

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 1, 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 Delta, 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	Sensitivity Calculation
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



Oil Fingerprinting 4/26



Oil Fingerprinting 4/26

Remediation Progress

Location

Submerged Oil

Walling Structure
Suboil Toolbox

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

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

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	

		4/25	A	4/3	4/26	E	
		4/25	A	4/30	A		
				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

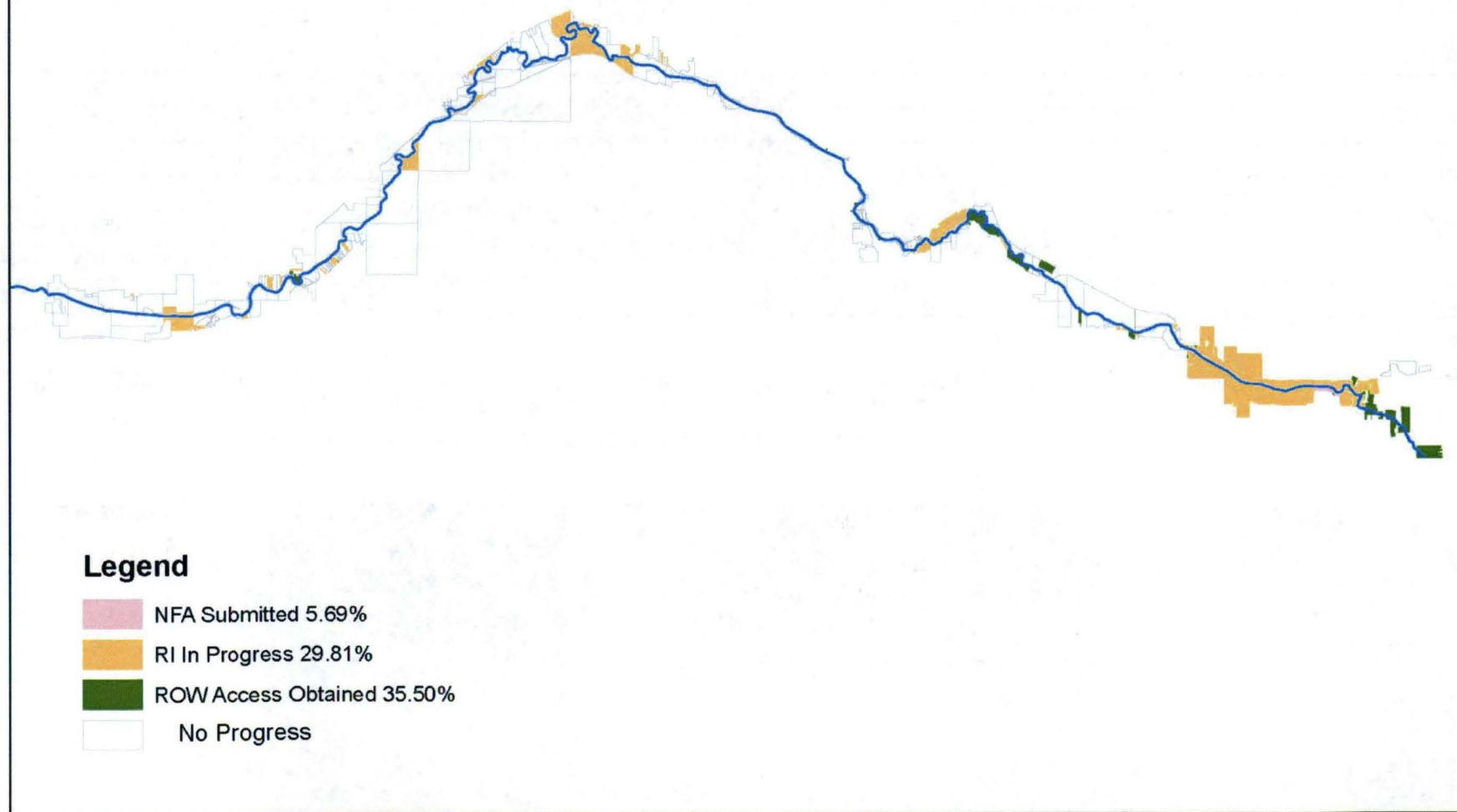
() Denotes Due Date

Complete or N/A

↶ Revisit Previous Phase

Remediation Progress

Remedial Investigation



Daily Progress Tracking

Personnel / Resources Deployed

	4/30/2012	4/29/2012
Kalamazoo River System	36	0
Containment	11	0
Submerged Oil	2	0
Overbank	7	0
River Opening	1	1
Waste Management	19	0
Security & Flaggers	5	4
Operations Center	44	0
Comm. Centers	4	0
EPA	2	0
EPA Contractors	17	0
Other Agencies	0	0
DEQ	5	0
DEQ Contractors	4	0
TOTAL	157	5

	4/30/2012	4/29/2012
Vac & Tanker Trucks	0 0	0 0
Frac Tanks	0 0	0 0
Boats**	12 0	0 0
Yellow Iron***	7 0	0 0
Roll-Off Boxes	4 0	4 0
Boom Locations	14	14
Boom in River (ft)	5,425 0	5,425 0

Facility Sites



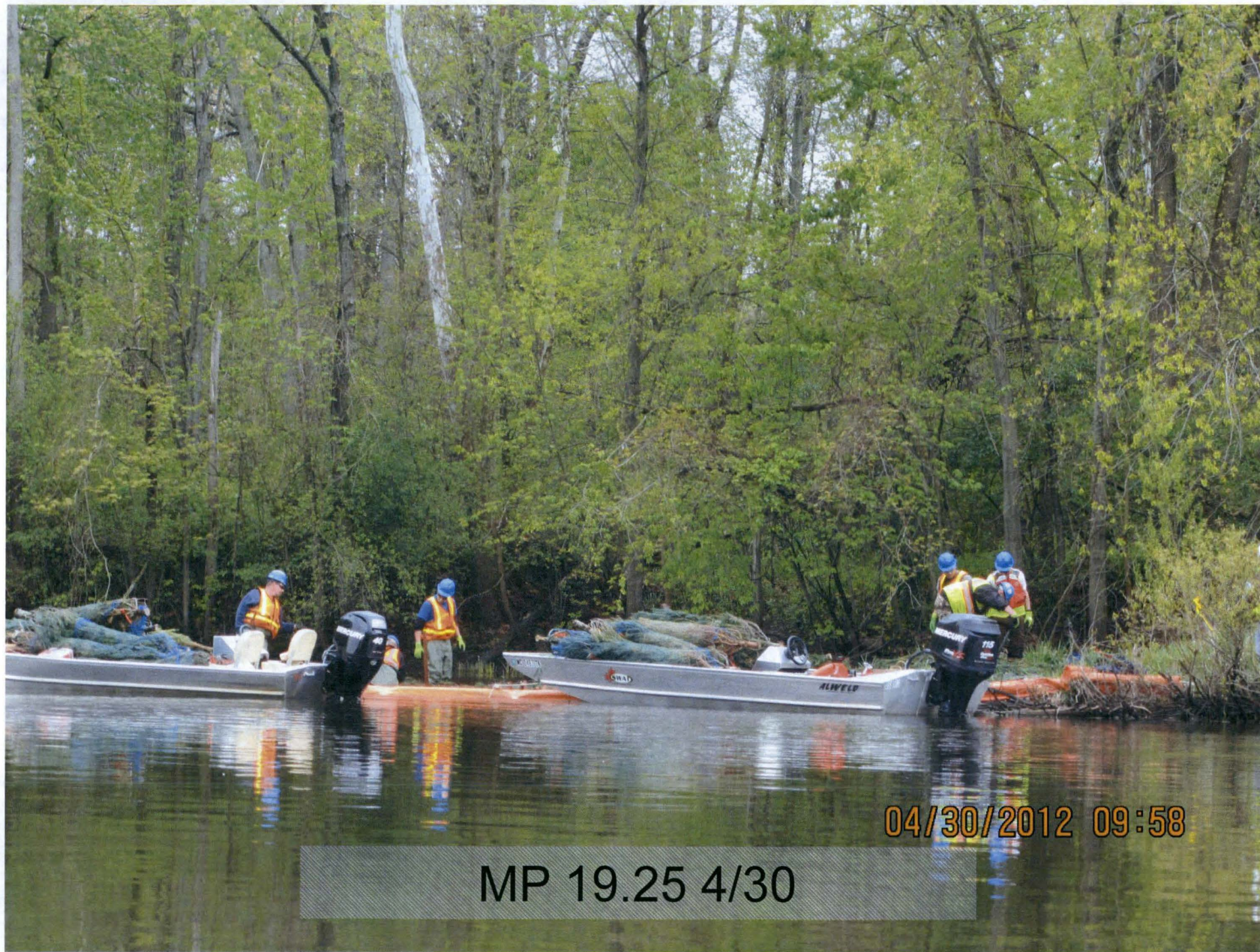
- 5 CY in cells
- 575 gal water
- 4 Roll offs



FTC 4/27



C3.2 4/30



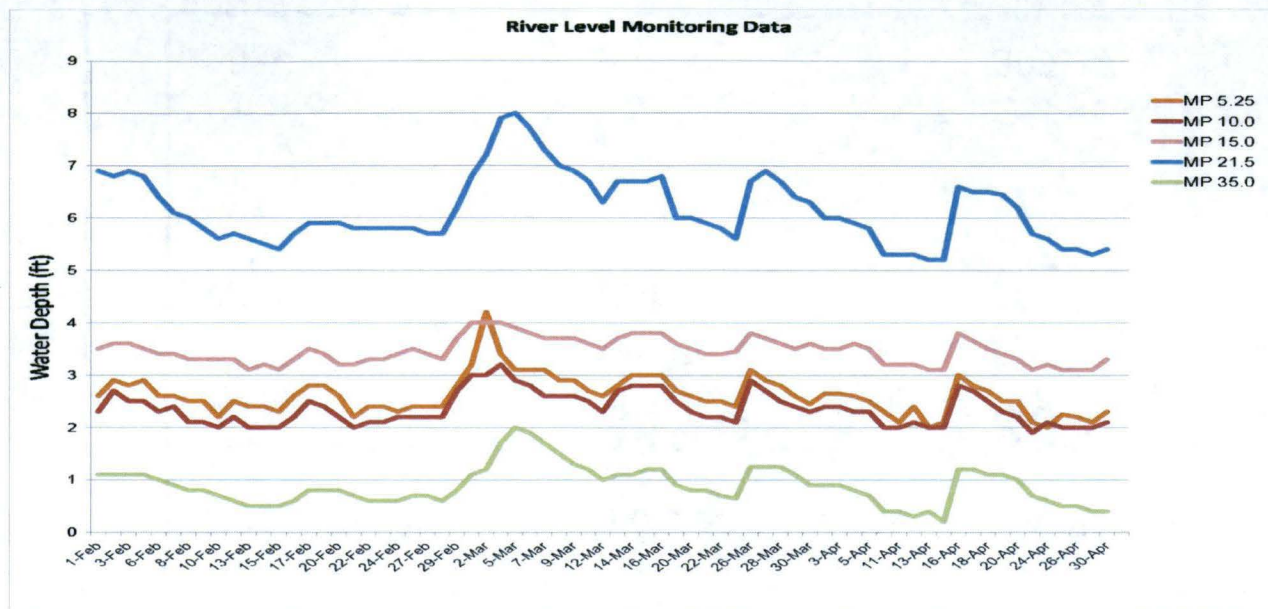
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MP 19.25 4/30

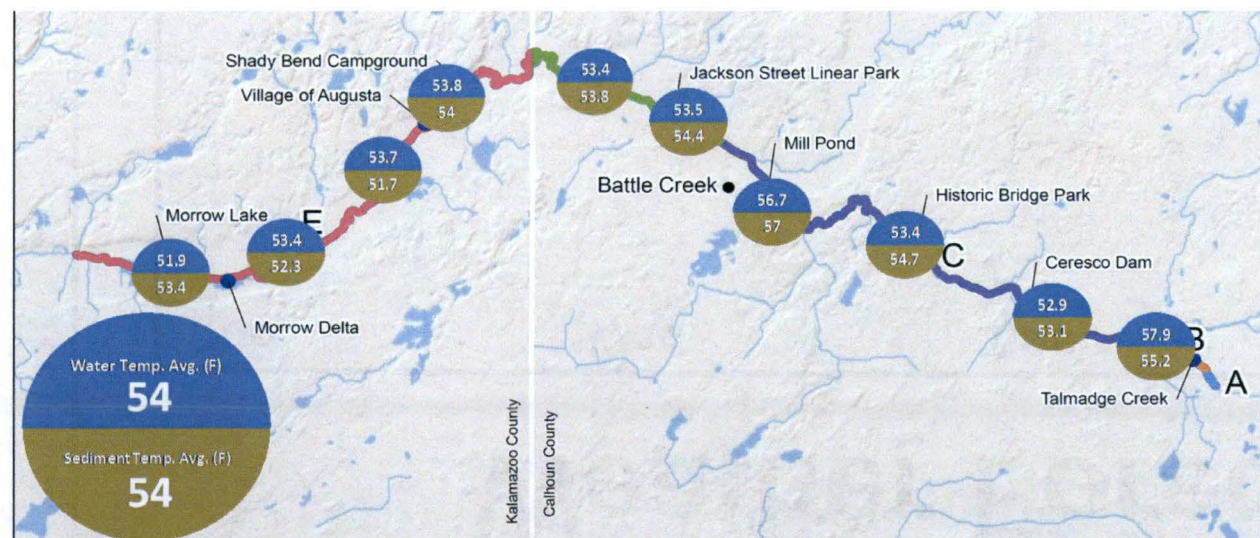
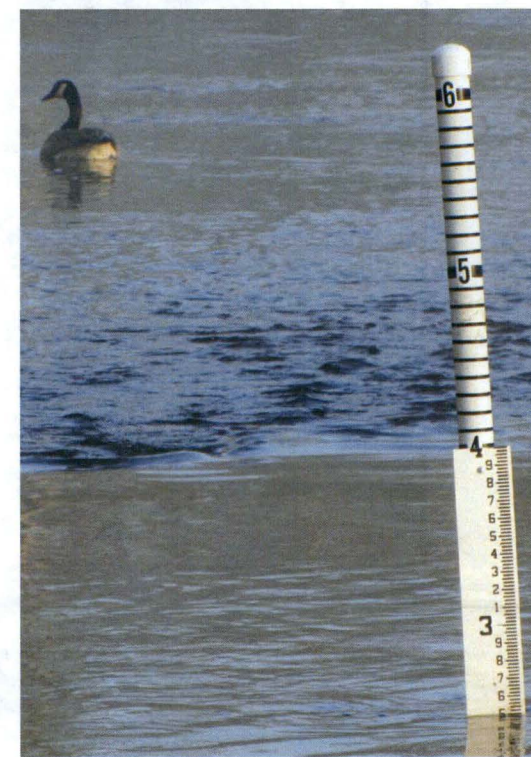


MP 20.0 4/27

Water Conditions



DISCHARGE RATES (cfs)		
	4/30	4/27
Marshall, MI	460	424
Historical Median	492	449
Battle Creek, MI	797	750
Historical Median	872	935



Weather Forecast

Tue May 1	Wed 2	Thu 3	Fri 4
			
Mostly Sunny	Isolated T-Storms	Isolated T-Storms	Isolated T-Storms
75° High	81° High	80° High	78° High
57° Low	64° Low	62° Low	62° Low
Chance of Rain: 20%	Chance of Rain: 30%	Chance of Rain: 30%	Chance of Rain: 30%

Command & General Staff Updates for UC

Closing Remarks

- Enbridge
- DEQ
- US EPA