

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
March 9, 2012**

Science Group Status

Data Collection	Data Compilation	Submittal
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Submerged Oil Science Group		
Reassessment		
Spring 2012 Sub Oil Reassessment		
Hydrodynamic Assessment & Modeling		
Bathymetry and terrain data		12/9
Model Grid setup and QC		12/16
Configuration for flow and velocity		12/30
Analysis of sediment samples and cohesion data		1/13
Complete configuration including sediment processes		1/27
Model calibration		2/10
Preliminary and baseline model scenarios		2/24 Reviewed 2/22 and 2/23 in Atlanta Ga.
Model flow events and changes in river conditions		(3/23)
Temperature Effects Study		
Sediment sample location selection and collection		12/19
Conduct temperature study		1/11
Compile, evaluate, and present results	E	Initial Report of findings submitted 2/20; Continue additional temp. Study
Submerged Oil Quantification		
Fall 2011	E	Reviewing potential for 3 alt. methods for suboil quant
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	E		

Containment Science Group

Evaluate placement of containment

Hec-Ras Modeling	12/5	1/9	1/26	6 locations for modeling and installation
Hydraulic Calculations	1/10	1/23	1/26	Active sed. struct. permit application submitted
3D Hydrodynamic Model		2/13	E	21 locations Changed from 4 to 21
Monitoring and Management Plan	1/24	1/25	2/27	Submitted - 2/27/12

Evaluate methods for installation and removal of containment				Doc. Review complete
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Selection of passive sediment collection devices	E			Permit for passive structures submitted 2/2
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Implementation of passive sediment collection devices

Location selection				Pending completion of hydrodynamic model
Design review				
Installation				
Post-installation review				
Design adjustments				

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Complete or N/A



Denotes Due Date

Remediation Progress

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

Location

Comments

Overbank

Location	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
OB 14.98 I						10/17	10/15	9/28	10/10	11/18	E	
OB 5.92 RDB						12/1	12/8	11/4	12/1	1/25	E	
OB 13.40 LDB						12/22	2/7	12/21	2/9	2/23	E	Execution completed 2/23
OB 8.97 I					12/15	2/17	2/24	1/25	2/24	E		Execution started 2/27
OB 9.10 LDB					1/5	2/17	2/24	1/25	2/24	E		Execution schedule to start 3/6
OB 10.37 RDB					1/12	2/17	2/24	1/25	2/24	E		Execution schedule to start 3/15

Submerged Oil

Location	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
SO 9.00										E		

Containment

Location	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
Submerged Structures I(6)						1/27	A	1/26	A			Name Changed 2/21 / Execution to complete 3/31
Submerged Structures II(12)						2/27	A	E				Remediation WP Completed 2/27

• 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

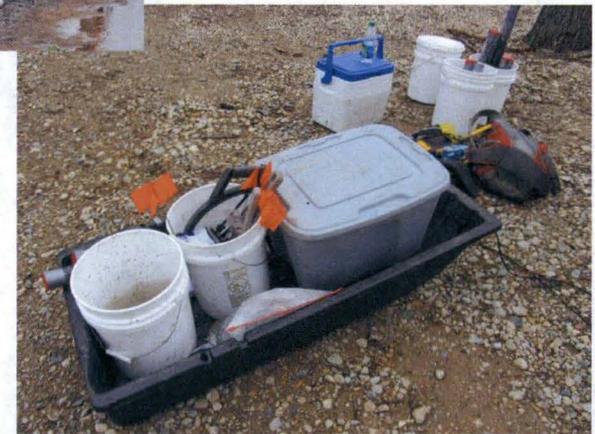
Facility Sites

- 287 CY in cells
- 9,600 gal water
- 9 Roll offs



Significant Activities

- **Overbank:**
 - MP 2.0 Confluence
 - OB 8.97 I
- **Talmadge Creek**
 - Demobilization
- **RI:**
 - MP 2.25 – MP 3.14





Confluence 3/8



Confluence 3/8



Confluence 3/8



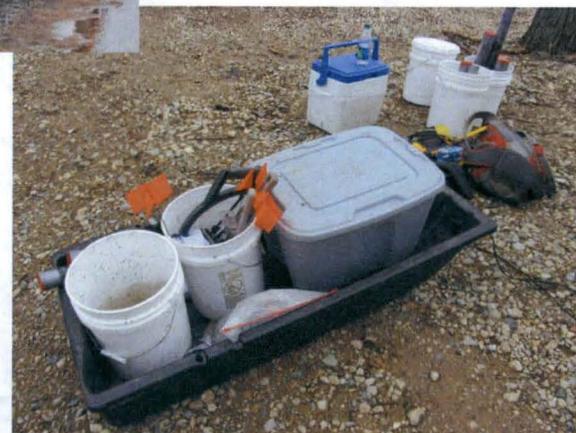
Confluence 3/8



Confluence 3/8

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Talmadge Creek 3/1



Talmadge Creek 3/1



Talmadge Creek 3/8



Talmadge Creek 3/8



Talmadge Creek 3/8



Talmadge Creek 3/8



Talmadge Creek 3/8

Daily Progress Tracking

Personnel Count

	3/7/2012	3/6/2012	3/5/2012	3/4/2012	3/3/2012	3/2/2012	3/1/2012
Talmadge Creek Remediation	64	71	77	6	75	74	84
Kalamazoo River Remediation	17	16	16	0	2	13	15
Containment	8	8	9	2	2	7	7
Submerged Oil	8	7	7	0	5	7	8
Overbank	22	22	19	2	20	29	30
Waste Management	31	31	30	2	17	28	28
Security & Flaggers	11	11	11	7	10	11	11
Operations Center	57	59	58	6	15	57	60
Comm. Centers	8	8	7	3	3	9	9
EPA	3	2	1	0	1	1	3
EPA Contractors	21	22	19	3	13	13	19
Other Agencies	2	2	0	0	0	0	0
DEQ	13	6	6	0	0	7	7
DEQ Contractors	7	5	5	0	3	7	7
TOTAL	272	270	265	31	166	263	288

Daily Progress Tracking

Resources Deployed / Decon

		3/6/2012	3/5/2012	3/4/2012	3/3/2012	3/2/2012	3/1/2012	2/29/2012
Vac & Tanker Trucks	2 0	2 0	2 0	0 0	1 0	2 0	2 0	2 0
Frac Tanks	9 1	7 1	9 0	0 0	5 0	10 0	10 0	10 0
Boats**	5 0	5 0	4 0	0 0	2 0	4 0	12 1	10 0
Yellow Iron***	16 0	19 0	25 2	0 0	26 0	26 2	24 0	37 2
Roll-Off Boxes	9 0	9 0	9 0	0 0	9 0	9 0	9 0	9 0
Boom Locations	10	10	10	10	10	10	12	12
Boom in River (ft)	1,950 0	1,950 0	1,950 0	1,950 0	1,950 0	1,950 200	2,050 0	2,050 0

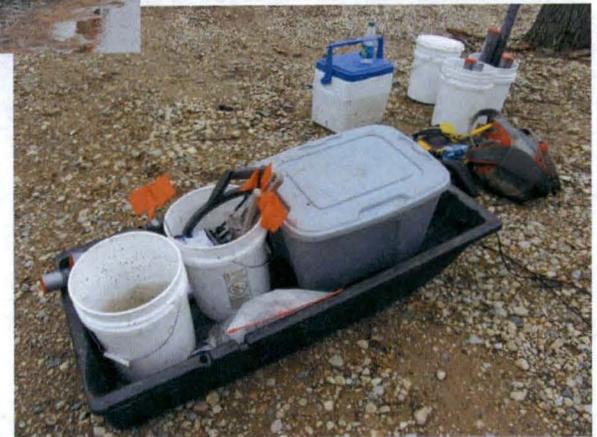


**Boats - Air Boats, Jon Boats & Pontoon Boat

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

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Remediation Progress

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Location

Comments

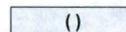
Kalamazoo River Remediation Branch

OB 8.48 LDB			E	↶							Compiling Data to evaluate need to collect additional samples
MP 2.25 to MP 3.14			E	↶							Collecting additional samples / Revisiting week of 2/27
MP 3.14 to MP 5.80			E	↶							Collecting additional samples / Revisiting week of 3/5
MP 5.80 to MP 11.00			E								Investigation
MP 13.0	1/20		E	↶							Collecting additional samples / Revisiting week of 2/27
MP 11.00 to Morrow Lake	2/7	3/1	E								Plan submitted and approved 3/1

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 Enbridge / In development

 In Agency Review

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 Revisit Previous Phase



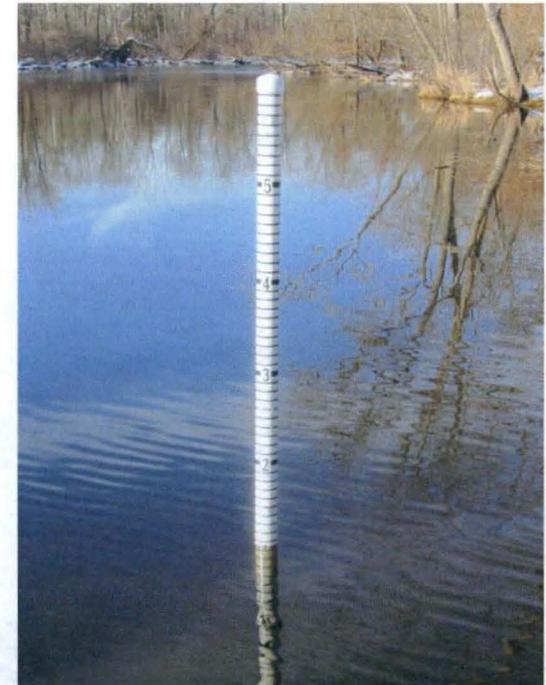
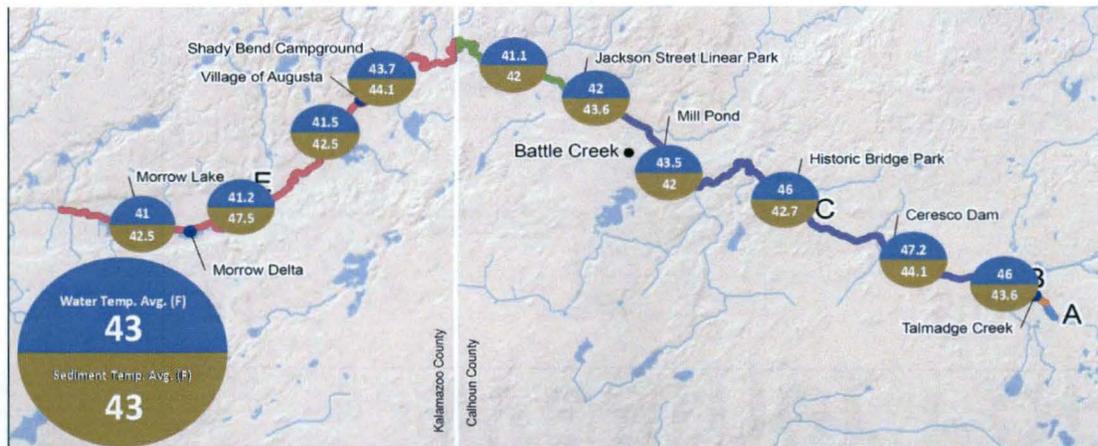
Sediment Cores 3/7

Munsell
SOIL-COLOR

Water Conditions



DISCHARGE RATES (cfs)		
	03/06	03/07
Marshall, MI	760	720
<i>Historical Median</i>	423	425
Battle Creek, MI	1760	1520
<i>Historical Median</i>	910	910



Weather Forecast

Fri 9	Sat 10	Sun 11	Mon 12
			
Partly Cloudy	Sunny	Cloudy	Showers
32° High	49° High	54° High	59° High
22° Low	35° Low	48° Low	49° Low
Chance of Precip: 20%	Chance of Rain: 0%	Chance of Rain: 20%	Chance of Rain: 40%

Command & General Staff Updates for UC

Closing Remarks

- Enbridge
- DEQ
- US EPA