

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

April 24, 2012

Science Group Status

Data Collection	Data Compilation	Submittal
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Submerged Oil Science Group

Reassessment

Spring 2012 Sub Oil Reassessment	E			Temperature dependent, Morrow Lake, Confluence to Saylor's
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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



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

Flood Plain Hec Ras

Monitoring and Management Plan

1/24

1/25

2/27

Implementation of passive sediment collection devices

Location selection

Design review

Installation

Post-installation review

Design adjustments

		E

- denotes status updates since the last report



Enbridge



Complete or N/A



() Denotes Due Date

Remediation Progress

Location

Overbank

OB 14.98 I
OB 5.92 RDB
OB 13.40 LDB
OB 8.97 I
OB 9.10 LDB
OB 10.37 RDB

SCIENCE				COMPLIANCE				RECOVERY	MONITORING	
RI Work Plan	Plan Review	Investigation	Data Compilation	Presentation to OSCAR	Remediation Work Plan	Remed. Plan Review	Permit Application	Permit Review	Execution	Completion Check

Comments

			10/17	10/15	9/28	10/10	11/18	E	
			12/1	12/8	11/4	12/1	1/25	E	
			12/22	2/7	12/21	2/9	2/23	E	
		12/15	2/17	2/24	1/25	2/24	3/23	E	
		1/5	2/17	2/24	1/25	2/24	3/16	E	
		1/12	2/17	2/24	1/25	2/24	3/22	E	

Submerged Oil

Walling Structure
Suboil Toolbox

				3/16	3/27	4/14	
				4/20	A		

Containment

Submerged Structures I(6)
Submerged Structures II(12)
Control Points (3)
OB 8.48 LDB
SO 11.21
OB 11.79 LDB
SO 26.25

	E	↶	4/3	A		
	E	↶	E			
			3/21	3/23	4/5	
	E		E			
	E		E			
	E		E			
	E		E			

• denotes sites with status updates since the last report

E Enbridge / In development

A In Agency Review

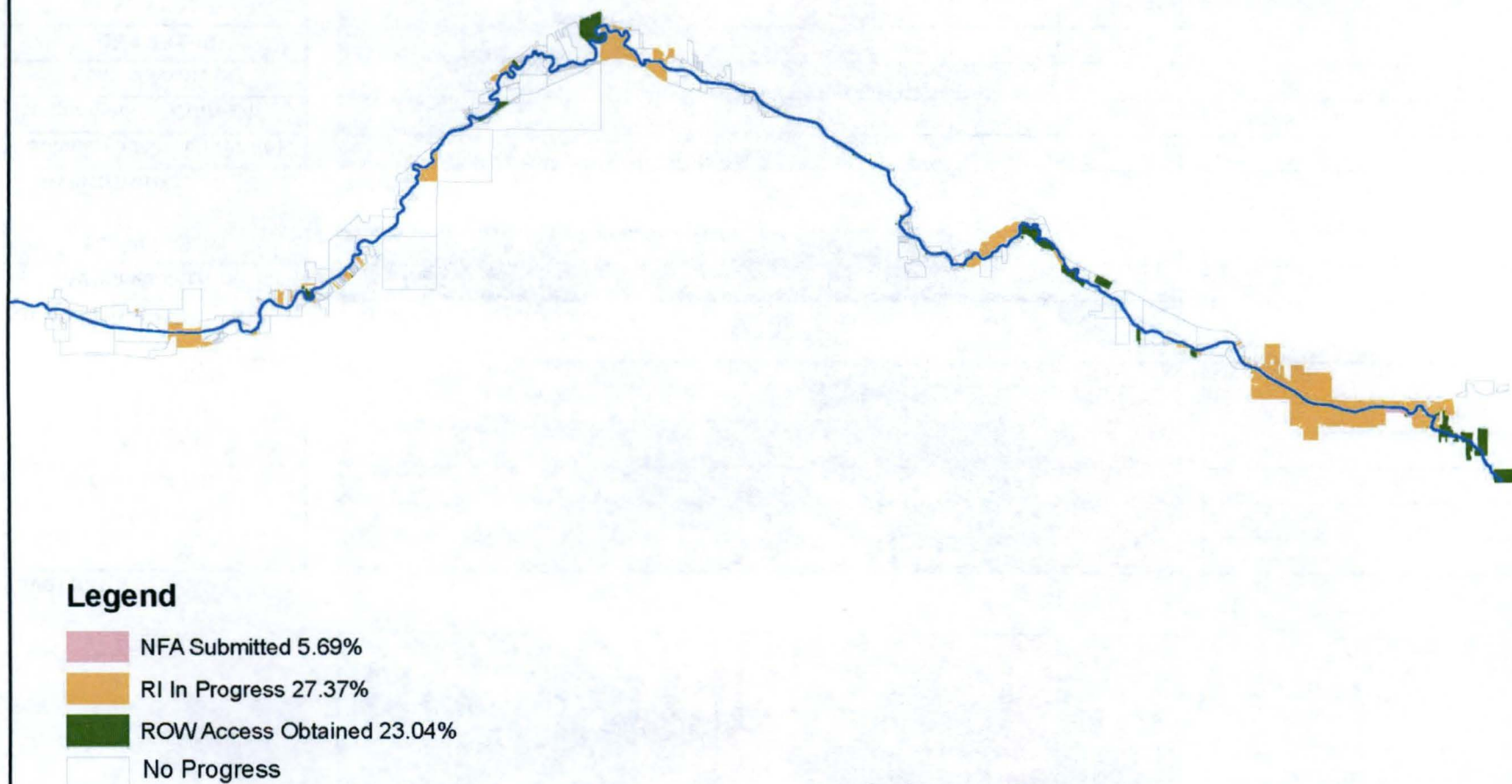
() Denotes Due Date

Complete or N/A

↶ Revisit Previous Phase

Remediation Progress

Remedial Investigation



Daily Progress Tracking

Personnel / Resources Deployed

	4/23/2012	4/22/2012
Kalamazoo River System	27	2
Containment	18	0
Submerged Oil	2	0
Overbank	4	0
River Opening	1	1
Waste Management	24	0
Security & Flaggers	5	4
Operations Center	44	2
Comm. Centers	3	0
EPA	1	0
EPA Contractors	16	0
Other Agencies	0	0
DEQ	6	0
DEQ Contractors	5	0
TOTAL	156	9

	4/23/2012	4/22/2012
Vac & Tanker Trucks	0 0	0 0
Frac Tanks	0 0	0 0
Boats**	11 0	0 0
Yellow Iron***	1 0	0 0
Roll-Off Boxes	4 0	5 0
Boom Locations	14	14
Boom in River (ft)	5,225 0	5,225 0

Facility Sites



- 3 CY in cells
- 250 gal water
- 4 Roll offs



FTC 4/23



FTC 4/23



Talmadge Creek 4/23



Talmadge Creek 4/23



04/23/2012 08:09

Ceresco Dam MP 5.75 4/23

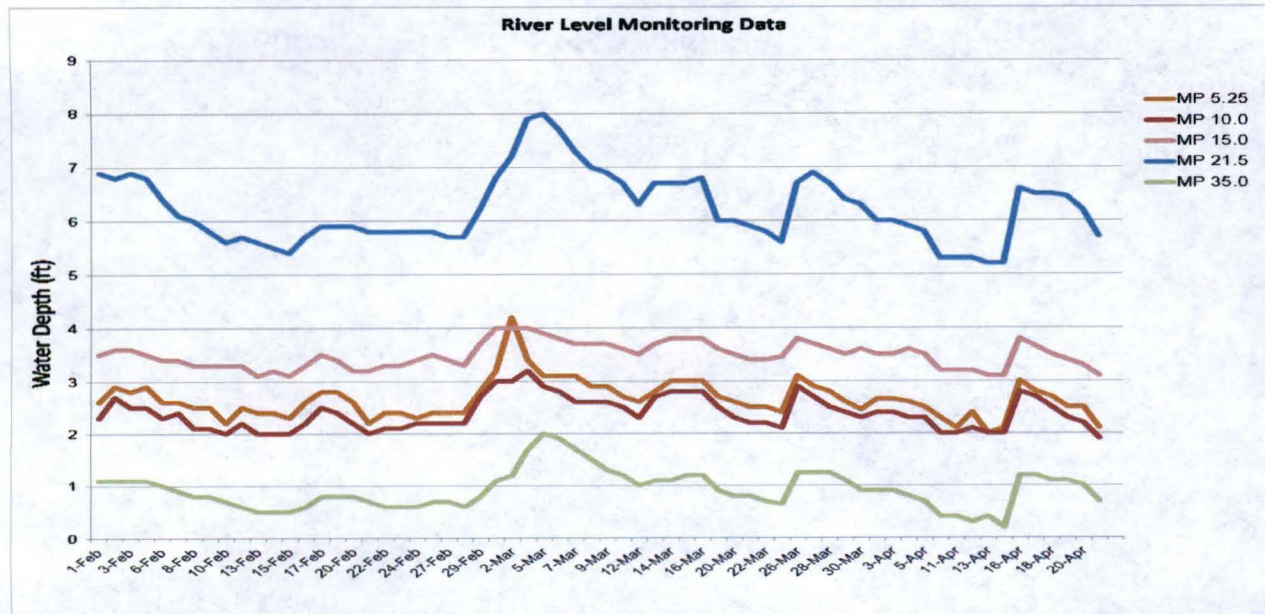


MP 37.75; E4 4/23

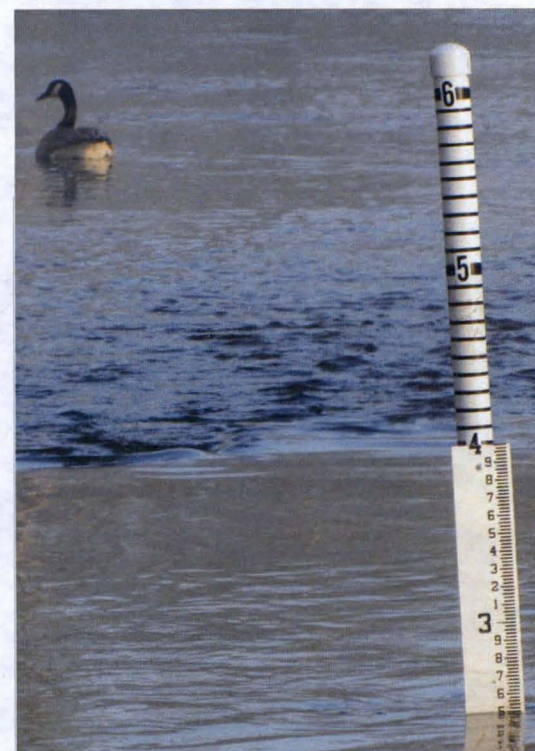
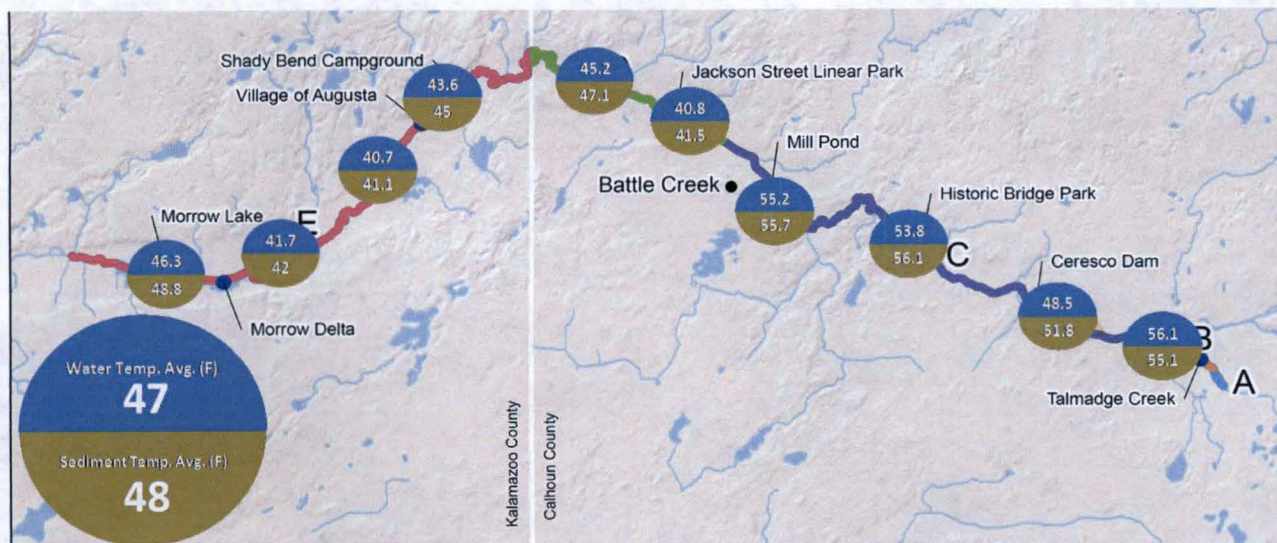


MP 37.75; E4 4/23

Water Conditions



DISCHARGE RATES (cfs)		
	4/21	4/20
Marshall, MI	414	456
<i>Historical Median</i>	435	422
Battle Creek, MI	859	1080
<i>Historical Median</i>	879	911



Weather Forecast

Tue 24	Wed 25	Thu 26	Fri 27
			
Partly Cloudy / Wind	Mostly Cloudy	Partly Cloudy	Partly Cloudy
56° High	62° High	54° High	58° High
39° Low	49° Low	32° Low	42° Low
Chance of Rain: 10%	Chance of Rain: 10%	Chance of Rain: 10%	Chance of Rain: 10%

Command & General Staff Updates for UC

Closing Remarks

- Enbridge
- DEQ
- US EPA