

Site ID: _____



Stream Habitat Assessment (4 pages)

Stream Name: _____ Location: _____

Date: _____ Major Watershed: Muskegon River

Start Time: _____ (AM/PM) Datasheet completed by: _____

Other Team Members: _____

County: _____ Township: _____ Sec T R ¼ ¼

Latitude: _____ Longitude: _____

Coordinate Determination Method (check one):

_____ GPS _____ GPS w/DBR _____ Digital mapping software _____ Topographic map

_____ Other (describe _____) Map Scale (if known) _____

Did you assess 300 feet of stream? Yes___ No___ If no, how much? _____ Why? _____

Please note any site characteristic differences since you previously monitored this site, i.e. weather, stream flow, etc. If none, put none. _____

Site Sketch

On the back of this datasheet, draw a bird's-eye view of the study site. Include enough detail that you can easily find the site again!

Include the following items in the sketch:

- Direction the water is flowing
- Which way is north
- Channel shape (e.g., straight, curvy)
- Large wood in the water
- Vegetation
- Bank features
- Areas of erosion
- Riffles
- Pools
- Location of road
- Trees
- Fences
- Parking Lots
- Buildings
- Any other notable features

Datasheet checked for completeness by: _____

Data entered into MRWA database – date: _____

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Muskegon
River
Watershed
Assembly

Stream Name: _____

Location: _____

Site Sketch

A large, empty rectangular box with a black border, intended for drawing a site sketch.

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PHYSICAL HABITAT

BACKGROUND INFORMATION					PHYSICAL APPEARANCE (check all that apply)					
Storm Event Condition noted at site	None	Light	Moderate	Heavy	Aquatic Plants	None	Present	Abundant		
Days since rain	≤ 1	2	≥ 3	Unknown	Floating Algae	None	Present	Abundant		
					Filamentous Algae	None	Present	Abundant		
Water Color	Clear	Gray	Brown	Black	Green	Bacterial Sheen/ Slimes	None	Present	Abundant	
Water Body type-u/s	Stream	Lake	Impound	Wetland	Turbidity	None	Present	Abundant		
Water Body type-d/s	Stream	Lake	Impound	Wetland	Oil Sheen	None	Present	Abundant		
Stream Width (feet)	<10	10-25	25-50	>50	Foam	None	Present	Abundant		
Avg Stream Depth (ft)	<1	1-3	>3	Unknown	Trash	None	Present	Abundant		
Stream Flow Type	Dry	Stagnant	L	M	H					
SUBSTRATE (%) (add to 100%)					INSTREAM COVER (check all that apply)					
Boulder >10 inches diameter					Undercut Banks					
Cobble/Gravel – 10 to .08 in. diameter					Overhanging Vegetation					
Sand – coarse grain					Deep Pools					
Silt/Detritus/Muck – fine grain/organic matter					Boulders					
Hardpan/Bedrock – solid clay/rock surface					Aquatic Plants					
Artificial – manmade					Logs or Woody Debris					
Unknown										
RIVER MORPHOLOGY					STREAM CORRIDOR (left and right facing downstream)					
Riffle	None	Present	Abundant	Riparian Veg. Width ft. (L)	<10	10-30	30-100	>100		
Pool	None	Present	Abundant	Riparian Veg. Width ft. (R)	<10	10-30	30-100	>100		
Channel	Natural	Recovering	Maintained	Bank Erosion	0	L	M	H		
Designated Drain	?	Y	N	Streamside Land Cover	Bare	Grass	Shrub	Trees		
Highest Water Mark (ft.)	?	<1	1-3	3-5	5-10	>10	Stream Canopy %	<25	25-50	>50
Typical Stream Cross Section Sketch					Adjacent Land Uses (circle all that apply)					
					Wetlands				L	R
					Shrub or Old Field				L	R
					Forest				L	R
					Pasture				L	R
					Crop Residue				L	R
					Row Crop				L	R
					Residential Lawns, Parks				L	R
					Impervious Surface				L	R
					Disturbed Ground				L	R
					No Vegetation				L	R

***Optional Data Item**

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In the table below, note any potential sources of degradation that may be affecting this site.

POTENTIAL SOURCES OF STREAM DEGRADATION (Severity: N=none; S=slight; M=moderate; H=high) (Indicate all that apply)									
Crop Related Sources	N	S	M	H	Land Disposal	N	S	M	H
Grazing Related Sources	N	S	M	H	Onsite Wastewater Systems	N	S	M	H
Intensive Animal Feeding Operations	N	S	M	H	Silviculture (Forestry NPS)	N	S	M	H
Highway/Road/Bridge Maintenance and Runoff (Transportation NPS)	N	S	M	H	Resource Extraction (Mining NPS)	N	S	M	H
Channelization	N	S	M	H	Recreational/Tourism Activities (general)	N	S	M	H
Dredging	N	S	M	H	• Golf Courses	N	S	M	H
Removal of Riparian Vegetation	N	S	M	H	• Marinas/Recreational Boating (water releases)	N	S	M	H
Bank and Shoreline Erosion/Modification/Destruction	N	S	M	H	• Marinas/Recreational Boating (bank or shoreline erosion)	N	S	M	H
Flow Regulation/Modification (Hydrology)	N	S	M	H	Debris in Water	N	S	M	H
Upstream Impoundment	N	S	M	H	Industrial Point Source	N	S	M	H
Construction: Highway, Road, Bridge Culvert	N	S	M	H	Municipal Point Source	N	S	M	H
Construction: Land Development	N	S	M	H	Natural Sources	N	S	M	H
Urban Runoff (Residential/Urban NPS)	N	S	M	H	Source(s) Unknown	N	S	M	H

Additional Comments: Please use this space to make any additional comments about site conditions or this assessment process

Finish Time: _____ (am/pm)

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