PCAP PLOT DATA	QUALITY CONTROL				/ /.		, (
Project Label:	ct Label: PCAP			3399	Date Sampled: 6/4///	Lead: _	00
					Comment required if item ans		
Parking/Access outsid	e of Park Boundaries:		(3)	If yes, writ	e information in Comments sec	tion below	
Field journals complet	ed	(Y)	N				
Site sketch made on 1:	3000 map?	Y	N	NA			
Check cover page	X-axis Bearing of plot recorded	Y	N	NA			
	GPS coords Recorded	Y	N	NA			
	North direction recored	Y	N	WA			
	Photographs taken?	Y	N	NA			
Plot No., Date agreem	ent on all pages?	0	N				
Header data completed	d all pages?	Q	N				
Cover classes recorded	d in all Intensive modules	Y	N	MA			
Browse Level By Spec	cies	Y	N	No			
Woody stem quality co	ontrol check	Y	N	NIA			
Invasive plant quality	control check	1 B	N	F E			
Ash trees mapped		Y	N	NA			_
Cover by Strata? (conf	firm cover type)	(3)	N	/			
Soil samples collected	?	(3)	N				
Vouchers labeled on d	atasheet with initials and number	Y	N	NA			
Vouchers labeled on c	ollection bag	Y	N	NA			
Data sheet QA before	leaving site?	R	N				
Data sheets scanned?		G/2	3/1	Enter date	to left		
Final data sheets scan			Enter date	to left			
Web Soil survey		Q	N				
Voucher Location	Refrigerator	Y	N	M	R		
(# vouchers collected)	Press (#)			Enter numl	ber to left		
	Drier	Y	N				
	Identified	Y	N				
	Mounted	Y	N				
	Thrown away	V	N				

Was there a wetland at the point?: Was there a wetland within 60m of this point?

Y

If NO, go to the next question. If YES, stop

N If NO, go to the next section. If YES, stop.

Pick one of the n	ext three options below:
0	The soils ARE NOT hydric and the area at the point is
	Developed with buildings, roads, pavement, fill
	Farmed, turf
	Other (specify)
1	
	The soils ARE hydric and the area at the point is
a	Developed with buildings, roads, pavement, fill
0	Farmed, turf
	Other (specify)
1 0	No wetland determination can be made (explain below)

Additional Comments:			
* Buffer plots measured	and entered -	JEM 6/17/11	



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ata:
Plot

Trot Data: C 1 3 Develo 4 & 3		ıles)	7	modules, sampled corners, and location	4 (35 1 4	3 4 3 4		# 2 # 10 # # 10 # # # # # # # # # # # # # #	D Fuzz 100 km	_	Moderal Meaning: /#1 / #2 /#3 /#4 #5	135	Diagram	for Cover Data (ares): 6.0		e. Stems (ares): 0.01	CENTRAL (1-2): 7 (Level 3 Only) 5 VV	(or Easting) Intensive Modules: / , , ,	Photo Identifier(s): Plot Location: (directions to plot, landscape content)		Canopy Height (m):	# Om Strata Range (m) Cover (%) Plot Rationale: (why location was chosen for the plot)	_	S	nent: Heth		Testoca / Trota montou	Submerged)	Strata in parentheses often not present, but should be filled in if they exist.	93000 C-1:
	LOCATION	General: Fair with	State: D 14 County:	Quadrangle: 100 Miner	Place Names: 1) R 2 W	2) 1); JMEL 3)	Land Owner: (. W	Data Confidentiality:	m o Fuzz 10 km	Reason: If data not public, why?	es (ma	GPS location in plot (meters):	X= y=	of LavLong UTM State Plane		3584 © NAD27	1 32616	Long: Or colloc	Coord. Accuracy (m. radius)	GPS File Name: RR 2 W 2		Elevation: 676	Slope (degrees):	JE I	med, low		00		1	values in Defini
	ATION	9 G	7 +			sampled) pled)	109	_	I ~	Plot Leader	Asct					tant, Guide, omist, Other	ITV*	2	Shred for	ıcy:	Low Not	ız/a	×	\ \	xcellent, good, f	7-17		NDARN I	শ্র	nderlined.
	INFORM	1 WPV	: Pro- 10 ct	77	REWY	sted comers	1 01:(A	ा day):। उ		X	W. Knsh					**Roles: Co-leader, Assistant, Guide, Land owner, Taxonomist, Other	VG OHAT	Effort Level:		Taxonomic Accuracy: (for each category)	h Mod- L			^	nn* Fit:exc		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	MIC STA	ا ٥٠٠٧	Bold and U
	GENERAL INFORMATION	Project Label:	Project Name: 1/53	Team:	Plot: P.	□ Level 4 (no nested corners sampled) P. Level 5 (nested corners sampled)	Date (dd/mmm/yyy): 10 / 1	End Date (if > 1 day):10	Party	775	3 7					**Roles: Co- Land o	SAMPLING OHALITY*	EA	-der Very thorough	Taxono. (for ea	Category High	Vascular:	Bryophyte:	Lichen:	lassification	Comm.(1)	Comm.(2)	TAXONO	uthority: C	Required Fields in Bold and Underlined.

Project: V(3) Team: #2 Plot: Soil Description Samples (below): Mark location out on the diagram below. a corner (at the circle) cross it Soil Series Source: Soil Series / Type: triangle and horizon, e.g.: / B of soil samples with a Surficial Deposits*: Rock Type*: Soil Texture*: Depths (right): After measuring 1-10, S (plot deep sample) Other soil data: enter below. SOIL INSTRUCTIONS Module* # SOIL SAMPLES (A,B,C) Horizon #8 **弱** Homogeneous standard corners given below, correct if needed ☐ Channel wall (bank)

Channel bed (valley bottom) □ Low level (terrace) ☐ Toeslope ☐ Lowslope (lower, foot, colluvial) ☐ Step in slope □ Backslope (cliff) □ Midslope ☐ High slope (shoulder, upper, convex)☐ High level☐ □ < plot size □ 3-10 × plot size □ 10-100 × plot size □ > 100 × plot size ☐ Irregular / pattern mosaic ☐ Conspicuous inclusions Length of soil probe: □ Interfluve (crest, summit, ridge) 四 1-3 × plot size □ >1,000 × plot size □ Compositional trend across plot Ofganic layer depth: Module a Basin floor (depression) Landform Type*: Topographic Position* Corner SOIL DEPTHS Homogeneity Stand Size Soil Depth (cm) 30 Plot Data: CVS Levels 4 & 5 (page 2) CE S ☐ Autumnal☐ Winter☐ Temporarily S Typical growing □ Aestival ☐ Temporarily dry □ Vernal Season of Plot Sampling flooded season rated (dry < 1 / yr, seldom flooded)

□ Occasionally flooded (<1 / yr)

□ Temporarily flooded □ Permanently / semipermanently satu-□ Upland (seldom flooded)

Pintermittently / seasonally saturated Sediment natural human Boulder Cobble animal Bedrock Gravel . Mineral Soil Histosol clear-cut Ħ (sum = 100%)**Underlying Earth** Type (seldom flooded) EARTH SURFACE & GROUND COVER Surface: Severity NI o (none, L,M,H) ۸ ا III o O VIII Barren O VI Nonvascular Physiognomy* percent Hydrologic Regime* 000 Sparsely Vegetated Dwarf Shrubland Shrubland Forest Herbaceous Woodland ago Yrs Coarse Woody Debris >5cm Other (name): Water 000 Bryo / Lichen Duff (F+H) Litter Fine Woody Debris <5cm plot (each ≤100%) ☐ Tidally flooded - daily☐ Tidally flooded - monthly☐ □ Semipermanently flooded ☐ Tidally flooded - irregular □ Permanently flooded Ground Cover: □ Intermittently flooded □ Unknown 2 Ruc Additional Notes: (Representativeness of the plot to the stand, Successional Status, Stand Maturity, etc.) (wind, storms) DISTURBANCES Description WATER このとうかっという percent \ 6 0 0 O 0 (degrees)
+ for upslope
- for downslope ☐ Brackish ☐ Upland (n/a) ☐ Somewhat excessively □ Saltwater & Fresh +315 degrees +225 degrees +180 degrees +135 degrees +90 degrees Mean water depth: - cm +45 degrees Closest distance to shore: +270 degrees at aspect Aquatic Vegetation INDICES **MCNAB** Salinity* **Current Land Use:** Former Land Use: (position within Landform landscape) Index a Poorly drained □ Moderately well dr. Well drained Very poorly drained □ Somewhat poorly dr □ Impermeable surface Excessively drained Soil Drainage* **Shape Index** TSI: Terrain topographic (site micropage 2 of 2 □ more.

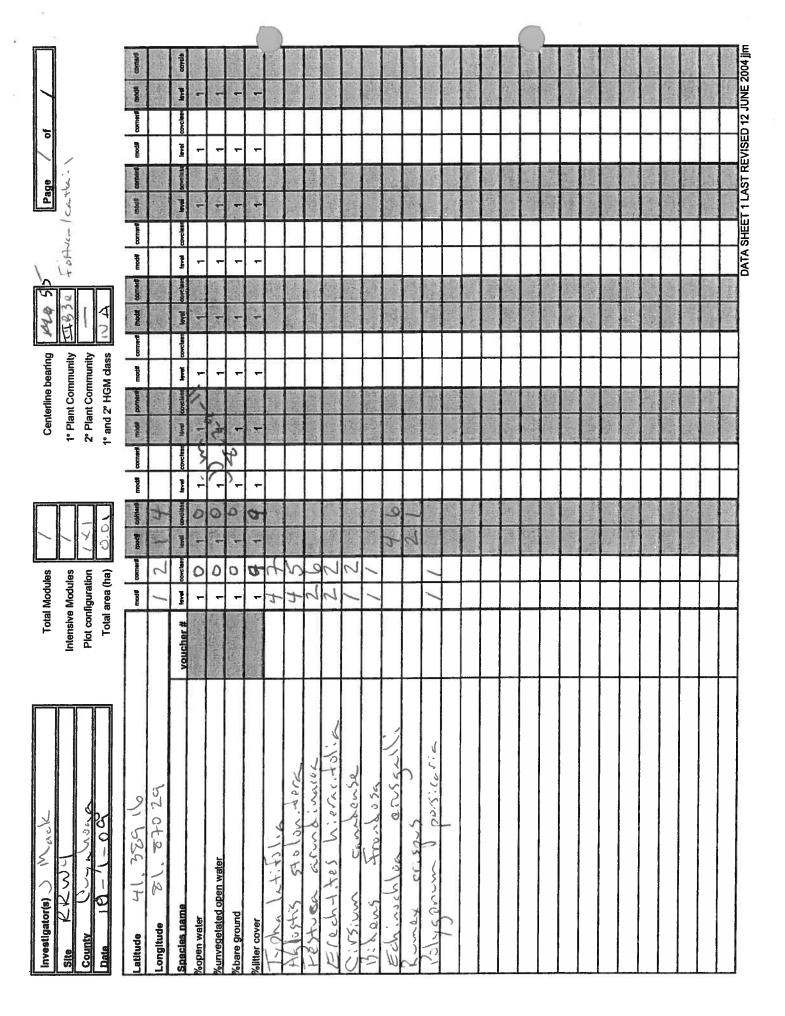
Required Fields in Bold and Underlined.

*Definitions & values in Definitions section of the CVS Field Guide.

EntryTool2.2.5

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Form PLT45, ver 8.1



UPLAND COMMUNITIES A Oak Forest and Woodland

- Dry Oak forest and Woodland
- Northern (Hemlock)-Hardwood Forest 2 Dry-Mesic Oak Forest and Woodland
- Beech-Maple Forest
- Mesophytic Forest
- Pine-Oak Rocky Woodland
- Glade and Barrens or Woodland
- 1 Dry Acidic Glade and Barrens Alkaline Glade and Woodiand
- Oak Savanna/Barrens 3 Calcareous Glade and Barrens

G

- 2 Oak Barrens Interior (deep soil) Oak Savanna
- Tallgrass Prairie
- Dry-Mesic Prairie
- 3 Wet-Mesic Prairie
- 2 Mesic Prairie
- Cliff and Talus
- Calcareous Cliff and Talus Acidic Cliff and Talus
- Circumneutral Cliff and Talus
- Great Lakes Rocky Shore and Cliff 4 Acidic Cliff and Rockhouse
- 2 Alkaline Rocky Shore and Cliff 1 Acidic Rocky Shore and Cliff
- Alvar
- L Dune

UPLAND FLOODPLAIN COMMUNITIES

- A Floodplain Forest
- 1 Riverfront and Levee Forest **Bottomland Hardwood Forest**
- Stream and Riparian Forest
- WETLAND COMMUNITIES

SWAMP FORESTS

- 1 Wet Flatwoods
- Quercus bicolor swamp
- Quercus palustris swamp
- Maple-Ash-Elm swamp
- Maple-Ash swamp
- Oak-Maple swamp
- Black Ash swamp
- Green Ash swamp
- Pumpkin Ash swamp
- Cottonwood swamp Mixed swamp torest
- Beech-Maple-Oak swamp
- Other (specify dominants) River Birch Swamp

- Acidic Swamp
- Basin Swamp
- Seepage Swamp (FOREST SEEP)
- skunk cabbage-sedge seep
- sedge seep
- ယ Rich Swamp
- Tamarack-Hardwood Bog
- Black Ash-Red Maple Swamp
- USE SMALL "alpha" CODES UNDER NO. 1
- 5 Great Lakes Wooded Dune and Swale

- 1 Marsh
- a Coastal Marsh
- b Freshwater Marsh
- Submergent Marsh
- Mixed Emergent Marsh
- Shrub-GRAMINOID Alkaline Fen
- WET MEADOW-Shrub Swamp
- a Wet Prairie
- atherodes, C. lacustris, C. stricta)
- lake sedge meadow
- wool-grass meadow
- vulpinoidea, scoparia, tribuloides,
- rice-cutgrass meadow
- Wet-Mesic Lake Plain Prairie (OO Prairie)
- Twigrush Meadow
- Weak Sedge Meadow

- skunk cabbage seep
- iv white pine bog
- Floodplain Forest (Wetland Forest Areas) Maple-Ash-Elm Swamp
- **EMERGENT (HERBACEOUS)**

- Floating-Leaved Marsh
- Cattail Marsh

F

- Cinquefoil-Sedge Fen
- Tamarack Fen
- Acidic Basin Fen (Poor Fen) Seepage Fen
- d Skunk-Cabbage Sedge Seeps
- cordgrass-bluejoint slough
- ii bluejoint-muhly slough
- prairie (southern) sedge meadow (C.
- sedge meadow

Old Field

iii Passive

ii Active, Low Intensity

Active, High Intensity

- hyaline sedge meadow
- Carex trichocarpa meadow successional sedge meadow (C.

5 Post Clearcut Communities

ii Middle (5-10 years)

Young (<5 years)

iii Old (>10 years)

ii Middle (10-25 years)

Young (<5-10years)

iii Old (>25 years)

- cristatella, lurida)

8

Atypical Successional Woody Communities

Upland Forests

ii Ash Thickets

Cottonwood Thickets and Woodland

Other (Specify)

- reed canary grass meadow
- other wet meadow (specify dominants

- Northern Bluejoint Meadow

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DATA SHEET 2 LAST REVISED 12 JUNE 2004 Jim

10	9	69	7	6	O	4	ω	N	_	ciass
95-99%	76-90%	50-75%	25-50%	10-25%	5-10%	2-5%	1-2%	0-1%	solitary/few	% cover
•										•

	Depth (level) Code	
quadrat size	quadratarea	code
10×10m	1000m²	1 (releve)
3.16x3.18m	10m²	N
1x1m	1m²	ω
0.32x0.32m	0.1m ²	4
0.1x0.1m	0.01m²	O1

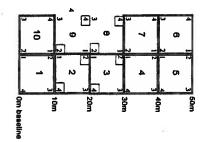
Aeltical	Aetrical Strata Codes	Tes
stratum	height	code
herb layer	0-2m	-
shrub/sapilng	2-5m	N
pole timber	5-15m	ω
tree	15-35m	4
canopy tree	>36	51

2-2 2-4 3-2 3-4 8-2 8-4 8-2 9-4	Standard plot
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	Part 2. Modifiers for dominant vegetation used for each HGM cla
ı	불
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Cover Classes

	class		com munity	type
4	Forest	to to	Swamp forest	(i) oak-mapie, (ii) oak -mapie- ash, (ii) mapie-ash, (iv) pin oak, (v) pumpkin ash, (vi) mixed forest, (vii) red maple, (viii) while pine, (ix) cottonwood, (x) river birch, (xi) other (specify)
		8	Bog forest	(i) tamerack bog. (ii) tamerack- herdwood bog
		o	Forestseep	(I) skunk cabbage seep, (II) sedge seep, (II) skunk cabbage- sedge seep, (IV) other (specify)
N	Shrub	m	Shrub Swamp	(i) buttonbush swamp, (ii) alder swamp, (iii) mixed shrub swamp, (iv) other (specify)
		•	Bog Shrub Swamp	(I) tall shrub bog. (II) leatherleaf bog
		n	Fen Shrub Swamp	(i) tall shrub fen
ω	Emergent		Marsh	(I) submergent marsh, (II) floating-leaved marsh, (III) mixed emergent marsh, (Iv) callall
		5	Wei meadow	(i) wet prairie, (ii) oak openings sand prairie, (iii) prairie sedge mesdow, (iv) fen (v) reed canary grass mesdow, (vi) other (specify)
			Bog	(I) Sphagnum bog



Wetland Classification System Part 1

add Mithation	VIII Cos	VII Bog	VI Frin	V Slope	II Riv	# impor	- Dep	ciass
	Coastal	•	Fringing	6	Riverine	Impound- ment	Depression	
Add appropriate pre-code to HGM class: mr - mitigation, restoration mc - mitigation, creation	(A) Open embayment (B) Closed embayment (C) Barrier-beach tagoon (D) Drowned river mouth (E) Diked - managed (F) Diked - unmanaged (G) Diked - felled	(A) Strongly ombrotrophic (B) Moderately ombrotrophic (C) Weakly ombrotrophic	(A) Reservoir (B) Natural lake	(A) Headwater (B) Mainstem (C) Isolated (D) Fringing	(A) Headwater depression (1 st , 2 nd order) (B) Mainstem depression (3 rd or > order) (C) Channel	(A) Beaver (B) Human	(A) Surface water (B) Ground water	subclass

Reed Canarygrass Phalaris arundinacea gnzy Houeysuckles L. morrowii, L. tatarica (anays) Ligustrum vulgare (sprub) Common Privet x: yes Garlic Mustard Alliaria petiolata Presence MN MS SE NE Presence comments Tier 4: Widespread and abundant MunnudiV əlifəlduoQ Wiburnum plicatum (spunp) European Cranberry Viburnum opulus var. opulus (apride) Ornithogalum umbellatum Star of Bethlehem (wetland) Yellow Flag Iris Iris pseudacorus Wineberry Rubus phoenicolasius (G-cover) Lungwort Pulmonaria officinalis Mock Orange Philadelphus coronarius (spunp) G-cover) Japanese Pachysandra Pachysandra terminalis Five-leaf Aralia Eleutherococcus pentaphyllus 3: >20 (sprub) saptod sos (G-cover) Crown Vetch Coronilla varia 11-20 :7 1-10 (G-cover) Lily of the Valley Convallaria majalis # of Plants MN comments Tier 3: Presence is of Interest atnely to # Wintercreeper Euonymus fortunei Amur Honeysuckle (apride) Lonicera maackii (spunp) Elaeagnus umbellata **Autumn Olive** Dipsacus laciniatus Lut-leaf Teasel ezonijulg zunlA European Alder Japanese Barberry (spunp) Berberis thunbergii (anuqs) Common Buckthorn Rhamnus cathartica Conium maculatum (wetland) Poison Hemlock Torilis sp. Hedgeparsley Celastrus orbiculatus Asian Bittersweet (aniv) Aegopodium podagraria Bishop's Goutweed (G-cover) (wetland) Lythrum salicaria Purple Loosestrife 000'T< Japanese Honeysuckle (aniv) Lonicera japonica Ailanthus altissima Tree of Heaven 000'T-00T :S ८०११६ मार्टि Norway Maple Acer platanoides 20-100 stnelq to # MN MS NE comments stnalq to # Tier 2: Assess as Needed (wetland) Flowering Rush Butomus umbellatus (9niv) Black Swallow-wort Cynanchum louiseae Lesser Celandine Ranunculus ficaria Microstegium vimineum ssengilits eseneget x: λes Presence MN MS 32 NE Tier 1: Early detection/ Rapid response CPS Presence Cleveland Metroparks CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey

Note: For Ground-cover plants record "stem #" but in comment field describe # of colonies and patch size (5,M, L)

(wetland)

(spunp)

(apuqs)

Natural Resoures

4bCM PCAP Invasive species datasheet.xls last revised 6/10/2011 ceh

Periwinkle

Cattails

Dame's Rocket

Common Teasel

Canada thistle

Multiflora Rose

Phragmites

Glossy Buckthorn

Japanese Knotweed

(G-cover)

(wetland)

Vinca minor

Hesperis matronalis

Typha angustifolia, T. x.glauca

Dipsacus fullonum

Cirsium arvense

Rosa multiflora

Frangula alnus

Polygonum cuspidatum

Phragmites australis

* If Ash Condition scores 5 (dead) provide breakup score (A-E) Count EAB exit holes 1.25m≥ x ≥1.5m Woodpecker and epicormic marked present (1) or absent (0)

					L				L															Module
24	23	22	21	20	19	6	17	16	15	4	3	12	=	10	9	80	7	6	O1	4	ω	2	_	Tree ID.
																					,	NOFISH		Species
																						311		Dead
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																								Voucher#
										4								ā						DBH (cm)
						桐								T						1				H8G H#@
1034								ħ																Ash condition
== =																								Ash *Dead condition
																				間				#Exit Epic
																								ormic sent
		T _{la}																						Woodpecker holes
	24	24	23 24 29 29 29 29 29 29 29 29 29 29 29 29 29	21 22 23 24	20 21 21 21 22 22 22 23 24 24 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	19 20 21 22 23 24	18 19 20 21 21 22 33 4 24	17 18 19 20 21 22 23 24	16 17 18 20 21 22 23 24	15 16 17 18 19 20 21 22 23 24	14 15 16 17 18 19 20 21 22 23 24	13 14 14 15 16 17 18 19 20 21 21 22 23 24	12 13 14 15 16 17 18 20 21 22 23 24	11 12 13 14 15 17 18 19 20 21 22 23 24	10	9 9 9 9 9 9 9 9 9 9	8 9 10 11 12 13 16 17 18 19 10 11 12 13 14 15 16 17 18 20 21 22 23 24	7 8 9 10 11 12 13 14 16 17 18 19 20 21 22 23	6 6 7 0 8 0 10 0 11 0 12 0 13 0 14 0 16 0 17 0 18 0 19 0 20 0 21 0 22 0 23 0	5 6 7 9 10 11 12 13 16 17 18 19 20 21 22 24	5 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3 4 4 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5 A A 3 3 3 4 4 4 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6	

*** Change intensive module numbers when necessary

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CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet Project label: PCAP Project Name: OF RR 2011

Plot No.: 3399

(P) Cleveland Metroparks

Page: 1 of 1

plug wih shovel. Describe using Munsell chart SOIL PIT DESCRIPTION: Excavate 20 cm

Soil pit module #_ visual exam, texture, and odor. (one per entire plot)

20 cm 5 cm matrix color matrix color hydro. cond.*** hydr. cond. *** redox features** lexture* %mottle %mottle edox features** exture* xid roots xid roots nottle color ottle color 104R 3/2 10483/2 0

- refer to texture classes on reverse side
- ** e.g. hydrogen sulfide odor, gleying, etc

*** Circle one: indundated S=saturated M=moist D=dry=

 Excessively drained □ Somewhat excessively

(worms, castings, middens) Votes: include evidence of earthworms

SOIL SAMPLES Standard procedure: collect a soil intensive module and composite the sample sample of the top 10 cm of soil from center of each

Soil Description/notes:

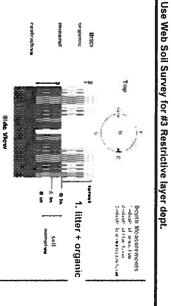
5,	DRAINAGE* deposits	Parent Material: Loamy 15/14 olacio custo ne	andform type: legrace	oil Series Source: Ohio Soil Survey	oil Series Type: Euclid Silt loam	Veb Soil Survey Information:		
----	--------------------	--	-----------------------	-------------------------------------	-----------------------------------	------------------------------	--	--

C?=check when collected each intensive module. Required for VIBI-E score calculation collected in 0.1m clip plots (32x32 cm) from corners 1 and 3 in STANDING BIOMASS (required for emergent wetlands):

			Module #
			C?
			Corner
			Corner

recoi	nearest 0.1 cm in center of i	SOIL DEPTH MEASUREMEN	
record as >30	nearest 0.1 cm in center of intensive modules. If >30.5 cm,	SOIL DEPTH MEASUREMENT INSTRUCTIONS: Measure to the	

		ie	record as >30			1
	1 litter +	2 litter	2 litter 3 restrict	water	depth	7.7
	organic depth	depth	depth(cm)	depth	sat soil	
mod#	(cm)	(cm)	*[WSS]	(cm)	(cm)	
/	0.0	3.0	>125	4.0	0	
Lenath of	Lenath of soil probe = 125 cm	= 125 cm				



□ Impermeable surface Very poorly dr. o Moderately well dr.

Well drained

Somewhat poorly dr

Natural Resources Mangement FORM NR/2010-06a

which form a ball but not a ribbon should be coded as loamy. post a ball and a ribbon should be coded as clayey; samples and attempt to form a self-supporting ribbon. Samples which form soil does form a ball, squeeze the sample between your fingers a grainy texture, the texture is either sandy or coarse sandy. If the roll the sample into a ball. If the soil will not stay in a ball and has does not freely flow from the sample when squeezed. Attempt to enough that all of the particles are saturated but excess water of modeling clay/wet newspaper; the sample should be wet the appropriate layer and moisten it with water to the consistency and 20 cm layers. To estimate texture, collect a soil sample from SOIL TEXTURE: Record the code for the soil texture of the 5 cm

oinsgnO =0

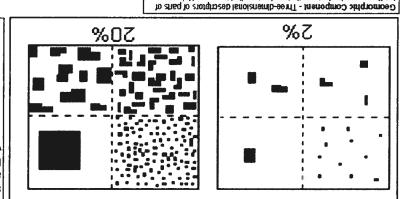
2= Clayey 1= Loamy

3 = Sandy

4= Coarse Sand

9= Not measured - make plot note

Many S ≥ 20 S to < 50 Common 3 W9 1 Surface Area Covered SISAN Conv. Criteria: % of Code Class PERCENT MOTTLES (USE CLASS CODES):



\$8 \$8

SN SH

SISAN

SS

SN

SH

dGd

descriptors are avaitable for Hills, Terraces, Mountains, and Flat Plains;

tendforms or microfeatures that are best applied to areas. Unique

&S. This is best applied to transects or points, not areas. spoud a nausect grat usus no and down the slope; e.g., backslope or dimensional descriptors of parts of line segments (i.e., slope position) Hillstope - Profile Position (Hillstope Position in PDP) - Two**WALL**

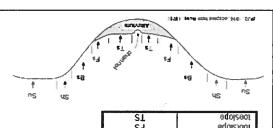
sdets

AT.

RI

Code

ne: 45 adojsao ŁZ equisioot 82 psckzjobe HS JODINOUS **IMMUNS** Spoo position



HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)

nesq

USBL

(9861 'MPS

enaces

UPLAND: Not a wetland. Very rarely flooded.

o surface for extended periods during the growing season. INTERMITTENTLY/SEASONALLY SATURATED. Dry at least once per year. Surface water is seldom present, but substrate is saturated

PERMANENTLY/SEMIPERMANENTLY SATURATED. Dry less than once per year. Surface water is seldom present, but substrate is

OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier.

surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier. TEMPORARILY FLOODED: Surface water present for brief periods during growing season , but water table usually lies well below soil characterizes flood-plain upper terraces.

the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's developed for use in the and West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable

is normally saturated when water level drops below soil surface. Includes Cowardin's Intermittently Exposed and Semipermanently Flooded SEMIPERMANENTLY FLOODED (exposed <1/year); Surface water persists throughout the growing season in most years. Land surface Intermittently Flooded modifier.

PERMANENTLY FLOODED: Water covers the land surface at all times of the year in all years. Equivalent to Cowardin's "permanently

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UNKNOWN: The hydrologic regime cannot be determined from the available information.

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
Project Label: PCAP Project Name: 0/ R 2 5/1

Plot No.: 3399

Obsessed and Medicipants Page: 1 of 1

COVER BY	COVER BY STRATA(% estimate using midpoints, of 5 ex: 3, 8, 13, 18%)	etimate using
	Height Range	
Strata	(m)	Total Cover (%)
Trec	5.+	0
Shrub	25.5	0
Herb	0-2.5	90
(Floating)*		0
(Aquatic)**	-	0
rooted and fi	rooted and floating or slightly emersed	emersed
• submersed,	** submersed, most plant mass below surface	below surface
SEE BACK	SEE BACK OF PAGE FOR "TYPICAL"	"TYPICAL"
STRATA DE	STRATA DESCRIPTIONS. STRATA	STRATA
CAN VARY	CAN VARY BY COVER TYPE	R

EARTH SURFACE & GROUND COVER	ACE & GRO	UND COVER	
Jnderlying Earth Surface*		Ground Cover	
Sum - 100%)	percent	(Each < 100%)	percent
listosol		Coarse Woody Debris***	ĺ
Vineral Soil	100	Fine Woody Debris****	1
Gravel-Cobble*		Litter	100
Boulder**		Duff (Fenn. + Humus)	100
Bedrock		Bryophyte-Lichen	(
Gravel-Cobble = 1/16 to 10 in		Water	50
*Boulder = > 10 in		Bare Soil	4
** >5 cm in diameter	iter	Road/Trail	1
*** <5 cm in diameter		Other	١

Remember: in a standard 2x5 plot each module = 10% cover

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

tanks for microhabilal features. Select one or select two and average the score. NOTE: If mod falls on a stope automatically gets ranked based on steepness (1-3)

Stope 1 = slight elevational grade across module (hill)

Slope 2 = falls on slope ~20 °

Stope 3 = maximum steepness that can be safely sampled ~45 °

- feature is absent or functionally absent (Golf Course Flat)
- feature is present in very small amounts or if more common, of low quality
- feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality

10 feature is present in moderate or greater amounts and of highest quality

	_				c.w.d count	for pieces with	c.w.d count for pieces with minimum 1m length		
		no of	no of	по шасто	c w d	c.w.d	c.w.d	microhab.	инсгоћав
		tussocks	hummocks	depressions	(2-12 cm)	(12-40cm)	>40 cm	interspers	
		depth 3	depth 2	depth I	depth 1	depth I	depth 1	depth 1	SLOPE
		lxlm	3.16x3.16m	10×10m	10x 10m	10x10m	10x10m	10x10m	10x10m
mod#	corner	(count)	(count)	(count)	(count)	(count)	(count)	(rank)	(rank)
	2,4	0	9	9	0	0	0	3	1
									(
			74						
NOTE: tussock	and hummocks	are counted in BOT	NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.	ers but counts are	aggregated.				
c.w.d. = course woody debris	ons = macrotope waody debris	graphic depressions	with module. These r	nay extend into oth	mad o depressions = macrotopographic depressions with module. These may extend into other modules and be counted again. c.w.d. = course woody debris	ed again.			
microhab. Inters	pers = overall	anking of plot micro	microhab. Interspers = overall ranking of plot microtopographic interspersion complexity using scale below	on complexity usin	g scale below				

TRAIL INFORMATION: If trail falls in plot record type and cover for each Type Hiking sanctioned Bootleg unsanctioned %Cover

CROWN COVER (DENSIONETER) Make 4 readings per module facing N. S. E. W. Place dot count in corresonding space (4 dots per gnd square)

c	30		-	Module
24	96	96	96	z
96	46	2/6	96	s
96	96	96	96	Е
46	46	36	96	*

25

At aspect N				NW	+315 degrees
NE LEI TSI** SE SE SW	-Jo in away			W	+27() degrees
N I.F!* TS!**	person standing			SW	+225 degrees
NE SE TSI**	from recorders			S	+180 degrees
NE LEI TSI**	For TSI			SE	+135 degrees
NE LFI* TSI**	by local slopes			E	+90 degrees
N LFI* TSI**	horizon TSLis			Z.E	+45 degrees
	LFI is angle of			z	At aspect
		TSI**	TEI.		

** Terrain Shape Index (site microtopographic shape)

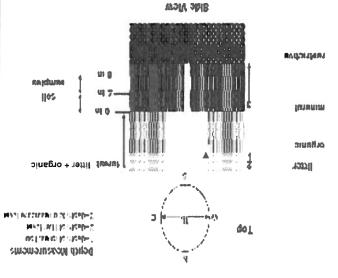
Cleveland Member*	Ohio Shale	The second secon	UPPER DEVONIAN
"elari2 brothe8	Į		- 5
Венев Звидајоне,			
Znupra Zuste,			
:219dmem baman audiemun 16dmeM entdatora Madel 21dm edi to end 21 2 din unetaame	Cuyahoga Formation*		WISSISSIPPIAN
Virinon Sundstone Member Pyer Sendstone Member Byer Sendstone Member	Logan Formation*		
Politsvilje Group.			LOWER PENNSYLVANIAN

and Lower Pennsylvanian formations of Upper Devonian Aliansappinan. Assertible and Lower Pennsylvanian formations for the consistence of the consi

MUTARTS COVER BY STRATA

ni H80 mp 2.5> as no thoish m 4.1 of our	se begiteb nefto are apilibees eetT***
mč.0> adunda llse.i .e.	"*Can also include seedlings of shrub:
mutsite eert edt ni bet	*Very tall shrubs are sometimes includ
Submerged	Aquatic (submerged)
Floating	Floating
Herb, dwarf-shrub**, tree (seedling***)	Herb (Field)
Tree (sapling), shrub, liana, epiphyte)	Shrub (generally 0.5 to 5 m)
ebibhyte)	
Tree (overstory), very tall shrubs*, liana,	Tree (generally >5 m)
GENERAL FORM	MUTARTS

which case they would span the herb and shrub layers.



aa			***				_																
Site	ID.		0	11	2 ~	- 4		RM B-1:	BUFF	ER	SAI	VIPL	ΕP	LOT	rs (F				ved by):		
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Locati	on:								Fill	in b	ubb	le(s) if p	lot(uld not be	sample	ed a	nd fl	ag -	→		
O AA	Center	С	N	0	S	01	= 0	W		lot			Plot	_		Plot 3							
								s; E = Evergre		ype: E	B = Bro	oadlea	f; N =	Needl	e Leaf. /	Absent: No tree oderate(10-40		vy (40)-75%)	; 4 = \	/ery H	eavy ((>75%)
Buffer	Canop	у Тур	e: 🕞) () AI	bsen	t: 🔘	Buffer	Canop	у Тур	e: 🕞) () AI	bsen	t O	Buffer	Canopy	Тур	e: 🕞	•) At	sent	: 0
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Big Trees (>	0.3m DBH	0	0	0	0	0		Big Trees (>	0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH)	0	0	0	0	0	
Small Trees (<0.3m DBH	•	0	0	0	0		Small Trees (<0.3m DBH	0	0	0	0	0		Small Trees	(<0.3m DBH)	0	0	0	0	0	
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Road - gra	avel			0	0	0		Ditches, C				0	0	0		Pasture/Ha	зу			0	0	0	
Road - tw	o lane			0	0	0		Dike/Dam/ (IMPEDE FLO		R Bed		0	0	0		Range				0	0	0	
Road - fou	ur lane			0	0	0		Water Lev	el Contro	Stru	cture	0	0	0		Row Crops				0	0	0	
Parking Le	ot/Paven	nent		0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Fiel	D)	Utto	NG	0	0	0	
Golf Coun	se			0	0	0		Fill/Spoil B				0	0	0		Fallow Field SHRUBS, TRE		ASS.		0	0	0	
Lawn/Parl	k			0	0	0		Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery				0	0	0	
Suburban	Residen	itial		0	0	0		Soil Loss/F		osure		0	0	0		Dairy		W		0	0	0	
Urban/Mu	Itifamily			0	0	0		Wall/Ripra	р	1 5		0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A		ding		0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C Impervious	R STORMV	VATER)	0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		(SHEETFLOW		input		0	0	0		Gravel Pit		300		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation				0	0	0	
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Oil Drilling				0	0	0	in early	Forest Clea	r Cut			0	0	0		Herbicide U	lse			0	0	0	
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	erground	"		0	0	0	-	(INSECT) Shrub Layer	r Browse	d		0	0	0		(ANIMAL OR H	Transport Control			0	0	0	
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Other:			186	0	0	0		Canopy		-		0	0	0		Other:				0	0	0	
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FI	ag codes	: K = 1	No me	asure	ment	made	, U=S	uspect measi	ırement.,	F1,F2	, etc.	= mls	c. flag	s ass	igned b	y each field cı	rew.	2003	2428	2169	304		1

Explain all flags in comment section on the back of this form Buffer Sample Plots 05/27/2011



Site ID:	WE - 11					DAT	E:		_/_					
Confirm	a filic	ed da	ta bı	ıbble iı	ndicates presence and an unf	illed l	bubbl	e ind	icates	absence by filling in this bub!	ole			HA.
Fill bubble if present - Plot	1	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0	1	Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
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Parking Lo	-	nent		0	0			Excavation				0	0	0		Fallow Fiel	d (RECENT-R	ESTING	0	0	0	
Golf Coun			A SU	0	0	0		Fill/Spoil B		150	700	0	0	0			d (OLD - GRA	SS,	0	0	0	
Lawn/Parl	(Title.	•	0	0		Freshly De		edin	nent	0	0	0		SHRUBS, TRE Nursery	ES)	0.73 %	0	0	0	
Suburban	Residen	itial	h.K	0	0	0		Soil Loss/F		osure		0	0	0		Dairy	16, 8104		0	0	0	
Urban/Mu	ltifamily			0	0	0		Wall/Ripra	р		lini.	0	0	0		Orchard	HUS AND		0	0	0	
Landfill				0	0	0		Inlets, Out	ets		103	0	0	0		Confined A	nimal Feed	ing	0	0	0	1
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Trash				0	0	0	ġ.	Impervious (SHEETFLOV	surface			0	0	0		Gravel Pit			0	0	0	
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Mine (surf	ace)	of the		0	0	0		Tree Planta	73/10		1391	0	0	0		Trails			0	0	0	
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	J. J. Ca.			0	0	0		(INSECT) Shrub Laye	Browsed	t		0	0	0		(ANIMAL OR H	CHAPPING .	•	0	0	0	
Military								(WILD OR DON Highly Graz	IESTIC)		100				-	Soil erosion					-	
Other:			98	0	0	0		(OVERALL <3" Recently Bu	HIGH)			0	0	0		OR OVERUSE			0	0	0	
Other:	on at Au-	Tá e Ten	-	0	0	0		Canopy Recently Bu			nd	0	0	0		Other:	-		0	0	0	
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	and persons					Exp		uspect measi lags in comm							igned by	y each field cı	ew.	242	8168	304		
Bı	uffer Sar	nple I	Plots	05,	/27/2	2011																STORE !

Site ID:						DAT	E: _		_/_					
Confirm	a fille	ed da	ta bı	ıbble ir	ndicates presence and an unf	illed	bubb	le ind	licates	absence by filling in this bub	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	AMMELIA
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
									BUES.	Other:	0	0	0	
					PLOT COORI	DINA	TES		Brille !					
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05/27/2011

Buffer Sample Points - Targeted Alien Species

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OAA	CIIICI								Buffer		-	Elizabeth.						*			
Fill in bubble Strata Section	es for all thon: Fill in a	nat app approp	oly: Ca oriate c	nopy Tover c	Type: lass b	D = D oubble	eciduou for eacl	s; E = Evergre n strata type fo	en. Leaf T or each plo	ype: B t. 0 = /	= Bro Absen	adlea t; 1 = \$; N = I Sparse	Needle e(<10%	e Leaf. A 6); 2=M	Absent: No tree oderate(10-40	e canopy. %); 3 = Heavy (40-75%), 4 = \	ery H	eavy (>75%)
Buffer	Canopy	у Тур	e: 🌘	() At	osen	: O	Buffer	Canopy	/ Тур	e: 🕞) () At	osent	: (Buffer	Canopy Type:	(Ab	sent	: O
Piot 1	Lea	f Typ	e: 🌘	<u>(</u>			Flag	Plot 2	Lea	f Тур	e: (6	(Flag	Plot 3	Leaf Type:	0	Ц,		Flag
Big Trees (>	0.3m DBH)	0		0	0	0		Big Trees (>	0.3m DBH)		0	0	0	0		Big Trees	(>0.3m DBH)		0	0	
Small Trees (<	:0.3m DBH)		0	0	0	0		Small Trees (<0.3m DBH)	•	0	0	0	0		Small Trees	(<0.3m DBH)	0	0	0	
Woody Shrubs (0.5m-	s, Saplings -5m HIGH)		0	①	0	0		Woody Shrub (0.5rr	s, Saplings 1-5m HIGH)		0	0	0	0			im-5m HIGH)	0	0	0	
Woody Shrubs (<0.	s, Saplings .5m HIGH)	0	•	0	0	0		Woody Shrub (<0	s, Saplings).5m HIGH)		0	0	0	0			bs, Saplings 0.5m HIGH)	0	0	0	
Herbs, F	orbs and Grasses	0	0	0	0	0		Herbs, i	Forbs and Grasses	0	0	①	0	•		Herbs,	Forbs and Grasses	0	0	0	
Bare	ground	•	0	0	0	0		Bare	ground		0	0	0	0		Bar	re ground 💿 🕦	0		0	
Lit	ter, duff	0	0	0	0	0		Li	tter, duff		0	0	0	0		L	itter, duff 💿 🌑	0	0	0	
	Rock	0	0	0	0	0		- Constant	Rock	•	0	0	0	0			Rock 🔘 🛈	0	0	0	
	Water	0	0	0	0	0			Water	0	0	(2)	0	0			Water 💮 🕠	0	0	0	
	bmerged egetation		0	①	①	0			ubmerged /egetation		0	0	0	0			Submerged Vegetation	0	0	0	
			e/Ab	senc	e - (Confi	rm that			ndical	es pi	esen	ce an	d an	unfilled		cates absence by fill	ing thi	s bub	ble.	•
Resi	dential	and	Urba	an St	tress	sors			Hydrolo	gy S	tres	sors					Agricultural & Ru	ırai S	tres	sors	
Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	e if prese	nt - F	Plot	1	2	3	Fiag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gra				0	0	0		Ditches, C	hanneliza	ation	lastri.	0	0	0	www.wa.	Pasture/Ha	ıv	0	0	0	
Road - two				0	0	0		Dike/Dam/	Road/RR		DIE.	0	0	0		Range		0	0	0	
Road - fou	ır lane			0	0	0		Water Lev		l Stru	cture	-	0	0		Row Crops		0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0	
Golf Cours	se	Y N		0	0	0		Fill/Spoil B	anks	PAN.		0	0	0			d (OLD - GRASS,	0	0	0	
Lawn/Parl	(0	0	0		Freshly De		edim	ent	0	0	0		Nursery		0	0	0	
Suburban	Residen	itial		0	0	0		Soll Loss/F		sure		0	0	0		Dairy		0	0	0	
Urban/Mul	ltifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out	William Town			0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sour	OR STORMV			0	0	0		Rural Resid	dential	0	0	0	
Trash				0	0	•		(SHEETFLOV		input		0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:			_	0	0	0		Irrigation		0	0	0	
Other:				0	0	0		Other:	1950		_	0	0	0		Other:		0	0	0	
Indu	strial D	evelo	opmo	ent S	tres	sor	3						labit	at/V	egeta	tion Stress	ors				
Fiil bubble	if pres	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	lot	1	2	3	Flag	Fill bubb	le if present - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse	0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cutting	0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta	tion			0	0	0		Trails		0	0	0	
Mine (und	erground	j)	Ail.	0	0	0	S.	Tree Canop	y Herbivo	ory	15.1	0	0	0		Soil Compa		0	0	0	
Military				0	0	0		Shrub Laye		d		•	0	0		JERSON CONTRACT	icle damage	0	0	0	
Other:		-	Tabl	0	0	0		Highly Graz	ed Grass	es		0	0	0			(FROM WIND, WATER,	0	0	0	
Other:				0	0	0		Recently Bu		est		0	0	0		OR OVERUSE Other:		0	0	0	
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300000000000000000000000000000000000000	ag codes	: K = N	- vo me					(BLACKENED) uspect meas	urement.	F1.F2	, etc.					y each field c	rew.		1		
	uffer Sar				/27/2	Exp		lags in comm									242	8168	5U4	E AND	

Fill bubble if present - Plot 1 2 3 Flag Fill bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Eurasian Watermilfoil O O O Purple Loosestrife O O O Johnson Grass O O O Water hyacinth O O O Mater hyacinth O O O O O O O O O O O O O O O O O O O	Site ID:						DAT	E:		_/_	/				
Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Section 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Section 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble	Confirm	a fille	ed da	ata b	ubble i	ndicates presence and an uni	filled					ble			
Eurasian Watermilfoli			T	1	_		T	1	1	1		1	2	3	Flag
Water hyacinth O	Eurasian Watermilfoil	0	+	6					-	11		+	-	+ +	
Yellow Floating Heart O O O Japanese Knotweed O O O Multiflora Rose O O O O Glant Salvinia O O O Perennial Pepperweed O O O O Common Buckthorn O O O O O O O O O O O O O O O O O O O	Water hyacinth	-	1	+			1	+	+				+		
Giant Salvinia O O O Perennial Pepperweed O O O Common Buckthorn O O O O O O O O O O O O O O O O O O O		1	+	-		Japanese Knotweed	-	+	+		Multiflora Rose	1	+	1	
Garlic Mustard	Giant Salvinia		+	+		-	+	+	-			-	+	+ +	
Poison Hemlock O O O Cheatgrass O O O Tamarisk O O O Mile-A-Minute Weed O O O Reed Canary Grass O O O O Other: O O O O O O Other: O O O O O O O O O O O O O O O O O O O	Garlic Mustard	1	+	+			100	1	1		Himalayan Blackberry	1	+	1	
Mile-A-Minute Weed O O O Reed Canary Grass O O O O Other: O O O O Other: O O O O Other: O O O O O O Other: O O O O O O Other: O O O O O O O O O O O O O O O O O O O	Poison Hemlock	1	-	+		Cheatgrass	1	+				-	1	+ +	
Birdsfoot Trefoil Canada Thistle O O Common Reed O O O Other: O O O O Other: O O O O O Other: O O O O O O Other: O O O O O O O O O O O O O	Mile-A-Minute Weed	1	-	+			+	+	+ -		Other:	+	+	1	
Canada Thistle O O O Leafy Spurge O O O O Other: Other: Other: O O O O Other:	Birdsfoot Trefoil	+	+	1		Common Reed	1	1			Other:		+	1	
Provide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of the plot coordinates by filling in the appropriate bubble. If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot. Location of coordinates (choose one): O AA CENTER O N3 O S3 ● E3 O W3 O Nearest practicable location (flag and comment below) Latitude North 4 . 44 749 Longitude West - \$1.83665. Use Decimal Degrees; NAD83	Canada Thistle	-	1	+		Leafy Spurge	+	+	-			1	+	+ +	
Provide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of the plot coordinates by filling in the appropriate bubble. If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot. Location of coordinates (choose one): O AA CENTER O N3 O S3 SE3 O W3 O Nearest practicable location (flag and comment below) Latitude North 4 . 44 7 4 Longitude West - \$1 . 83 6 65 Use Decimal Degrees; NAD83			911								Other:		1	1	
Provide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of the plot coordinates by filling in the appropriate bubble. If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot. Location of coordinates (choose one): O AA CENTER O N3 O S3 S E3 O W3 O Nearest practicable location (flag and comment below) Latitude North 4 . 44 7 4 9 Longitude West - 81 . 83 6 65 Use Decimal Degrees; NAD83		EXIST.	1016	Aller		PLOT COOR!	DINA	TES	Name of	AND DESCRIPTION OF THE PARTY OF					HI553
			100			14.79.9.	Lon	gituc	de W			<u>.</u> 5			
	Flag Comments			DE SAN		300 Booma, 2-3.	-		100						
			<u>Hall-roots</u>												
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Site	ID:	PC	A	3	<u>3</u>	79	RI	<u> </u>							DATE	·6_	1741	2	<u>) </u>	1 9		
Locati	on:								Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ld not be	sampled a	nd fla	ıg –	→ [
OAAC	Center	0	N	•	S	OE	O	W	OP				Plot			lot 3						
Fill in hubble	es for all th	nat and	nlv: Ca	nopy 1	Type:	D = D	eciduou	s: F = Everore	Buffer en. Leaf T	vpe: E	B = Bro	adlea	f: N = 1	Needle	e Leaf. A	bsent: No tree	е сапору.					
Strata Section	on: Fill in a	approp	oriate o	cover	class t	oubble	for each	strata type f	or each plo	t. 0 =	Absen	t; 1 = 5	Sparse	e(<10%	6); 2=Mc	oderate(10-409	%); 3 = Heavy (4	0-75%);	4 = V	ery He	:avy (>75%)
Buffer	Canopy	у Тур	e: 🕞) () AI	bsen	沙夏	Buffer	Canopy	у Тур	ре: 🕞) () AI	bsent		Buffer	Canopy Typ	e: (<u>(E)</u>	Ab	sent:	: 0
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Big Trees (>	-0.3m DBH)	•	0	0	0	0		Big Trees (>0.3m DBH)	1	0	0	0	<u>O</u>		Big Trees	(>0.3m DBH)	+=+	0		0	
Small Trees (<0.3m DBH)	0		0	0	0		Small Trees			0	0	0	\odot		Small Trees		++	<u> </u>		0	
	-5m HIGH)		0	0	0	0			n-5m HIGH)	•	0	0	0	<u>O</u>		(0.5	nbs, Saplings m-5m HIGH)	++	<u> </u>	<u> </u>	0	
).5m HIGH)	•	0	0	0	0			0.5m HIGH)	•	0	0	0	<u>O</u>		(<	bs, Saplings :0.5m HIGH)		<u> </u>	<u> </u>	0	
Herbs, F	Forbs and Grasses	0	0	•	0	0		Herbs,	Forbs and Grasses	0	0	0	0	•		Herbs,	Forbs and Grasses		9	<u> </u>	0	
Bare	ground	0	0	0	0	0		Ban	e ground		0	0	0	<u>O</u>		Bar	e ground ①	+=+	<u> </u>	<u> </u>	0	
Lit	tter, duff		0	①	0	0		L	tter, duff	•	0	0	0	\odot		L	itter, duff	+	<u> </u>	<u> </u>	0	
	Rock	9	0	0	0	0			Rock	0	0	0	0	0	1		Rock 💮	101	<u> </u>	<u> </u>	0	
	Water	0	0	0	0	0			Water		0	0	0	0			Water 0	0	<u> </u>		0	
	ubmerged /egetation		0	0	0	0			ubmerged /egetation	•	0	①	0	0			Submerged Vegetation		<u> </u>	<u> </u>	0	
Stress	sor Pres	senc	e/Ab	senc	e -	Confi	rm that	a filled data	bubble i	ndica	tes p	resen	ce an	d an	unfilled	bubble indi	cates absence	by fillin	g this	s bub	ble.	•
Resi	idential	and	Urb	an S	tres	sors			Hydrolo	gy S	itres	sors					Agricultural	& Rur	al S	tress	sors	
Fill bubble	e if pres	ent -	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent -	Plot	1	2	3	Flag	Fili bubble	if present - i	Plot	1	2	3	Flag
Road - gr	avel			0	0	0		Ditches, C				0	0	0		Pasture/Ha	у		0	0	0	
Road - tw	o lane	fjuls		0	0	0		Dike/Dam (IMPEDE FLO		R Bed		0	0	0		Range		-	0	0	0	
Road - for	ur lane			0	0	0		Water Lev	el Contro	I Stru	ucture	-	0	0		Row Crops		-	이	0	0	
Parking L	ot/Paven	nent		•	0	0		Excavatio	Marie	ng		0	0	0		ROW CROP FIEL	d (recent-rest d) d (old-grass,			의	0	
Golf Cour	se			0	0	0		Fill/Spoil E		Sedin	nent	0	0	0		SHRUBS, TRE		-	의		0	
Lawn/Pari				0	0	0		(UNVEGETA	TÉD)			0	0	0	325	Nursery			0	9	0	
Suburban		ntial		0	0	0		Wall/Ripra		USUITE		0	0	0		Orchard					9	
Urban/Mu	lititamily			0	0	0		Inlets, Ou				0	0	0	-		nimal Feeding		0	0	0	
Landfill		Part .		0	0	0		Point Sou	rce/Pipe			0	0			Rural Resi		-	0	0	0	
Dumping Trash			Golden.	0	0			(EFFLUENT Imperviou	s surface			0	0	0		Gravel Pit		-	0	0	0	
Other:				0	0	0		(SHEETFLO) Other:	M)			0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:		-0-511		0	0	0		Other:	40		0	0	0	
	strial D	evel	opm			AUL U	S						DUA'S		egeta	tion Stress	ors					
Fili bubbl	-		District	1	2	3	Flag	Fill bubble	o if prese	nt -	Plot	1	2	3	Flag	Fill bubb	le if present -	Piot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	70.19		T T	0	0	0		Herbicide L	Jse		0	0	0	-
Gas Wells			4.5	0	0	0		Forest Sele	10000			0	0	0		Mowing/Sh			•	0	0	
Mine (sur				0	0	0		Tree Planta				0	0	0		Trails			0	0	0	
Mine (und		d)		0	0	0		Tree Cano	1,190	ory		0	0	0		Soil Compa		_	0	0	0	
Military				0	0	0		Shrub Laye	er Browse	d		0	0	0		DESCRIPTION OF STATE	nicle damage	-	0	0	0	
Other:			The second	0	0	0		Highly Gra	zed Grass	ses		0	0	0		Soil erosion	(FROM WIND, W	WATER !	0	0	•	
Other:		, Targets	1	0	0	0		Recently B		rest		0	0	0		Other:			0	0	0	
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	lag codes	: K =	No me	1	1		e, U = S			F1,F	2, etc.			s ass	igned b	y each field c	rew.	2428	-			1
	Buffer Sai					Exp	lain all t	lags in com	nent section	on on	the ba	ack of	this fo	OFF				2420	100	.504	eden.	MAINT.

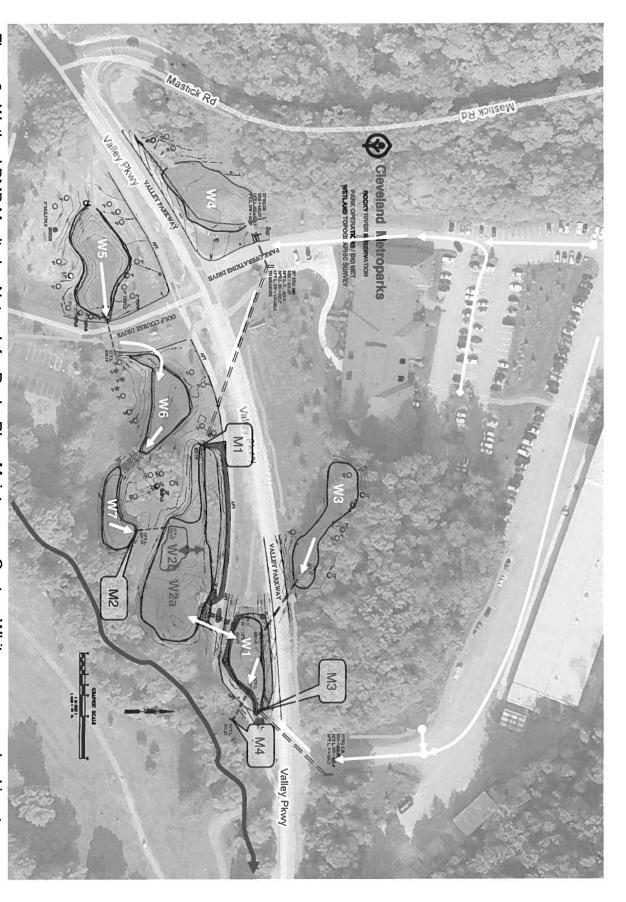
Site ID:						DAT	E: _		_,/ _	/				
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Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	•		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	•		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	alles .—
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	•		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
	0007			-5-1						Other:	0	0	0	
				DUANS!	PLOT COORI		TEC		Sant					Series.
location of the plot coordinate If Buffer Plot 3 can not be acc Plots are centered on the Buf flag box, and describe where	cesse fer Tr the co cente	d, tak anse oordin r of P	in the see the cts ar nates lot 3 a	e coording the coording were to as possine):	Plot (#3) at the far end of each opriate bubble. inates at the nearest practicable coordinates will indicate the loc	Buffee local ation section acces	er Tradetion A of the n belossible	LONG trans bw. Th Buffe	G THE ect. Fil ne coor r Plot.	r the Buffer Plot at the AA CENT TRANSECT. This is important to it in the "nearest practicable local dinates of the nearest practicable	ecau	se ali	Buffe	er in the e
If Buffer Plot 3 can not be accepted by the plots are centered on the Bufflag box, and describe where either placed as close to the Location of coordinate O AA CENTER O No.	cesse fer Tr the coente	d, tak ranse coording r of P	the the cts are nates lot 3 are	e coording the coordinate to were to as possible):	Plot (#3) at the far end of each priate bubble. inates at the nearest practicable coordinates will indicate the loc aken and why in the comment sible or at the center of the last	Buffer local action access cticate Lon	er Trai	LONG trans bw. Tr Buffe cation	G THE ect. Fill ne coor Plot.	TRANSECT. This is important to the "nearest practicable located in the "nearest practicable dinates of the nearest practicab	pecau tion" le loc	se ali	Buffe le, fill can b	er in the e
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05/27/2011

Buffer Sample Points - Targeted Alien Species

•					1,3/		FOF	RM B-1:	BUFF	ER S	SAN	iPLI	E PL	.OT	S (Fi	ont)	Reviewed by	(initial):		_ (•
Site I	ID:	9	A	$P_{\frac{3}{2}}$	339	99	RI	2							DATE	_6	114/2	<u>O.</u>			
Location	on:				n de				Fill	in bu	ıbbl	le(s)	if pl	ot(s) cou	ld not be	sampled and f	ag -			9
OAAC	Center	0	N	0	S	O E	•	W	OP	lot 1	Dit.	OF	Plot	2	OP	lot 3					
Fill in bubble Strata Section	es for all tha on: Fill in ap	eciduou for each	Buffer Natural Cover Strata s; E = Evergreen. Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy. n strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%)																		
Buffer	Canopy	Туре	: 0	() At	sent	•	Buffer	Canopy Type: ①			Absent:		Buffer	Canopy Type: 0	=	Ab	sent			
Plot 1	Leaf	Туре	<u> </u>	<u>(</u>			Flag	Plot 2	Leaf	f Туре	$\overline{}$			_ 1	Flag	Plot 3	Leaf Type:		L	-1	Flag
Big Trees (>	>0.3m DBH)		\odot	<u> </u>	<u> </u>	0		Big Trees (>	0.3m DBH)		<u> </u>	0	- +	<u> </u>		Big Trees	(>0.3m DBH)	0	9	의	
Small Trees (<0.3m DBH)			\odot	0	<u> </u>	\odot		Small Trees (0	0	0	0	0		Small Trees		0	9	<u> </u>	
Woody Shrubs, Saplings (0.5m-5m HIGH)			\odot	0	0	0			-5m HIGH)	0	0	0	<u> </u>	<u>⊙</u>		(0.5	ibs Saplings im-5m HIGH)	0	0	<u> </u>	
Woody Shrubs, Saplings (<0.5m HIGH)			\odot	②	0	0		Woody Shrub (<0	s, Saplings 5m HIGH)		0	0	0	<u>O</u>			0.5m HIGH)	0	0	0	
Herbs, Forbs and Grasses			0		0	0		Herbs, I	orbs and Grasses	0	0	•	0	0		Herbs	Forbs and Grasses	0	0	0	
Bare ground 🕡 🛈			0	0	0	0		Bare ground 🕥 🕚			0	0	0	0		Bare ground O			0	0	
Lit	tter, duff		0	0	0	0		Li	ter, duff		0	0	0	0		L	itter, duff	0	0	0	
	Rock (0	0	0	0			Rock	•	0	0	0	0		200	Rock 🕖 🛈	0	0	0	
	Water		0	0	0	0			Water	•	0	0	0	0			Water 🕡 🕦	0	0	0	
	ubmerged /egetation	0	0	①	0	0			bmerged egetation	0	0	0	0	0			Submerged Vegetation	0	0	0	
		ence	/Abs	senc	e - (Confi	m that			ndicat	es pr	esen	e and	d an	unfilled	bubble indi	cates absence by fill	ing thi	s bub	ble.	•
Resi	idential a	and t	Jrba	ın Si	ress	ors			Hydrology Stressors							Agricultural & Rural Stressors					
Fill bubble	e if preser	nt - P	lot	1	2	3	Flag	Fill bubble	o if prese	nt - P	lot	1	2	3	Flag	Fill bubble if present - Plot			2	3	Fiag
Road - gra	avel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Hay		0	0	0	
Road - tw	o lane			0	0	0		Dike/Dam/Road/RR Bed			0	0	0		Range		0	0	0		
Road - for	ur lane	JI B	To P	0	0	•	3	Water Level Control Structure		cture	0	0	0		Row Crops		0	0	0		
Parking L	.ot/Paveme	ent	11 13	•	0	0	Ĭ	Excavation, Dredging			0	0	0		Fallow Field (RECENT-RESTING ROW CROP FIELD)		0	0	0		
Golf Cour	rse			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Fiel SHRUBS, TRE	d (OLD - GRASS, EES)	0	0	0	
Lawn/Par	k			0	0	0		Freshly Deposited Sediment (UNVEGETATED)			ent	0	0	0		Nursery			0	0	
Suburban	Residenti	ial		0	0	0		Soil Loss/Root Exposure			0	0	0		Dairy		0	0	0		
Urban/Mu	ultifamily			0	0	0		Wall/Riprap			0	0	0		Orchard		0	0	0		
Landfill				0	0	0		Inlets, Outlets			0	0	0		Confined A	Animal Feeding	0	0	0		
Dumping				0	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER)				0	0	0		Rural Resi		0	0	0	11
Trash			0	0	0		Impervious surface input (SHEETFLOW)				0	0	0		Gravel Pit		0	0	0		
Other:				0	0	0		Other:			_	0	0	0		Imgation		0	0	0	
Other:				0	0	0		Other:			_	0	0	0		Other:		0	0	0	
Industrial Development Stressors								Habitat/Vegetation Stressors													
Fill bubbl	e if prese	nt - P	lot	1	2	3	Flag	Fill bubble	if prese	nt - P	lot	1	2	3	Flag	Fill bubt	le if present - Plot	1	2	3	Flag
Oil Drilling	g		150	0	0	0		Forest Clea	r Cut			0	0	0		Herbicide (Jse	0	0	0	
Gas Wells	s			0	0	0		Forest Selective Cut		0	0	0		Mowing/Sh	rub Cutting	0	0	0			
Mine (sur	face)			0	0	0		Tree Plantation			0	0	0		Trails		0	•	0	2	
Mine (und	derground))		0	0	0		Tree Canopy Herbivory			0	0	0		Soil Compa		0	0	0		
Military				0	0	0		Shrub Layer Browsed		0	0	0		Offroad vehicle damage		0	0	0			
		-		0	0	0	-	(WILD OR DOMESTIC) Highly Grazed Grasses			0	0	0		Soil erosion (FROM WIND, WATER.		0	0	0		
			-	0	0	0		(OVERALL <3" HIGH) Recently Burned Forest		0	0	0		Or overuse) Other:		0	0	0	CONT.		
COURTED A	Other:			-				Canopy Recently Burned Grassland		0	0	0		Other:			0	0			
Other:	log codes:	K - 1	-	0	O	O	11-5	(BLACKENED)		F1 F2	etr	_			lgned h	that the state of	rew.	0			160
	Buffer Sam					Exp	lain all 1	lags in comn	ent section	on on t	he ba	ick of	this fo	rm			242	8168	304		

Site ID:						DAT	E: _		_/_	/				
	a fille	ed da	ta bu	ubble l	ndicates presence and an unf	iiled	bubbl	e ind	licates	absence by filling in this bul	ble			
Fill bubble if present - Plot	1	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart O O Japanese Knotweed				0	0	0		Multiflora Rose	0	0	0			
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	-
Garlic Mustard		0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed		0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil		0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle		0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
	-	3000							THE ST	Other:	0	0	0	
					PLOT COORE	MA	TEQ		53000					Mala
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connections. Yellow arrows are overland flow inputs. M1-4 are monitoring locations proposed in this application. Figure 2. Wetland BMP Monitoring Network for Rocky River Maintenance Center. White arrows are piped input or

