

US EPA ARCHIVE DOCUMENT

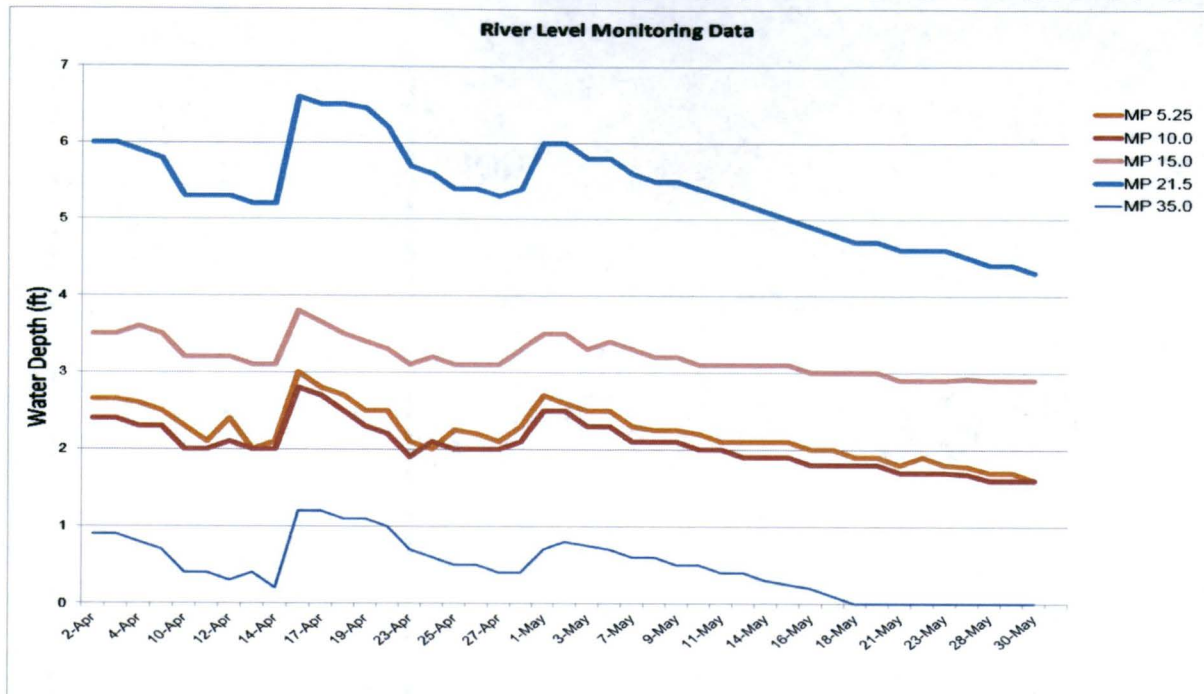
Meeting Ground Rules

- 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

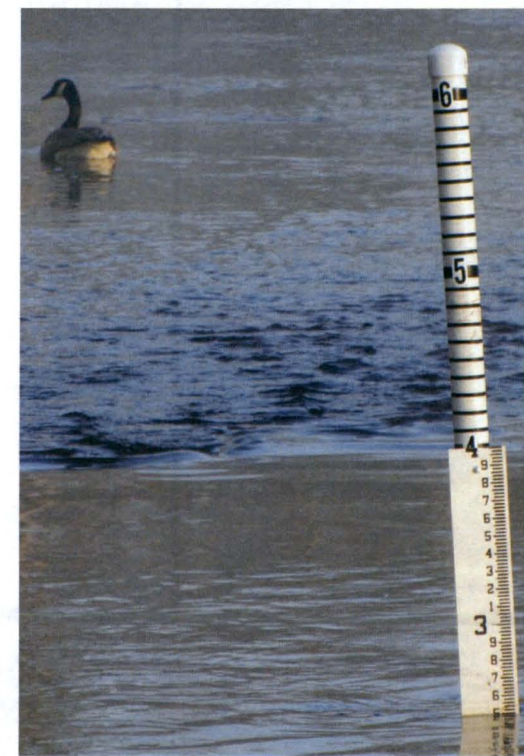
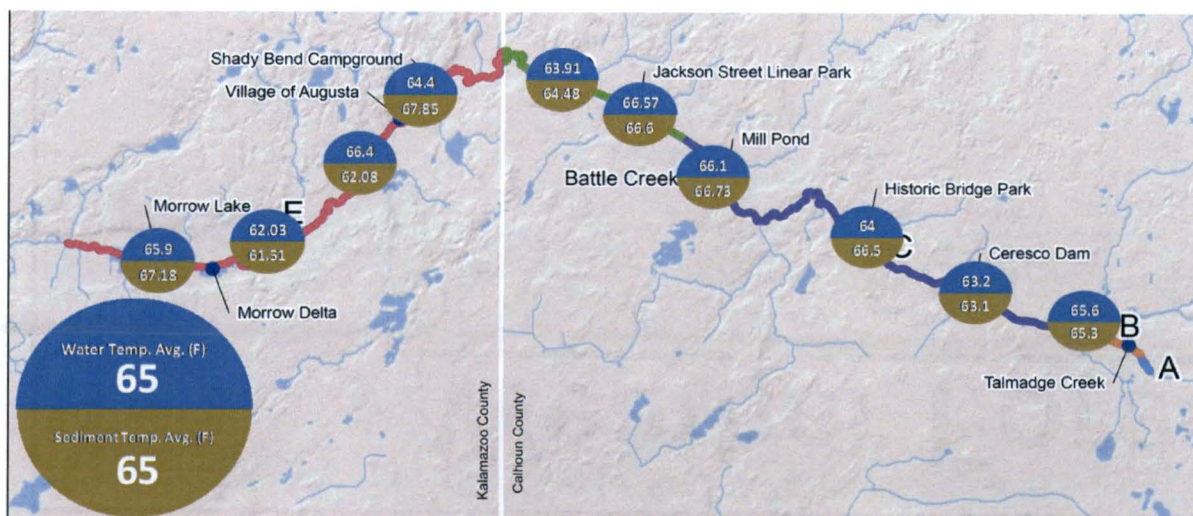
Situation Report

June 1, 2012

Water Conditions



DISCHARGE RATES (cfs)		
	5/31	5/30
Marshall, MI	291	289
<i>Historical Median</i>	322	300
Battle Creek, MI	420	423
<i>Historical Median</i>	683	665



Weather Forecast

Fri Jun 1		54° 46°	CHANCE OF RAIN: 70%
	Rain		
Sat Jun 2		69° 52°	CHANCE OF RAIN: 10%
	Partly Cloudy / Wind		
Sun Jun 3		73° 56°	CHANCE OF RAIN: 10%
	Partly Cloudy		
Mon Jun 4		75° 56°	CHANCE OF RAIN: 10%
	Partly Cloudy		

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

Submerged Oil Quantification

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

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	Execution	

Submerged Oil												
Walling Structure								3/16	3/27	4/14		
Suboil Toolbox								4/20	A			

Containment												
MP 3.25 R1						4/25	A	5/11	A			SSD Only
Ceresco Dam						4/25	A	5/11	A			SSD Only
MP 10.40 N						4/25	A	5/11	A			SSD Only
MP 10.50 L2						4/25	A	5/11	A			*
MP 10.75 LDB						4/25	A	4/3	4/26	5/8		Sed Traps + SSD
14.75 RDB						4/25	A	4/3	4/26	5/8		Sed Traps + SSD
19.25 LDB						4/25	A	4/3	4/26	5/8		Sed Traps + SSD
21.50 RDB						4/25	A	4/3	4/26	5/8		SSD Only
MP 26.00 RDB						4/25	A	5/11	A			
28.25 RDB						4/25	A	4/3	4/26	5/8		SSD Only
MP 33.00 A						4/25	A	5/11	A			*
MP 33.00 B						4/25	A	5/11	A			*
Delta A						4/25	A	5/11	A			SSD Only
Delta Z						4/25	A	5/11	A			SSD Only
36.1 NW						4/25	A	4/3	4/26	5/8		Sed Traps + SSD
37.75 Islands						4/25	A	5/11	A			SSD Only
Control Points (3)								3/21	3/23	4/5		
OB 8.48 LDB						5/1	A	5/11	A			Structure
SO 11.21						E			↶			
OB 11.79 LDB						5/1	A	5/11	A			Structure
SO 26.25						E			↶			

E

Enbridge / In development

A

In Agency Review

()

Denotes Due Date

Complete or N/A

↶

Revisit Previous Phase

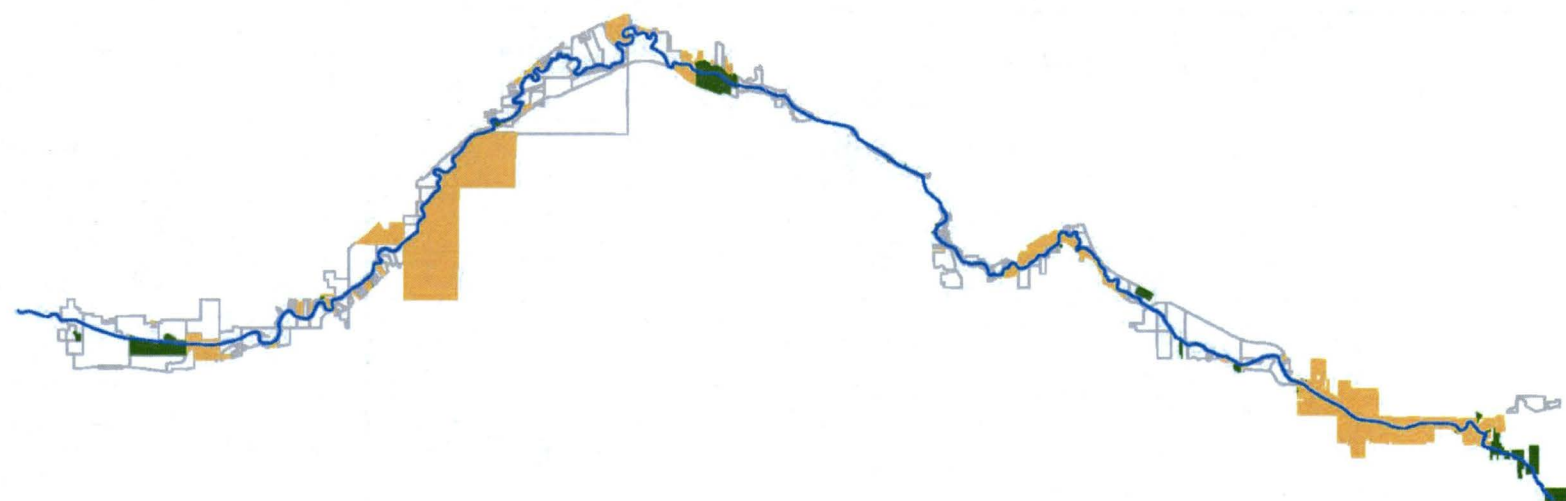
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Trap to remain in Permit. Running model with alternative structure placement

All_Branch_Progress_05-30-2012.xls

Remediation Progress

Remedial Investigation



Legend

- RI In Progress 36.04%
- ROW Access Obtained 46.61%
- No Progress

Updated: May 30, 2012

Daily Progress Tracking

Personnel / Resources Deployed

	5/31/2012	5/30/2012
Kalamazoo River System	38	35
Containment	7	9
Submerged Oil	58	55
Overbank	9	9
River Opening	1	1
Waste Management	13	13
Security & Flaggers	5	5
Operations Center	49	43
Comm. Centers	4	3
EPA	3	3
EPA Contractors	29	28
Other Agencies	1	2
DEQ	6	6
DEQ Contractors	8	8
TOTAL	231	220

	5/31/2012	5/30/2012
Vac & Tanker Trucks	0 0	0 0
Frac Tanks	0 0	0 0
Boats**	34 0	34 0
Yellow Iron***	4 0	6 0
Roll-Off Boxes	5 0	5 0
Boom Locations	12	12
Boom in River (ft)	5,475 0	5,475 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



- 312.2 CY in cells
- 5 Roll offs



2012/05/31 09:36

MP 5.75 5/31



2012/05/31 09:45

MP 5.75 5/31



2012/05/31 09:57

MP 5.75 5/31



2012/05/31 10:35

MP 10.0 5/31



2012/05/31 12:06

MP 10.0 5/31



2012/05/31 13:36

MP 10.75 5/31





2012/05/31 15:05

MP 37.75; E4 5/31



2012/05/31 15:08

Morrow Lake 5/31



2012/05/31 15:11

Morrow Lake 5/31



2012/05/31 15:18

Morrow Lake 5/31



2012/05/31 15:30

Morrow Lake 5/31

Command & General Staff Updates for UC

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

Closing Remarks

- Enbridge
- DEQ
- US EPA