

US EPA ARCHIVE DOCUMENT

Source Area

RI/RA Status



Remedial Investigation

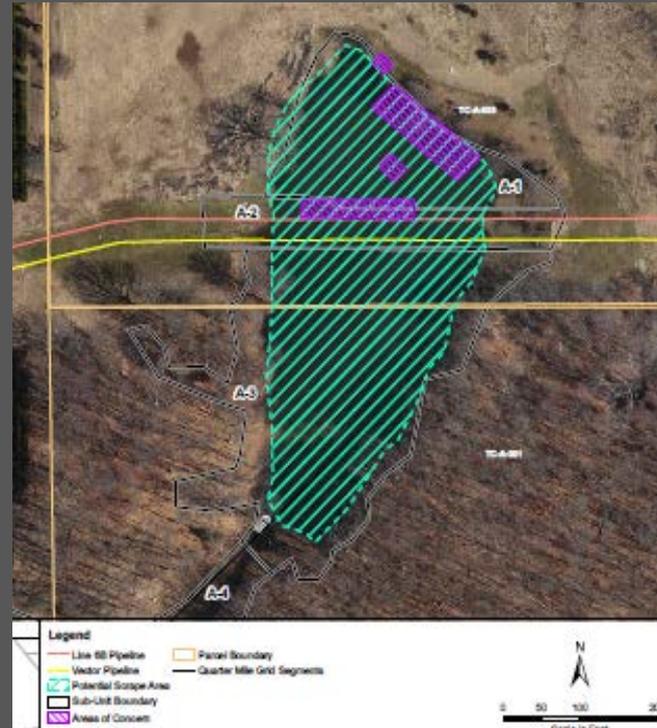
- Supplemental RI in progress

Remedial Action

- RA Work Plan in development
- Permit application in development

RA Schedule

- September 2012



Source Area

July 31, 2012

Supplemental RI



Submerged Oil Agitation Effectiveness



Progress

- Delta Z/EE/H (Complete)
- MP 21.5 (Complete)
- MP 14.75
- Ceresco

Scope of Work Modifications

- Repeat Delta Z test
- Test Duration?

Schedule

Monday 8/6/12

EVALUATING THE EFFICACY AND POTENTIAL ECOLOGICAL EFFECTS OF IN-SITU SEDIMENT AGITATION (SUMMER 2012)

	Time after Agitation (hours)							
	-1.0	0.0	0.25	0.5	1.0	2.0	4.0	4.5
<i>Field Task / Measurement</i>								
Poling and associated measurements outside of enclosure	☑							
Collect depth-integrated water sample	☑	☑					☑	
Collect sheen sample	☑	☑						
Collect sediment cores (3) within cylinder and composite sediment	☑							☑
Measure turbidity within cylinder (6 inch intervals)	☑	☑	☑	☑	☑	☑	☑	
Measure DO within cylinder (6 inch intervals)	☑	☑	☑	☑	☑	☑	☑	
LISST particle size analysis	☑	☑	☑	☑	☑	☑	☑	
<i>Laboratory Analysis Task</i>								
TSS on depth-integrated water sample	☑	☑						☑
Oil fingerprinting on suspended solids and filtrate (filtered water) from depth-integrated water sample	☑	☑						
Oil fingerprinting on sediment core samples	☑							☑
Wet + dry bulk density, TOC on sediment core samples	☑							☑
UV fluorescence microscopy on suspended solids and sediment core samples	☑	☑						
UV fluorescence microscopy on sediment core samples	☑							☑
Oil fingerprinting on sheen sample	☑	☑						

Submerged Oil Quantification



Sediment Core Collection

- 61 of 102 cores collected

Sediment Core Logging

- 61 cores logged

Sub-Group Meeting Topics

- Validation process
- ISM discussion
- QA/QC evaluation

Schedule

Resume coring 8/6/12



Submerged Oil

Quantification

Core-Logging



Emerging Oil Management



Sheen Tracking

July 2012

- Ceresco
- Mill Ponds
- MP 21.5
- MP 23.15
- MP 26.00
- MP 26.25
- MP 28.25
- Delta
- ML Fan
- Morrow Lake



Emerging Oil Management



Objective

Modulate EOMP to exclude responses to de-minimus sheen

Response Criteria

- Location
- Area of Impact
- Recurrence
- Oil Character
- Other Considerations



Sediment Trap

Monitoring & Maintenance



Phase I Traps (6)

- Monitoring schedule
- Poling results review

Phase II Traps (14)

- Permit acquisition
- Structure installation
- Monitoring
- River stage considerations

Reporting Schedule

- Quarterly

