	58.9	200 ft NE of sand spreader (SMU 5)	6 ENE
8/8/2007	1430	60.0	94.0	34.0	250 ft NE of sand spreader (SMU 5)	6 ENE
8/8/2007	1430	60.0	62.1	2.1	300 ft NE of sand spreader (SMU 5)	6 ENE
8/9/2007	1545	35.2	397.5	362.3	Inside silt curtain of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	136.7	101.5	0 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	134.0	98.8	50 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	112.4	77.2	100 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	103.0	67.8	150 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	81.8	46.6	200 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	69.1	33.9	250 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	68.6	33.4	300 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	51.8	16.6	350 ft NE of sand spreader (SMU 5)	5 SW

Date	Time	Background Turbidity (NTU)	Turbidity using Hand-held Meter (NTU)	Elevation of Turbidity Compared to Background (NTU)	Sonde Location	Wind Speed (mph) and Direction
8/9/2007	1545	35.2	54.7	19.5	400 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	51.8	16.6	450 ft NE of sand spreader (SMU 5)	5 SW
8/9/2007	1545	35.2	46.9	11.7	500 ft NE of sand spreader (SMU 5)	5 SW
8/10/2007	1020	45.4	440.0	394.6	Inside silt curtain of sand spreader (SMU 5)	6 NNE
8/10/2007	1020	45.4	205.0	159.6	0 ft N of sand spreader (SMU 5)	6 NNE
8/10/2007	1020	45.4	122.0	76.6	50 ft N of sand spreader (SMU 5)	6 NNE
8/10/2007	1020	45.4	85.1	39.7	100 ft N of sand spreader (SMU 5)	6 NNE
8/10/2007	1020	45.4	40.3	-5.1	150 ft N of sand spreader (SMU 5)	6 NNE
8/10/2007	1020	45.4	205.0	159.6	0 ft WSW of sand spreader (SMU 5)	6 NNE
8/10/2007	1020	45.4	69.1	23.7	50 ft WSW of sand spreader (SMU 5)	6 NNE
8/10/2007	1020	45.4	70.6	25.2	100 ft WSW of sand spreader (SMU 5)	6 NNE
8/10/2007	1020	45.4	54.3	8.9	150 ft WSW of sand spreader (SMU 5)	6 NNE
8/13/2007	1600	68.1	1226.0	1157.9	Discharge of sand spreader (SMU 5)	calm
8/13/2007	1600	68.1	307.7	239.6	Inside silt curtain of sand spreader (SMU 5)	calm
8/13/2007	1600	68.1	104.7	36.6	0 ft E of sand spreader (SMU 5)	calm
8/13/2007	1600	68.1	85.5	17.4	50 ft E of sand spreader (SMU 5)	calm
8/13/2007	1600	68.1	98.9	30.8	100 ft E of sand spreader (SMU 5)	calm
8/13/2007	1600	68.1	99.6	31.5	150 ft E of sand spreader (SMU 5)	calm
8/13/2007	1600	68.1	82.3	14.2	200 ft E of sand spreader (SMU 5)	calm
8/14/2007	1615	55.1	1025.0	969.9	Discharge of sand spreader (SMU 5)	10 W
8/14/2007	1615	55.1	401.0	345.9	Inside silt curtain of sand spreader (SMU 5)	10 W
8/14/2007	1615	55.1	96.0	40.9	0 ft E of sand spreader (SMU 5)	10 W
8/14/2007	1615	55.1	88.4	33.3	50 ft E of sand spreader (SMU 5)	10 W
8/14/2007	1615	55.1	47.3	-7.8	100 ft E of sand spreader (SMU 5)	10 W
8/15/2007	1650	49.4	1202.1	1152.7	Discharge of sand spreader (SMU 5)	7 SW
8/15/2007	1650	49.4	453.3	403.9	Inside silt curtain of sand spreader (SMU 5)	7 SW
8/15/2007	1650	49.4	138.7	89.3	0 ft NE of sand spreader (SMU 5)	7 SW
8/15/2007	1650	49.4	108.3	58.9	50 ft NE of sand spreader (SMU 5)	7 SW
8/15/2007	1650	49.4	77.7	28.3	100 ft NE of sand spreader (SMU 5)	7 SW
8/15/2007	1650	49.4	71.0	21.6	150 ft NE of sand spreader (SMU 5)	7 SW
8/15/2007	1650	49.4	90.4	41.0	200 ft NE of sand spreader (SMU 5)	7 SW

Date	Time	Background Turbidity (NTU)	Turbidity using Hand-held Meter (NTU)	Elevation of Turbidity Compared to Background (NTU)	Sonde Location	Wind Speed (mph) and Direction
8/15/2007	1650	49.4	76.1	26.7	250 ft NE of sand spreader (SMU 5)	7 SW
8/15/2007	1650	49.4	59.3	9.9	300 ft NE of sand spreader (SMU 5)	7 SW
8/17/2007	1030	45.1	1170.0	1124.9	Discharge of sand spreader (SMU 6)	16 NW
8/17/2007	1030	45.1	283.0	237.9	Inside silt curtain of sand spreader (SMU 6)	16 NW
8/17/2007	1030	45.1	154.0	108.9	0 ft SE of sand spreader (SMU 6)	16 NW
8/17/2007	1030	45.1	44.4	-0.7	50 ft SE of sand spreader (SMU 6)	16 NW
8/17/2007	1030	45.1	44.2	-0.9	100 ft SE of sand spreader (SMU 6)	16 NW
8/20/2007	1530	46.8	1123.7	1076.9	Discharge of sand spreader (SMU 8)	14 E
8/20/2007	1530	46.8	203.7	156.9	Inside silt curtain of sand spreader (SMU 8)	14 E
8/20/2007	1530	46.8	109.3	62.5	0 ft SE of sand spreader (SMU 8)	14 E
8/20/2007	1530	46.8	80.2	33.4	50 ft SE of sand spreader (SMU 8)	14 E
8/20/2007	1530	46.8	106.5	59.7	100 ft SE of sand spreader (SMU 8)	14 E
8/20/2007	1530	46.8	88.3	41.5	150 ft SE of sand spreader (SMU 8)	14 E
8/20/2007	1530	46.8	68.5	21.7	200 ft SE of sand spreader (SMU 8)	14 E
8/20/2007	1530	46.8	55.7	8.9	250 ft SE of sand spreader (SMU 8)	14 E
8/20/2007	1530	46.8	50.6	3.8	300 ft SE of sand spreader (SMU 8)	14 E
8/21/2007	0915	28.4	1121.9	1093.5	Discharge of sand spreader (SMU 7)	13 ESE
8/21/2007	0915	28.4	194.6	166.2	Inside silt curtain of sand spreader (SMU 7)	13 ESE
8/21/2007	0915	28.4	121.8	93.4	0 ft N of sand spreader (SMU 7)	13 ESE
8/21/2007	0915	28.4	59.4	31.0	50 ft N of sand spreader (SMU 7)	13 ESE
8/21/2007	0915	28.4	36.3	7.9	100 ft N of sand spreader (SMU 7)	13 ESE
8/22/2007	1400	23.2	1194.3	1171.1	Discharge of sand spreader (SMU 9)	9 WSW
8/22/2007	1400	23.2	176.3	153.1	Inside silt curtain of sand spreader (SMU 9)	9 WSW
8/22/2007	1400	23.2	126.0	102.8	0 ft NE of sand spreader (SMU 9)	9 WSW
8/22/2007	1400	23.2	95.9	72.7	50 ft NE os sand spreader (SMU 9)	9 WSW
8/22/2007	1400	23.2	69.2	46.0	100 ft NE of sand spreader (SMU 9)	9 WSW
8/22/2007	1400	23.2	54.7	31.5	150 ft NE of sand spreader (SMU 9)	9 WSW
8/22/2007	1400	23.2	27.7	4.5	200 ft NE of sand spreader (SMU 9)	9 WSW
8/23/2007	1500	14.3	1148.1	1133.8	Discharge of sand spreader (SMU 9)	4 SSE
8/23/2007	1500	14.3	109.9	95.6	Inside silt curtain of sand spreader (SMU 9)	4 SSE
8/23/2007	1500	14.3	183.1	168.8	0 ft NNE of sand spreader (SMU 9)	4 SSE

Date	Time	Background Turbidity (NTU)	Turbidity using Hand-held Meter (NTU)	Elevation of Turbidity Compared to Background (NTU)	Sonde Location	Wind Speed (mph) and Direction
8/23/2007	1500	14.3	43.4	29.1	50 ft NNE of sand spreader (SMU 9)	4 SSE
8/23/2007	1500	14.3	32.3	18.0	100 ft NNE of sand spreader (SMU 9)	4 SSE
8/23/2007	1500	14.3	25.7	11.4	150 ft NNE of sand spreader (SMU 9)	4 SSE
8/24/2007	1430	31.1	1140.0	1108.9	Discharge of sand spreader (SMU 13)	11 N
8/24/2007	1430	31.1	106.3	75.2	Inside silt curtain of sand spreader (SMU 13)	11 N
8/24/2007	1430	31.1	95.1	64.0	0 ft SSE of sand spreader (SMU 13)	11 N
8/24/2007	1430	31.1	131.9	100.8	50 ft SSE of sand spreader (SMU 13)	11 N
8/24/2007	1430	31.1	78.4	47.3	100 ft SSE of sand spreader (SMU 13)	11 N
8/24/2007	1430	31.1	58.7	27.6	150 ft SSE of sand spreader (SMU 13)	11 N
8/24/2007	1430	31.1	30.7	-0.4	200 ft SSE of sand spreader (SMU 13)	11 N
8/24/2007	1430	31.1	22.9	-8.2	250 ft SSE of sand spreader (SMU 13)	11 N
8/27/2007	15:00	22.5	1149.3	1126.8	Discharge of sand spreader (SMU 13)	9 W
8/27/2007	15:00	22.5	110.5	88.0	Inside silt curtain of sand spreader (SMU 13)	9 W
8/27/2007	15:00	22.5	37.5	15.0	0 ft N of sand spreader (SMU 13)	9 W
8/27/2007	15:00	22.5	34.2	11.7	50 ft N of sand spreader (SMU 13)	9 W
8/27/2007	15:00	22.5	32.2	9.7	100 ft N of sand spreader (SMU 13)	9 W
8/27/2007	15:00	22.5	29.3	6.8	150 ft N of sand spreader (SMU 13)	9 W
8/28/2007	14:30	23.9	1211.0	1187.1	Discharge of sand spreader (SMU 14)	13 SSW
8/28/2007	14:30	23.9	154.3	130.4	Inside silt curtain of sand spreader (SMU 14)	13 SSW
8/28/2007	14:30	23.9	93.6	69.7	0 ft N of sand spreader (SMU 14)	13 SSW
8/28/2007	14:30	23.9	81.1	57.2	50 ft N of sand spreader (SMU 14)	13 SSW
8/28/2007	14:30	23.9	47.4	23.5	100 ft N of sand spreader (SMU 14)	13 SSW
8/28/2007	14:30	23.9	45.0	21.1	150 ft N of sand spreader (SMU14)	13 SSW
8/28/2007	14:30	23.9	44.7	20.8	200 ft N of sand spreader (SMU 14)	13 SSW
8/28/2007	14:30	23.9	36.7	12.8	250 ft N of sand spreader (SMU 14)	13 SSW
8/28/2007	14:30	23.9	39.1	15.2	300 ft N of sand spreader (SMU 14)	13 SSW
8/29/2007	12:00	20.4	1121.0	1100.6	Discharge of sand spreader (SMU 14)	10 N
8/29/2007	12:00	20.4	151.8	131.4	Inside silt curtain of sand spreader (SMU 14)	10 N
8/29/2007	12:00	20.4	58.6	38.2	0 ft S of sand spreader (SMU 14)	10 N
8/29/2007	12:00	20.4	26.3	5.9	50 ft S of sand spreader (SMU 14)	10 N
8/29/2007	12:00	20.4	36.6	16.2	100 ft S of sand spreader (SMU 14)	10 N

Date	Time	Background Turbidity (NTU)	Turbidity using Hand-held Meter (NTU)	Elevation of Turbidity Compared to Background (NTU)	Sonde Location	Wind Speed (mph) and Direction
8/29/2007	12:00	20.4	31.7	11.3	150 ft S of sand spreader (SMU 14)	10 N
8/30/2007	15:00	28.8	1112.7	1083.9	Discharge of sand spreader (SMU 16)	3 N
8/30/2007	15:00	28.8	206.8	178.0	Inside silt curtain of sand spreader (SMU 16)	3 N
8/30/2007	15:00	28.8	123.1	94.3	0 ft S of sand spreader (SMU 16)	3 N
8/30/2007	15:00	28.8	62.2	33.4	50 ft S of sand spreader (SMU 16)	3 N
8/30/2007	15:00	28.8	29.1	0.3	100 ft S of sand spreader (SMU 16)	3 N
8/31/2007	0915	9.0	737.8	728.8	Discharge of sand spreader (SMU 16)	calm
8/31/2007	0915	9.0	183.4	174.4	Inside silt curtain of sand spreader (SMU 16)	calm
8/31/2007	0915	9.0	84.4	75.4	0 ft E of sand spreader (SMU 16)	calm
8/31/2007	0915	9.0	13.7	4.7	50 ft NE of sand spreader (SMU 16)	calm

Prepared by: MCC2
Checked by: ECB

Table I-6
Sand Spreading Turbidity and TSS Comparison

Date	Sample Location	Turbidity (NTU)	TSS (mg/l)
8/13/2007	Background	68.1	52.0
8/13/2007	Discharge	122.6	1310.0
8/13/2007	Silt Curtain	307.7	328.0
8/13/2007	0 ft	104.7	40.0
8/13/2007	50 ft	85.5	56.0
8/13/2007	100 ft	98.9	54.0
8/13/2007	150 ft	99.6	50.0
8/13/2007	200 ft	82.3	48.0
8/14/2007	Background	55.1	56.0
8/14/2007	Discharge	1025.0	932.0
8/14/2007	Silt Curtain	401.0	520.0
8/14/2007	0 ft	96.0	120.0
8/14/2007	50 ft	88.4	96.0
8/14/2007	100 ft	47.3	60.0
8/15/2007	Background	49.4	54.0
8/15/2007	Discharge	1202.1	1176.0
8/15/2007	Silt Curtain	453.3	550.0
8/15/2007	0 ft	138.7	102.0
8/15/2007	50 ft	108.3	96.0
8/15/2007	100 ft	77.7	82.0
8/15/2007	150 ft	71.0	68.0
8/15/2007	200 ft	90.4	82.0
8/15/2007	250 ft	76.1	72.0
8/15/2007	300 ft	59.3	56.0
8/17/2007	Background	45.1	56.0
8/17/2007	Discharge	1170.0	868.0
8/17/2007	Silt Curtain	283.0	316.0
8/17/2007	0 ft	154.0	170.0
8/17/2007	50 ft	44.4	86.0
8/17/2007	100 ft	44.2	50.0
8/27/2007	Background	22.5	30.0
8/27/2007	Discharge	1149.3	480.0
8/27/2007	Silt Curtain	110.5	142.0
8/27/2007	0 ft	37.5	60.0
8/27/2007	50 ft	34.2	32.0
8/27/2007	100 ft	32.2	52.0
8/27/2007	150 ft	29.3	46.0
8/28/2007	Background	23.9	34.0
8/28/2007	Discharge	1311.0	744.0
8/28/2007	Silt Curtain	159.3	246.0
8/28/2007	0 ft	93.6	110.0
8/28/2007	50 ft	81.1	48.0
8/28/2007	100 ft	47.4	50.0
8/28/2007	150 ft	45.0	62.0
8/28/2007	200 ft	44.7	56.0
8/28/2007	250 ft	36.7	60.0

Date	Sample Location	Turbidity (NTU)	TSS (mg/l)
8/28/2007	300 ft	39.1	48.0
8/29/2007	Background	20.4	30.0
8/29/2007	Discharge	1121.0	848.0
8/29/2007	Silt Curtain	152.8	274.0
8/29/2007	0 ft	58.6	62.0
8/29/2007	50 ft	26.3	44.0
8/29/2007	100 ft	36.6	42.0
8/29/2007	150 ft	31.3	42.0
8/30/2007	Background	28.8	12.0
8/30/2007	Discharge	1112.7	824.0
8/30/2007	Silt Curtain	206.8	254.0
8/30/2007	0 ft	123.1	96.0
8/30/2007	50 ft	62.6	12.0
8/30/2007	100 ft	29.1	12.0
8/31/2007	Background	9.0	12.0
8/31/2007	Discharge	737.8	712.0
8/31/2007	Silt Curtain	183.4	284.0
8/31/2007	0 ft	84.4	118.0
8/31/2007	50 ft	13.7	20.0

NTU = Nephelometric Turbidity Unit
ft = feet

Prepared by: MCC2
Checked by: ECB