

Site ID: Adams Dam

Inventoried by: Small

Date: 05/24/14

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____
 County: Van Buren T/R/Sec.: T3S, R13W Sec 21
 Access Road Springbrook Dr Dam or Impoundment name (if any): Adams Dam
 Dam/Property Owner(s): Federal State Local Gov. Private Abandoned Unknown
 Stream Name: E Branch Paw Paw Tributary to: Paw Paw
 Recent Precipitation (web source such as wunderground.com): Past 24 hours: _____ in Past Week: _____ in

Land Use Information

(Check any that apply)

Upstream:	Downstream:
<input type="checkbox"/> Forest	<input checked="" type="checkbox"/> Forest
<input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Wetland
<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Residential
<input type="checkbox"/> Urban	<input type="checkbox"/> Urban
<input type="checkbox"/> Agriculture	<input type="checkbox"/> Agriculture
<input type="checkbox"/> Park	<input type="checkbox"/> Park
<input type="checkbox"/> Industrial	<input type="checkbox"/> Industrial
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____

Impoundment or Dam Use Information

(Check all that apply)

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

*Hoss Adams original developer
 LaVern Rice - Resident*

Structural Information (check all appropriate):

Barrier Type	Construction Materials	Other Site Features
<input type="checkbox"/> Earthen Berm	<input checked="" type="checkbox"/> Concrete	<input type="checkbox"/> Emergency Spillway
<input type="checkbox"/> Dam Wall (no overflow)	<input type="checkbox"/> Earth	<input type="checkbox"/> Stream Diversion or Canal
<input checked="" type="checkbox"/> Open Crest spanning stream	<input type="checkbox"/> Wood	<input checked="" type="checkbox"/> Retaining Walls
<input type="checkbox"/> Open crest channelizing flow	<input type="checkbox"/> Rock	<input type="checkbox"/> Low level outlet
<input type="checkbox"/> Debris Jam	<input type="checkbox"/> Metal	<input type="checkbox"/> Gates
<input type="checkbox"/> Stoplogs or Flashboards	<input type="checkbox"/> Screen	<input type="checkbox"/> Rip-Rap
<input type="checkbox"/> Beaver dam	<input type="checkbox"/> Other: <u>steel sheeting on sides to prevent bypass</u>	<input type="checkbox"/> Fish passage Structure
<input type="checkbox"/> Undersized culvert		<input type="checkbox"/> Vehicle access
<input type="checkbox"/> Natural Falls		<input type="checkbox"/> Attached or Adjacent Buildings
<input type="checkbox"/> Other: _____		<input type="checkbox"/> 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:
<input type="checkbox"/> Overtopping	<input type="checkbox"/> Overflow/Breach	<input type="checkbox"/> Plunge Pool
<input type="checkbox"/> Gullies	<input type="checkbox"/> Access Paths/Trails	<input type="checkbox"/> Scour
<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Gullies	<input type="checkbox"/> Gullies
<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Bare Soil
<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bank Failure
	<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Undercut Banks

Direct Stream Measurements:

Stream:
 Widest Impoundment Width: 300 ft
 Impoundment Length: 1000 ft
 Estimated Area of Impoundment: _____
 Width After Plunge Pool: _____ ft

Spillway:

Width: 25 ft
 Length: 20 ft
 Number of Interruptions or Steps: 2
 Water Velocity: 4 ft

Vertical Characteristics:

Height of Head: 4 ft
 Freeboard Available: _____ ft

Site ID: Adams Dam

Inventoried by: Snell

Date:

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



ADAMS ST DAM



ADAMS ST DAM POND

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint Latitude: 35° 48' 35.016" W Longitude: 41° 30' 51.276" N
 County: Elkhart T/R/Sec.: 35N / SE / SE (or S 3
 Access Road CR 142 / CR 29 Dam or Impoundment name (if any): Baintertown 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: 0 in Past Week: in

Land Use Information

(Check any that apply)

Upstream:	Downstream:
<input checked="" type="checkbox"/> Forest	<input checked="" type="checkbox"/> Forest
<input checked="" type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Wetland
<input type="checkbox"/> Residential	<input type="checkbox"/> Residential
<input type="checkbox"/> Urban	<input type="checkbox"/> Urban
<input checked="" type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Agriculture
<input type="checkbox"/> Park	<input type="checkbox"/> Park
<input type="checkbox"/> Industrial	<input type="checkbox"/> Industrial
<input type="checkbox"/> Other: <u> </u>	<input type="checkbox"/> Other: <u> </u>

wide forest / swamp floodplain both sides

Impoundment or Dam Use Information

(Check all that apply)

Recreation
 Wildlife pond
 Waterfront development
 Hydropower
 Water supply
 Flood control
 Other: originally for hydropower

Structural Information (check all appropriate):

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

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:
<input type="checkbox"/> Overtopping	<input type="checkbox"/> Overflow/Breach	<input checked="" type="checkbox"/> Plunge Pool
<input type="checkbox"/> Gullies	<input type="checkbox"/> Access Paths/Trails	<input checked="" type="checkbox"/> Scour
<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Gullies	<input type="checkbox"/> Gullies
<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Bare Soil
<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bank Failure
	<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Undercut Banks

Direct Stream Measurements:

Stream:	Spillway:	Vertical Characteristics:
Widest Impoundment Width: <u>100 ft</u>	Width: <u>130 ft</u>	Height of Head: <u>5 ft</u>
Impoundment Length: <u>500 ft</u>	Length: <u>10 ft</u>	Freeboard Available <u> </u> ft
Estimated Area of Impoundment: <u>50,000 sq ft</u>	Number of Interruptions or Steps: <u>1</u>	
Width After Plunge Pool: <u>60 ft</u>	Water Velocity: <u>3 ft/Sec</u>	

Site ID :

Inventoried by :

Date:

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? 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



BAINTER TOWN DAM



UPSTREAM OF BAIINTER TOWN DAM

Site ID: Benton Dam

Inventoried by: D. Deegan

Date: 6/5/2011

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint ___ Latitude: 85°45'53.452"W Longitude: 41°30'12.9"N

County: Elkhart T/R/Sec.: 35N/R6E/S12

Access Road CR 31 Dam or Impoundment name (if any): Benton 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: 0 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: _____

Downstream is part of County Park

Impoundment or Dam Use Information

(Check all that apply)

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

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: _____

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: |
|---|--|---|
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input checked="" type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input type="checkbox"/> Access Paths/Trails | <input checked="" type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Undercut Banks |

Direct Stream Measurements:

Stream:

Widest Impoundment Width: 88 ft
 Impoundment Length: 850 ft
 Estimated Area of Impoundment:
74800 sq ft
 Width After Plunge Pool: 60 ft

Spillway:

Width: 130 ft
 Length: 10 ft
 Number of Interruptions or Steps: 1
 Water Velocity: 3 ft/sec

Vertical Characteristics:

Height of Head: 5 ft
 Freeboard Available: _____ ft

Site ID :

Inventoried by :

Date:

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

Site ID: Elkhart River Dam

Inventoried by: D. Deegen

Date: 6/5/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint Latitude: 35°58'3.591"W Longitude: 41°41'6.15"W
 County: Elkhart T/R/Sec.: T 37 N / R 4 E / SE (or S S)
 Access Road Waterfall Drive Dam or Impoundment name (if any): Elkhart River 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: 0 in Past Week: in

Land Use Information

(Check any that apply)

Upstream:	Downstream:
<input type="checkbox"/> Forest	<input type="checkbox"/> Forest
<input type="checkbox"/> Wetland	<input type="checkbox"/> Wetland
<input checked="" type="checkbox"/> Residential	<input checked="" type="checkbox"/> Residential
<input checked="" type="checkbox"/> Urban	<input checked="" type="checkbox"/> Urban
<input type="checkbox"/> Agriculture	<input type="checkbox"/> Agriculture
<input type="checkbox"/> Park	<input type="checkbox"/> Park
<input type="checkbox"/> Industrial	<input type="checkbox"/> Industrial
<input type="checkbox"/> Other: <u> </u>	<input type="checkbox"/> Other: <u> </u>

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):

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

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:
<input type="checkbox"/> Overtopping	<input type="checkbox"/> Overflow/Breach	<input checked="" type="checkbox"/> Plunge Pool
<input type="checkbox"/> Gullies	<input type="checkbox"/> Access Paths/Trails	<input checked="" type="checkbox"/> Scour
<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Gullies	<input type="checkbox"/> Gullies
<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Bare Soil
<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Bank Failure	<input checked="" type="checkbox"/> Bank Failure
	<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Undercut Banks

Direct Stream Measurements:

Stream:	Spillway:	Vertical Characteristics:
Widest Impoundment Width: <u>180 ft</u>	Width: <u>30 ft</u>	Height of Head: <u>10 ft</u>
Impoundment Length: <u>2000 ft</u>	Length: <u>10 ft</u>	Freeboard Available <u> </u> ft
Estimated Area of Impoundment: <u>360,000 sq ft</u>	Number of Interruptions or Steps: <u>1</u>	
Width After Plunge Pool: <u>60 ft</u>	Water Velocity: <u>3 ft/Sec</u>	

Site ID :

Inventoried by :

Date:

Other Pertinent Information:

- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, (3) 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? *Grizzard 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



DOWNSTREAM ELKHART RIVER DAM



UPSTREAM OF ELKHART RIVER DAM

Site ID: Fox + Bear

Inventoried by: Small

Date: 05/24/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint __ Latitude: _____ Longitude: _____
County: Kalamazoo T/R/Sec.: _____
Access Road _____ Dam or Impoundment name (if any): _____
Dam/Property Owner(s): Federal State Local Gov. Private Abandoned Unknown
Stream Name: Hawerfield CR Tributary to: Rocky Run
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: Golf course

- Forest
- Wetland
- Residential
- Urban
- Agriculture
- Park
- Industrial
- Other: golf

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

Construction Materials

Other Site Features

- 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: _____

- Concrete
- Earth
- Wood
- Rock
- Metal
- Screen
- Other: _____

- 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: |
|---|--|---|
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input type="checkbox"/> Access Paths/Trails | <input type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Undercut Banks |

Direct Stream Measurements:

Stream:

Widest Impoundment Width: 300 ft
Impoundment Length: 1350 ft
Estimated Area of Impoundment: 7-10 acres
Width After Plunge Pool: _____ ft

Spillway:

Width: 10 ft
Length: 45 ft
Number of Interruptions or Steps: 3
Water Velocity: 57

Vertical Characteristics:

Height of Head: 10 ft
Freeboard Available — ft

Site ID: Fox & Bear

Inventoried by:

Date:

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 n/s side (piping)
- 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

Rawsans King's Mill Portage

Site ID: Kings Mill Dam

Inventoried by: AS JM

Date: 03/22/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint Latitude: Longitude:
County: St. Joseph T/R/Sec.: T55, R9W, Sec 16
Access Road King Dam or Impoundment name (if any):
Dam/Property Owner(s): Private
Stream Name: Nottawanna ck 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:

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

Construction Materials

Other Site Features

- Earthen Berm, Dam Wall, Open Crest, Debris Jam, Stoplogs, Beaver dam, Undersized culvert, Natural Falls, Concrete, Earth, Wood, Rock, Metal, Screen, Other, Emergency Spillway, Stream Diversion, 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, 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:

Spillway:

Vertical Characteristics:

Widest Impoundment Width: ft Impoundment Length: ft Estimated Area of Impoundment:
Width: 100 ft Length: ft Number of Interruptions or Steps: 2 Water Velocity: ft/s
Height of Head: 10 ft Freeboard Available: ft

Width After Plunge Pool: ft

large impoundment nice wetland

Site ID: Kings Mill Dam

Inventoried by:

Date:

Other Pertinent Information:

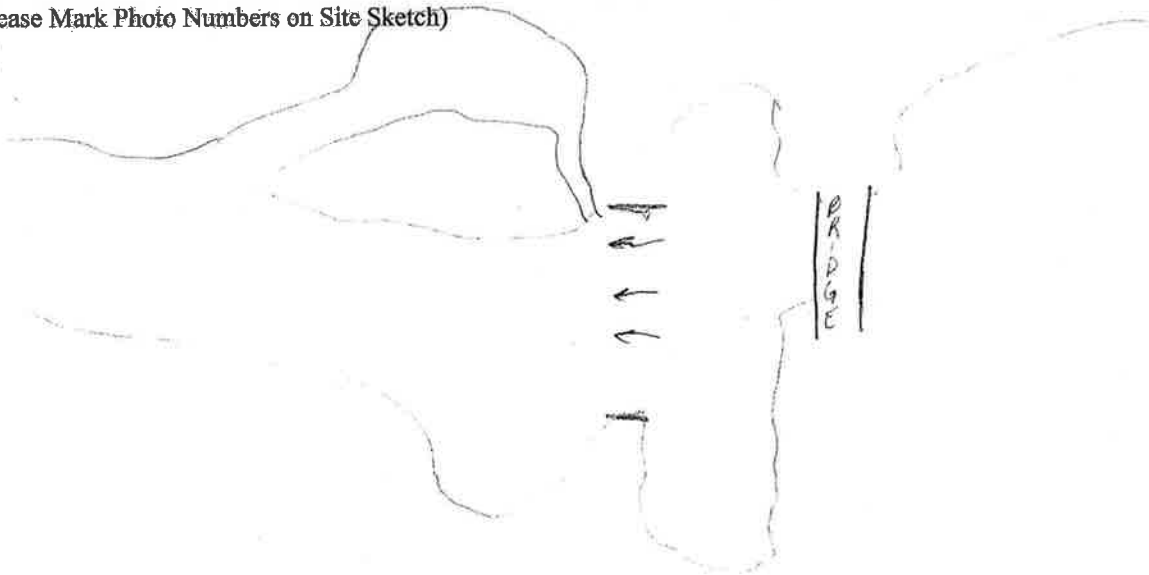
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
Reasoning/Justification:
- Does the dam have the ability to regulate water level? Y N
- Is it being actively managed? Y N
- Based on MDNRE contamination flowchart (included in instructions), should sediments 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.

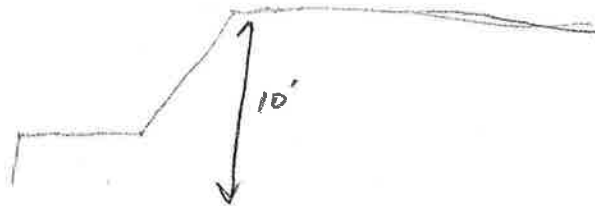
Downstream Face: _____ Upstream Face: _____ Downstream View: _____ Upstream View: _____ Others: _____

Site Sketch (Please Mark Photo Numbers on Site Sketch)

Overhead view



Side view





DOWNSTREAM OF KINGS MILL DAM



UPSTREAM OF KINGS MILL DAM

Site ID: Leonidas Roller Mill Inventoried by: Smell Date: 05/24/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____
County: St. Joseph T/R/Sec.: T55, R9W, Sec. 16
Access Road Fulton Dam or Impoundment name (if any): Leonidas Roller Mill
Dam/Property Owner(s): Federal State Local Gov. Private Abandoned Unknown
Stream Name: Nottawa CK 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 - one house
- 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
- 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: |
|---|--|---|
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input type="checkbox"/> Access Paths/Trails | <input type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Undercut Banks |

Direct Stream Measurements:

Stream:

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

Spillway:

Width: ~35 ft
Length: 30 ft
Number of Interruptions or Steps: 2
Water Velocity: 4

Vertical Characteristics:

Height of Head: 7 ft
Freeboard Available 1 ft

W. 02/20/11

Site ID: Leomidus

Inventoried by :

Date:

Other Pertinent Information:

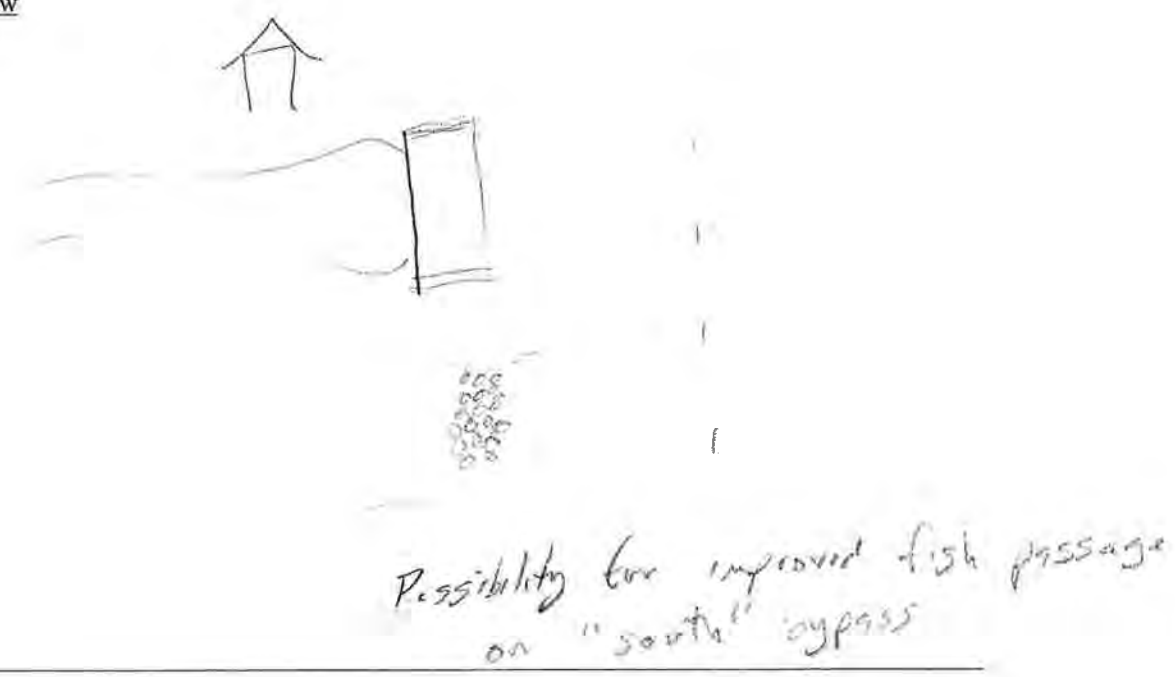
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
Reasoning/Justification:
- Does the dam have the ability to regulate water level? Y N
- Is it being actively managed? Y N
- Based on MDNRE contamination flowchart (included in instructions), should sediments 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



LEONIDUS ROLLER MILL DAM



LEONIDUS ROLLER MILL DAM, SOUTH BYPASS

Site ID: LEVANCE

Inventoried by: Snell

Date: 07/29/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____
 County: St. Joseph T/R/Sec.: T6S, R12W Sec 14
 Access Road driveway 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: 2+ in

Land Use Information

(Check any that apply)

Upstream:	Downstream:
<input checked="" type="checkbox"/> Forest	<input checked="" type="checkbox"/> Forest
<input checked="" type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Wetland
<input type="checkbox"/> Residential	<input type="checkbox"/> Residential
<input type="checkbox"/> Urban	<input type="checkbox"/> Urban
<input type="checkbox"/> Agriculture	<input type="checkbox"/> Agriculture
<input checked="" type="checkbox"/> Park	<input type="checkbox"/> Park
<input type="checkbox"/> Industrial	<input type="checkbox"/> Industrial
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____

vertical measurement

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	Construction Materials	Other Site Features
<input checked="" type="checkbox"/> Earthen Berm	<input checked="" type="checkbox"/> Concrete	<input type="checkbox"/> Emergency Spillway
<input type="checkbox"/> Dam Wall (no overflow)	<input checked="" type="checkbox"/> Earth	<input checked="" type="checkbox"/> Stream Diversion or Canal <i>old mill</i>
<input type="checkbox"/> Open Crest spanning stream	<input type="checkbox"/> Wood	<input checked="" type="checkbox"/> Retaining Walls
<input type="checkbox"/> Open crest channelizing flow	<input type="checkbox"/> Rock	<input type="checkbox"/> Low level outlet
<input type="checkbox"/> Debris Jam	<input type="checkbox"/> Metal	<input type="checkbox"/> Gates
<input checked="" type="checkbox"/> Stoplogs or Flashboards	<input type="checkbox"/> Screen	<input type="checkbox"/> Rip-Rap
<input type="checkbox"/> Beaver dam	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Fish passage Structure
<input type="checkbox"/> Undersized culvert		<input type="checkbox"/> Vehicle access
<input type="checkbox"/> Natural Falls		<input type="checkbox"/> Attached or Adjacent Buildings
<input type="checkbox"/> Other: _____		<input type="checkbox"/> 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:
<input type="checkbox"/> Overtopping	<input type="checkbox"/> Overflow/Breach	<input type="checkbox"/> Plunge Pool
<input type="checkbox"/> Gullies	<input type="checkbox"/> Access Paths/Trails	<input type="checkbox"/> Scour
<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Gullies	<input type="checkbox"/> Gullies
<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Bare Soil
<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bank Failure
	<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Undercut Banks

Direct Stream Measurements:

Stream:
 Widest Impoundment Width: 100 ft
 Impoundment Length: 500 ft
 Estimated Area of Impoundment: _____
 Width After Plunge Pool: 10 ft

Spillway:
 Width: 10 ft
 Length: 15 ft
 Number of Interruptions or Steps: 1
 Water Velocity: 5x

Vertical Characteristics:
 Height of Head: 10 ft
 Freeboard Available: 1 ft

** Dam... + interest in removal*

Site ID: Levanna

Inventoried by: Smell

Date: 07/29/11

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



LEVERAGE DAM



UPSTREAM OF LEVERAGE DAM

Site ID: McLoy Creek Dam

Inventoried by: Snell + Deegen

Date: 4/14

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____

County: Bernheim T/R/Sec.: _____

Access Road Dewey Road Dam or Impoundment name (if any): McLoy Creek Dam

Dam/Property Owner(s): Federal State Local Gov. Private Abandoned Unknown

Stream Name: McLoy Creek Tributary to: St. Joe River

Recent Precipitation (web source such as wunderground.com): Past 24 hours: _____ in Past Week: 0.5 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: small pond in park setting

Structural Information (check all appropriate):

Barrier Type

Construction Materials

Other Site Features

- | | | |
|--|--|---|
| <input type="checkbox"/> Earthen Berm | <input checked="" type="checkbox"/> Concrete | <input type="checkbox"/> Emergency Spillway |
| <input type="checkbox"/> Dam Wall(no overflow) | <input type="checkbox"/> Earth | <input type="checkbox"/> Stream Diversion or Canal |
| <input type="checkbox"/> Open Crest spanning stream | <input type="checkbox"/> Wood | <input checked="" type="checkbox"/> Retaining Walls |
| <input checked="" type="checkbox"/> Open crest channelizing flow | <input type="checkbox"/> Rock | <input type="checkbox"/> Low level outlet |
| <input type="checkbox"/> Debris Jam | <input type="checkbox"/> Metal | <input type="checkbox"/> Gates |
| <input type="checkbox"/> Stoplogs or Flashboards | <input type="checkbox"/> Screen | <input type="checkbox"/> Rip-Rap |
| <input type="checkbox"/> Beaver dam | <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Fish passage Structure |
| <input type="checkbox"/> Undersized culvert | | <input checked="" type="checkbox"/> Vehicle access |
| <input type="checkbox"/> Natural Falls | | <input checked="" type="checkbox"/> Attached or Adjacent Buildings |
| <input type="checkbox"/> Other: _____ | | <input type="checkbox"/> Other: <u>Flows under access rd + North building</u> |

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

Is there evidence of erosion?

(Check all that apply)

- All urban concrete

- | Upstream: | At Structure: | Downstream: |
|---|--|---|
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input type="checkbox"/> Access Paths/Trails | <input type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Undercut Banks |

Direct Stream Measurements:

Stream:

Spillway:

Vertical Characteristics:

- Widest Impoundment Width: 100 ft
- Impoundment Length: 100 ft
- Estimated Area of Impoundment: 10,000 sq ft
- Width After Plunge Pool: 18 ft
- Width: 30 ft
- Length: 2 ft
- Number of Interruptions or Steps: 1
- Water Velocity: 4+

- Height of Head: 5 ft
- Freeboard Available: 0 ft

Site ID: McLoyck Dam

Inventoried by :

Date:

Other Pertinent Information:

- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
Reasoning/Justification: cracked concrete water leaking @ bottom of spillway
- 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? Open to site

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



MCCOY DAM



UPSTREAM OF MCCOY DAM



MCCOY DAM DIVERSION

Site ID: Meyer Dam

Inventoried by: Small

Date: 05/24/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____
 County: Van Buren T/R/Sec.: T4S, R14W, S10 32
 Access Road 42nd - 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)

Upstream:

Downstream:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Forest | <input type="checkbox"/> Forest |
| <input checked="" type="checkbox"/> Wetland | <input checked="" type="checkbox"/> Wetland |
| <input type="checkbox"/> Residential | <input type="checkbox"/> Residential |
| <input type="checkbox"/> Urban | <input type="checkbox"/> Urban |
| <input type="checkbox"/> Agriculture | <input type="checkbox"/> Agriculture |
| <input type="checkbox"/> Park | <input type="checkbox"/> Park |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Industrial |
| <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Other: _____ |

Impoundment or Dam Use Information

(Check all that apply)

- | | |
|--|---|
| <input type="checkbox"/> Recreation | |
| <input type="checkbox"/> Wildlife pond | <i>Brother-in-law</i> |
| <input type="checkbox"/> Waterfront development | <i>lives at top of hill</i> |
| <input type="checkbox"/> Hydropower | <i>from Dam</i> |
| <input type="checkbox"/> Water supply | |
| <input type="checkbox"/> Flood control | <i>owner - Roy Christensen</i> |
| <input checked="" type="checkbox"/> Other: _____ | <i>Pond doesn't appear to be connected to stream?</i> |

Structural Information (check all appropriate):

Barrier Type

Construction Materials

Other Site Features

- | | | |
|--|--|---|
| <input type="checkbox"/> Earthen Berm | <input checked="" type="checkbox"/> Concrete | <input type="checkbox"/> Emergency Spillway |
| <input type="checkbox"/> Dam Wall (no overflow) | <input type="checkbox"/> Earth | <input type="checkbox"/> Stream Diversion or Canal |
| <input type="checkbox"/> Open Crest spanning stream | <input checked="" type="checkbox"/> Wood | <input checked="" type="checkbox"/> Retaining Walls |
| <input checked="" type="checkbox"/> Open crest channelizing flow | <input type="checkbox"/> Rock | <input type="checkbox"/> Low level outlet |
| <input type="checkbox"/> Debris Jam | <input type="checkbox"/> Metal | <input type="checkbox"/> Gates |
| <input checked="" type="checkbox"/> Stoplogs or Flashboards | <input type="checkbox"/> Screen | <input type="checkbox"/> Rip-Rap |
| <input type="checkbox"/> Beaver dam | <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Fish passage Structure |
| <input type="checkbox"/> Undersized culvert | | <input type="checkbox"/> Vehicle access |
| <input type="checkbox"/> Natural Falls | | <input type="checkbox"/> Attached or Adjacent Buildings |
| <input type="checkbox"/> Other: _____ | | <input type="checkbox"/> 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: |
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input type="checkbox"/> Access Paths/Trails | <input type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Undercut Banks |

Direct Stream Measurements:

Stream:

Widest Impoundment Width: None
 Impoundment Length: _____ ft
 Estimated Area of Impoundment: _____
 Width After Plunge Pool: _____ ft

Spillway:

Width: 9 ft
 Length: 24 ft
 Number of Interruptions or Steps: 1
 Water Velocity: 4+ - vertical

Vertical Characteristics:

Height of Head: 8-10 ft
 Freeboard Available: 5 ft

Site ID: Meyer Dam

Inventoried by:

Date:

Other Pertinent Information:

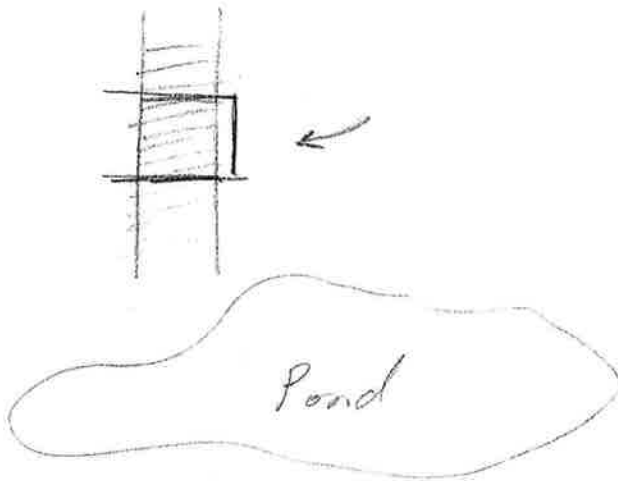
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
Reasoning/Justification:
- Does the dam have the ability to regulate water level? Y N
- Is it being actively managed? Y N
- Based on MDNRE contamination flowchart (included in instructions), should sediments 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.

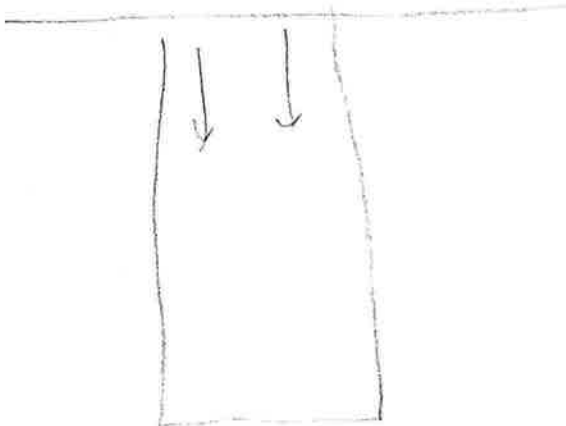
Downstream Face: _____ Upstream Face: _____ Downstream View: _____ Upstream View: _____ Others: _____

Site Sketch (Please Mark Photo Numbers on Site Sketch)

Overhead view



Side view





MEYER DAM



MEYER DAM FROM TOP

Site ID: Parkville Dam

Inventoried by: AS JM

Date: 03/22/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____
County: St. Joseph T/R/Sec.: T55, R11W, 23
Access Road 1/3 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

(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: None apparent

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: Steel I-beams ~ 2' OC

Construction Materials

- 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: | At Structure: | Downstream: |
|---|--|---|
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input type="checkbox"/> Access Paths/Trails | <input type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> 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 Interruptions or Steps: 1
Water Velocity: 4+ in center

Vertical Characteristics:

Height of Head: 1.5 ft
Freeboard Available _____ ft

Aerial

Site ID: Parkville Dam

Inventoried by: AS JM

Date:

Other Pertinent Information:

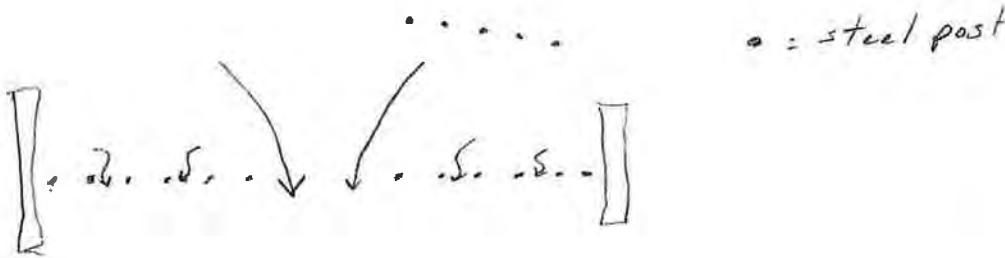
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, ①
- Reasoning/Justification:
- Does the dam have the ability to regulate water level? Y N
- Is it being actively managed? Y N
- Based on MDNRE contamination flowchart (included in instructions), should sediments 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

* High priority for improvement



PARKVILLE DAM

Site ID: Paw Pgw

Inventoried by: Small

Date: 05/24/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____
 County: Van Buren T/R/Sec.: T3S, R14W, Sec 14
 Access Road 36 1/2 St Dead end 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):

Barrier Type

Construction Materials

Other Site Features

- | | | |
|--|--|---|
| <input type="checkbox"/> Earthen Berm | <input checked="" type="checkbox"/> Concrete | <input type="checkbox"/> Emergency Spillway |
| <input type="checkbox"/> Dam Wall (no overflow) | <input type="checkbox"/> Earth | <input type="checkbox"/> Stream Diversion or Canal |
| <input checked="" type="checkbox"/> Open Crest spanning stream | <input type="checkbox"/> Wood | <input type="checkbox"/> Retaining Walls |
| <input type="checkbox"/> Open crest channelizing flow | <input type="checkbox"/> Rock | <input type="checkbox"/> Low level outlet |
| <input type="checkbox"/> Debris Jam | <input checked="" type="checkbox"/> Metal | <input type="checkbox"/> Gates |
| <input type="checkbox"/> Stoplogs or Flashboards | <input type="checkbox"/> Screen | <input checked="" type="checkbox"/> Rip-Rap |
| <input type="checkbox"/> Beaver dam | <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Fish passage Structure |
| <input type="checkbox"/> Undersized culvert | | <input checked="" type="checkbox"/> Vehicle access |
| <input type="checkbox"/> Natural Falls | | <input type="checkbox"/> Attached or Adjacent Buildings |
| <input type="checkbox"/> Other: _____ | | <input type="checkbox"/> 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: |
|---|--|--|
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input type="checkbox"/> Access Paths/Trails | <input type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input checked="" type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Undercut Banks |

Direct Stream Measurements:

Stream:

Widest Impoundment Width: 40 ft
 Impoundment Length: _____ ft
 Estimated Area of Impoundment: _____
 Width After Plunge Pool: 40 ft

Spillway:

Width: 40 ft
 Length: 3 ft
 Number of Interruptions or Steps: 1
 Water Velocity: 4+

Vertical Characteristics:

Height of Head: 2 ft
 Freeboard Available _____ ft

Site ID: Paw Paw

Inventoried by: Small

Date: 05/24/11

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



PAW PAW CITY DAM

Site ID: Paw Paw Lumber

Inventoried by: Snell

Date: 07/29/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint Latitude: Longitude:
County: Van Buren T/R/Sec.:
Access Road M40 Dam or Impoundment name (if any):
Dam/Property Owner(s): Federal State Local Gov. Private Abandoned Unknown
Stream Name: Paw Paw River - E Branch Tributary to: Paw Paw River
Recent Precipitation (web source such as wunderground.com): Past 24 hours: in Past Week: 2+ in

Land Use Information

(Check any that apply)

Upstream: **Downstream:**
 Forest Forest
 Wetland Wetland
 Residential Residential
 Urban Urban
 Agriculture Agriculture
 Park Park
 Industrial Industrial
 Other: Commercial Other: Commercial

Impoundment or Dam Use Information

(Check all that apply)

Recreation
 Wildlife pond
 Waterfront development
 Hydropower
 Water supply
 Flood control
 Other: None apparent

Structural Information (check all appropriate):

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

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:
<input type="checkbox"/> Overtopping	<input type="checkbox"/> Overflow/Breach	<input checked="" type="checkbox"/> Plunge Pool
<input type="checkbox"/> Gullies	<input type="checkbox"/> Access Paths/Trails	<input checked="" type="checkbox"/> Scour
<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Gullies	<input type="checkbox"/> Gullies
<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Bare Soil
<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bank Failure
	<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Undercut Banks

Direct Stream Measurements:

Stream:
Widest Impoundment Width: 50 ft
Impoundment Length: ft
Estimated Area of Impoundment:
Width After Plunge Pool: ft

Spillway:
Width: 4 ft - 80
Length: 10 ft
Number of Interruptions or Steps: 1
Water Velocity: 5 +

Vertical Characteristics:
Height of Head: 10 ft
Freeboard Available ft

Site ID: Paw Paw Lumber

Inventoried by: Snell

Date: 07/29/11

Other Pertinent Information:

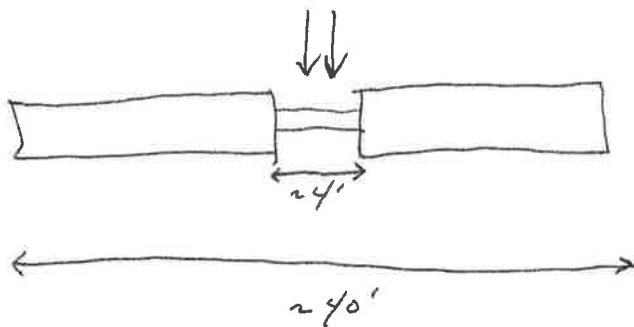
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
Reasoning/Justification:
- Does the dam have the ability to regulate water level? Y N
- Is it being actively managed? Y N
- Based on MDNRE contamination flowchart (included in instructions), should sediments 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



PAW PAW LUMBER COMPANY DAM

Site ID: Pollock Dam

Inventoried by: Snell

Date: 05/24/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint Latitude: Longitude:
 County: Cass T/R/Sec.: T5S, R13W, Sec 12
 Access Road Sheldon CK Rd Dam or Impoundment name (if any): Pollock
 Dam/Property Owner(s): Federal State Local Gov. Private Abandoned Unknown
 Stream Name: Sheldon CK 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):

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:

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: |
|---|--|---|
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input type="checkbox"/> Access Paths/Trails | <input type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Undercut Banks |

Direct Stream Measurements:

Stream:

Widest Impoundment Width: 150 ft
 Impoundment Length: 500 ft
 Estimated Area of Impoundment:
 Width After Plunge Pool: ft

Spillway:

Width: 3 ft culvert
 Length: 3 ft
 Number of Interruptions or Steps: 1
 Water Velocity: 4+

Vertical Characteristics:

Height of Head: 6 ft
 Freeboard Available ft

Site ID : Pollock Dam

Inventoried by :

Date:

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 *drawdown during visit?*
- 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



POLLOCK DAM

Site ID :

Inventoried by :

Date:

Huron Pines Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____

County: Berrien T/R/Sec.: _____

Access Road M51 Dam or Impoundment name (if any): Pulker Street

Dam/Property Owner(s): Federal State Local Gov. Private Abandoned Unknown

Stream Name: Dowagiac River 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: | Downstream: |
| <input checked="" type="checkbox"/> Forest | <input checked="" type="checkbox"/> Forest |
| <input checked="" type="checkbox"/> Wetland | <input type="checkbox"/> Wetland |
| <input type="checkbox"/> Residential | <input checked="" type="checkbox"/> Residential |
| <input type="checkbox"/> Urban | <input type="checkbox"/> Urban |
| <input checked="" type="checkbox"/> Agriculture | <input type="checkbox"/> Agriculture |
| <input type="checkbox"/> Park | <input type="checkbox"/> Park |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Industrial |
| <input type="checkbox"/> Other: _____ | <input type="checkbox"/> 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 | Construction Materials | Other Site Features |
| <input type="checkbox"/> Earthen Berm | <input checked="" type="checkbox"/> Concrete | <input type="checkbox"/> Emergency Spillway |
| <input type="checkbox"/> Dam Wall(no overflow) | <input type="checkbox"/> Earth | <input type="checkbox"/> Stream Diversion or Canal |
| <input type="checkbox"/> Open Crest spanning stream | <input type="checkbox"/> Wood | <input checked="" type="checkbox"/> Retaining Walls |
| <input type="checkbox"/> Open crest channelizing flow | <input type="checkbox"/> Rock | <input type="checkbox"/> Low level outlet |
| <input type="checkbox"/> Debris Jam | <input checked="" type="checkbox"/> Metal | <input checked="" type="checkbox"/> Gates |
| <input type="checkbox"/> Stoplogs or Flashboards | <input type="checkbox"/> Screen | <input type="checkbox"/> Rip-Rap |
| <input type="checkbox"/> Beaver dam | <input type="checkbox"/> Other: _____ | <input type="checkbox"/> Fish passage Structure |
| <input type="checkbox"/> Undersized culvert | | <input type="checkbox"/> Vehicle access |
| <input type="checkbox"/> Natural Falls | | <input checked="" type="checkbox"/> Attached or Adjacent Buildings |
| <input type="checkbox"/> Other: _____ | | <input type="checkbox"/> 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: |
| <input type="checkbox"/> Overtopping | <input type="checkbox"/> Overflow/Breach | <input checked="" type="checkbox"/> Plunge Pool |
| <input type="checkbox"/> Gullies | <input checked="" type="checkbox"/> Access Paths/Trails | <input checked="" type="checkbox"/> Scour |
| <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Gullies | <input type="checkbox"/> Gullies |
| <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bare Soil | <input type="checkbox"/> Bare Soil |
| <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Bank Failure | <input type="checkbox"/> Bank Failure |
| | <input type="checkbox"/> Undercut Banks | <input type="checkbox"/> Undercut Banks |

Direct Stream Measurements:

- | | | |
|---|-----------------------------------|----------------------------------|
| Stream: | Spillway: | Vertical Characteristics: |
| Widest Impoundment Width: <u>100 ft</u> | Width: <u>120 ft</u> | Height of Head: <u>15 ft</u> |
| Impoundment Length: <u>5,300 ft</u> | Length: <u>10 ft</u> | Freeboard Available: <u>5 ft</u> |
| Estimated Area of Impoundment: | Number of Interruptions or Steps: | |
| Width After Plunge Pool: <u>150 ft</u> | Water Velocity: | |

Site ID :

Inventoried by :

Date:

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? *yes*
- 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



PUCKER ST DAM



DOWNSTREAM

Site ID: Stancer Dam

Inventoried by: AS JM

Date: 03/22/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint _____ Latitude: _____ Longitude: _____
 County: Branch T/R/Sec.: T55, R7W, Sec 23
 Access Road Stancer Dam or Impoundment name (if any): Stancer
 Dam/Property Owner(s): Federal State Local Gov. Private Abandoned 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

(Check any that apply)

Upstream:	Downstream:
<input checked="" type="checkbox"/> Forest	<input checked="" type="checkbox"/> Forest
<input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Wetland
<input checked="" type="checkbox"/> Residential - I	<input type="checkbox"/> Residential
<input type="checkbox"/> Urban	<input type="checkbox"/> Urban
<input checked="" type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Agriculture
<input type="checkbox"/> Park	<input type="checkbox"/> Park
<input type="checkbox"/> Industrial	<input type="checkbox"/> Industrial
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____

Impoundment or Dam Use Information

(Check all that apply)

Recreation
 Wildlife pond
 Waterfront development
 Hydropower
 Water supply
 Flood control
 Other: None apparent

Structural Information (check all appropriate):

Barrier Type	Construction Materials	Other Site Features
<input type="checkbox"/> Earthen Berm	<input checked="" type="checkbox"/> Concrete	<input type="checkbox"/> Emergency Spillway
<input type="checkbox"/> Dam Wall (no overflow)	<input type="checkbox"/> Earth	<input type="checkbox"/> Stream Diversion or Canal
<input checked="" type="checkbox"/> Open Crest spanning stream	<input type="checkbox"/> Wood	<input type="checkbox"/> Retaining Walls
<input type="checkbox"/> Open crest channelizing flow	<input checked="" type="checkbox"/> Rock	<input type="checkbox"/> Low level outlet
<input type="checkbox"/> Debris Jam	<input type="checkbox"/> Metal	<input type="checkbox"/> Gates
<input type="checkbox"/> Stoplogs or Flashboards	<input type="checkbox"/> Screen	<input type="checkbox"/> Rip-Rap
<input type="checkbox"/> Beaver dam	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Fish passage Structure
<input type="checkbox"/> Undersized culvert		<input type="checkbox"/> Vehicle access
<input type="checkbox"/> Natural Falls		<input type="checkbox"/> Attached or Adjacent Buildings
<input type="checkbox"/> Other: _____		<input checked="" type="checkbox"/> Other: <u>Bridge - Historic clear span</u>

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:
<input type="checkbox"/> Overtopping	<input type="checkbox"/> Overflow/Breach	<input checked="" type="checkbox"/> Plunge Pool
<input type="checkbox"/> Gullies	<input type="checkbox"/> Access Paths/Trails	<input type="checkbox"/> Scour
<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Gullies	<input type="checkbox"/> Gullies
<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Bare Soil
<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bank Failure
	<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Undercut Banks

Direct Stream Measurements:

Stream:	Spillway:	Vertical Characteristics:
Widest Impoundment Width: <u>110 ft</u>	Width: <u>ft 30 x 3</u>	Height of Head: <u>2 ft</u>
Impoundment Length: <u>200 ft</u>	Length: <u>20 ft</u>	Freeboard Available: _____ ft
Estimated Area of Impoundment:	Number of Interruptions or Steps: <u>1</u>	
Width After Plunge Pool: <u>150 ft</u>	Water Velocity: <u>5+</u>	

Site ID: Stancu

Inventoried by: AS JM

Date: _____

Other Pertinent Information:

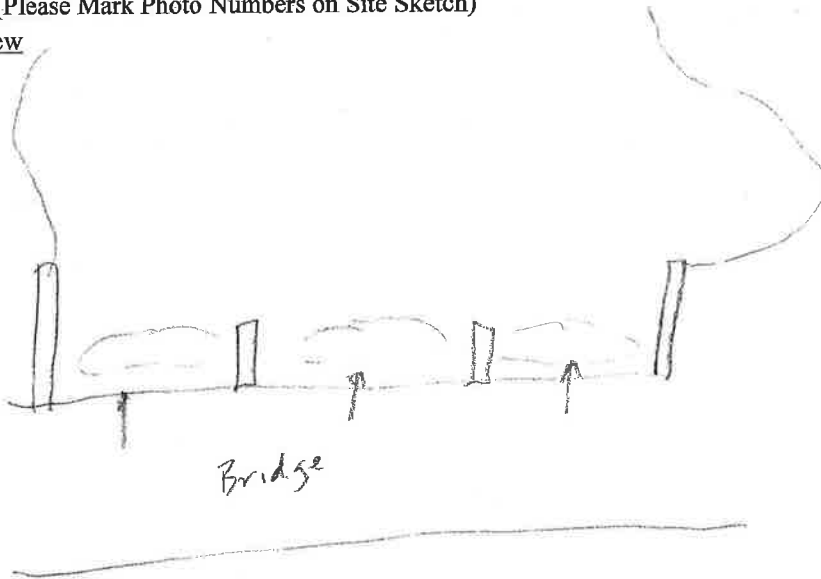
- Physical Condition Ranking: (Please Rank - 5 being best condition, 1 being worst): 5, 4, 3, 2, 1
Reasoning/Justification:
- Does the dam have the ability to regulate water level? Y N
- Is it being actively managed? Y N
- Based on MDNRE contamination flowchart (included in instructions), should sediments 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: _____

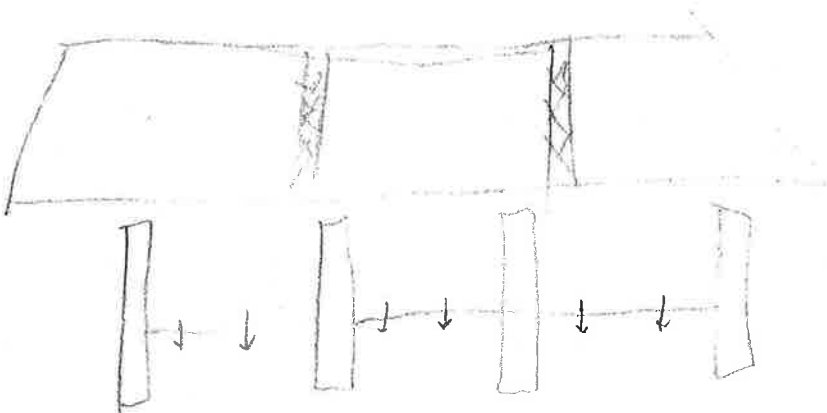
Site Sketch (Please Mark Photo Numbers on Site Sketch)

Overhead view



* Great cand. data for removal/mod. break

Side view





STANCER DAM



UPSTREAM OF STANCER DAM

Site ID: Star Mill Dam

Inventoried by: Dreesen

Date: 8/19/11

St. Joseph Watershed Dam Inventory Data Form

Site Location Information:

GPS Waypoint Latitude: Longitude:

County: Lagrange T/R/Sec.: 38 N / 9 E / 36

Access Road Private off CR 700 N Dam or Impoundment name (if any): Star Mill Dam

Dam/Property Owner(s): Federal State Local Gov. Private Abandoned Unknown

Stream Name: Fawn River Tributary to: St. Joseph River

Recent Precipitation (web source such as wunderground.com): Past 24 hours: 0 in Past Week: 0.3 in

Land Use Information

(Check any that apply)

- | | |
|---|---|
| Upstream: | Downstream: |
| <input checked="" type="checkbox"/> Forest | <input checked="" type="checkbox"/> Forest |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> Wetland |
| <input checked="" type="checkbox"/> Residential | <input type="checkbox"/> Residential |
| <input type="checkbox"/> Urban | <input type="checkbox"/> Urban |
| <input checked="" type="checkbox"/> Agriculture | <input checked="" type="checkbox"/> Agriculture |
| <input type="checkbox"/> Park | <input type="checkbox"/> Park |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Industrial |
| <input type="checkbox"/> Other: <u> </u> | <input type="checkbox"/> Other: <u> </u> |

Impoundment or Dam-Use Information

(Check all that apply)

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

Structural Information (check all appropriate):

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

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:
<input type="checkbox"/> Overtopping	<input type="checkbox"/> Overflow/Breach	<input checked="" type="checkbox"/> Plunge Pool
<input type="checkbox"/> Gullies	<input type="checkbox"/> Access Paths/Trails	<input checked="" type="checkbox"/> Scour
<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Gullies	<input type="checkbox"/> Gullies
<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bare Soil	<input type="checkbox"/> Bare Soil
<input type="checkbox"/> Undercut Banks	<input type="checkbox"/> Bank Failure	<input type="checkbox"/> Bank Failure
	<input type="checkbox"/> Undercut Banks	<input checked="" type="checkbox"/> Undercut Banks

Direct Stream Measurements:

Stream:	Spillway:	Vertical Characteristics:
Widest Impoundment Width: <u>300 ft</u>	Width: <u>100 ft</u> <u>50 ft</u>	Height of Head: <u>5</u> ft
Impoundment Length: <u>1050 ft</u>	Length: <u>5</u> ft	Freeboard Available <u> </u> ft
Estimated Area of Impoundment:	Number of Interruptions or Steps:	
Width After Plunge Pool: <u>50</u> ft	Water Velocity:	

Site ID: Star Mill Dam

Inventoried by: Deegan

Date: 8/19/11

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? Not sure
- 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.



UPPER MILL DAM