

US EPA ARCHIVE DOCUMENT

Meeting Ground Rules

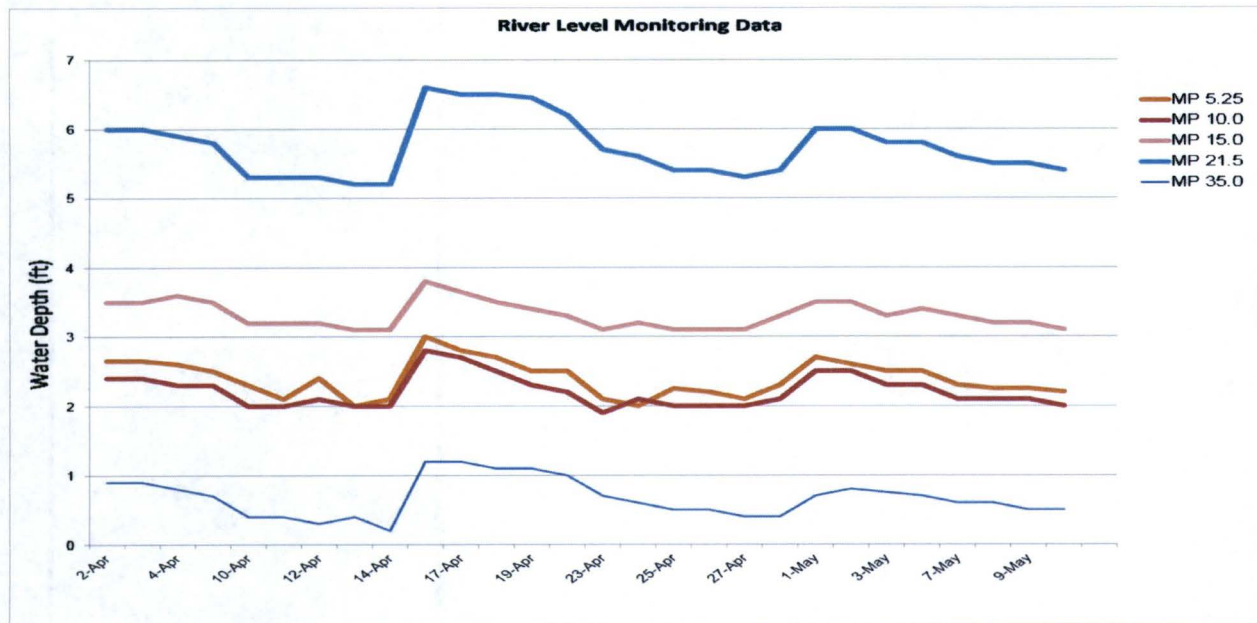
- Be courteous and silence/put away your electronic devices.
- Adhere to meeting agenda
- One conversation at a time
- Hold all questions until the speaker has finished with the presentation



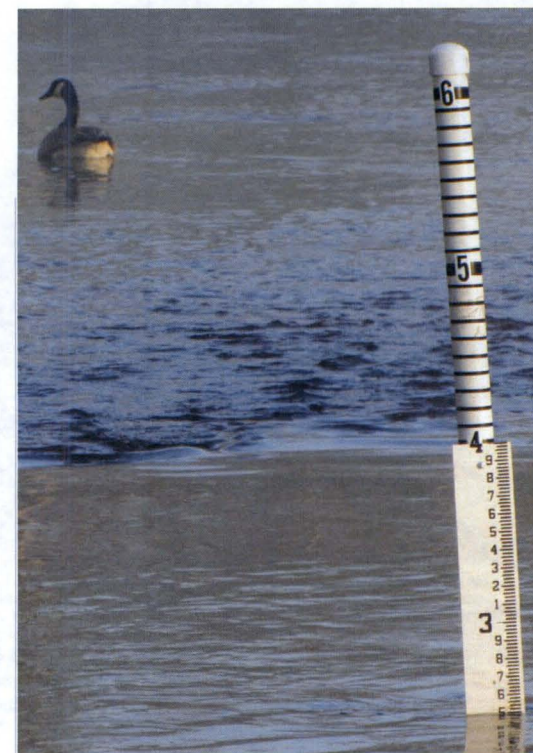
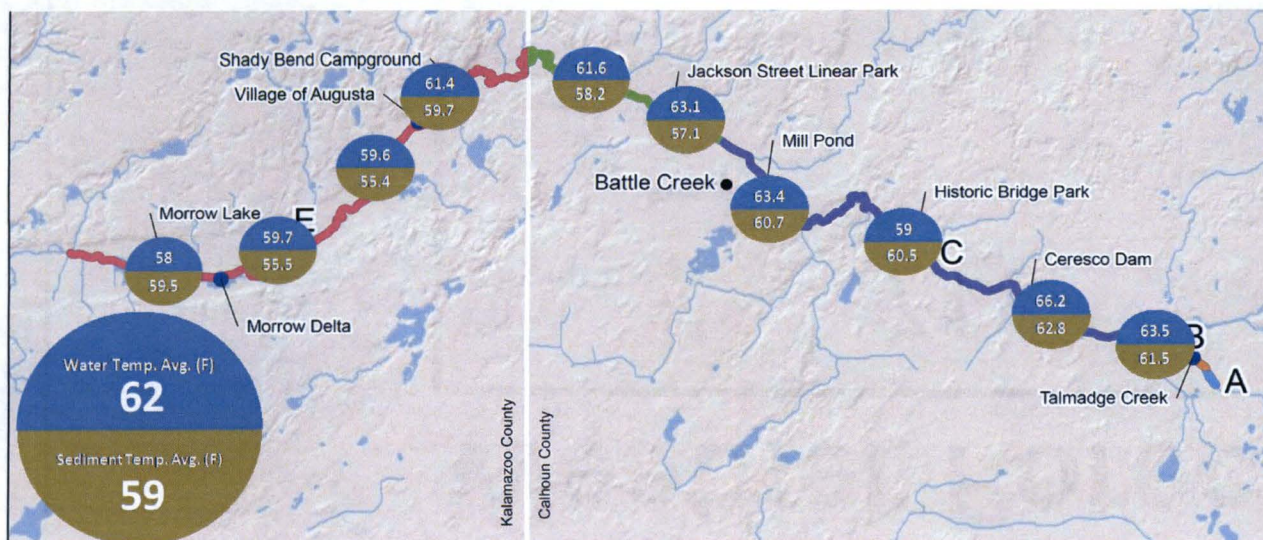
Situation Report

May 11, 2012

Water Conditions

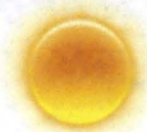


DISCHARGE RATES (cfs)		
	5/10	5/9
Marshall, MI	433	430
Historical Median	358	352
Battle Creek, MI	805	850
Historical Median	796	715



Weather Forecast

Fri
May 11



Sunny

71° 54°

CHANCE OF RAIN:
0%

Sat
May 12



Showers

69° 49°

CHANCE OF RAIN:
40%

Sun
May 13



Partly Cloudy

68° 45°

CHANCE OF RAIN:
10%

Mon
May 14



Sunny

72° 49°

CHANCE OF RAIN:
0%

Science Group Status

Data Collection	Data Compilation	Submittal
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Submerged Oil Science Group

Reassessment

Spring 2012 Sub Oil Reassessment	E		Began 5/7
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Hydrodynamic Assessment & Modeling

Sensitivity Testing		4/6	
Run Modified Scenarios		4/6	
Summary Report		4/20	

Submerged Oil Quantification

Fall 2011		E	
Spring 2012 (pre-recovery)	E		
Fall 2012 (post-recovery)	E		

- denotes status updates since the last report



E Enbridge



Complete or N/A



() Denotes Due Date

Science Group Status

Data Collection	Data Compilation	Submittal
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Overbank Science Group

Reassessment

Spring 2012 Shoreline and Overbank Reassessment			
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Containment Science Group

Evaluate placement of containment

Hec-Ras Modeling	12/5	1/9	1/26	
Hydraulic Calculations	1/10	1/23	1/26	
2D Hydrodynamic Model		2/13	E	Further scenarios
Monitoring and Management Plan	1/24	1/25	2/27	

Implementation of passive sediment collection devices

Location selection				
Design review				
Installation			E	
Post-installation review				
Design adjustments				

- denotes status updates since the last report



Enbridge



Complete or N/A



Denotes Due Date

Remediation Progress

Location	SCIENCE					COMPLIANCE		RECOVERY	MONITORING	Comments
	RI Work Plan	Plan Review	Investigation	Data Compilation	Presentation to OSCAR	Remediation Work Plan	Remed. Plan Review	Permit Application	Permit Review	
Submerged Oil										
Walling Structure							3/16	3/27	4/14	
Suboil Toolbox							4/20	A		
Containment										
MP 3.25 R1						4/25	A	E		SSD Only
Ceresco Dam						4/25	A	E		SSD Only
MP 10.40 N						4/25	A	E		SSD Only
MP 10.50 L2						4/25	A	E		*
MP 10.75 LDB						4/25	A	4/3	4/26	5/8
14.75 RDB						4/25	A	4/3	4/26	5/8
19.25 LDB						4/25	A	4/3	4/26	5/8
21.50 RDB						4/25	A	4/3	4/26	5/8
MP 26.00 RDB						4/25	A	E		
28.25 RDB						4/25	A	4/3	4/26	5/8
MP 33.00 A						4/25	A	E		SSD Only
MP 33.00 B						4/25	A	E		*
Delta A						4/25	A	E		*
Delta Z						4/25	A	E		SSD Only
36.1 NW						4/25	A	4/3	4/26	5/8
37.75 Islands						4/25	A	E		SSD Only
Control Points (3)								3/21	3/23	4/5
OB 8.48 LDB						5/1	A	E		Structure
SO 11.21						E			↶	
OB 11.79 LDB						5/1	A	E		Structure
SO 26.25						E			↶	

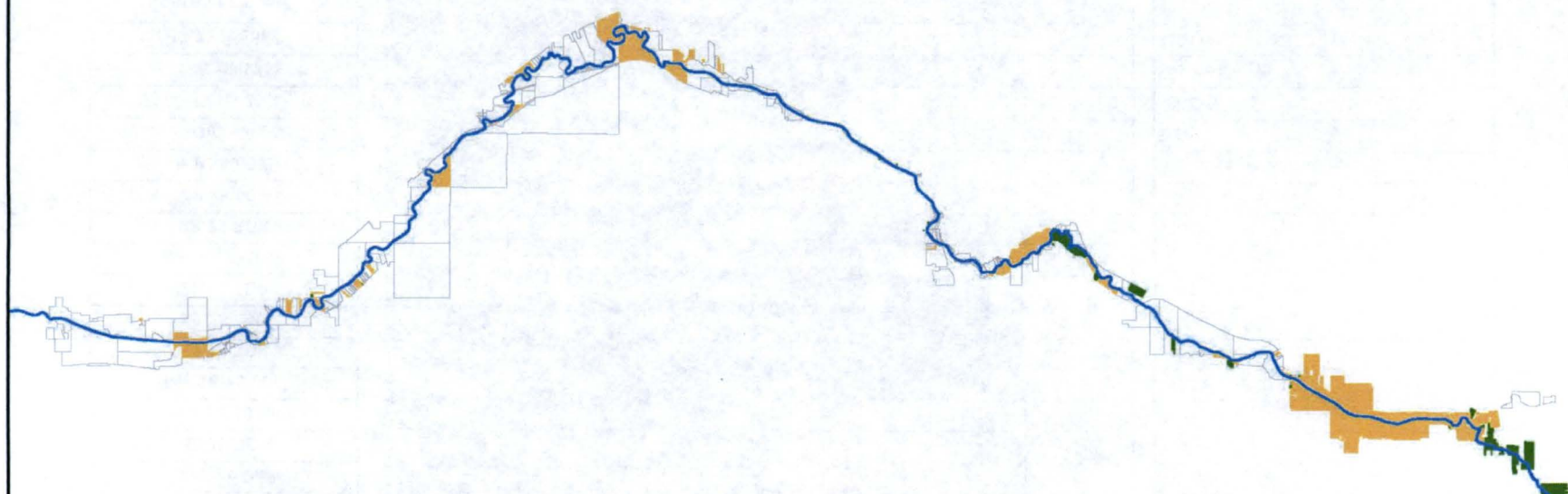
• denotes sites with status updates since the last report

E Enbridge / In development
 A In Agency Review
 () Denotes Due Date

Complete or N/A
 ↶ Revisit Previous Phase

Remediation Progress

Remedial Investigation



Legend

- RI In Progress 30.89%
- ROW Access Obtained 35.50%
- No Progress

Updated: May 7, 2012

Daily Progress Tracking

Personnel / Resources Deployed

	5/9/2012	5/8/2012
Kalamazoo River System	42	31
Containment	12	14
Submerged Oil	43	30
Overbank	7	19
River Opening	1	1
Waste Management	19	22
Security & Flaggers	5	5
Operations Center	44	45
Comm. Centers	3	3
EPA	3	3
EPA Contractors	25	25
Other Agencies	1	1
DEQ	6	6
DEQ Contractors	8	9
TOTAL	219	214

	5/9/2012	5/8/2012
Vac & Tanker Trucks	0 0	0 0
Frac Tanks	0 0	0 0
Boats**	30 0	28 0
Yellow Iron***	5 0	5 0
Roll-Off Boxes	0 0	4 0
Boom Locations	14	14
Boom in River (ft)	5,425 0	5,425 0

**Boats - Air Boats, Jon Boats & Pontoon Boats

*** Yellow Iron - Articulating dump trucks, bobcats, bulldozers, excavators, front end loaders, skid steers, gac system, marookas, forklifts, marsh buggies, water trucks

Facility Sites



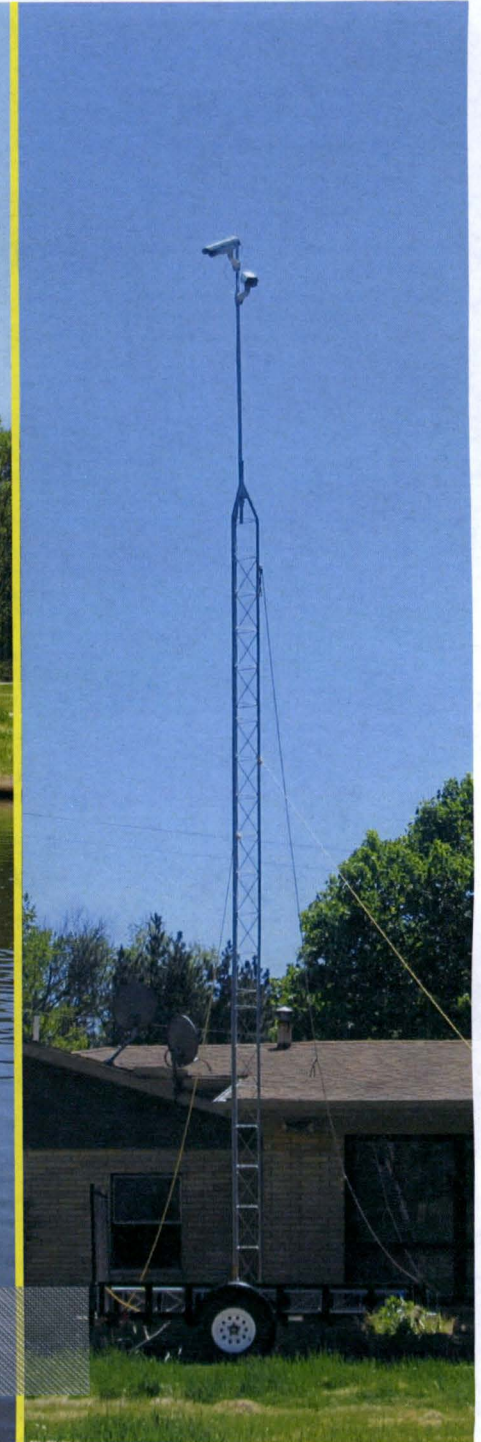
- 148 CY in cells
- 780 gal water
- 4 Roll offs



Upstream of Confluence 5/10



Confluence 5/10

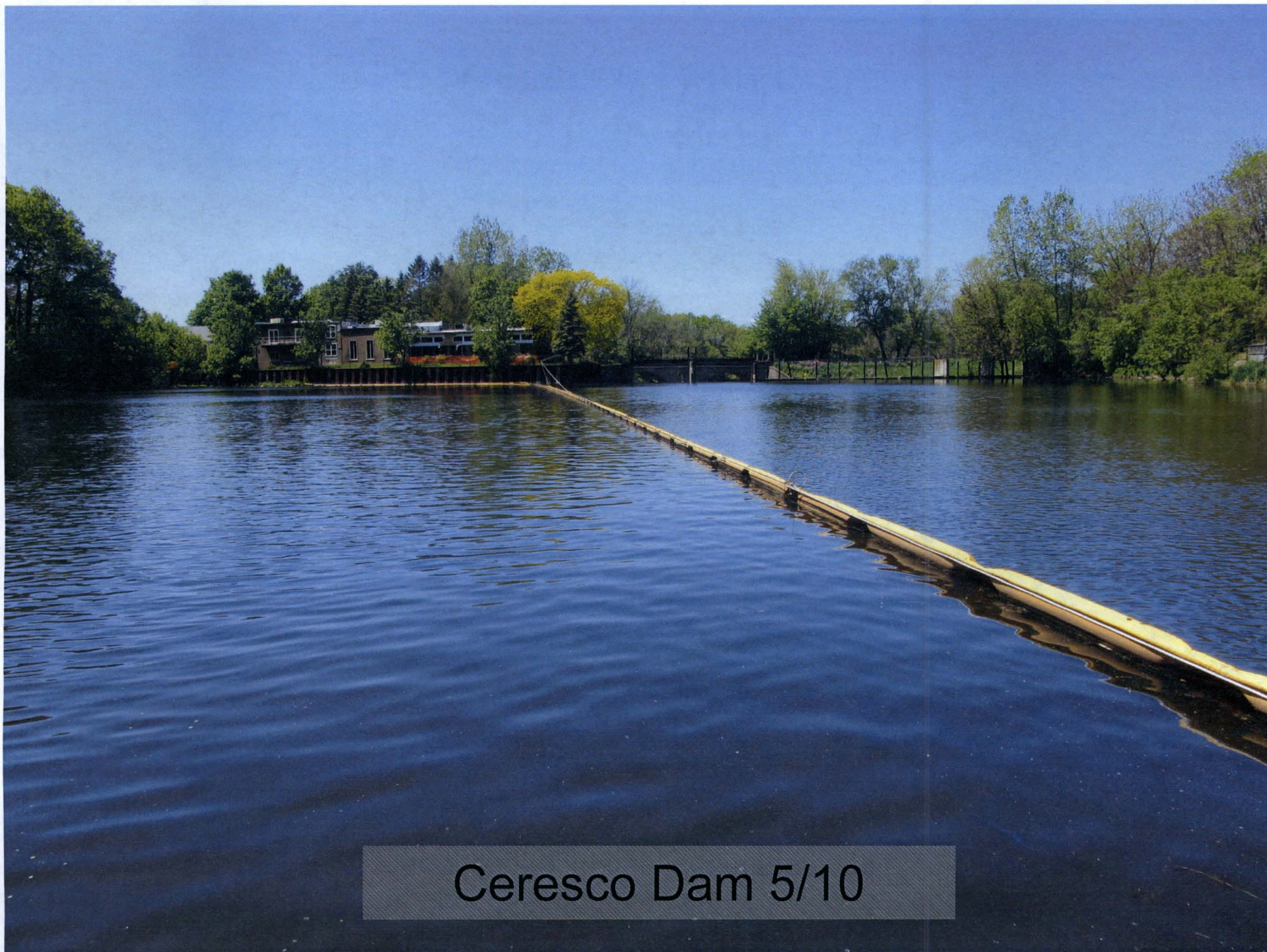




MP 10.75 5/10



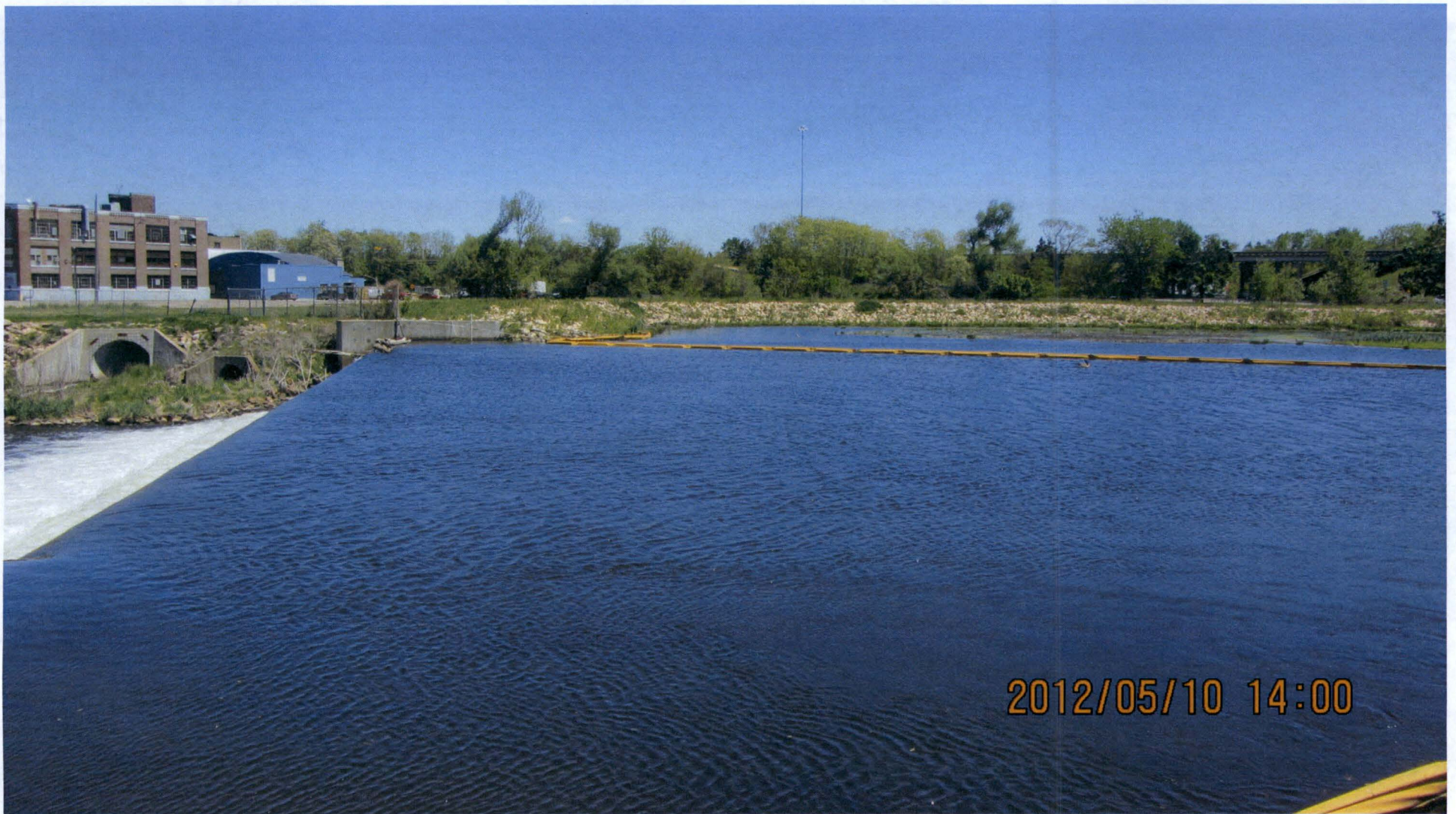
MP 5.75 5/10



Ceresco Dam 5/10



Ceresco Dam 5/10



Battle Creek Dam 5/10



Rock Tenn 5/10



E4 5/10



E4 5/10



2012/05/10 13:33

Morrow Lake 5/10



E4 5/10



2012/05/10 13:39

Morrow Lake 5/10

Command & General Staff Updates for UC

- Planning Section
- Logistics Section
- Operations Section
- Safety Officer
- Public Information Officer

Closing Remarks

- Enbridge
- DEQ
- US EPA