

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 $\frac{1}{4}$ $\frac{1}{4}$

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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Location: _____



Muskegon
River
Watershed
Assembly

Site Sketch

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

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Michigan Clean Water Corps

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					
					Filamentous Algae					
Water Color	Clear	Gray	Brown	Black	Green	Bacterial Sheen/ Slimes				
Water Body type-u/s	Stream	Lake	Impound	Wetland	Turbidity					
Water Body type-d/s	Stream	Lake	Impound	Wetland	Oil Sheen					
Stream Width (feet)	<10	10-25	25-50	>50	Foam					
Avg Stream Depth (ft)	<1	1-3	>3	Unknown	Trash					
Stream Flow Type	Dry	Stagnant	Low	Med	High					
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	None	Low	Med	High		
Designated Drain	?	Yes	No	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							

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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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