

FACILITY ID: _____	DATE: ___/___/___	ASSESSED BY: _____
---------------------------	--------------------------	---------------------------

NAME: _____	HANDHELD/ GPS ID:
ADDRESS: _____	
PHOTO IDS: _____	

SECTION 1- BACKGROUND INFORMATION (GIS)

BMP TYPE : <input type="checkbox"/> Dry Detention Pond <input type="checkbox"/> Dry Swale <input type="checkbox"/> Wetland <input type="checkbox"/> Extended Detention Pond <input type="checkbox"/> Wet Swale <input type="checkbox"/> Level Spreader <input type="checkbox"/> Wet Pond <input type="checkbox"/> Grass Channel <input type="checkbox"/> WQ Inlet <input type="checkbox"/> Filter (specify: _____) <input type="checkbox"/> Dry Well <input type="checkbox"/> Proprietary Device <input type="checkbox"/> Infiltration (specify: _____) <input type="checkbox"/> Permeable Pavement <input type="checkbox"/> Other <input type="checkbox"/> Check if structure is underground <input type="checkbox"/> Bioretention	YEAR CONSTRUCTED: _____ OWNERSHIP <input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Unknown
--	---

SITE CHARACTERIZATION

DRAINAGE AREA: _____ (acres) IMPERVIOUS COVER: _____ (acres) Discerned from: <input type="checkbox"/> Plan <input type="checkbox"/> County Data <input type="checkbox"/> GIS <input type="checkbox"/> Field	
CONTRIBUTING DRAINAGE AREA (% land use): <i>Note – All percentages should sum up to 100%.</i> _____ Industrial _____ Commercial _____ Urban/Residential _____ Suburban/Res _____ Forested _____ Institutional _____ Golf course _____ Park _____ Crop _____ Pasture _____ Other: _____	WATER QUALITY VOL (FROM DESIGN PLAN): _____ (ft ³)

SECTION 2- FIELD VISIT

Rain in last 48 hrs? <input type="checkbox"/> Yes <input type="checkbox"/> No	Evidence of high water table (e.g., excessive soil saturation)? <input type="checkbox"/> Yes <input type="checkbox"/> No
---	--

DESIGN ELEMENTS

FACILITY SIZE: Length: _____ (ft) Width: _____ (ft) Surface Area: _____ (ft ²) Depth of WQ storage _____ (ft)	OBSERVED WQ STORAGE VOL: _____ (ft ³)	HYDRAULIC CONFIGURATION <input type="checkbox"/> On-line Facility <input type="checkbox"/> Off-line Facility	DESIGN STORM(S): <input type="checkbox"/> Water Quality <input type="checkbox"/> Flood Control <input type="checkbox"/> Channel Protection <input type="checkbox"/> Unknown
--	---	---	--

BMP SIGNAGE: (check all that apply)

<input type="checkbox"/> None	<input type="checkbox"/> Flood Warning	<input type="checkbox"/> Stormwater Education	<input type="checkbox"/> No Trespassing	<input type="checkbox"/> Wildlife Habitat
<input type="checkbox"/> Public Property	<input type="checkbox"/> Do Not Mow	<input type="checkbox"/> Other: _____		

OUTLET CHARACTERISTICS

PRIMARY OUTLET STRUCTURE:	<input type="checkbox"/> N/A – infiltration w/ no outlet <input type="checkbox"/> Pipe <input type="checkbox"/> Riser <input type="checkbox"/> Weir <input type="checkbox"/> Large Storm Overflow <input type="checkbox"/> Open channel <input type="checkbox"/> Large Storm By-pass <input type="checkbox"/> Other: _____
OUTLET FEATURES:	<input type="checkbox"/> N/A <input type="checkbox"/> Trash Rack <input type="checkbox"/> Pond Drain <input type="checkbox"/> Inverted outlet pipe <input type="checkbox"/> Hooded outlet <input type="checkbox"/> Anti-vortex device <input type="checkbox"/> Perforated pipe <input type="checkbox"/> Gravel Diaphragm <input type="checkbox"/> Micropool outlet <input type="checkbox"/> Multiple outlet levels <i>Outlet includes restrictor?</i> <input type="checkbox"/> Yes <input type="checkbox"/> No
OUTLET STRUCTURE CONDITIONS:	Erosion at Outlet: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Outlet Clogging: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Structural Problems: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe
CONDITIONS AT OUTFALL:	<input type="checkbox"/> Stream <input type="checkbox"/> Closed storm sewer <input type="checkbox"/> Surface channel <input type="checkbox"/> Road ditch <input type="checkbox"/> Other: _____ <input type="checkbox"/> Unknown Active Erosion: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Odor: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Trash: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Algae: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Sedimentation: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe Other WQ Problems: <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe

Emergency Spillway Type: Channel Riser Overflow Weir Other: _____

SOIL OR FILTER MEDIA

TYPE OF FILTER/INFILTRATION MEDIA: (check all that apply)
 Soil mix _____(in) Sand _____(in) Gravel _____(in) Large Stone _____(in)
 Organic material _____(in) Other _____ N/A Unknown
 Avg. depth of sediment build-up on surface? _____ (in)

SOIL MEDIA SAMPLE: *Note – Complete during site investigation, if applicable*
 Dominant Soil Type Clay Loam Sand Sand/Loam
 Is the soil homogenous? Yes No

Comments:

VEGETATION

GENERAL OBSERVATIONS:
 Landscaped
 Aquatic Bench
 Invasive Species
 Plant Diversity

TYPE OF GROUND COVER (% of Surface Area in Plan View up to low Outlet):
Note – All percentages should sum up to 100 %.
 _____ Trees _____ Grasses/Perennials _____ Pondered water _____ Other: _____
 _____ Managed Turf _____ Bare Soil _____ Shrubs _____ N/A
 _____ Gravel/stone _____ Mulch _____ Emergent wetland

Depth of mulch, if present: Hardwood _____(in) Pine Straw _____(in) Other _____(in)
 Rate degree of shading of BMP Surface Area by trees: Well Shaded Some Shading No Shading N/A

INLET CHARACTERISTICS

INLET #1:
 Diameter/Width: _____(in)
TYPE OF INLET: Open Channel Closed Pipe
 Sheet Flow Curb Cut Other: _____
 Elevation difference between bottom of inlet and BMP surface: _____ (in)
INLET SUBMERSION: **INLET CONDITIONS:**
 Complete Inlet Erosion None Slight Moderate Severe
 Partial Inlet Clogging None Slight Moderate Severe
 None Structural Problems None Slight Moderate Severe
 Comments:

INLET #2:
 Diameter/Width: _____(in)
TYPE OF INLET: Open Channel Closed Pipe
 Sheet Flow Curb Cut Other: _____
 Elevation difference between bottom of inlet and BMP surface: _____ (in)

INLET SUBMERSION: **INLET CONDITIONS:**
 Complete Inlet Erosion None Slight Moderate Severe
 Partial Inlet Clogging None Slight Moderate Severe
 None Structural Problems None Slight Moderate Severe
 Comments:

PRETREATMENT

TYPE OF PRETREATMENT (check all that apply)
 None Grass Filter Strip
 Sediment Forebay (_____ ft³) Plunge Pool?
 Grass Channel Stone Diaphragm
 Riprap Channel or Apron Other: _____

PRETREATMENT FUNCTION By design Incidental
 Is pretreatment functioning? Yes No
 Is sediment removal necessary? Yes No
 Signs of pretreatment bypass? Yes No
 Signs of flow of sediment from pretreatment to BMP? Yes No
 Severity: Slight Moderate Severe

GENERAL DESIGN

BMP FEATURES (check all that apply)
 Maintenance Access Underdrain
 Fence Clean Out Pond Drain
 Multi-cell Observation Well Other: _____
 Micropool Is water present in observation well?
 Impermeable Liner Yes No Depth: _____ ft

CONVEYANCE THROUGH BMP
 No Defined Channel
 Low Flow Channel
 Concrete Eroded Earthen Other _____
 Length of Shortest Flow Path: _____(ft)
 Is BMP designed with a Permanent Pool? Yes No

PERFORMANCE

GENERAL PROBLEMS: (check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> Maintenance Needed | <input type="checkbox"/> Erosion at Embankments | <input type="checkbox"/> Permanent Pools not stable |
| <input type="checkbox"/> Water Bypass of Inlet | <input type="checkbox"/> Erosion within Facility | <input type="checkbox"/> Inadequate vegetation |
| <input type="checkbox"/> Water Bypass of Outlet | <input type="checkbox"/> Deposition within Facility | <input type="checkbox"/> Dead or Diseased Vegetation |
| <input type="checkbox"/> Incorrect Flow Paths | <input type="checkbox"/> Inappropriate Ponding of Water | <input type="checkbox"/> Too many invasive plants |
| <input type="checkbox"/> Short-circuiting of treatment mechanism | <input type="checkbox"/> Clogged Pond Drain/Underdrain | <input type="checkbox"/> Trees on Embankment |
| <input type="checkbox"/> No or ineffective treatment | <input type="checkbox"/> Clogged Media | <input type="checkbox"/> Failing structural components |
| <input type="checkbox"/> Ineffective pretreatment | <input type="checkbox"/> Inappropriate media material | <input type="checkbox"/> Safety issue (Note: _____) |
| <input type="checkbox"/> Others _____ | <input type="checkbox"/> Inappropriate underlying soil (infiltration) | |

<p>WATER QUALITY IN FACILITY: <input type="checkbox"/> N/A</p> <p>Algae <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe</p> <p>Odor <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe</p> <p>Turbidity <input type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Moderate <input type="checkbox"/> Severe</p> <p>Color <input type="checkbox"/> Normal <input type="checkbox"/> Abnormal: _____</p>	<p>EVIDENCE OF:</p> <p><input type="checkbox"/> Geese</p> <p><input type="checkbox"/> Animal Burrows</p> <p><input type="checkbox"/> Mosquitoes</p> <p><input type="checkbox"/> BMP Alteration</p>
---	---

PROBLEM	1=NONE	2 - FEW	3 – SEVERAL	4-SEVERE	
TRASH	No evidence of trash	A few pieces of trash throughout BMP	Trash accumulation near inlet/outlet	Lots of trash in BMP or BMP used for storage	
BMP BANK EROSION	No noticeable erosion	Slight erosion < 5% of bank affected	Moderate erosion ~15% of bank affected	Banks severely eroded, >25% of bank affected	
SEDIMENT DEPOSITION	No sediment deposition	Areas of minor sediment deposition	Areas of some deposition, may be severe near inlet/outlets	Lots of deposition resulting in pond bottom clogging	
SURFACE SLOPE	0-1% BMP surface slope	1-3% BMP surface slope or steeper slopes with check dams,	3-5% BMP surface slope with no check dams,	>5% surface slope;	
SIDE SLOPES	BMP side slopes 3:1 or flatter	BMP side slopes 2:1	Steep BMP side slopes	Risk of side slope failure	
STRUCTURAL	No evidence of structural damage	Minor problems (e.g., bank slump, eroded channels)	Moderate structural problems –failure pending	Structural failures (e.g., bank failure, blowout)	
VISIBILITY	High visibility, near high-traffic areas	Some visibility, near traffic areas	Limited visibility, near low traffic areas	No visibility, behind buildings or fences	
ACCESSIBILITY	Maintained access area for vehicles	Access area designated, but not maintained	Access for vehicles not designated	Access for vehicles not possible	
VEG COVER	No mowing in/around BMP	Mowing along BMP edges but areas of no mow in BMP bottom	Mowed turf vegetation	BMP bottom has large areas of bare soil	
	Dense plant cover (>75%)	Plant cover, 50-75%	Some plant cover, 25-50%	Sparse vegetative cover (<25%),	
VEG HEALTH	TREES	Healthy and established	Slightly stressed	Stressed	Dead
	GROUND COVER	Healthy and established	Slightly stressed	Stressed	Dead
	SHRUBS	Healthy and established	Slightly stressed	Stressed	Dead
	EMERGENT WETLAND	Healthy and established	Slightly stressed	Stressed	Dead

OVERALL PERFORMANCE SCORE (circle one number)

Excellent design and function, no general problems with performance	BMP is well designed, but is undersized or has a few performance problems	BMP is adequately designed, several problems with performance are noted	Poor BMP design, severe performance problems or failure
10	9	8	7
6	5	4	3
2	1		

FIELD NOTES

GOOD OR INTERESTING DESIGN FEATURES:

PHOTO #'S:

POOR OR PROBLEMATIC DESIGN FEATURES:

PHOTO #'S:

SECTION 3 – DESIGN PLAN VERIFICATION

PLAN AVAILABLE: As-built Other: _____

Do field observations match design plans/as-builts? Describe any differences.

Soil type in facility N/A Yes No If no, describe:

Pretreatment type and size N/A Yes No If no, describe:

Signage N/A Yes No If no, describe:

Low-flow channel N/A Yes No If no, describe:

Dimensions/volume N/A Yes No If no, describe:

Inlet type, #, and sizing N/A Yes No If no, describe:

Outlet type, #, and sizing N/A Yes No If no, describe:

Vegetation composition N/A Yes No If no, describe:

Other features N/A Yes No If no, describe:

