

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

## April 17, 2012

# Science Group Status

|                 |                  |           |
|-----------------|------------------|-----------|
| Data Collection | Data Compilation | Submittal |
|-----------------|------------------|-----------|

## Submerged Oil Science Group

### Reassessment

|                                  |   |  |                                                            |
|----------------------------------|---|--|------------------------------------------------------------|
| Spring 2012 Sub Oil Reassessment | E |  | Temperature dependent, Morrow Lake, Confluence to Saylor's |
|----------------------------------|---|--|------------------------------------------------------------|

### Hydrodynamic Assessment & Modeling

|                        |   |        |  |
|------------------------|---|--------|--|
| Sensitivity Testing    |   | 4/6    |  |
| Run Modified Scenarios |   | 4/6    |  |
| Summary Report         | E | (4/20) |  |

### Temperature Effects Study

|                                                   |  |       |  |
|---------------------------------------------------|--|-------|--|
| Sediment sample location selection and collection |  | 12/19 |  |
| Conduct temperature study                         |  | 1/11  |  |
| Compile, evaluate, and present results            |  | 4/6   |  |

### 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 |
|-----------------|------------------|-----------|

## Overbank Science Group

### Reassessment

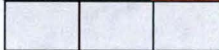
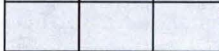
|                                                 |                                                                                     |  |
|-------------------------------------------------|-------------------------------------------------------------------------------------|--|
| Spring 2012 Shoreline 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 |  | Flood Plain Hec Ras |
| Monitoring and Management Plan | 1/24 | 1/25 | 2/27                                                                                |                     |

### Implementation of passive sediment collection devices

|                          |                                                                                       |  |
|--------------------------|---------------------------------------------------------------------------------------|--|
| Location selection       |  |  |
| Design review            |  |  |
| Installation             |  |  |
| Post-installation review |  |  |
| Design adjustments       |  |  |

- denotes status updates since the last report



Enbridge



Complete or N/A



() Denotes Due Date

# Remediation Progress

## Location

### Overbank

|              |
|--------------|
| OB 14.98 I   |
| OB 5.92 RDB  |
| OB 13.40 LDB |
| OB 8.97 I    |
| OB 9.10 LDB  |
| OB 10.37 RDB |

| 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

|       |       |       |       |       |      |   |
|-------|-------|-------|-------|-------|------|---|
| 10/17 | 10/15 | 9/28  | 10/10 | 11/18 | E    |   |
| 12/1  | 12/8  | 11/4  | 12/1  | 1/25  | E    |   |
| 12/22 | 2/7   | 12/21 | 2/9   | 2/23  | E    |   |
| 12/15 | 2/17  | 2/24  | 1/25  | 2/24  | 3/23 | E |
| 1/5   | 2/17  | 2/24  | 1/25  | 2/24  | 3/16 | E |
| 1/12  | 2/17  | 2/24  | 1/25  | 2/24  | 3/22 | E |

### Submerged Oil

|                   |
|-------------------|
| Walling Structure |
| Suboil Toolbox    |

|      |      |      |  |
|------|------|------|--|
| 3/16 | 3/27 | 4/14 |  |
| 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                    |

|   |   |      |      |     |  |
|---|---|------|------|-----|--|
| E | ↩ | 4/3  | A    |     |  |
| E | ↩ | E    |      |     |  |
|   |   | 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

# Daily Progress Tracking

## Personnel / Resources Deployed

|                             | 4/16/2012  | 4/15/2012 |
|-----------------------------|------------|-----------|
| Kalamazoo River Remediation | 36         | 1         |
| Containment                 | 13         | 2         |
| Submerged Oil               | 2          | 0         |
| Overbank                    | 4          | 0         |
| River Reopening             | 1          | 0         |
| Waste Management            | 16         | 0         |
| Security & Flaggers         | 5          | 5         |
| Operations Center           | 44         | 0         |
| Comm. Centers               | 4          | 0         |
| EPA                         | 4          | 0         |
| EPA Contractors             | 22         | 2         |
| Other Agencies              | 0          | 0         |
| DEQ                         | 6          | 0         |
| DEQ Contractors             | 6          | 0         |
| <b>TOTAL</b>                | <b>163</b> | <b>10</b> |

|                     | 4/16/2012  | 4/15/2012  |
|---------------------|------------|------------|
| Vac & Tanker Trucks | 0<br>0     | 0<br>0     |
| Frac Tanks          | 0<br>0     | 0<br>0     |
| Boats**             | 11<br>0    | 0<br>0     |
| Yellow Iron***      | 2<br>0     | 0<br>0     |
| Roll-Off Boxes      | 5<br>0     | 7<br>0     |
| Boom Locations      | 14         | 14         |
| Boom in River (ft)  | 5,175<br>0 | 5,175<br>0 |

# Facility Sites



- 2 CY in cells
- 375 gal water
- 5 Roll offs

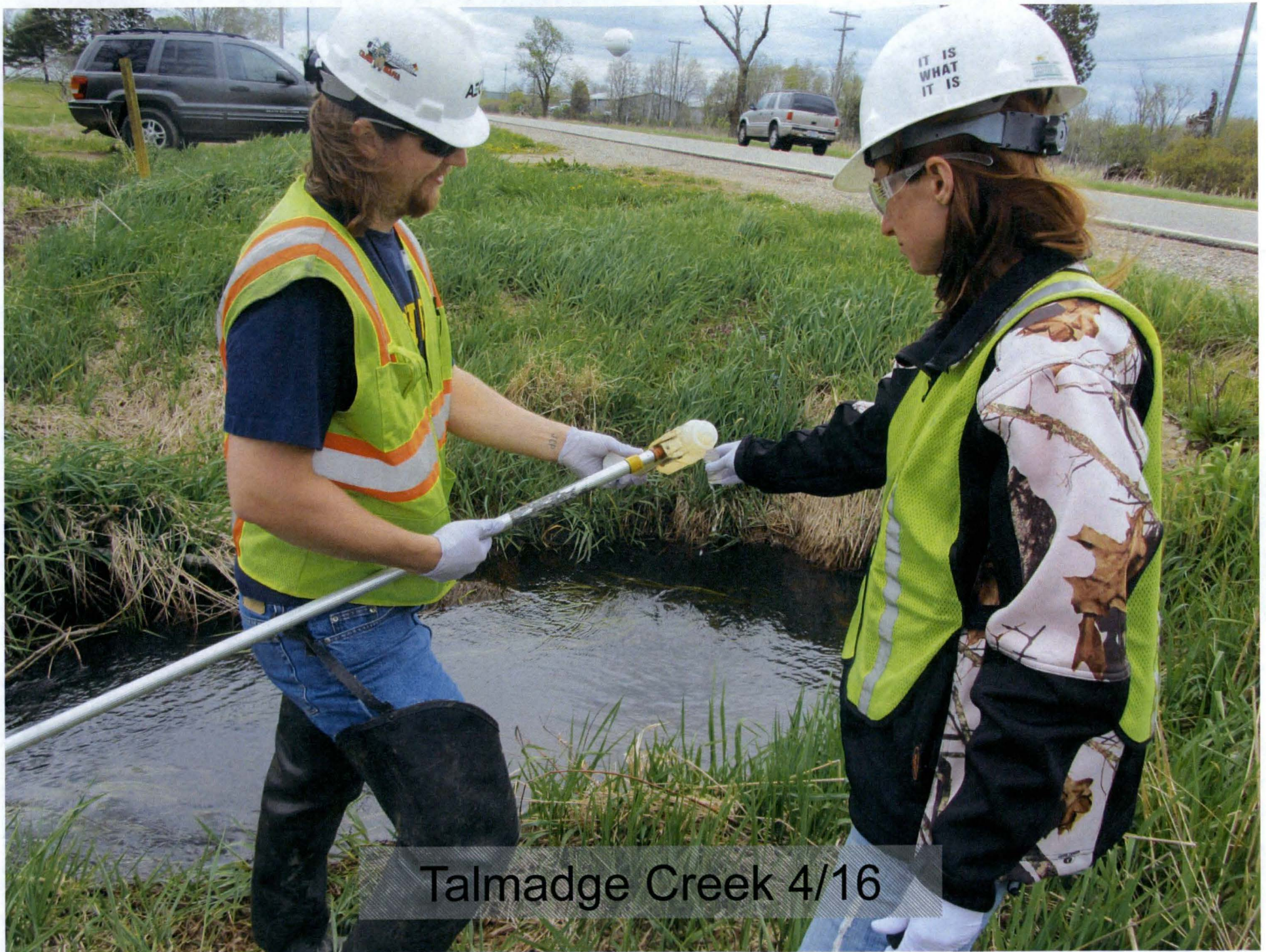


Talmadge Creek 4/13



2012/04/15 13:46

Talmadge Creek 4/15



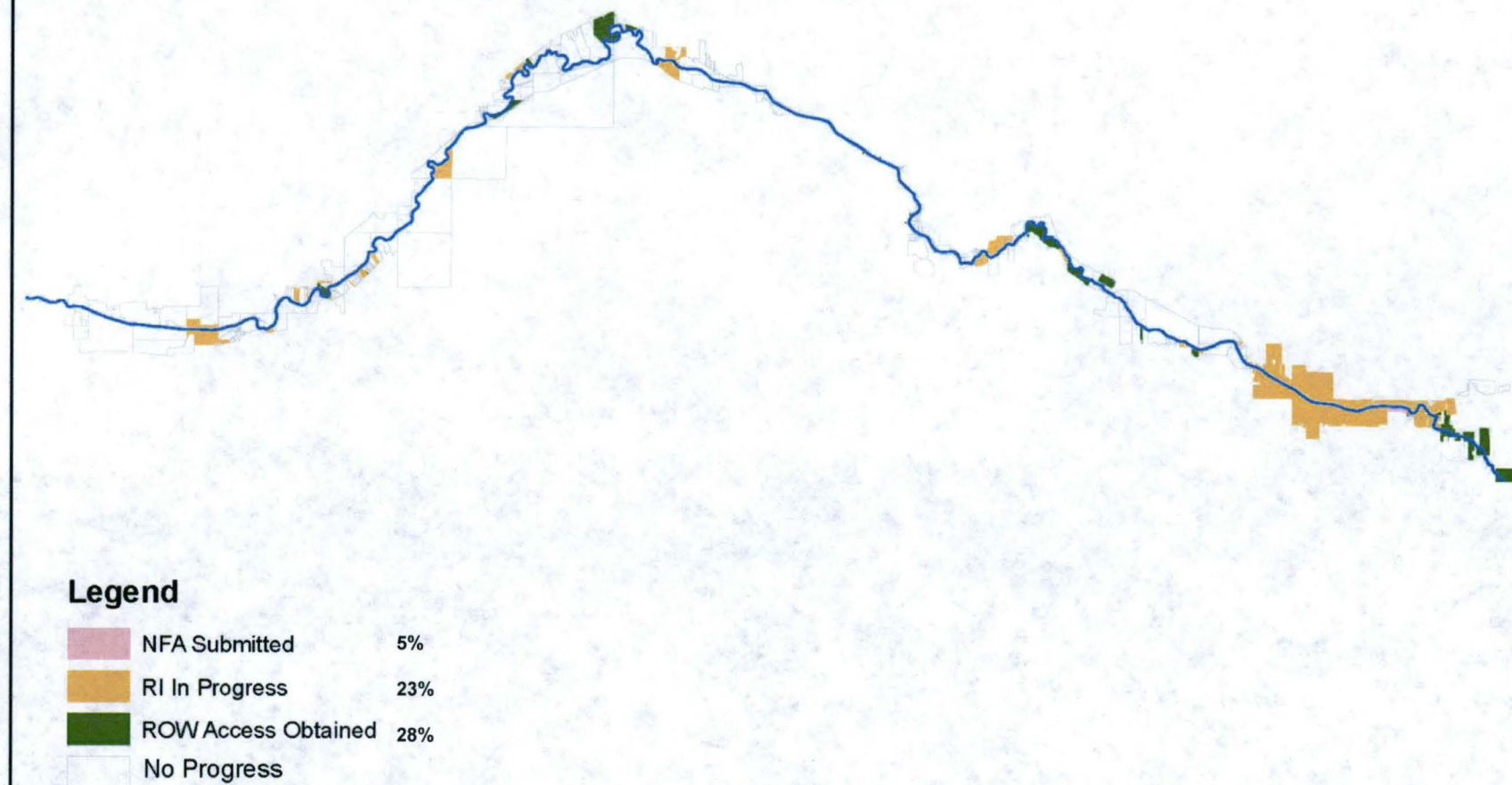
Talmadge Creek 4/16



MP 5.75 4/16

# Remediation Progress

## Remedial Investigation



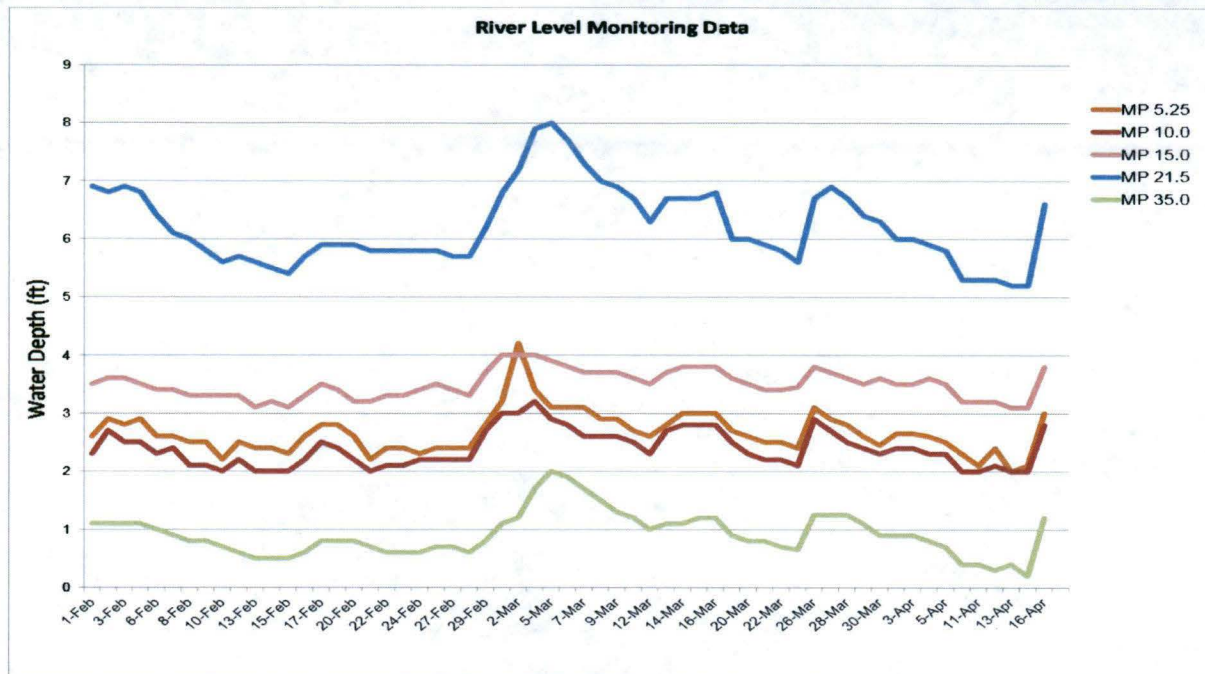


MP 10.0; C3.2 LDB 4/16

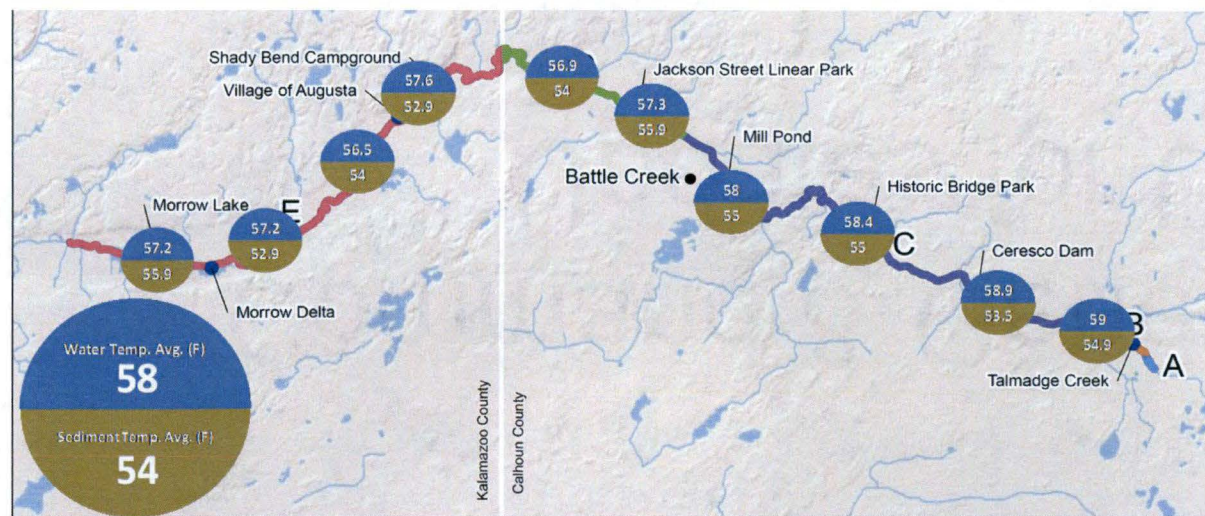


MP 10.0; C3.2 LDB 4/16

# Water Conditions



| DISCHARGE RATES (cfs)    |      |      |
|--------------------------|------|------|
|                          | 4/14 | 4/16 |
| Marshall, MI             | 430  | 688  |
| <i>Historical Median</i> | 430  | 430  |
| Battle Creek, MI         | 730  | 1290 |
| <i>Historical Median</i> | 970  | 957  |



# Command & General Staff Updates for UC