

# ***Protocol for Field Surveys of Stream Morphology in Michigan***



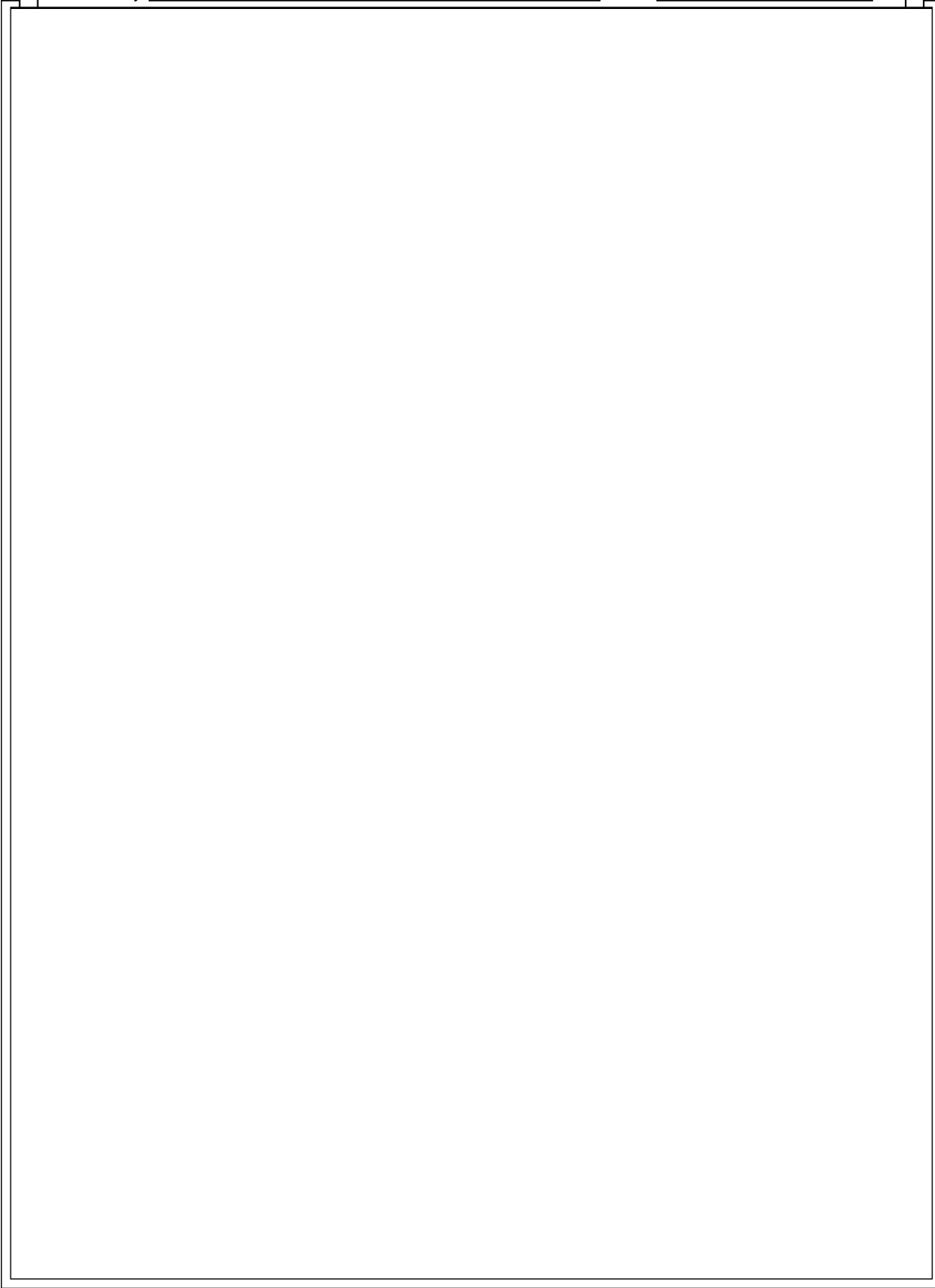
## **Michigan's Stream Team**

*Reference Reach Field Form*

**Area-Site Location....Reach Map**

Stream/Drainage: \_\_\_\_\_ Site/Reach: \_\_\_\_\_

Drawn By: \_\_\_\_\_ Date: \_\_\_\_\_



*Reference Reach Field Form*

Survey Data	Longitudinal Profile				Part I	
Site:						
Location:						
Staff/Notes:						
Item	Distance; Point; or	Back- Sight	Height of Instrument	Fore- Sight	Height; depth; or	Notes, Comments, Remarks
	<b>Station</b>	<b>B S</b>	<b>H I</b>	<b>F S</b>	<b>Elevation</b>	
	ft.	ft.	ft.	ft.	ft.	
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2						
3						
4						
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34						
35						

*Reference Reach Field Form*

Survey Data		Longitudinal Profile			Part II	
Site:						
Item	Station ft.	B S ft.	H I ft.	F S ft.	Elevation ft.	Notes, Comments, Remarks
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
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Closure Error =						

*Reference Reach Field Form*

Survey Data	Cross-Section				Part I	
Site:						
Location:						
Staff/Notes:						
Item	Distance; Point; or	Back- Sight	Height of Instrument	Fore- Sight	Height; depth; or	Notes, Comments, Remarks
	<b>Station</b>	<b>B S</b>	<b>H I</b>	<b>F S</b>	<b>Elevation</b>	
	ft.	ft.	ft.	ft.	ft.	
1						
2						
3						
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34						
35						

*Reference Reach Field Form*

Survey Data		Cross-Section			Part II	
Site:						
Item	Station ft.	B S ft.	H I ft.	F S ft.	Elevation ft.	Notes, Comments, Remarks
36						
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## Reference Reach Field Form

### Pebble Count

Site:

Reach:

Staff:

Date:

Millimeters	Longitudinal (100 total at 10 transects)				Riffle (100 minimum)			
	Count	Total #	Item %	% Cum.	Count	Total #	Item %	% Cum.
< .062								
.062 - .125								
.126 - .25								
.26 - .50								
.51 - 1.0								
1.1 - 2.0								
2.1 - 4.0								
4.1 - 5.7								
5.8 - 8.0								
8.1 - 11.3								
11.4 - 16.0								
16.1 - 22.6								
22.7 - 32								
33 - 45								
46 - 64								
65 - 90								
91 - 128								
129 - 180								
181 - 256								
257 - 362								
363 - 512								
213 - 1024								
1024 - 2048								
Bedrock								
Silt/Clay								
Sand								
Gravel								
Cobble								
Boulder								

# *Reference Reach Field Form*

A large grid for data entry, consisting of 20 columns and 30 rows of small squares. The grid is used for recording field data.