

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 8, 2012

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
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		

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

E Enbridge
 Complete or N/A
 Denotes Due Date

Remediation Progress

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

Location

Comments

Submerged Oil

Walling Structure
Suboil Toolbox

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

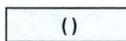
Containment

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

		4/25	A	4/3	4/26	E
		4/25	A	4/30	A	
				3/21	3/23	4/5
		5/1	A	5/1	A	
		5/1	A	5/1	A	
		5/1	A	5/1	A	
		5/1	A	5/1	A	

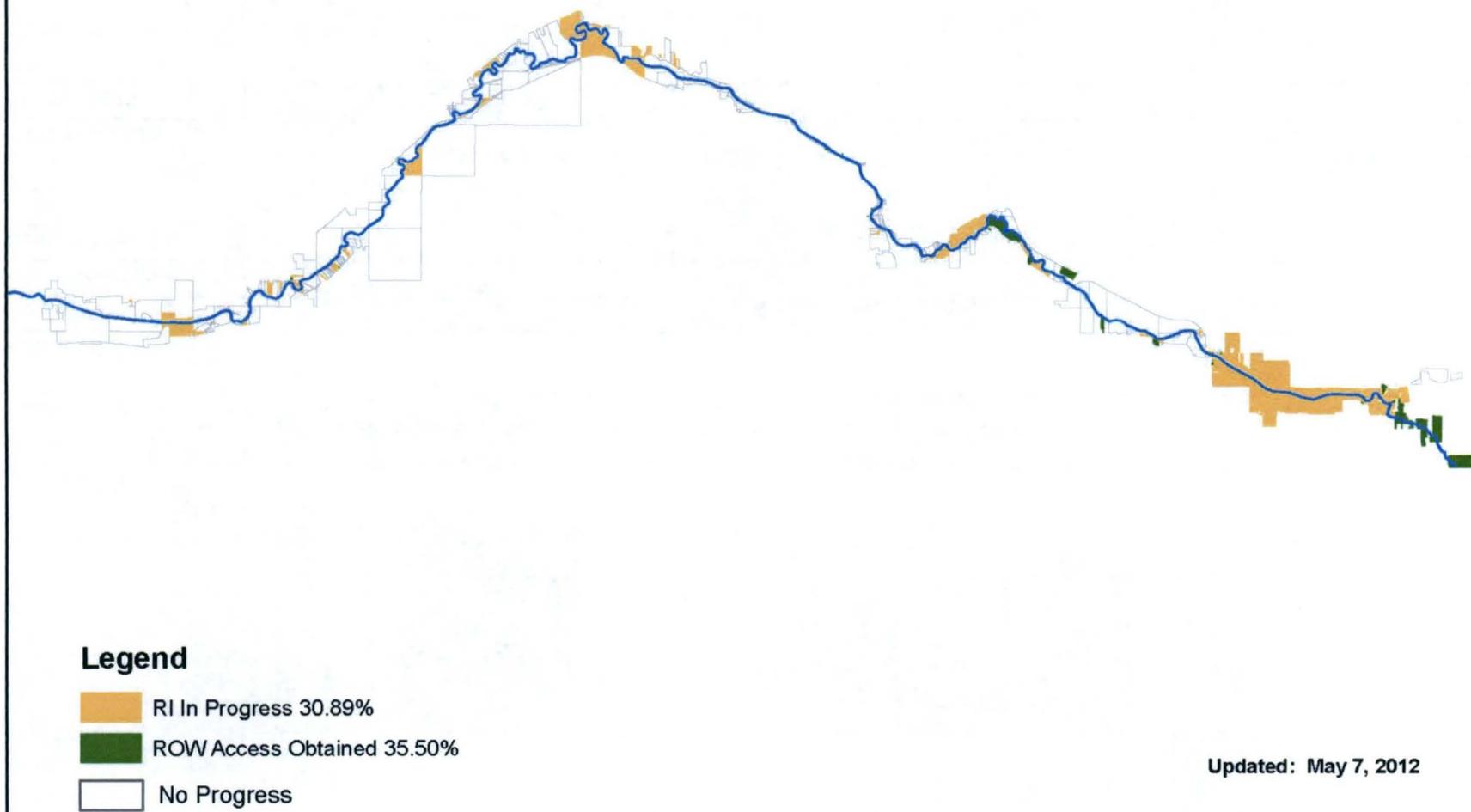
36.1 in 5/8	Baseline Survey

• denotes sites with status updates since the last report

 Enbridge / In development	 In Agency Review	 Denotes Due Date
 Complete or N/A	 Revisit Previous Phase	

Remediation Progress

Remedial Investigation



Daily Progress Tracking

Personnel / Resources Deployed

	5/7/2012	5/6/2012
Kalamazoo River System	38	0
Containment	11	0
Submerged Oil	19	0
Overbank	21	0
River Opening	1	0
Waste Management	17	0
Security & Flaggers	5	5
Operations Center	45	2
Comm. Centers	3	0
EPA	2	0
EPA Contractors	24	0
Other Agencies	0	0
DEQ	5	0
DEQ Contractors	9	0
TOTAL	200	7

	5/7/2012	5/6/2012
Vac & Tanker Trucks	0	0
Frac Tanks	0	0
Boats**	26	0
Yellow Iron***	5	0
Roll-Off Boxes	4	4
Boom Locations	14	14
Boom in River (ft)	5,425	5,425

Facility Sites



- 8 CY in cells
- 0 gal water
- 4 Roll offs

- Not a source to the river
- Land owner is aware

- Further remedial investigation activities planned
- Backfill on solid concrete

Ceresco Dam

- For safety of the public
- Cannot safely enter the building for residual removal

Commonwealth Power Co. Dam between
Marshall & Battle Creek, Mich. 6/16

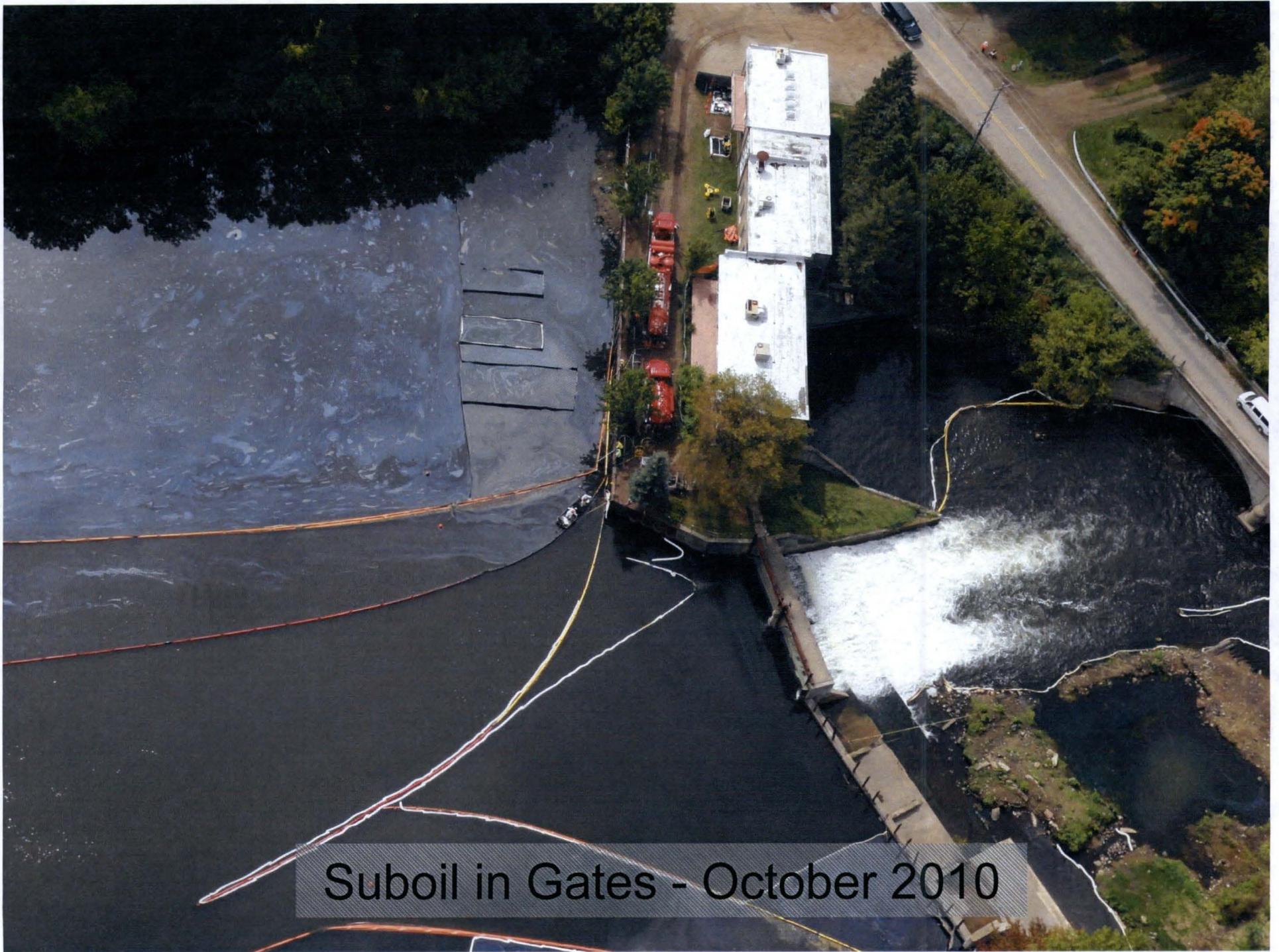




Initial Cleanup - August 2010



Washing Dam - September 2010



Subsoil in Gates - October 2010



Ceresco Dam - 10/2/10



Restoration - 11/15/10



Stingers - July 2011



Suboil Toolbox - August 2011



Aqua Dam - August 2011

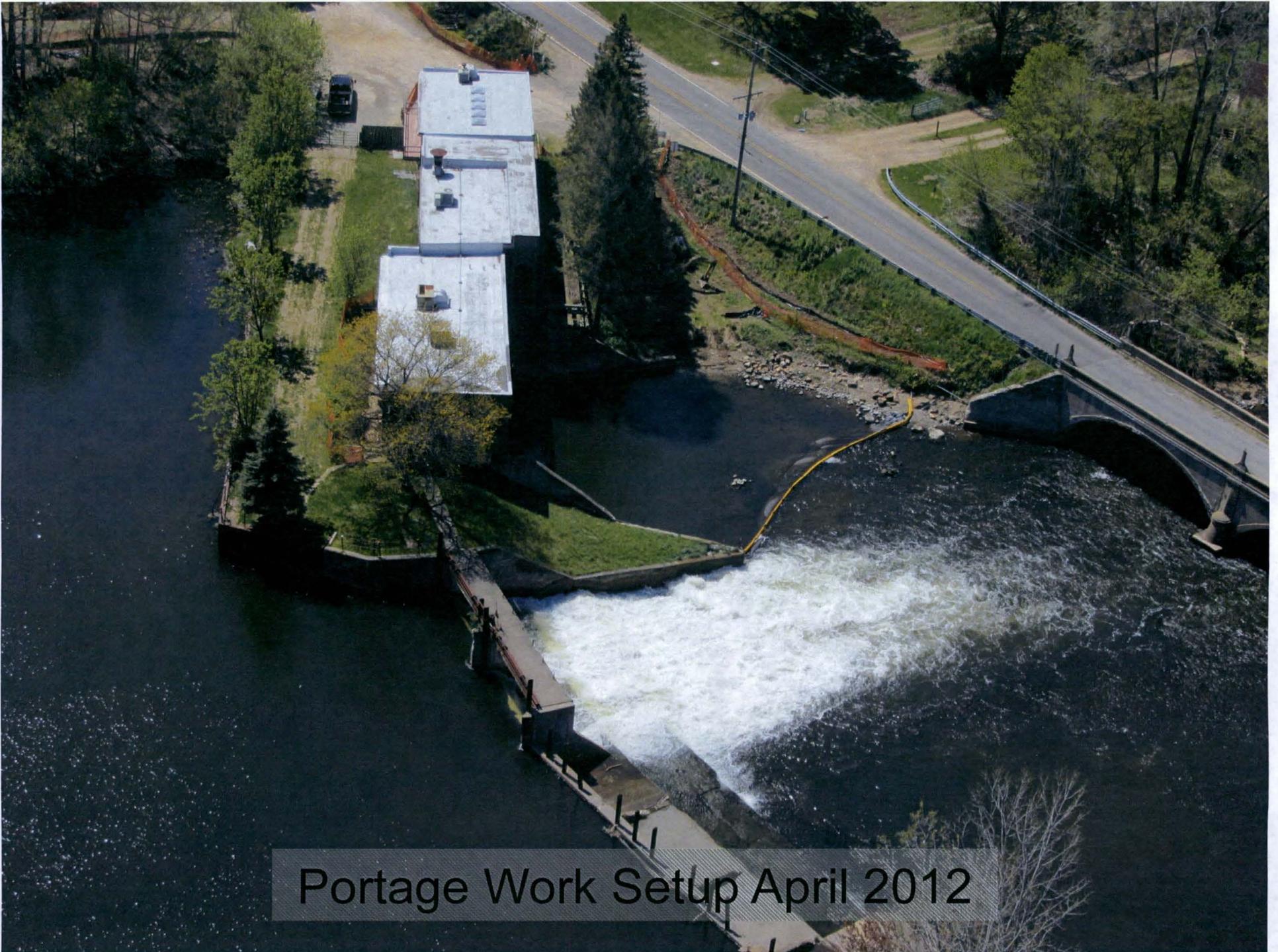


Suboil Recovery under Ceresco Dam



Marsh Buggies September/October 2011





Portage Work Setup April 2012



Filling 4/30/12



Filling 4/30/12



Filling Continued 5/1



Ceresco Dam 5/1



Sediment Curtain Removal 5/2/12



Ceresco Dam 5/2/12



2012/05/03 07:18

Ceresco Dam 5/3/12



2012/05/03 07:19
Ceresco Dam 5/3/12



Cleanup 5/3/12



Behind the Dam 5/3/12



Filled to Building 5/4/12



Sand Compacted 5/4/12



Soil Cap 5/7/12



MP 10.75 5/4



MP 10.75 5/4



Rock Tenn 5/4



Rock Tenn 5/4



MP 21.5 5/4



MP 21.5 5/4

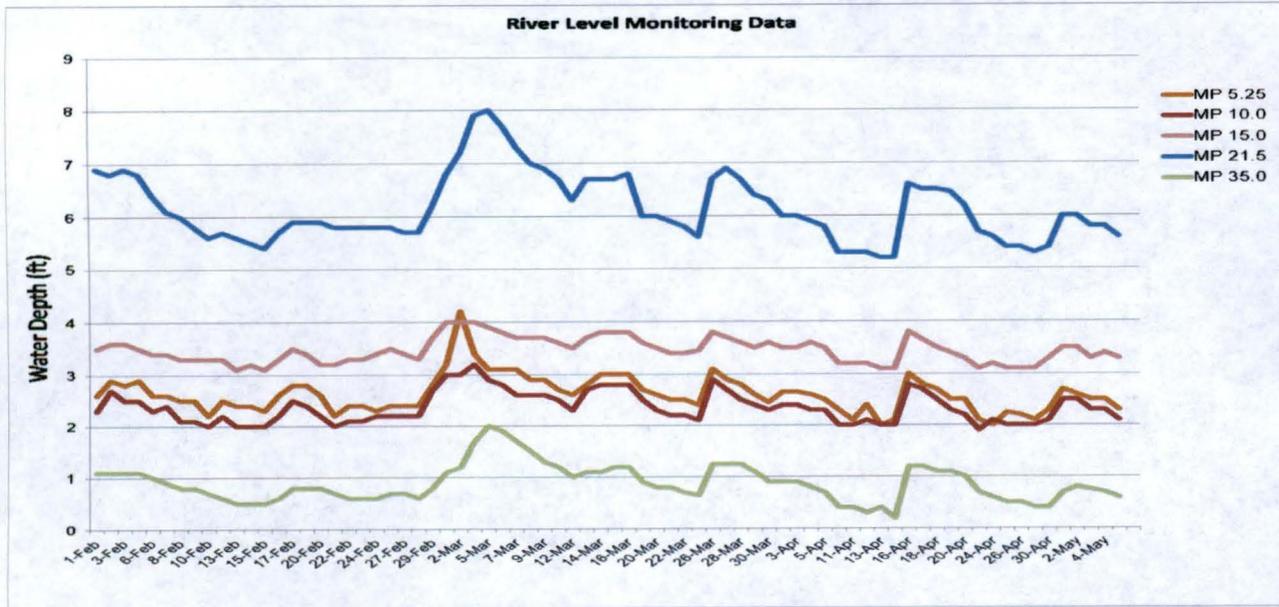


E4.5 5/1

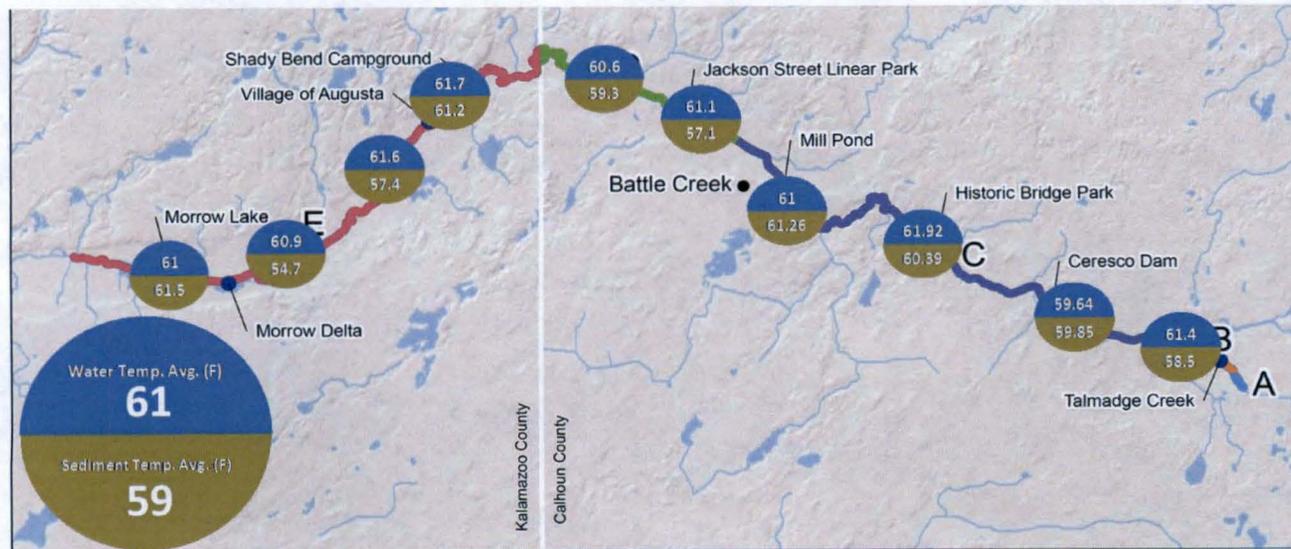


E4.5 5/1

Water Conditions



DISCHARGE RATES (cfs)		
	5/7	5/4
Marshall, MI	448	565
<i>Historical Median</i>	365	395
Battle Creek, MI	883	990
<i>Historical Median</i>	738	800



Weather Forecast

Tue May 8		69° 47°	CHANCE OF RAIN: 10%
	Partly Cloudy		
Wed May 9		59° 38°	CHANCE OF RAIN: 10%
	Mostly Cloudy		
Thu May 10		62° 40°	CHANCE OF RAIN: 0%
	Sunny		
Fri May 11		69° 51°	CHANCE OF RAIN: 0%
	Sunny		

Command & General Staff Updates for UC

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

Closing Remarks

- Enbridge
- DEQ
- US EPA