St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: ________
- Latitude: ________
- Longitude: ________
- County: ________
- T/R/Sec.: ________
- Access Road: ________
- Dam or Impoundment name (if any): Adams Dam
- Dam/Property Owner(s): [ ] Federal
[ ] State
[ ] Local Gov.
[ ] Private
[ ] Abandoned
[ ] Unknown
- Stream Name: ________
- Tributary to: ________
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: _____ in
- Past Week: _____ in

Land Use Information
(Check any that apply)
- Upstream:______
- Downstream:______
- ☐ Forest
☐ Wetland
☐ Residential
☐ Urban
☐ Agriculture
☐ Park
☐ Industrial
☐ Other: ________

Impoundment or Dam Use Information
(Check all that apply)
- ☐ Recreation
- ☐ Wildlife pond
- ☐ Waterfront development
- ☐ Hydropower
- ☐ Water supply
- ☐ Flood control
- ☐ Other: ________

Structural Information
(check all appropriate):
- Barrier Type
- ☐ Earthen Berm
- ☐ Dam Wall (no overflow)
- ☐ Open Crest spanning stream
□ Open crest channelizing flow
□ Debris Dam
□ Stoplogs or Flashboards
□ Beaver dam
□ Undersized culvert
□ Natural Falls
□ Other: ________

Construction Materials
- ☐ Concrete
☐ Earth
☐ Wood
☐ Rock
☐ Metal
☐ Screen
☐ Other: ________

Other Site Features
- ☐ Emergency Spillway
□ Stream Diversion or Canal
□ Retaining Walls
☐ Low level outlet
□ Gates
□ Rip-Rap
□ Fish passage Structure
□ Vehicle access
□ Attached or Adjacent Buildings
□ Other: ________

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
□ Widening
□ Deepening
□ Loss of channel / Partially Lake
□ Change to lake / pond
□ Wetland / Flooding
□ None

Is there evidence of erosion?
(Check all that apply)
- Upstream:______
- At Structure:______
- Downstream:______
- ☐ Overtopping
□ Access Paths / Trails
□ Bare Soil
□ Bank Failure
□ Undercut Banks
☐ Other: ________

Direct Stream Measurements:
- Stream:
  - Widest Impoundment Width: 300 ft
  - Impoundment Length: 500 ft
  - Estimated Area of Impoundment: 0.0005
  - Width After Plunge Pool: ________ ft
- Spillway:
  - Width: 25 ft
  - Length: 20 ft
  - Number of Interruptions or Steps: 2
  - Water Velocity: ________ ft

Vertical Characteristics:
- Height of Head: ________ ft
- Freeboard Available ________ ft
**Other Pertinent Information:**
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
- Reasoning/Justification:
- Does the dam have the ability to regulate water levels? □ Y □ N
- Is it being actively managed? □ Y □ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? □ Y □ N
- Are there any invasive species present? □ Y □ N If so, which?

**Photo Documentation:** Please number the photos in the order you take them.
- Downstream Face: ______ Upstream Face: ______ Downstream View: ______ Upstream View: ______ Others: ______

**Site Sketch** (Please Mark Photo Numbers on Site Sketch)

*Overhead view*

*Side view*
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint __ Latitude: 85°48'35"N Longitude: 41°30'51"W
- County: Elk River T/R/Sec.: 35N / W / SE (or S)
- Access Road CR 142 / CR 24 Dam or Impoundment name (if any): Elkhart Dam
- Dam/Property Owner(s): □ Federal □ State □ Local Gov. □ Private □ Abandoned □ Unknown
- Stream Name: Elkhart River Tributary to: St. Joseph River
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: ___ in Past Week: ___ in

Land Use Information
- (Check any that apply)
  - Upstream: Forest
  - Downstream: Forest
- Other:

Impoundment or Dam Use Information
- (Check all that apply)
  - Recreation
  - Wildlife pond
  - Waterfront development
  - Hydropower
  - Water supply
  - Flood control
  - Other: originally for hydro power

Structural Information (check all appropriate):
- Barrier Type
  - Earthen Berm
  - Dam Wall (no overflow)
  - None
  - Open Crest channelizing flow
  - Debris Jam
  - Stoplogs or Flashboards
  - Beaver dam
  - Undersized culvert
  - Natural Falls
  - Other:

- Construction Materials
  - Concrete
  - Earth
  - Wood
  - Rock
  - Metal
  - Screen
  - Other:

- Other Site Features
  - Emergency Spillway
  - Stream Diversion or Canal
  - Retaining Walls
  - Low level outlet
  - Gates
  - Rip-Rap
  - Fish passage Structure
  - Vehicle access
  - Attached or Adjacent Buildings
  - Other:

Upstream Conditions:
- (Mark evident changes to the stream caused by the barrier)
  - Widening
  - Deepening
  - Loss of channel/Partially Lake
  - Change to lake/pond
  - Wetland/Flooding
  - None

Is there evidence of erosion?
- (Check all that apply)

Direct Stream Measurements:
- Stream:
  - Widest Impoundment Width: ___ ft
  - Impoundment Length: ___ ft
- Estimated Area of Impoundment:
  - Width After Plunge Pool: ___ ft
- Spillway:
  - Width: ___ ft
  - Length: ___ ft
  - Number of Interruptions or Steps: ___
  - Water Velocity: ___ ft/s
- Vertical Characteristics:
  - Height of Head: ___ ft
  - Freeboard Available: ___ ft
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
  Reasoning/Justification: Old dam no longer maintained
- Does the dam have the ability to regulate water level? Y N
- Is it being actively managed? Y N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested? Y N
- Is another barrier (dam or road crossing) visible up or downstream? Y N
- Are there any invasive species present? Y N If so, which? Possibly common carp

Photo Documentation: Please number the photos in the order you take them:
- Downstream Face: _______ Upstream Face: _______ Downstream View: _______ Upstream View: _______ Others: _______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
- Overhead view
- Side view
St. Joseph Watershed Dam Inventory Data Form

**Site Location Information:**
- **GPS Waypoint:**
- **Latitude:** 85° 45' 03.43" N
- **Longitude:** 41° 30' 09.54" W
- **County:** Elkhart
- **T/R/Sec.:** 35N / 6E / S12
- **Access Road:** CR 31
- **Dam or Impoundment name (if any):** Benton Dam
- **Dam/Property Owner(s):** Federal
- **Stream Name:** Elk River
- **Tributary to:** St. Joseph River
- **Recent Precipitation (web source such as weatherground.com):** Past 24 hours: ___ in  Past Week: ___ in

**Land Use Information**

(Select any that apply)

<table>
<thead>
<tr>
<th>Upstream</th>
<th>Downstream</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest</td>
<td>Forest</td>
</tr>
<tr>
<td>Wetland</td>
<td>Wetland</td>
</tr>
<tr>
<td>Residential</td>
<td>Residential</td>
</tr>
<tr>
<td>Urban</td>
<td>Urban</td>
</tr>
<tr>
<td>Agriculture</td>
<td>Agriculture</td>
</tr>
<tr>
<td>Park</td>
<td>Park</td>
</tr>
<tr>
<td>Industrial</td>
<td>Industrial</td>
</tr>
<tr>
<td>Other</td>
<td>Other:</td>
</tr>
</tbody>
</table>

**Impoundment or Dam Use Information**

(Select all that apply)

- Recreation
- Wildlife pond
- Waterfront development
- Hydropower
- Water supply
- Flood control
- Other: formerly hydropower

**Structural Information (check all appropriate):**

<table>
<thead>
<tr>
<th>Barrier Type</th>
<th>Construction Materials</th>
<th>Other Site Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earthen Berm</td>
<td>Concrete</td>
<td>Emergency Spillway</td>
</tr>
<tr>
<td>Dam Wall (no overflow)</td>
<td></td>
<td>Stream Diversion or Canal</td>
</tr>
<tr>
<td>Open Crest spanning stream</td>
<td>Wood</td>
<td>Retaining walls</td>
</tr>
<tr>
<td>Open crest channelizing flow</td>
<td>Rock</td>
<td>Low level outlet</td>
</tr>
<tr>
<td>Debris Jam</td>
<td>Metal</td>
<td>Gates</td>
</tr>
<tr>
<td>Stoplogs or Flashboards</td>
<td>Screen</td>
<td>Rip-Rap</td>
</tr>
<tr>
<td>Beaver dam</td>
<td>Other: ________</td>
<td>Fish passage Structure</td>
</tr>
<tr>
<td>Undersized culvert</td>
<td></td>
<td>Vehicle access</td>
</tr>
<tr>
<td>Natural Falls</td>
<td></td>
<td>Attached or Adjacent Buildings</td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td>Other: ________</td>
</tr>
</tbody>
</table>

**Upstream Conditions:**

(Mark evident changes to the stream caused by the barrier)

- Widening
- Deepening
- Loss of channel/Partially Lake
- Change to lake/pond
- Wetland/Flooding
- None

**Is there evidence of erosion?**

(Select all that apply)

- Overtopping
- Gullies
- Bare Soil
- Bank Failure
- Undercut Banks

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>At Structure:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overtopping</td>
<td>Overflow/Breach</td>
<td>Plunge Pool</td>
</tr>
<tr>
<td>Gullies</td>
<td>Access Paths/Trails</td>
<td>Scour</td>
</tr>
<tr>
<td>Bare Soil</td>
<td>Gullies</td>
<td></td>
</tr>
<tr>
<td>Bank Failure</td>
<td>Bank Failure</td>
<td></td>
</tr>
<tr>
<td>Undercut Banks</td>
<td>Undercut Banks</td>
<td></td>
</tr>
</tbody>
</table>

**Direct Stream Measurements:**

<table>
<thead>
<tr>
<th>Stream:</th>
<th>Spillway:</th>
<th>Vertical Characteristics:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Widest Impoundment Width: 88 ft</td>
<td>350 ft</td>
<td>Height of Head: 5 ft</td>
</tr>
<tr>
<td>Impoundment Length: 250 ft</td>
<td>10 ft</td>
<td>Freeboard Available: 6 ft</td>
</tr>
<tr>
<td>Estimated Area of Impoundment: 74,800 sq ft</td>
<td>Water Velocity: 3 ft/sec</td>
<td></td>
</tr>
<tr>
<td>Width After Plunge Pool: 60 ft</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Other Pertinent Information:

- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
- Reasoning/Justification: Old dam no longer maintained
- Does the dam have the ability to regulate water level? ☑ Y ☑ N
- Is it being actively managed? ☑ Y ☑ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested? ☑ No
- Is another barrier (dam or road crossing) visible up or downstream? ☑ Y ☑ N
- Are there any invasive species present? ☑ Y ☑ N If so, which? Common carp

Photo Documentation: Please number the photos in the order you take them.
- Downstream Face: _______ Upstream Face: _______ Downstream View: _______ Upstream View: _______ Others: _______

Site Sketch (Please Mark Photo Numbers on Site Sketch)

Overhead view

Side view
BENTON DAM

UPSTREAM OF BENTON DAM
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: 45°28'45"N 84°41'6.1"W
- Latitude: 45°28'45"N 84°41'6.1"W
- Longitude: 85°28'45"W 16°15"W
- County: Elk
- T/R/Sec.: 37N 4.5E 5S
- Access Road: This Way
- Dam or Impoundment name (if any): Elk River Dam
- Dam/Property Owner(s): % Federal % State % Local Gov. % Private % Abandoned % Unknown
- Stream Name: Elk River
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: 0 in  Past Week: 0 in

Land Use Information
(Check any that apply)
- □ Forest
- □ Wetland
- % Residential
- % Urban
- □ Agriculture
- □ Park
- □ Industrial
- □ Other: ________

Impoundment or Dam Use Information
(Check all that apply)
- □ Recreation
- □ Wildlife pond
- □ Waterfront development
- □ Hydropower
- □ Water supply
- □ Flood control
- % Other: No Function

Structural Information (check all appropriate):

<table>
<thead>
<tr>
<th>Barrier Type</th>
<th>Construction Materials</th>
<th>Other Site Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Earthen Berm</td>
<td>% Concrete</td>
<td>□ Emergency Spillway</td>
</tr>
<tr>
<td>□ Dam Wall (no overflow)</td>
<td>□ Earth</td>
<td>□ Stream Diversion or Canal</td>
</tr>
<tr>
<td>□ Open Crest spanning stream</td>
<td>□ Wood</td>
<td>□ Retaining Walls</td>
</tr>
<tr>
<td>□ Open crest channelizing flow</td>
<td>□ Rock</td>
<td>□ Low level outlet</td>
</tr>
<tr>
<td>□ Debris Dam</td>
<td>□ Metal</td>
<td>□ Gates</td>
</tr>
<tr>
<td>□ Stoplogs or Flashboards</td>
<td>□ Screen</td>
<td>□ Rip-Rap</td>
</tr>
<tr>
<td>□ Beaver dam</td>
<td>□ Other: ________</td>
<td>□ Fish passage Structure</td>
</tr>
<tr>
<td>□ Undersized culvert</td>
<td></td>
<td>□ Vehicle access</td>
</tr>
<tr>
<td>□ Natural Falls</td>
<td></td>
<td>□ Attached or Adjacent Buildings</td>
</tr>
<tr>
<td>□ Other: ________</td>
<td></td>
<td>□ Other: ________</td>
</tr>
</tbody>
</table>

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
- % Widening
- % Deepening
- □ Loss of channel/Partially Lake
- □ Change to lake/pond
- □ Wetland/Flooding
- □ None

Is there evidence of erosion?
(Check all that apply)

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>At Structure:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Overtopping</td>
<td>□ Overflow/Breach</td>
<td>% Plunge Pool</td>
</tr>
<tr>
<td>□ Gullies</td>
<td>□ Access Paths/Trails</td>
<td>□ Scour</td>
</tr>
<tr>
<td>□ Bare Soil</td>
<td>□ Gullies</td>
<td>□ Bare Soil</td>
</tr>
<tr>
<td>□ Bank Failure</td>
<td>□ Bare Soil</td>
<td>□ Bare Soil</td>
</tr>
<tr>
<td>□ Undercut Banks</td>
<td>□ Bank Failure</td>
<td>% Bank Failure</td>
</tr>
<tr>
<td>□ Other: ________</td>
<td>□ Undercut Banks</td>
<td>□ Undercut Banks</td>
</tr>
</tbody>
</table>

Direct Stream Measurements:

<table>
<thead>
<tr>
<th>Stream:</th>
<th>Spillway:</th>
<th>Vertical Characteristics:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Widest Impoundment Width: 60 ft</td>
<td>Width: 30 ft</td>
<td>Height of Head: 10 ft</td>
</tr>
<tr>
<td>Impoundment Length: 2000 ft</td>
<td>Length: 10 ft</td>
<td>Freeboard Available 10 ft</td>
</tr>
<tr>
<td>Estimated Area of Impoundment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>360,000  ft</td>
<td>Number of Interruptions or Steps: 1</td>
<td></td>
</tr>
<tr>
<td>Width After Plunge Pool: 60 ft</td>
<td>Water Velocity: 3 ft/sec</td>
<td></td>
</tr>
</tbody>
</table>
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, □ 2, 1
  Reasoning/Justification: Old dam
- Does the dam have the ability to regulate water level? □ Y ☐ N
- Is it being actively managed? □ Y ☐ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested? Yes
- Is another barrier (dam or road crossing) visible up or downstream? □ Y ☐ N road crossing
- Are there any invasive species present? ☐ Y □ N If so, which? Gizzard shad, common carp

Photo Documentation: Please number the photos in the order you take them.
Downstream Face:_______ Upstream Face:_______ Downstream View:_______ Upstream View:_______ Others:_______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint __________
- Latitude: __________
- Longitude: __________
- County: __________
- T/R/Sec: __________
- Access Road __________
- Dam or Impoundment name (if any): __________
- Dam/Property Owner(s): [ ] Federal [ ] State [ ] Local Gov. [ ] Private [ ] Abandoned [ ] Unknown
- Stream Name: __________
- Tributary to: __________
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: __________ in
- Past Week: __________ in

Land Use Information
(Check any that apply)

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Forest</td>
<td>[ ] Forest</td>
</tr>
<tr>
<td>[ ] Wetland</td>
<td>[ ] Wetland</td>
</tr>
<tr>
<td>[ ] Residential</td>
<td>[ ] Residential</td>
</tr>
<tr>
<td>[ ] Urban</td>
<td>[ ] Urban</td>
</tr>
<tr>
<td>[ ] Agriculture</td>
<td>[ ] Agriculture</td>
</tr>
<tr>
<td>[ ] Park</td>
<td>[ ] Park</td>
</tr>
<tr>
<td>[ ] Industrial</td>
<td>[ ] Industrial</td>
</tr>
<tr>
<td>[x] Other: Golf</td>
<td>[x] Other: Golf</td>
</tr>
</tbody>
</table>

Impoundment or Dam Use Information
(Choose all that apply)

- [x] Recreation
- [x] Wildlife pond
- [x] Waterfront development
- [x] Hydropower
- [x] Water supply
- [x] Flood control
- [ ] Other: __________

Structural Information (check all appropriate):

<table>
<thead>
<tr>
<th>Barrier Type</th>
<th>Construction Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>[x] Earthen Berm</td>
<td>[x] Concrete</td>
</tr>
<tr>
<td>[ ] Dam Wall (no overflow)</td>
<td>[ ] Earth</td>
</tr>
<tr>
<td>[ ] Open Crest spanning stream</td>
<td>[ ] Wood</td>
</tr>
<tr>
<td>[ ] Open crest channelizing flow</td>
<td>[ ] Rock</td>
</tr>
<tr>
<td>[ ] Debris Jam</td>
<td>[ ] Metal</td>
</tr>
<tr>
<td>[ ] Stoplogs or Flashboards</td>
<td>[ ] Screen</td>
</tr>
<tr>
<td>[ ] Beaver dam</td>
<td>[ ] Other: __________</td>
</tr>
<tr>
<td>[ ] Undersized culvert</td>
<td></td>
</tr>
<tr>
<td>[ ] Natural Falls</td>
<td></td>
</tr>
<tr>
<td>[ ] Other: __________</td>
<td></td>
</tr>
</tbody>
</table>

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)

- [ ] Widening
- [ ] Deepening
- [ ] Loss of channel/Partially Lake
- [ ] Change to lake/pond
- [ ] Wetland/Flooding
- [ ] None

Is there evidence of erosion?
(Check all that apply)

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>At Structure:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Overtopping</td>
<td>[ ] Access Paths/Trails</td>
<td>[ ] Plunge Pool</td>
</tr>
<tr>
<td>[ ] Gullies</td>
<td>[ ] Gullies</td>
<td>[ ] Scour</td>
</tr>
<tr>
<td>[ ] Bare Soil</td>
<td>[ ] Bare Soil</td>
<td></td>
</tr>
<tr>
<td>[ ] Bank Failure</td>
<td>[ ] Bank Failure</td>
<td>[ ] Bank Failure</td>
</tr>
<tr>
<td>[ ] Undercut Banks</td>
<td>[ ] Undercut Banks</td>
<td></td>
</tr>
</tbody>
</table>

Direct Stream Measurements:

<table>
<thead>
<tr>
<th>Stream:</th>
<th>Spillway:</th>
<th>Vertical Characteristics:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: __________ ft</td>
<td>Width: __________ ft</td>
<td>Height of Head: __________ ft</td>
</tr>
<tr>
<td>Impoundment Length: __________ ft</td>
<td>Length: __________ ft</td>
<td>Freeboard Available __________ ft</td>
</tr>
<tr>
<td>Estimated Area of Impoundment: __________</td>
<td>Number of Interruptions or Steps: __________</td>
<td></td>
</tr>
<tr>
<td>Width After Plunge Pool: __________ ft</td>
<td>Water Velocity: __________</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2 (☐)
- Reasoning/Justification: crumbling concrete, seepage on its side (pipes)
- Does the dam have the ability to regulate water level? ☐ Y ☒ N
- Is it being actively managed? ☐ Y ☒ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? ☐ Y ☒ N
- Are there any invasive species present? ☐ Y ☒ N If so, which?

Photo Documentation: Please number the photos in the order you take them.
  Downstream Face: _______ Upstream Face: _______ Downstream View: _______ Upstream View: _______ Others: _______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
DOWNSTREAM OF FOX AND BEARS DAM

UPSTREAM OF FOX AND BEARS DAM
St. Joseph Watershed Dam Inventory Data Form

Site ID: Kings Mill Dam

Inventoried by: AS JM

Date: 03/27/11

Site Location Information:

- GPS Waypoint: [Latitude: ________ Longitude: ________]
- County: St. Joseph
- T/R/Sec.: T55N R96W S16
- Access Road: King
- Dam or Impoundment name (if any): __________
- Dam/Property Owner(s): [□] Federal [□] State [□] Local Gov. [□] Private [□] Abandoned [□] Unknown
- Stream Name: Not known
- Tributary to: St. Joe
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: _______ in
- Past Week: _______ in

Land Use Information

(Check any that apply)

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[□] Forest</td>
<td>[□] Forest</td>
</tr>
<tr>
<td>[□] Wetland</td>
<td>[□] Wetland</td>
</tr>
<tr>
<td>[□] Residential</td>
<td>[□] Residential</td>
</tr>
<tr>
<td>[□] Urban</td>
<td>[□] Urban</td>
</tr>
<tr>
<td>[□] Agriculture</td>
<td>[□] Agriculture</td>
</tr>
<tr>
<td>[□] Park</td>
<td>[□] Park</td>
</tr>
<tr>
<td>[□] Industrial</td>
<td>[□] Industrial</td>
</tr>
<tr>
<td>[□] Other: _______</td>
<td>[□] Other: _______</td>
</tr>
</tbody>
</table>

Impoundment or Dam Use Information

(Check all that apply)

- [□] Recreation
- [□] Wildlife pond
- [□] Waterfront development
- [□] Hydropower
- [□] Water supply
- [□] Flood control
- [□] Other: _______

Structural Information (check all appropriate):

<table>
<thead>
<tr>
<th>Barrier Type</th>
<th>Construction Materials</th>
<th>Other Site Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>[□] Earthen Berm</td>
<td>[□] Concrete</td>
<td>□ Emergency Spillway</td>
</tr>
<tr>
<td>[□] Dam Wall (no overflow)</td>
<td>[□] Earth</td>
<td>□ Stream Diversion or Canal</td>
</tr>
<tr>
<td>[□] Open Crest spanning stream</td>
<td>[□] Wood</td>
<td>□ Retaining Walls</td>
</tr>
<tr>
<td>[□] Open crest channelizing flow</td>
<td>[□] Rock</td>
<td>□ Low level outlet</td>
</tr>
<tr>
<td>[□] Debris Jam</td>
<td>[□] Metal</td>
<td>□ Gates</td>
</tr>
<tr>
<td>[□] Stoplogs or Flashboards</td>
<td>[□] Screen</td>
<td>□ Rip-Rap</td>
</tr>
<tr>
<td>[□] Beaver dam</td>
<td>[□] Other: _______</td>
<td>□ Fish passage Structure</td>
</tr>
<tr>
<td>[□] Undersized culvert</td>
<td></td>
<td>□ Vehicle access</td>
</tr>
<tr>
<td>[□] Natural Falls</td>
<td></td>
<td>□ Attached or Adjacent Buildings</td>
</tr>
<tr>
<td>[□] Other: _______</td>
<td></td>
<td>[□] Other: _______</td>
</tr>
</tbody>
</table>

Upstream Conditions:

(Mark evident changes to the stream caused by the barrier)

- [□] Widening
- [□] Deepening
- [□] Loss of channel/Partially Lake
- [□] Change to lake/pond
- [□] Wetland/Flooding
- [□] None

Is there evidence of erosion?

(Check all that apply)

- [□] None

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>At Structure:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[□] Overtopping</td>
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<td>[□] Gullies</td>
<td>[□] Access Paths/Trails</td>
<td>[□] Scour</td>
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<tr>
<td>[□] Bare Soil</td>
<td>[□] Gullies</td>
<td>[□] Gullies</td>
</tr>
<tr>
<td>[□] Bank Failure</td>
<td>[□] Bare Soil</td>
<td>[□] Bare Soil</td>
</tr>
<tr>
<td>[□] Undercut Banks</td>
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<td>[□] Bank Failure</td>
</tr>
<tr>
<td>[□] Undercut Banks</td>
<td>[□] Undercut Banks</td>
<td>[□] Undercut Banks</td>
</tr>
</tbody>
</table>

Direct Stream Measurements:

Stream:

- Widest Impoundment Width: ______ ft
- Impoundment Length: ______ ft
- Estimated Area of Impoundment: ______

Spillway:

- Width: ______ ft
- Length: ______ ft
- Number of Interruptions or Steps: ______
- Water Velocity: ______ ft/s

Vertically Available: ______ ft

Height of Head: ______ ft

Freeboard Available: ______ ft
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5 ☑ 3, 2, 1
- Reasoning/Justification:
- Does the dam have the ability to regulate water level? □ Y ☑ N
- Is it being actively managed? ☑ Y □ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? □ Y ☑ N
- Are there any invasive species present? □ Y ☑ N If so, which?

Photo Documentation: Please number the photos in the order you take them.
Downstream Face: Upstream Face: Downstream View: Upstream View: Others:

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
DOWNSTREAM OF KINGS MILL DAM

UPSTREAM OF KINGS MILL DAM
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: Lima
- Latitude: ____________  Longitude: ____________
- County: St. Joseph
- T/R/Sec.: 75S, R9W, Sec. 10
- Access Road: Fulton
- Dam or Impoundment name (if any): Leonard's Mill
- Dam/Property Owner(s): [ ] Federal  [ ] State  [ ] Local Gov.  [ ] Private  [ ] Abandoned  [ ] Unknown
- Stream Name: Not Known  [ ] Tributary to: ____________
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: ____________ in  Past Week: ____________ in

Land Use Information
(Check any that apply)
- Upstream:
  - Forest
  - Wetland
  - Residential
  - Urban
  - Agriculture
  - Park
  - Industrial
  - Other: ____________
- Downstream:
  - Forest
  - Wetland
  - Residential
  - Urban
  - Agriculture
  - Park
  - Industrial
  - Other: ____________

Impoundment or Dam Use Information
(Check all that apply)
- Recreation
- Wildlife pond
- Waterfront development
- Hydropower
- Water supply
- Flood control
- Other: ____________

Structural Information (check all appropriate):
- Barrier Type
  - Earthen Berm
  - Dam Wall (no overflow)
  - Open Crest spanning stream
  - Open crest channelizing flow
  - Debris Jam
  - Stoplogs or Flashboards
  - Beaver Dam
  - Undersized culvert
  - Natural Falls
  - Other: ____________

Construction Materials
- Concrete

Other Site Features
- Emergency Spillway
- Stream Diversion or Canal
- Retaining Walls
- Low level outlet
- Gates
- Rip-Rap
- Fish passage Structure
- Vehicle access
- Attached or Adjacent Buildings
- Other: ____________

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
- Widening
- Deepening
- Loss of channel/Partially Lake
- Change to lake/pond
- Wetland/Flooding
- None

Is there evidence of erosion?
(Check all that apply)
- Overtopping
- Gullies
- Bare Soil
- Bank Failure
- Undercut Banks
- Other: ____________

Direct Stream Measurements:
- Stream:
  Width: ____________ ft
  Length: ____________ ft
- Widest Impoundment Width: ____________ ft
- Impoundment Length: ____________ ft
- Estimated Area of Impoundment: ____________ ft

Spillway:
- Width: ____________ ft
- Length: ____________ ft
- Number of Intermittent or Steps: ____________
- Water Velocity: ____________

Vertical Characteristics:
- Height of Head: ____________ ft
- Freeboard Available: ____________ ft
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank 1-5, 1 being best condition, 5 being worst): 5, □ 3, 2, 1
- Reasoning/Justification:
- Does the dam have the ability to regulate water level? □ Y □ N
- Is it being actively managed? □ Y □ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? □ Y □ N
- Are there any invasive species present? □ Y □ N If so, which?

Photo Documentation: Please number the photos in the order you take them.
- Downstream Face: ______ Upstream Face: _______ Downstream View: ______ Upstream View: ______ Others: ______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
St. Joseph Watershed Dam Inventory Data Form

**Site Location Information:**
- GPS Waypoint: __________
- Latitude: __________
- Longitude: __________
- County: **St. Joseph**
- T/R/Sec.: **T65S, R12W Sec 14**
- Access Road: **dirt road**
- Dam or Impoundment name (if any): __________
- Dam/Property Owner(s): □ Federal □ State □ Local Gov. □ Private □ Abandoned □ Unknown
- Stream Name: __________
- Tributary to: **Rocky River**
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: __________ in
- Past Week: __________ in

**Land Use Information**
*(Check any that apply)*

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ Forest</td>
<td>✔ Forest</td>
</tr>
<tr>
<td>✔ Wetland</td>
<td>✔ Wetland</td>
</tr>
<tr>
<td>□ Residential</td>
<td>□ Residential</td>
</tr>
<tr>
<td>□ Urban</td>
<td>□ Urban</td>
</tr>
<tr>
<td>□ Agriculture</td>
<td>□ Agriculture</td>
</tr>
<tr>
<td>□ Park</td>
<td>□ Park</td>
</tr>
<tr>
<td>□ Industrial</td>
<td>□ Industrial</td>
</tr>
<tr>
<td>Other:</td>
<td>Other:</td>
</tr>
</tbody>
</table>

**Structural Information** *(check all appropriate):*

<table>
<thead>
<tr>
<th>Barrier Type</th>
<th>Construction Materials</th>
<th>Other Site Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ Earthen Berm</td>
<td>✔ Concrete</td>
<td>✔ Emergency Spillway</td>
</tr>
<tr>
<td>✔ Dam Wall (no overflow)</td>
<td>✔ Earth</td>
<td>✔ Stream Diversion or Canal</td>
</tr>
<tr>
<td>□ Open Crest spanning stream</td>
<td>□ Wood</td>
<td>✔ Retaining Walls</td>
</tr>
<tr>
<td>□ Open crest channelizing flow</td>
<td>□ Rock</td>
<td>□ Low level outlet</td>
</tr>
<tr>
<td>□ Debris Jam</td>
<td>□ Metal</td>
<td>□ Gates</td>
</tr>
<tr>
<td>✔ Stoplogs or Flashboards</td>
<td>□ Screen</td>
<td>□ Rip-Rap</td>
</tr>
<tr>
<td>□ Beaver dam</td>
<td>□ Other:</td>
<td>□ Fish passage Structure</td>
</tr>
<tr>
<td>□ Undersized culvert</td>
<td></td>
<td>□ Vehicle access</td>
</tr>
<tr>
<td>□ Natural Falls</td>
<td></td>
<td>□ Attached or Adjacent Buildings</td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td>Other:</td>
</tr>
</tbody>
</table>

**Upstream Conditions:** *(Mark evident changes to the stream caused by the barrier)*

- □ Widening
- □ Deepening
- □ Loss of channel/Partially Lake
- ✔ Change to lake/pond
- □ Wetland/Flooding
- □ None

**Direct Stream Measurements:**

<table>
<thead>
<tr>
<th>Stream:</th>
<th>Spillway:</th>
<th>Vertical Characteristics:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Widest Impoundment Width: <strong>140 ft</strong></td>
<td>Width: <strong>16 ft</strong></td>
<td>Height of Head: <strong>10 ft</strong></td>
</tr>
<tr>
<td>Impoundment Length: <strong>500 ft</strong></td>
<td>Length: <strong>15 ft</strong></td>
<td>Freeboard Available: <strong>1 ft</strong></td>
</tr>
<tr>
<td>Estimated Area of Impoundment:</td>
<td>Number of Interruptions or Steps:</td>
<td></td>
</tr>
<tr>
<td>Width After Plunge Pool:</td>
<td>Water Velocity: <strong>5 ft</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Impoundment or Dam Use Information** *(Check all that apply)*

- ✔ Recreation
- ✔ Wildlife pond
- □ Waterfront development
- □ Hydropower
- □ Water supply
- □ Flood control
- □ Other: __________

**Is there evidence of erosion?** *(Check all that apply)*

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>At Structure:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Overtopping</td>
<td>□ Overfall/Breach</td>
<td>□ Plunge Pool</td>
</tr>
<tr>
<td>□ Gullies</td>
<td>□ Access Paths/Trails</td>
<td>□ Scour</td>
</tr>
<tr>
<td>□ Bare Soil</td>
<td>□ Gullies</td>
<td>□ Gullies</td>
</tr>
<tr>
<td>□ Bank Failure</td>
<td>□ Bare Soil</td>
<td>□ Bare Soil</td>
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</tr>
<tr>
<td>□ Undercut Banks</td>
<td>□ Undercut Banks</td>
<td>□ Undercut Banks</td>
</tr>
</tbody>
</table>

*Signature at bottom of page: __________*

*Note: Some fields are marked as 'Not Applicable' or 'N/A'.*
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, ☐ 2, 1
- Reasoning/Justification:
- Does the dam have the ability to regulate water level? ☑ Y ☐ N
- Is it being actively managed? ☑ Y ☐ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? ☑ Y ☐ N
- Are there any invasive species present? ☑ Y ☐ N If so, which?

Photo Documentation: Please number the photos in the order you take them.
- Downstream Face:_______ Upstream Face:_______ Downstream View:_______ Upstream View:_______ Others:_______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
- Overhead view

- Side view
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
GPS Waypoint: ___________  Latitude: ___________  Longitude: ___________
County: ___________  T/R/Sec.: ___________
Access Road: ___________  Dam or Impoundment name (if any): ___________
Dam/Property Owner(s): □ Federal  □ State  □ Local Gov.  □ Private  □ Abandoned  □ Unknown
Stream Name: ___________  Tributary to: ___________
Recent Precipitation (web source such as wunderground.com): Past 24 hours: ___________ in  Past Week: ___________ in

Land Use Information
(Upstream:  Downstream: )
□ Forest  □ Forest
□ Wetland  □ Wetland
□ Residential  □ Residential
□ Urban  □ Urban
□ Agriculture  □ Agriculture
□ Park  □ Park
□ Industrial  □ Industrial
□ Other: ___________  □ Other: ___________

Impoundment or Dam Use Information
(Upstream:  Downstream: )
□ Recreation
□ Wildlife pond
□ Waterfront development
□ Hydropower
□ Water supply
□ Flood control
□ Other: ___________

Structural Information (check all appropriate):
Barrier Type
□ Earthen Berm  □ Concrete
□ Dam Wall (no overflow)  □ Earth
□ Open Crest spanning stream  □ Wood
□ Open crest channelizing flow  □ Rock
□ Debris Jam  □ Metal
□ Stoplogs or Flashboards  □ Screen
□ Beaver dam  □ Other: ___________
□ Undersized culvert
□ Natural Falls
□ Other: ___________

Is there evidence of erosion?
(Upstream:  Downstream: )
□ Overtopping  □ Overflow/Breach  □ Plunge Pool
□ Gullies  □ Access Paths/Trails  □ Scour
□ Bare Soil  □ Gullies  □ Gullies
□ Bank Failure  □ Bare Soil  □ Bare Soil
□ Undercut Banks  □ Bank Failure  □ Bank Failure
□ Undercut Banks  □ Undercut Banks
□ Other: ___________

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
□ Widening
□ Deepening
□ Loss of channel/Partially Lake
□ Change to lake/pond
□ Wetland/Flooding
□ None
□ Concrete lined walls in pond

Direct Stream Measurements:
Stream:
Widest Impoundment Width: ___________ ft
Impoundment Length: ___________ ft
Estimated Area of Impoundment: ___________ ft²

Width After Plunge Pool: ___________ ft

Spillway:
Width: ___________ ft
Length: ___________ ft
Number of Interruptions or Steps: ___________
Water Velocity: ___________ ft/s

Vertical Characteristics:
Height of Head: ___________ ft
Freeboard Available: ___________ ft

Site ID: McKay Creek Dam  Inventoried by: Smull + Deegan  Date: ___________
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
  Reasoning/Justification: [ダメージの説明]
- Does the dam have the ability to regulate water level? X Y □ N
- Is it being actively managed? □ Y □ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested? □ Y □ N
- Is another barrier (dam or road crossing) visible up or downstream? □ Y □ N
- Are there any invasive species present? □ Y □ N  If so, which? [種類を記入]

Photo Documentation: Please number the photos in the order you take them.
  Downstream Face: _____  Upstream Face: _____  Downstream View: _____  Upstream View: _____  Others: _____

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: 
- Latitude: 
- Longitude: 
- County: Van Buren
- T/R/Sec.: 
- Access Road: 2nd. 2 Track
- Dam or Impoundment name (if any): 
- Dam/Property Owner(s): □ Federal □ State □ Local Gov. □ Private □ Abandoned □ Unknown
- Stream Name: 
- Tributary to: 
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: ___ in Past Week: ___ in

Land Use Information
(Check any that apply)

<table>
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</tr>
<tr>
<td>☑ Residential</td>
<td>☑ Residential</td>
</tr>
<tr>
<td>☑ Urban</td>
<td>☑ Urban</td>
</tr>
<tr>
<td>☑ Agriculture</td>
<td>☑ Agriculture</td>
</tr>
<tr>
<td>☑ Park</td>
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<tr>
<td>☑ Industrial</td>
<td>☑ Industrial</td>
</tr>
<tr>
<td>☑ Other:</td>
<td>☑ Other:</td>
</tr>
</tbody>
</table>

Impoundment or Dam Use Information
(Check all that apply)

- Recreation
- Wildlife pond
- Waterfront development
- Hydropower
- Water supply
- Flood control
- Other: 

Structural Information (check all appropriate):

<table>
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<tr>
<th>Barrier Type</th>
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</thead>
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<td>☑ Stream Diversion or Canal</td>
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<td>☑ Wood</td>
<td>☑ Retaining Walls</td>
</tr>
<tr>
<td>☑ Open crest channelizing flow</td>
<td>☑ Rock</td>
<td>☑ Low level outlet</td>
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<tr>
<td>☑ Debris Jam</td>
<td>☑ Metal</td>
<td>☑ Gates</td>
</tr>
<tr>
<td>☑ Stoplogs or Flashboards</td>
<td>☑ Screen</td>
<td>☑ Rip-Rap</td>
</tr>
<tr>
<td>☑ Beaver dam</td>
<td>☑ Other:</td>
<td>☑ Fish passage Structure</td>
</tr>
<tr>
<td>☑ Undersized culvert</td>
<td></td>
<td>☑ Vehicle access</td>
</tr>
<tr>
<td>☑ Natural Falls</td>
<td></td>
<td>☑ Attached or Adjacent Buildings</td>
</tr>
<tr>
<td>☑ Other:</td>
<td></td>
<td>☑ Other:</td>
</tr>
</tbody>
</table>

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
- Widening
- Deepening
- Loss of channel/Partially Lake
- Change to lake/pond
- Wetland/Flooding
- None

Is there evidence of erosion?
(Check all that apply)

<table>
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<tr>
<th>Upstream:</th>
<th>At Structure:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
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<tr>
<td>☑ Bank Failure</td>
<td>☑ Bare Soil</td>
<td>☑ Bank Failure</td>
</tr>
<tr>
<td>☑ Undercut Banks</td>
<td>☑ Bank Failure</td>
<td>☑ Undercut Banks</td>
</tr>
</tbody>
</table>

Direct Stream Measurements:

<table>
<thead>
<tr>
<th>Stream:</th>
<th>Spillway:</th>
<th>Vertical Characteristics:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Widest Impoundment Width: 7 ft</td>
<td>Width: 7 ft</td>
<td>Height of Head: 8 ft</td>
</tr>
<tr>
<td>Impoundment Length: 24 ft</td>
<td>Length: 24 ft</td>
<td>Freeboard Available 5 ft</td>
</tr>
<tr>
<td>Estimated Area of Impoundment:</td>
<td>Number of Interruptions or Steps:</td>
<td></td>
</tr>
<tr>
<td>Width After Plunge Pool: 7 ft</td>
<td>Water Velocity:</td>
<td></td>
</tr>
</tbody>
</table>

For the Beaver dam, please check the following:
- There is a dam present.
- The dam is located at the top of the hill.
- The dam appears to be connected to the stream.
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3 @ 1
  Reasoning/Justification:
- Does the dam have the ability to regulate water level? Y N
- Is it being actively managed? Y N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? Y N
- Are there any invasive species present? Y N If so, which?

Photo Documentation: Please number the photos in the order you take them.
Downstream Face: _______ Upstream Face: _______ Downstream View: _______ Upstream View: _______ Others: _______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: 
- Latitude: 
- Longitude: 
- County: St. Joseph
- T/R/Sec.: T53 S/1W, E3
- Access Road: Parkville Rd
- Dam or Impoundment name (if any): Parkville
- Dam/Property Owner(s): Federal
- State: Local Gov.
- Private: Abandoned
- Unknown: 
- Stream Name: Portage River
- Tributary to: St Joe
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: ___ in
- Past Week: ___ in

Land Use Information
(Select any that apply)
- [ ] Forest
- [ ] Wetland
- [ ] Residential
- [ ] Urban
- [ ] Agriculture
- [ ] Park
- [ ] Industrial
- [ ] Other: 

Impoundment or Dam Use Information
(Select all that apply)
- [ ] Recreation
- [ ] Wildlife pond
- [ ] Waterfront development
- [ ] Hydropower
- [ ] Water supply
- [ ] Flood control
- [ ] Other: None

Structural Information (check all appropriate):
- [ ] Earthen Berm
- [ ] Dam Wall (no overflow)
- [ ] Open Crest spanning stream
- [ ] Open crest channelizing flow
- [ ] Debris Jam
- [ ] Stoplogs or Flashboards
- [ ] Beaver dam
- [ ] Undersized culvert
- [ ] Natural Falls
- [ ] Other: Steel beam 2'0" in.

- [ ] Concrete
- [ ] Earth
- [ ] Wood
- [ ] Rock
- [ ] Metal
- [ ] Screen
- [ ] Other: Natural drift

Other Site Features
- [ ] Emergency Spillway
- [ ] Stream Diversion or Canal
- [ ] Retaining Walls
- [ ] Low level outlet
- [ ] Gates
- [ ] Rip-Rap
- [ ] Fish passage Structure
- [ ] Vehicle access
- [ ] Attached or adjacent buildings
- [ ] Other: 

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
- [ ] Widening
- [ ] Deepening
- [ ] Loss of channel/Partially Lake
- [ ] Change to lake/pond
- [ ] Wetland/Flooding
- [ ] None

Is there evidence of erosion?
(Check all that apply)

Upstream:
- [ ] Overtopping
- [ ] Gullies
- [ ] Bare Soil
- [ ] Bank Failure
- [ ] Undercut Banks

At Structure:
- [ ] Overflow/Breach
- [ ] Access Paths/Trails
- [ ] Gullies
- [ ] Bare Soil
- [ ] Bank Failure
- [ ] Undercut Banks

Downstream:
- [ ] Plunge Pool
- [ ] Scour
- [ ] Gullies
- [ ] Bare Soil
- [ ] Bank Failure
- [ ] Undercut Banks

Direct Stream Measurements:
- Stream:
  - Widest Impoundment Width: ___ ft
  - Impoundment Length: ___ ft
  - Estimated Area of Impoundment:
- Width After Plunge Pool: ___ ft

Spillway:
- Width: 100 ft
- Length: 50 ft
- Number of Interceptions or Steps: ___
- Water Velocity: ___ ft/s

Vertical Characteristics:
- Height of Head: 1.5 ft
- Freeboard Available: ___ ft
Other Pertinent Information:

- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
- Reasoning/Justification:
- Does the dam have the ability to regulate water level? ☐ Y ☑ N
- Is it being actively managed? ☐ Y ☑ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? ☐ Y ☑ N
- Are there any invasive species present? ☐ Y ☑ N If so, which?

Photo Documentation: Please number the photos in the order you take them.
Downstream Face: ______ Upstream Face: ______ Downstream View: _____ Upstream View: ____ Others: ______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

[Diagram of dam with annotations: "# steel post"

Side view

* High priority for improvement
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: Latitude: __________ Longitude: __________
- County: Van Buren
- T/R/Sec.: T 80, R 141, Sec 11
- Access Road: ____________________________
- Dam or Impoundment name (if any): __________
- Dam/Property Owner(s): [ ] Federal [ ] State [ ] Local Gov. [ ] Private [ ] Abandoned [ ] Unknown
- Stream Name: ____________________________ Tributary to: ____________________________
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: _____ in Past Week: _____ in

Land Use Information
(Check any that apply)

Upstream: ____________________________ Downstream: ____________________________
- [ ] Forest
- [ ] Wetland
- [ ] Residential
- [ ] Urban
- [ ] Agriculture
- [ ] Park
- [ ] Industrial
- [ ] Other: ____________________________

Impoundment or Dam Use Information
(Check all that apply)
- [ ] Recreation
- [ ] Wildlife pond
- [ ] Waterfront development
- [ ] Hydropower
- [ ] Water supply
- [ ] Flood control
- [ ] Other: [ ] None / [ ] No Impoundment

Structural Information (check all appropriate):

<table>
<thead>
<tr>
<th>Barrier Type</th>
<th>Construction Materials</th>
<th>Other Site Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Earthen Berm</td>
<td>[ ] Concrete</td>
<td>[ ] Emergency Spillway</td>
</tr>
<tr>
<td>[ ] Dam Wall (no overflow)</td>
<td>[ ] Earth</td>
<td>[ ] Stream Diversion or Canal</td>
</tr>
<tr>
<td>[x] Open Crest spanning stream</td>
<td>[ ] Wood</td>
<td>[ ] Retaining Walls</td>
</tr>
<tr>
<td>[ ] Open crest channelizing flow</td>
<td>[ ] Rock</td>
<td>[ ] Low level outlet</td>
</tr>
<tr>
<td>[ ] Debris Jam</td>
<td>[ ] Metal</td>
<td>[ ] Gates</td>
</tr>
<tr>
<td>[ ] Stoplogs or Flashboards</td>
<td>[ ] Screen</td>
<td>[ ] Rip-Rap</td>
</tr>
<tr>
<td>[ ] Beaver dam</td>
<td>[ ] Other: ________</td>
<td>[ ] Fish passage Structure</td>
</tr>
<tr>
<td>[ ] Undersized culvert</td>
<td></td>
<td>[ ] Vehicle access</td>
</tr>
<tr>
<td>[ ] Natural Falls</td>
<td></td>
<td>[ ] Attached or Adjacent Buildings</td>
</tr>
<tr>
<td>[ ] Other: ____________________________</td>
<td></td>
<td>[ ] Other: ________</td>
</tr>
</tbody>
</table>

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
- [ ] Widening
- [ ] Deepening
- [ ] Loss of channel/Partially Lake
- [ ] Change to lake/pond
- [ ] Wetland/Flooding
- [ ] None

Is there evidence of erosion?
(Check all that apply)

Upstream: ____________________________ At Structure: ____________________________ Downstream: ____________________________
- [ ] Overtopping
- [ ] Gullies
- [ ] Bank Failure
- [ ] Undercut Banks

Vertical Characteristics:
- Height of Head: _____ ft
- Freeboard Available: _____ ft

Direct Stream Measurements:

Stream: ____________________________
- Widest Impoundment Width: _____ ft
- Impoundment Length: _____ ft
- Estimated Area of Impoundment: _____
- Width After Plunge Pool: _____ ft

Spillway: ____________________________
- Width: _____ ft
- Length: _____ ft
- Number of Interruptions or Steps: _____
- Water Velocity: _____ ft
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
  Reasoning/Justification:
- Does the dam have the ability to regulate water level? □ Y ☑ N
- Is it being actively managed? □ Y ☑ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? □ Y ☑ N
- Are there any invasive species present? □ Y ☑ N If so, which?

Photo Documentation: Please number the photos in the order you take them.
  Downstream Face: _______ Upstream Face: _______ Downstream View: _______ Upstream View: _______ Others: _______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: __________  Latitude: __________  Longitude: __________
- County: Van Buren  T/R/Sec: __________
- Access Road: M-40  Dam or Impoundment name (if any): __________
- Dam/Property Owner(s): ☐ Federal  ☐ State  ☐ Local Gov.  ☐ Private  ☐ Abandoned  ☐ Unknown
- Stream Name: Pew Pew River - E Branch to: Pew Pew River
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: _____ in  Past Week: 2+ in

Land Use Information
(Choice any that apply)
- Upstream: ☒ Forest  ☐ Wetland  ☐ Residential  ☐ Urban  ☐ Agriculture  ☐ Park  ☐ Industrial  ☐ Other: Commercial
- Downstream: ☒ Forest  ☐ Wetland  ☐ Residential  ☐ Urban  ☐ Agriculture  ☐ Park  ☐ Industrial  ☐ Other: Commercial

Impoundment or Dam Use Information
(Choice all that apply)
- Recreation  ☐ Wildlife pond  ☐ Waterfront development  ☐ Hydropower  ☐ Water supply  ☐ Flood control  ☐ Other: None

Structural Information (check all appropriate):
- Barrier Type: ☐ Earthen Berm  ☐ Dam Wall (no overflow)  ☐ Open Crest channelizing flow  ☐ Debris Jam  ☐ Stoplogs or Flashboards  ☐ Beaver dam  ☐ Undersized culvert  ☐ Natural Falls  ☐ Other: __________
- Construction Materials: ☒ Concrete  ☐ Earth  ☐ Wood  ☐ Rock  ☐ Metal  ☐ Screen  ☐ Other: __________
- Other Site Features: ☐ Emergency Spillway  ☐ Stream Diversion or Canal  ☐ Retaining Walls  ☐ Low level outlet  ☐ Gates  ☐ Rip-Rap  ☐ Fish passage Structure  ☐ Vehicle access  ☐ Attached or Adjacent Buildings  ☐ Other: __________

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
- Widening  ☒ Deepening  ☐ Loss of channel/Partially Lake  ☐ Change to lake/pond  ☐ Wetland/Flooding  ☐ None

Direct Stream Measurements:
- Stream:
  - Widest Impoundment Width: 50 ft
  - Impoundment Length: __________ ft
  - Estimated Area of Impoundment: __________
- Spillway:
  - Width: 4 ft - 40
  - Length: 10 ft
  - Number of Interruptions or Steps: __________
  - Water Velocity: 5 +

Is there evidence of erosion?
(Check all that apply)
- Upstream:
  - Overtopping  ☐ Gullies  ☐ Bare Soil  ☐ Bank Failure  ☐ Undercut Banks
  - At Structure:  ☐ Overfall/Breach  ☐ Access Paths/Trails  ☐ Gullies  ☐ Bare Soil  ☐ Bank Failure  ☐ Undercut Banks
  - Downstream:  ☒ Plunge Pool  ☐ Scour  ☐ Gullies  ☐ Bare Soil  ☐ Bank Failure  ☐ Undercut Banks

Vertical Characteristics:
- Height of Head: 10 ft
- Freeboard Available: __________ ft
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, ☑️, 2, 1
  Reasoning/Justification:
- Does the dam have the ability to regulate water level? ☑️ Y ☐ N
- Is it being actively managed? ☑️ Y ☒ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? ☑️ Y ☒ N
- Are there any invasive species present? ☑️ Y ☐ N If so, which? ____________________________

Photo Documentation: Please number the photos in the order you take them.
  Downstream Face:______ Upstream Face:_______ Downstream View:______ Upstream View:_______ Others:______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
PAW PAW LUMBER COMPANY DAM
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint:________
- Latitude:________
- Longitude:________
- County:________
- T/R/Sec.:________
- Access Road:________
- Dam or Impoundment name (if any):________
- Dam/Property Owner(s):□Federal □State □Local Gov. □Private □Abandoned □Unknown
- Stream Name:________
- Tributary to: Rocky River
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: _______ in Past Week: _______ in

Land Use Information
(Check any that apply)

Upstream:____________
- Forest
- Wetland
- Residential
- Urban
- Agriculture
- Park
- Industrial
- Other:________

Downstream:________
- Forest
- Wetland
- Residential
- Urban
- Agriculture
- Park
- Industrial
- Other:________

Impoundment or Dam Use Information
(Check all that apply)

- Recreation
- Wildlife pond
- Waterfront development
- Hydropower
- Water supply
- Flood control
- Other:________

Structural Information (check all appropriate):

<table>
<thead>
<tr>
<th>Barrier Type</th>
<th>Construction Materials</th>
<th>Other Site Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earthen Berm</td>
<td>□ Concrete</td>
<td>□ Emergency Spillway</td>
</tr>
<tr>
<td>Dam Wall(no overflow)</td>
<td>□ Earth</td>
<td>□ Stream Diversion or Canal</td>
</tr>
<tr>
<td>Open Crest spanning stream</td>
<td>□ Wood</td>
<td>□ Retaining Walls</td>
</tr>
<tr>
<td>Open crest channelizing flow</td>
<td>□ Rock</td>
<td>□ Low level outlet</td>
</tr>
<tr>
<td>Debris Jam</td>
<td>□ Metal</td>
<td>□ Gates</td>
</tr>
<tr>
<td>stoplogs or Flashboards</td>
<td>□ Screen</td>
<td>□ Rip-Rap</td>
</tr>
<tr>
<td>Beaver dam</td>
<td>□ Other:________</td>
<td>□ Fish passage Structure</td>
</tr>
<tr>
<td>Undersized culvert</td>
<td>□ Other:________</td>
<td>□ Vehicle access</td>
</tr>
<tr>
<td>Natural Falls</td>
<td>□ Other:________</td>
<td>□ Attached or Adjacent Buildings</td>
</tr>
<tr>
<td>Other:________</td>
<td>□ Other:________</td>
<td>Other:________</td>
</tr>
</tbody>
</table>

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)

□ Widening
□ Deepening
□ Loss of channel/Partially Lake
□ Change to lake/pond
□ Wetland/Flooding
□ None

Is there evidence of erosion?
(Check all that apply)

<table>
<thead>
<tr>
<th>Upstream:</th>
<th>At Structure:</th>
<th>Downstream:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overtopping</td>
<td>□Overflow/Breach</td>
<td>□Plunge Pool</td>
</tr>
<tr>
<td>Gullies</td>
<td>□Access Paths/Trails</td>
<td>□Scour</td>
</tr>
<tr>
<td>Bare Soil</td>
<td>□Gullies</td>
<td>□Gullies</td>
</tr>
<tr>
<td>Bank Failure</td>
<td>□Bare Soil</td>
<td>□Bare Soil</td>
</tr>
<tr>
<td>Undercut Banks</td>
<td>□Bank Failure</td>
<td>□Bank Failure</td>
</tr>
</tbody>
</table>

Direct Stream Measurements:

<table>
<thead>
<tr>
<th>Stream:</th>
<th>Spillway:</th>
<th>Vertical Characteristics:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Widest Impoundment Width:</td>
<td>_______ ft</td>
<td>Height of Head: _______ ft</td>
</tr>
<tr>
<td>Impoundment Length:</td>
<td>_______ ft</td>
<td>Freeboard Available _______ ft</td>
</tr>
<tr>
<td>Estimated Area of Impoundment:</td>
<td>_______</td>
<td></td>
</tr>
<tr>
<td>Width After Plunge Pool:</td>
<td>_______ ft</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Width: _______ ft</td>
<td>Number of Interruptions or Steps: _______</td>
</tr>
<tr>
<td></td>
<td>Length: _______ ft</td>
<td>Water Velocity: _______ ft</td>
</tr>
</tbody>
</table>
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
  Reasoning/Justification:
- Does the dam have the ability to regulate water level? □ Y □ N
- Is it being actively managed? □ Y □ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? □ Y □ N
- Are there any invasive species present? □ Y □ N If so, which?

Photo Documentation: Please number the photos in the order you take them.
- Downstream Face: ______ Upstream Face: ______ Downstream View: ______ Upstream View: ______ Others: ______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
- Overhead view

Side view
Huron Pines Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: ____________
- Latitude: ____________
- Longitude: ____________
- County: ____________
- T/R/Sec.: ____________
- Access Road: ____________ M 51
- Dam or Impoundment name (if any): ____________
- Dam/Property Owner(s): □ Federal □ State □ Local Gov. □ Private □ Abandoned □ Unknown
- Stream Name: ____________
- Tributary to: ____________ St. Joe
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: ______ in
- Past Week: ______ in

Land Use Information
(Check any that apply)
- Upstream: □ Forest □ Wetland □ Residential □ Urban □ Agriculture □ Park □ Industrial □ Other: ____________
- Downstream: □ Forest □ Wetland □ Residential □ Urban □ Agriculture □ Park □ Industrial □ Other: ____________

Impoundment or Dam Use Information
(Check all that apply)
- Recreational
- Wildlife pond
- Waterfront development
- Hydropower
- Water supply
- Flood control
- Other: ____________

Structural Information (check all appropriate):
- Barrier Type: □ Earthen Berm □ Dam Wall (no overflow) □ Open Crest spanning stream □ Open crest channelizing flow □ Debris Jam □ Stoplogs or Flashboards □ Beaver dam □ Undersized culvert □ Natural Falls □ Other: ____________
- Construction Materials: □ Concrete □ Earth □ Wood □ Rock □ Metal □ Screen □ Other: ____________
- Other Site Features: □ Emergency Spillway □ Stream Diversion or Canal □ Retaining Walls □ Low level outlet □ Gates □ Rip-Rap □ Fish passage Structure □ Vehicle access □ Attached or Adjacent Buildings □ Other: ____________

Is there evidence of erosion?
(Check all that apply)
- Upstream: □ Overtopping □ Gullies □ Bare Soil □ Bank Failure □ Undercut Banks
- At Structure: □ Overflow/Breach □ Access Paths/Trails □ Gullies □ Bare Soil □ Bank Failure □ Undercut Banks
- Downstream: □ Plunge Pool □ Scour □ Gullies □ Bare Soil □ Bank Failure □ Undercut Banks

Direct Stream Measurements:
- Stream:
  - Widest Impoundment Width: 100 ft
  - Impoundment Length: 3,500 ft
  - Estimated Area of Impoundment:
- Spillway:
  - Width: 120 ft
  - Length: 10 ft
  - Number of Interruptions or Steps:
  - Water Velocity:
- Vertical Characteristics:
  - Height of Head: 15 ft
  - Freeboard Available: 5 ft
Other Pertinent Information:

- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
  Reasoning/Justification:
- Does the dam have the ability to regulate water level? ✔ Y ☐ N
- Is it being actively managed? ☑ Y ☐ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested? ✔ 5
- Is another barrier (dam or road crossing) visible up or downstream? ☑ Y ☐ N
- Are there any invasive species present? ☑ Y ☐ N If so, which?

Photo Documentation: Please number the photos in the order you take them.

Downstream Face: _______ Upstream Face: _______ Downstream View: _______ Upstream View: _______ Others: _______

Site Sketch (Please Mark Photo Numbers on Site Sketch)

Overhead view

Side view
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: ___________
- Latitude: ___________ Longitude: ___________
- County: Branch
- T/R/Sec.: 15S 26R W, Sec. 23
- Access Road: Stanier
- Dam or Impoundment name (if any): Stanier

- Dam/Property Owner(s): [ ] Federal [ ] State [ ] Local Gov. [ ] Private [ ] Abandoned [x] Unknown
- Stream Name: Coldwater
- Tributary to: St. Joe
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: _______ in Past Week: _______ in

Land Use Information
(Select any that apply)
- Upstream:
  - [x] Forest
  - [x] Wetland
  - [x] Residential
  - [ ] Urban
  - [x] Agriculture
  - [ ] Park
  - [ ] Industrial
  - [ ] Other: _______

- Downstream:
  - [x] Forest
  - [x] Wetland
  - [ ] Residential
  - [ ] Urban
  - [x] Agriculture
  - [ ] Park
  - [ ] Industrial
  - [ ] Other: _______

Impoundment or Dam Use Information
(Select all that apply)
- [ ] Recreation
- [ ] Wildlife pond
- [ ] Waterfront development
- [ ] Hydropower
- [ ] Water supply
- [ ] Flood control
- [x] Other: None

Structural Information (check all appropriate):
- Barrier Type
  - [ ] Earthen Berm
  - [x] Open Crest spanning stream
  - [ ] Open crest channelizing flow
  - [ ] Debris Dam
  - [ ] Stoplogs or Flashboards
  - [ ] Beaver dam
  - [ ] Undersized culvert
  - [ ] Natural Falls
  - [ ] Other: _______

- Construction Materials
  - [x] Concrete
  - [ ] Earth
  - [ ] Wood
  - [ ] Rock
  - [ ] Metal
  - [ ] Screen
  - [ ] Other: _______

- Other Site Features
  - [ ] Emergency Spillway
  - [ ] Stream Diversion or Canal
  - [ ] Retaining Walls
  - [ ] Low level outlet
  - [ ] Gates
  - [ ] Rip-Rap
  - [ ] Fish passage Structure
  - [ ] Vehicle access
  - [ ] Attached or Adjacent Buildings
  - [x] Other: Bridge - historic clear span

Upstream Conditions:
(Mark evident changes to the stream caused by the barrier)
- [ ] Widening
- [ ] Deepening
- [ ] Loss of channel/Partially Lake
- [ ] Change to lake/pond
- [ ] Wetland/Flooding
- [ ] None

Is there evidence of erosion?
(Select all that apply)
- Upstream:
  - [ ] Overtopping
  - [x] Gullies
  - [ ] Bare Soil
  - [ ] Bank Failure
  - [ ] Undercut Banks
- At Structure:
  - [ ] Overflow/Breach
  - [x] Access Paths/Trails
  - [x] Gullies
  - [ ] Bare Soil
  - [ ] Bank Failure
  - [ ] Undercut Banks
- Downstream:
  - [ ] Plunge Pool
  - [ ] Scour
  - [ ] Gullies
  - [ ] Bare Soil
  - [ ] Bank Failure
  - [ ] Undercut Banks

Direct Stream Measurements:
- Stream:
  - Widest Impoundment Width: 110 ft
  - Impoundment Length: 2000 ft
  - Estimated Area of Impoundment:
- Spillway:
  - Width: _______ ft 30 x 3
  - Length: 20 ft
  - Number of Interruptions or Steps: 1
  - Water Velocity: _______ +
- Vertical Characteristics:
  - Height of Head: _______ ft
  - Freeboard Available: _______ ft
Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 1
  Reasoning/Justification:
- Does the dam have the ability to regulate water level? □ Y ☑ N
- Is it being actively managed? □ Y ☑ N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?
- Is another barrier (dam or road crossing) visible up or downstream? □ Y ☑ N
- Are there any invasive species present? □ Y ☑ N If so, which?

Photo Documentation: Please number the photos in the order you take them.
  Downstream Face: ______ Upstream Face: ______ Downstream View: ______ Upstream View: ______ Others: ______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
STANCER DAM

UPSTREAM OF STANCER DAM
St. Joseph Watershed Dam Inventory Data Form

Site Location Information:
- GPS Waypoint: ____________________________
- Latitude: ____________________________
- Longitude: ____________________________
- County: ____________________________
- T/R/Sec.: ____________________________
- Access Road: ____________________________
- Dam or Impoundment name (if any): ____________________________
- Dam/Property Owner(s): ____________________________
- Stream Name: ____________________________
- Tributary to: ____________________________
- Recent Precipitation (web source such as wunderground.com): Past 24 hours: ___________ in  
  Past Week: ___________ in

Land Use Information
- Check any that apply
  - Upstream: ____________________________
  - Downstream: ____________________________
  - x Forest
  - x Wetland
  - x Residential
  - x Urban
  - x Agriculture
  - x Park
  - x Industrial
  - x Other: ____________________________

Impoundment or Dam Use Information
- Check all that apply
  - x Recreation
  - x Wildlife pond
  - x Waterfront development
  - x Hydropower
  - x Water supply
  - x Flood control
  - x Other: ____________________________

Structural Information (check all appropriate):
- Barrier Type
  - Earthen Berm
  - Dam Wall (no overflow)
  - Open Crest spanning stream
  - Open crest channelizing flow
  - Debris Dam
  - Stoplogs or Flashboards
  - Beaver Dam
  - Undersized culvert
  - Natural Falls
  - Other: ____________________________

- Construction Materials
  - x Concrete
  - Earth
  - x Wood
  - Rock
  - Metal
  - Screen
  - Other: ____________________________

- Other Site Features
  - Emergency Spillway
  - Stream Diversion or Canal
  - Retaining Walls
  - Low level outlet
  - Gates
  - Rip-Rap
  - Fish passage Structure
  - Vehicle access
  - Attached or Adjacent Buildings
  - Other: ____________________________

Upstream Conditions:
- (Mark evident changes to the stream caused by the barrier)
  - x Widening
  - x Deepening
  - x Loss of channel/Partially Lake
  - Change to lake/pond
  - Wetland/Flooding
  - None

Is there evidence of erosion?
- (Check all that apply)
  - Upstream: ____________________________
  - At Structure: ____________________________
  - Downstream: ____________________________
  - x Overtopping
  - Gullies
  - x Access Paths/Trails
  - x Bare Soil
  - Bank Failure
  - x Undercut Banks
  - x Plunge Pool
  - Gullies
  - x Bare Soil
  - Bank Failure
  - x Undercut Banks
  - x Scour
  - x Undercut
  - Banks

Direct Stream Measurements:
- Stream: ____________________________
- Spillway: ____________________________
- Vertical Characteristics: ____________________________
  - Widest Impoundment Width: ___________ ft
  - Impoundment Length: ___________ ft
  - Estimated Area of Impoundment: ___________ ft
  - Width After Plunge Pool: ___________ ft
  - Height of Head: ___________ ft
  - Freeboard Available: ___________ ft
  - Number of Interruptions or Steps: ____________________________
  - Water Velocity: ____________________________
Site ID:  Star Mill Dam  Inventory by:  Deegan  Date:  8/19/14

Other Pertinent Information:
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
  Reasoning/Justification:  Old dam, lack of maintenance
- Does the dam have the ability to regulate water level?  Y  □  N
- Is it being actively managed?  Y  □  N
- Based on MDNRE contamination flowchart (included in instructions), should sediments be tested?  N  □  S
- Is another barrier (dam or road crossing) visible up or downstream?  Y  □  N  Stream crossing
- Are there any invasive species present?  Y  □  N  If so, which?  Purple loosestrife

Photo Documentation:  Please number the photos in the order you take them.
Downstream Face:  _______  Upstream Face:  _______  Downstream View:  _______  Upstream View:  _______  Others:  _______

Site Sketch (Please Mark Photo Numbers on Site Sketch)
Overhead view

Side view
DOWNSTREAM OF STAR MILLING DAM

STAR MILLING HYDRO PLANT
There is no data sheet for Upper Mill Dam.