Biologically Enhanced Practices

University of Minnesota

University of Minnesota Stormwater Treatment: Assessment and Maintenance	Site Sketch (include inlets, outlets, no	orth arrow, etc.)
Field Data Sheet for Level 1 Assessment: Visual Inspection Bioretention Practices (including Rain Gardens) Inspector's Name(s): Date of Inspection: Location of the bioretention practice: Address or Intersection: Latitude, Longitude: Date the bioretention practice began operation: Bioretention practice area (ft. x ft.): Time since last rainfall (hr): Quantity of last rainfall (in): Rainfall Measurement Location:		
Based on visual assessment of the site, answer the following question: 1. Has visual inspection been conducted at this location before? 2. Yes 1. a) If yes, enter date: 1. b) Based on previous visual inspections, have any corrective action 2. Yes 3. No 4. I don't know (If yes, describe actions in communications)	ons been taken?	ic documentation: Comments
2. Has it rained within the last 48 hours at this location? □ Yes □ No	,	
 Does this bioretention practice utilize pretreatment practices upstream Yes No I don't know (If yes, describe pretreatment practice) 		
 4. Access 4. a) Access to the bioretention practice is: □ Clear □ Partially obstructed □ Mostly obstructed □ Inacces 4. b) If obstructed, the obstruction is (choose and provide comments □ temporary and □ no action needed or □ action needed □ permanent and □ before or during installation or □ new sinc 4. c) Access to the upstream and downstream drainage is: □ Clear □ Partially obstructed □ Mostly obstructed □ Inacces 4. d) If obstructed, the obstruction is (choose and provide comments □ temporary and □ no action needed or □ action needed □ permanent and □ before or during installation or □ new since 	s): re installation sible	

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. Inlet Structures								Comments
5. a) How many in	let structures a	are preser	nt? □ 0 □	1 🗆 2 🗆 3	□ 4 □ 5	□ > 5		
5. b) Are any of th	e inlet structur	es clogge	d? (If yes, r	mark locatior	n on site ske	tch above a	t	
fill in boxes be	low with items	causing c	logging (i.e	.,. debris, se	diment, veg	etation, etc.)		
		Inlet #:	Inlet #:	Inlet #:	Inlet #:	Inlet #:		
	Partially							
	Completely							
	Not Applicable							
	` •	Inlet #:	Inlet #:	Inlet #:	Inlet #:	Inlet #:		
5. c) Are any of th in need of mai								
		Inlet #:	Inlet #:	Inlet #:	Inlet #:	Inlet #:		
	Reason							
□ Surface she □ Murky color □ Green color □ Other (descr	(from suspend (from algae or	ed solids) other biol	•	ity)				
. Is there evidence □ Yes □ No □			-	nment box)				
. Does the bioreten	tion practice sr	nell like ga	asoline or c	oil? □ Yes □	□ No			
9. a) Does the cur 9. b) Is there the μ □ Weeds □ Wetland vege	rent vegetation oresence of:							

9. c) Does the vegetation appear to be healthy? □ Yes □ No (if no, describe in comment box)
9. d) Is the vegetation the appropriate size and density? □ Yes □ No (if no, describe in comment box)

□ None of the above□ Other, specify

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10. Are there indications of any of the following in the bioretention practice? (If yes, mark on site sketch) Sediment deposition Erosion or channelization Excessive or undesirable vegetation (that needs mowing or removal) Litter or debris Other No 10. a) If sediment deposition is evident, what is the source? Erosion or channelization inside the infiltration practice Erosion or channelization outside the infiltration practice Construction site erosion Other Unknown	Comments
11. Are there indications of any of the following on the banks of the bioretention practice: □ Erosion or channelization □ Soil slides or bulges □ Excessive animal burrows □ Seeps and wet spots □ Poorly vegetated areas □ Trees on constructed slopes □ None of the above, the banks are in good condition □ Other, specify	
12. Are any overflow or bypass structures clogged? No Partially Completely NA 12. a) If yes, specify the clogging material (i.e. debris, sediment, vegetation, etc.) in the box below. Outlet #: Outlet #: Outlet #: Material Partial or Comp. 12. b) Are any of the overflow or bypass structures misaligned from the original design or otherwise in need of maintenance? (if yes, write in reason: frost heave, vandalism, unknown) Outlet #: Outlet #: Outlet #: Reason Nhen is maintenance needed?	
 13. Inspector's Recommendations. When is maintenance needed? □ Before the next rainfall □ Before the next rainy season □ Within a year or two □ No sign that any is required 	

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ummarize the results of this inspection and write any other observations in the box below.	
Summary and other observations	

14.