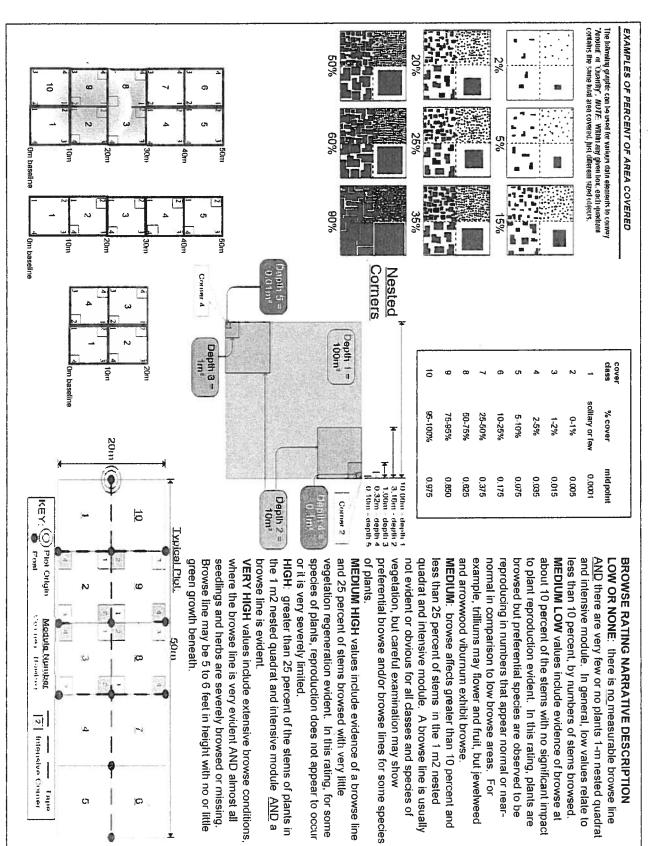
Project Label:	РСАР	Plot No	: 3390	_Date Sampled:		Lead:	
				Comment requ	ired if item ansy	wer is NO	
Parking/Access outside	de of Park Boundaries	Y	If yes, write	e details in Com			
Field journals comple	eted	Ø N			74		
Site sketch made on 1	:3000 map?	€ N					
Check cover page	X-axis Bearing of plot recorded	Ø N		· · ·			
	GPS coords Recorded	N CX					
	North direction recorded	CYZ N					
	Photographs taken?	₩ N					
Plot No., Date agreen	nent on all pages?	N					
Header data complete	d all pages?	Q N					
	d in all Intensive modules	(Y) N			,		
Browse Level By Spe	cies	(Y) N				*****	
Woody stem quality of	control check	N (Q)			<del></del>		
Invasive plant quality		(Y) N					
Ash trees mapped		Y N	\( \lambda \( \lambda \)	4			
Cover by Strata? (con	firm cover type)	N N	100				
	with matching plot #	(Y) N					
	datasheet with initials and number	N					
Vouchers labeled on o		(Y) N					
Pink flags removed		(2) N	1				
Data sheet QA before	leaving site?	(V) N					,
Common equipment r	· · · · · · · · · · · · · · · · · · ·	Ø N	1				
Data sheets scanned?		7/1/11	Enter date to	o left			
Final data sheets scan	ned?	11/1	Enter date to				
Buffer Widths measur	ed?	(T) N					
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Voucher Location	Refrigerator	YN	†				
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•	Drier	Y N					
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	Mounted	Y N					
	Thrown away	Y N					
		···	<u> </u>			377	
ERTS point varificat	ion: ls plot sampleable?						
Yes	Original GRTS point is sampleable					-	
0	Original GRTS point lands in a non-s	nomminable case (f	:11 :	. L.1X			
□ <b>No</b>	Point falls in a water (i.e. rive		ii in category	/ below)			
	□ Managed mowed area (i.e.	<del></del>	ea, right-of-way	·)			
	□ Paved area (i.e. parkinglot, roa			·			
	Unsafe to sample (i.e. steep s	slope)					
	Other			- <del></del>			
dditional Comment	s:						



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CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	Assessment Program	n - Background Data S	heet				(A) GlandandMatequela	1
Project Label:	PCAP	Project Name: 0/4/2011	0/4/120	1		Plot No.:	Plot No.: 3390 Page	Page 2 of 2
CLASSIFICATION		STAND SIZE	DISTUR	DISTURBANCES				
(FTT = excellent, good, fair, poor, CONF = high, med, low)	1 it and Confidence	-1	type*	severity**	ago ago	=	description has shower	b
Hydrogeomorphic class (WETLANDS ONLY):		to >1,000 x plot size	Human	MH	0	100	Corne L'Eurane Menson L'auton	9
a DEPRESSION	Fit= Conf=	> 100 x plot size	Natural 7					
o IMPOUNDMENT o Beaver o Human	Fit=Conf=	o 10-100 x plot size	Fire					
DRIVERINE DHeadwater DMainstein DChannel	Fit=Conf=	D 3-10 x plot size	Cut					
ti SLOPE (ground water hydrology or on a physical slope)	Fit=Conf=	□ 1-3 x plot size	Animal	mL	c	000	deer browns.	
n FRINGING in Reservoir in Natural Lake	Fit= Conf=	co < plot size	Other					
(t) COASTAL (specify subclass)	Fit= Conf=		**L=low,	ML=med lov	, M=med	MH=med	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	
to BOG (strongly, moderately, weekly ombrotrophic)	Fit= Conf=	1	Current Land Use:	and Use:	PARK	PRELAND		
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY)	NLY):		Former Land Use:	and Use:	UNA	NUXUENN		
n FOREST in swamp forest in bog forest in forest seep	Fit=Conf=		HYDROLOG		C REGIME*	E*		
O EMERGENT O marsh O wet meadow O open bog	l'it= Conf=	SALINITY*	pland (	pland (seldom flooded)	led)		n Intermittently flooded	
a SHRUB a shrub swamp a talk she bog a tall she fen	Fit= Conf=	□ Saltwaler	o Intermit	n Intermittently/seasonally saturated	ally satura	led	□ Semipermanently flooded	
MODIFIED NATURESERVE CLASS*	7.7	a Brackish	(seldom	(seldom flooded)		atterale.	Permanently flooded  Tridal/Seighe flooded	
002 d		Colpland (n/a)	(dry <1/	(dry <1/yr, seldom flooded)	looded)		n Tidal/Seiche Hooded monthly	*
COMMUNITY NAME Affrical Duccessinal	tonal -	(hy default unless plot is a D Occasionally flooded (<1/yt) wetland)	u Occasio	Occasionally flooded     Townscarily flooded	l ( <l td="" yt)<=""><td></td><td>☐ Tidal/Seiche flooded irregular</td><td>2</td></l>		☐ Tidal/Seiche flooded irregular	2
Mamnus Som							g Unknown	
HOMOGENEITY	Additional notes & diag	Additional notes & diagrams: (Representativeness of plot to the stand,	of plot to tl	e stand, suc	cessional :	successional status, maturity, etc.)	rity, etc.)	2
to Compositional trend across the plot	Browse		3,	Vibra	num		Viteranum of local	Se Common Section
to Conspicuous inclusions	because "	6	ر مرد			<b>*</b>	in the state of	10
□ Irregular/pattern mosaic	appeared		(	3	, E	8		- 1
	grasses on	and sedges	1	667	**************************************	som	a plat. Appearantly deer do	ó.

CLEVELAND METROPARE Project Label: Total modules: //sual est % open water entire site.	(S Plant Community A PCAP	Project name: Intensive modules: Visual est. %unveg.o.w. entire site:	es Cover Da	er Data	Data Sheet Plo Plot configuration: Visual est, %inv	urat est.	heet Plot no.: onfiguration: Visual est. %invasive:	339° / x + +	90 4 H		4	Plot	area	Page a (ha):	0	Page of of Plot area (ha): 0.04	7	• 1
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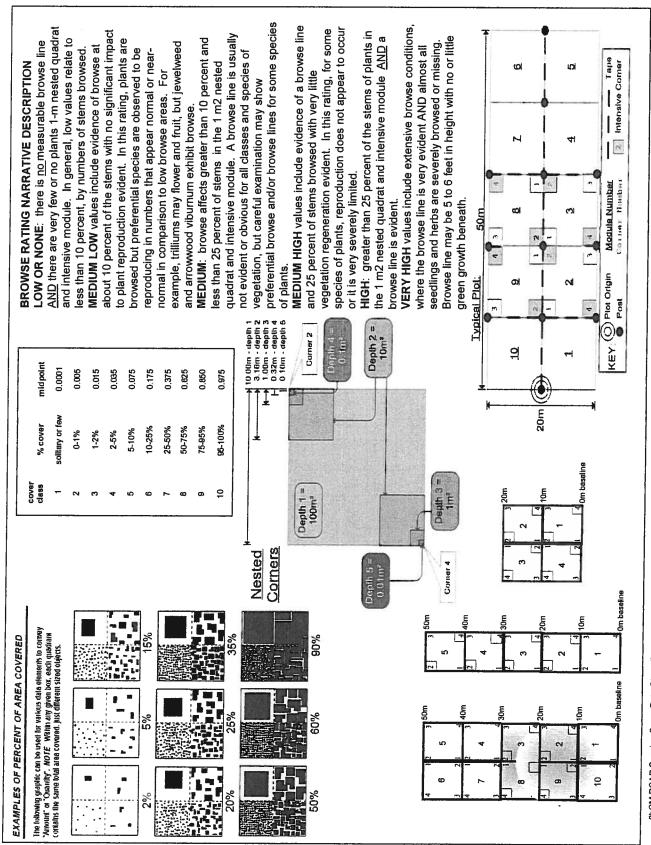


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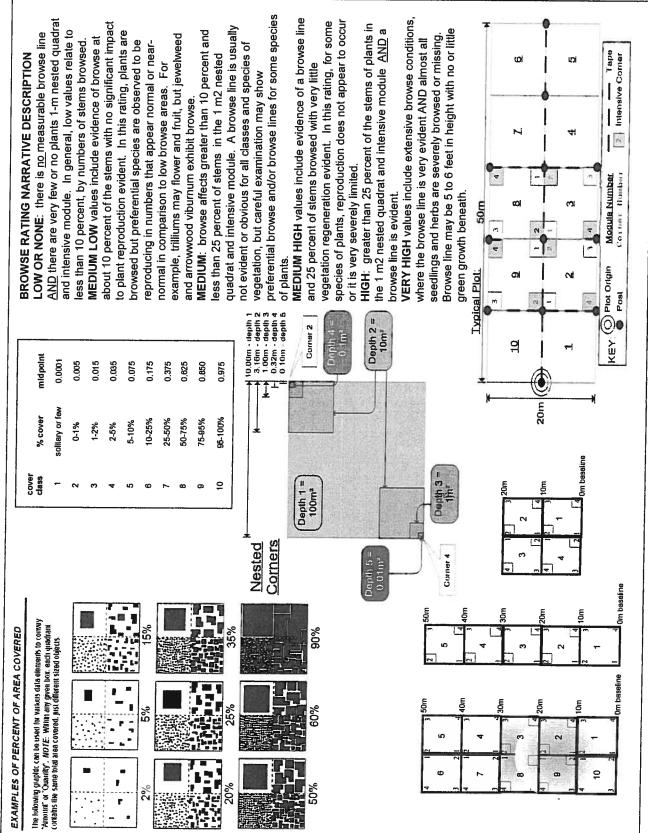
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Natural Resources Management FORM NR/2010-02b

2bCM PCAP Species Cover Data Sheet Back Page\_ver 1.3.ppt

1 ( T M. W CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet W Framous Frangula alays uto acotivalis Frangula alogs Frangula glaus frangula glovs Explain subsample (additional room on back) Project Label: PCAP voucher# # šlenis browsed 0.5-1m or super sample dumps % sub Project Name: 01 HIZON 9 . 1: shrub # size class (cm) woody stems >1m • 0-41 1-<2.5 2.5-<5 Plot No.: 3390 5-<10 10 - < 15 15 - < 20 20 - < 25 Page: 25 - <30 В 30 - <35 c. 0 (V) the relation file trapeates 35 - <40 ē >40 (record each free) =

3

- E: Central stem still standing.
- D: Stem still standing and tertiary main branches present.
  - C: Less than 50% of main branches have fine twigs.
    - B: Over 50% of main branches have fine twigs.
  - A: All main branches contain fine twigs (newly dead).

### usuk as described below)

(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition

ASH CANOPY BREAKUP CONDITION (for dead trees):



a

(lowest branch) on the trunk.

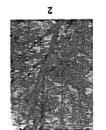
5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy 4. >50% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead. sunlight, die naturally and are not considered.

Э

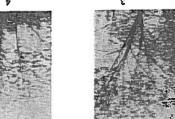
- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to
  - 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
    - 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.

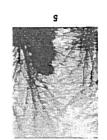
# **NOILIONOSY CONDITION**

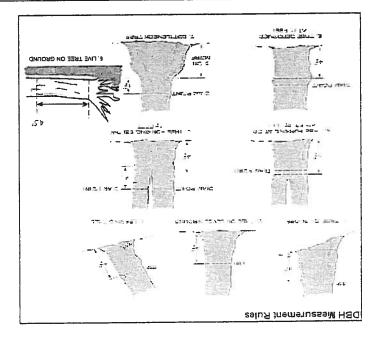


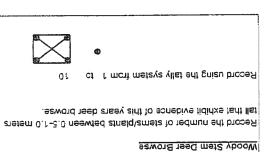












# CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detectio	n/ Rapid response			Pres	ence		GPS	
			NE	SE	SW	NW		Presence
Microstegium vimineum	Japanese stiltgrass							X: yes
Ranunculus ficaria	Lesser Celandine							
Cynanchum Iouiseae (vine								1
-,	d) Flowering Rush			<del>                                     </del>				7
	Giant Hogweed		- 9					7
Heracleum mantegazzianum  Tier 2: Assess		A-20-10-10-10-10-10-10-10-10-10-10-10-10-10	Excher	# of I	Plants		comments	
Her Z: Assess	as Neeueu		NE	SE	sw	NW		# of Plants
STATE OF THE SECOND STATE	Names Manla	New Britain	145	J.	344			1: 1-10
Acer platanoides	Norway Maple		-	-	-	<del>                                     </del>		2: 11-50.
Ailanthus altissima	Tree of Heaven		-	-		<del>  </del>		3: 51-100
Lonicera japonica (vine		e		<del> </del>		<del>                                     </del>		4: 101-1,000
Lythrum salicaria (wetland					<del>                                     </del>	<del>   </del>		5: >1,000
Aegopodium podagraria (G-cove	<u> </u>			-	-	-		15. >1,000
Celastrus orbiculatus (vine				-				-
Torilis sp.	Hedgeparsley			-	<del>  -</del>	+		$\dashv$
Conium maculatum	Poison Hemlock		<del> </del>	-	<u> </u>	$\vdash$		-
Rhamnus cathartica	Common Buckthorn	(shrub)		-	<del>                                     </del>	<del>                                     </del>		-
Berberis thunbergii	Japanese Barberry	(shrub)	<u> </u>	-	<del>                                     </del>	<del>                                     </del>		-
Alnus glutinosa	European Alder			<u> </u>	<u> </u>	<del>                                     </del>		-1
Dipsacus laciniatus	Cut-leaf Teasel		<u> </u>		<u> </u>	+		_
Elaeagnus umbellata	Autumn Olive	(shrub)				1		3.
Lonicera maackii	Amur Honeysuckle	(shrub)				<u> </u>		_
Euonymus fortunei	Wintercreeper			<u> </u>				
Tier 3: Presence	is of Interest		No.	# of	Plants		comments	
			NE	SE	SW	NW		# of Plants
Convallaria majalis (G-cove	r) Lily of the Valley							1: 1-10
Coronilla varia (G-cove	r) Crown Vetch							2: 11-50.
Eleutherococcus pentaphyllus	Five-leaf Aralia	(shrub)						3: 51-100
	r) Japanese Pachysandr	a						4: 101-1,000
Philadelphus coronarius	Mock Orange	(shrub)		T				5: >1,000
	r) Lungwort			T				
Rubus phoenicolasius	Wineberry			T				
	d) Yellow Flag Iris				1			
Ornithogalum umbellatum	Star of Bethlehem		Т	1		T		
Viburnum opulus var. opulus	European Cranberry	(shrub)						
Viburnum plicatum	Doublefile Viburnum							
Tier 4: Widesprea	d and abundant		The same	Pre	sence		comments	
		REVELET IN	NE	SE	sw	NW		Presence
Alliaria petiolata	Garlic Mustard					1 1		X: yes
Ligustrum vulgare	Common Privet	(shrub)	T	1	T	1		
L. morrowii, L. tatarica	Bush Honeysuckles	(shrub)	X	X	X	X		
Phalaris arundinacea	Reed Canarygrass	(55)	<del>1</del>	1	1~	<del>                                     </del>		
Phragmites australis (wetland			+	$\top$	1	1 1		7
	Japanese Knotweed		1	+	+	+ +		7
Polygonum cuspidatum	Glossy Buckthorn	(shrub)	X	×	>	×		7
Frangula alnus	Multiflora Rose	(shrub)		Î		1x		$\dashv$
Rosa multiflora			+	$+^{4}$	+^	<del> ^</del> -		$\dashv$
Typha angustifolia, T. x.glauca	Cattails (wetland	1)	+-	+-	+	+		
Cirsium arvense	Canada thistle		X	+	+	+ +		
Dipsacus fullonum	Common Teasel		+-	+-	+-	╂		-
Hesperis matronalis	Dame's Rocket		┼─		+	+		
Vinca minor (G-cover	·)  Periwinkle							

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

Natural Resources Management FORM 2010-04a

23 24

18

17

5

13 12

10

Tree ID.

Project Label: PCAP

ASIM

20

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface

Project Label: PCAP Project Name: 0111 2011

Plot No.: 33 %

Page: 1 of 1

COVER BY	COVER BY STRATA(% estimate using midpoints, of 5 ex; 3, 6, 13, 18%)	stimate using
Strata	Height Range (m)	Total Cover (%)
Tree	P -5	8
Shrub	0.6 . 5	3
Herb	4 0.5	78
(Floating)*	/	
(Aquatic)**	/	/
racted and fi	rooted and floating or slightly emersed	emersed

EARTH SURFACE & GROUND COVER	ACE & GRO	UND COVER	
Underlying Earth Surface*	th Surface*	Ground Cover	
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	Ø	Coarse Woody Debris***	
Mineral Soil	4,001	Fine Woody Debris****	23
Gravel-Cobble*	Ø	Litter	Ø
Boulder**	Ø	Duff (Ferm. + Humus)	8
Bedrock	Q	Bryophyte-Lichen	3.
* Gravel-Cobble = 1/16 to 10 in		Water	/
**Boulder = > 10 in	<b>3</b>	Bare Soil	8
** >5 cm in diameter	ler	Road/Trail	
**** <5 cm in diameter	meter	Other	

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

" submersed. most plent mass below surface
SEE BACK OF PAGE FOR "TYPICAL"
STRATA DESCRIPTIONS. STRATA

CAN VARY BY COVER TYPE.

# MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only Slope 1 = slight elevational grada across module (hill) tanks for microhabital features. Select one or select two and average the score. NOTE: If mod fails on a slope automatically gets ranked based on steepness (1-3) Slope 2 = falls on slope ~20 ° Slope 3 = maximum sleepness that can be safely sampled ~45 °

- feature is absent or functionally absent (Golf Course Fial)
- feature is present in very small amounts or if more common, of tow 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

					the second second			
	no of	no of	по тасто.	cwd	c.w.d	6 w d	microhab	microhab
	tussocks	hummocks	depressions	(2-12 cm)	(12-40cm)	>40 cm	interspers	
	depth 3	depth 2	depth 1	depth t	depth 1	depth l	depth 1	SLOPE
	lxlm	3.16x3.16m	10x10m	10x10m	10x10m	10x10m	10x10m	10x10m
mod# cor	corner (count)	(count)	(count)	(count)	(count)	(count)	(rank)	(rank)
_	Ó	Ø	Ø	24	ø	Ø	en.,	
2	Ø	Ø	Ø	514	B	0	_	_
W	Q	0	Ø	13	Ø	Ø		_
H	Ø	0	Ø	11	Ø	Ø	4	-
								#
-								-11

TRAIL INFORMATION: If trail falls in plot record type and cover for each	If trail falls ! cover for
Туре	%Cover
a All Purpose	
o Bridle	
Hiking sauctioned	
Bootleg unsanctioned	
🛚 Gravel	
a Deer	

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

20 20	3 4 95	2 4 88	1 de 2	Module N
46	46	94	48	s
۱۳)	14	54	84	Æ
26	96	96	96	W

AcNAB INDICES (de figures de figu	MCNAB INDICES (degrees) + for up - for down  FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD)  LF1: TS1:-  At aspect N  +45 degrees NE  +90 degrees E	LOUT IN FIELD  TSI**  LFI is angle of plot to the horizon TSI is angles formed by local slopes
At aspect	N	LFI is angle of
+45 degrees	NE	horizon TSI is
+90 degrees	3	by local slopes
+135 degrees	SE	For TSI
+180 degrees	S	from recorders
+225 degrees	SW	eve to eve of
+270 degrees	W	-10 m away
+315 degrees	WW	

Landform index (position within landscape)

\*\* Terrein Shape Index (site microtopographic shape)

ndcrohab. Interspers.. = overall ranking of plot microtopographic interspersion complexity using scale below

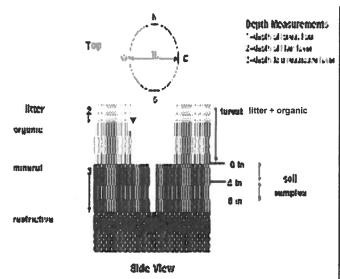
c.w.d. = course woody debris

## **COVER BY STRATA**

STRATUM	GENERAL FORM
Tree (generally >5 m)	Tree (overstory), very tall shrubs*, liana, epiphyte)
Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, epiphyte)
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Floating	Floating
Aquatic (submerged)	Submerged

<sup>\*</sup>Very tall shrubs are sometimes included in the tree stratum

<sup>\*\*\*</sup>Tree seedlings are often defined as up to 1.4 m height or as <2.5 cm DBH in which case they would span the herb and shrub layers.



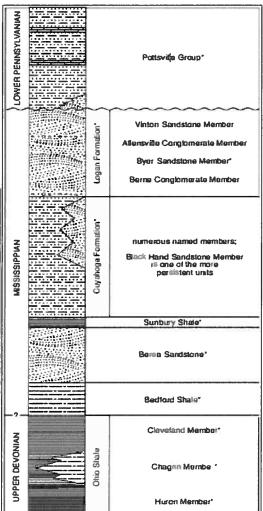


FIGURE 3-20.—Generalized section of Upper Devoman, Ministrippian and Lower Pennsylvanian formations in northeastern Ohio. Assertaks indicate units that are fossiblerous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term Waverty is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European reim "Carboniferous," which encompasses the Mississippian and Pennsylvanian Petrods of the U.S. Many imits have been named within the Cuyahoga Formation, but most units are local, and cannot be traced over great distances. The Black Hand Member is a spectacular massive analstone that is fairly widespread our discontinuous. See Hyde (1935), florver (1960), and Collins 1979 for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

<sup>&</sup>quot;Can also include seedlings of shrubs, i.e. all shrubs <0.5m

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet Project label: PCAP Project Name: (3) HIZO11 Plot No.: 3390

Page: 1 of 1

SOIL PIT DESCRIPTION: Excavate 20 cm plug wih shovel. Describe using Munsell chart visual exam, texture, and odor.

Soil pit module # 🕵 l (one per entire plot)

5 cm matrix color 1042 texture\* oxid roots %mottle nottle color 5/15 < Ø

20 cm matrix color 1042 5/4 hydr. cond.\*\*\* mottle color Nove z O

%mottle

redox features\*\*

<

8

S

texture\* redox features\*\* oxid roots 8 Ø,

refer to texture classes on reverse side

hydro. cond.\*\*\*

S

<u>₹</u>

\* e.g. hydrogen sulfide odor, gleying, etc

Notes: include evidence of earthworms =indundated S=saturated M=moist D=dry

(worms, castings, middens)

Farthweins found in sail p.t.

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

1,2,3,4 campasts A
--------------------

Soil Description/notes:

Web Soil Survey Information:

Soil Series Source: Ohio Soil Survey Soil Series/Type: Mahaning Silt andform type: loam

DRAINAGE\*

Parent Material:

☐ Excessively drained

□ Somewhat excessively

Well drained

Somewhat poorly dr. Moderately well dr.

n Poorly dr.

 Very poorly dr. Impermeable surface

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

ection Module	Horizon (A, B, C)
2,3,8,9 composited	¥
4 composition	A
porintion/potos:	

Module #

Ç

Corner

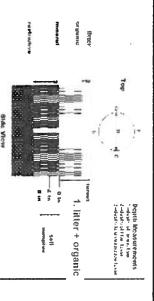
Corner

SOIL DEPTH MEASUREMENT INSTRUCTIONS: Measure to the nearest 0.1 cm in center of intensive modules. If >30.5 cm,

4	3	2	-	mod#			
Ø	Ø	Ď	Ø	(cm)	organic depth	l litter +	
Ø	Ø	Ø	Ø	(cm)	depth		īē.
7/105	>100	75	7100	*[WSS]	depth(cm)	2 litter 3 restrict.	record as >30
6	0	G	٥	(cm)	depth	water	
>50	>30	٥٤<	730	(cm)	sat soil	depth	
	than 80"	depth morn	Restrictive				

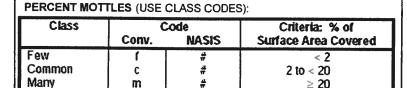
Length of soil probe = 125 cm

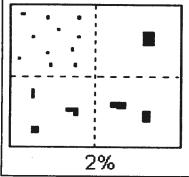
Use Web Soll Survey for #3 Restrictive layer dept.

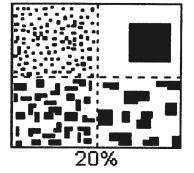


6aCM PCAP Soils\_Crown cover\_Landform\_Standing Biomass\_Data Sheet\_Ver 2xls.xls last revised 6/23/2011 ceh

**₩**53







Terraces

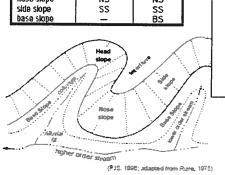
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but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

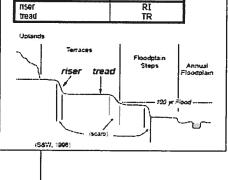
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

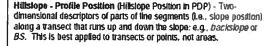
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces. Mountains, and Fiat Plains: e.g., Ifor Hills) nose stope or NS.

Hills Code
PDP NASIS

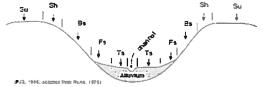
Interfluve IF IF
head slope HS HS
nose slope NS NS
side slope SS SS







Position	Code
Summil	SU
shoulder	SH
backslope	85
footslope	FS
toeslope	TS



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

UPLAND: Not a wetland. Very rarely flooded.

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

**PERMANENTLY/SEMIPERMANENTLY SATURATED**: Dry less than once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier.

OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often characterizes flood-plain upper terraces.

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

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

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

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

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

		1175					٠, ١			-						J							
							FO	RM B-1:	BUFF	ER	SAI	MPL	E P	LO					wed by			_	•
Site I	ID:	PCA	<del>2</del> P	334	70	H:	<u> </u>								DAT	E: 0.6.	130	/	2	0	ι.	1	
Location	on:								Fill	in b	ubb	le(s	) if p	olot(	s) co	uld not be	sample	ed a	nd f	lag -	-		
OAAC	Center	С	N	9	S	01	E O	W	1	lot			Plot			Plot 3						L	
Fili in bubble Strata Sectio	es for all th on: Fill in a	nat ap <sub>l</sub> approp	ply: Ca oriate o	nopy cover	Type:	D = [ bubble	Deciduou e for eac	s; E = Evergre	Buffer en. Leaf T or each plo	ype: E	B = Br	oadlea	f: N =	Need	le Leaf.	Absent: No tree loderate(10-40	e canopy. %); 3 = Hea	avy (40	)-75%)	; 4 = \	/ery H	eavy	(>75%)
Buffer	Canop	у Тур	e: 🕞	) (	A	bsen	t: 📵	Buffer	Canop	у Тур	e: C	) (	) A	bsen	t: Ø	Buffer	Canopy	/ Тур	e: 🕞	(E)	) AI	sen	: 🕲
Plot 1	Lea	f Typ	e: (F	) (			Flag	Plot 2	Lea	f Тур	e: (	) (	5		Flag	Plot 3	Lea	f Тур	e: (E)	) Č	1		Flag
Big Trees (>	0 3m DBH)	1	0	0	0	0		Big Trees (>	0 3m DBH)	1	0	0	0	0		Big Trees	(>0 3m DBH)	(3)	0	0	0	0	
imali Trees (<	(0.3m DBH)	<b>6</b>	0	3	0	0		Small Trees (	<0.3m DBH)	9	0	0	0	0		Small Trees	(<0.3m DBH		0	0	0	0	
Noody Shrubs (0.5m-	s, Saplings -5m HIGH)	0	•	0	0	0		Woody Shrub (0.5m	s, Saplings i-5m HIGH)	•	0	0	0	0			ıbs, Saplings m-5m HIGH)		•	0	0	0	
Noody Shrubs (<0	s, Saplings 5m HIGH)	0	•	0	0	0		Woody Shrub (<0	s, Saplings ).5m HIGH)	0	9	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)		0	0	0	0	
Herbs, F	orbs and Grasses	0	0	<b>②</b>	0	0		Herbs, F	orbs and Grasses	0	0	0	0	<b>(B)</b>		Herbs,	Forbs and Grasses	11 0 1	0	(2)	9	<b>(3)</b>	
Bare	ground	0	<b>③</b>	0	0	0		Bare	ground	0	0	0	0	0		Bar	e ground	0	(4)	①	0	0	
Litt	ter, duff	<b>(D)</b>	0	0	0	0		Lit	ter, duff	9	0	0	0	0		L	itter, duff	1	0	0	(3)	0	
	Rock	(4)	0	3	0	0			Rock	0	0	0	0	0			Rock	(	0	0	0	0	
	Water	<b>@</b>	0	0	0	0			Water	<b>(3)</b>	0	0	0	0			Water	1	0	0	0	0	
	bmerged egetation	0	0	3	0	0			ibmerged egetation	<b>Ø</b>	0	①	0	0			Submerged Vegetation		0	0	0	0	
Stress	or Pres	enc	e/Ab	senc	e -	Confi	rm that			ndica	tes pi	esen	ce an	d an	unfilled	bubble indic		-	by filli	ng thi	s but	ble.	<b>②</b>
Resid	dential	and	Urba	ın Si	tres	sors			Hydrolo	gy S	tres	sors					Agricult	ural a	& Ru	ral S	tres	sors	
ill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubble	if preser	nt - P	lot	1	2	3	Flag
Road - gra	ivel			0	0	0		Ditches, Cl	hanneliza	ation		0	0	0		Pasture/Ha	у			0	0	0	
Road - two	lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range				0	0	0	
Road - fou	r lane			0	0	0		Water Leve	el Contro	Stru	cture	0	0	0		Row Crops	Dank P			0	0	0	
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Explain all flags in comment section on the back of this form Buffer Sample Plots 05/27/2011



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O (O	udzu  ultiflora Rose malayan Blackberry her: her: her: her: her: her: her: her:	Mul Con Him Tan Otho Otho Otho Otho Otho Otho Otho Otho	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	Mnotweed Japanese Knotweed Perennial Pepperweed Cheatgrass Geed Canary Grass Plot (#3) at the far end of each nates at the nearest practicable portdinates will indicate the loca	Buffer e appropries	O O O O O O O O O O O O O O O O O O O	O	O O O O O O O O O O O O O O O O O O O	nating Heart inia stard mock mock mock mock mock mock mote Weed motered on the Buff stard describe where to ad describe where to ad describe where to some some some some some some some some	(ater hysellow Flowards Salvalic Musellow Flowards Salvalic Musello Flowards The are of Jook, and The are of Jook,
O (O	ultiflora Rose malayan Blackberry her: her: her: her: her: sees of the nearest practicable safes of the nearest practicable	Mul Kud Con Him Tan Othro Othr	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	Japanese Knotweed Derennial Pepperweed Clant Reed Cheatgrass Common Reed Camary Grass Plot (#3) at the far end of each priste bubble. Plot (#3) at the nearest practicable priste at the nearest practicable protinates will indicate the local rate and why in the comment s	Buffer e appropries	O O O O O O O O O O O O O O O O O O O	O	O O O O O O O O O O O O O O O O O O O	inia Heart stard minis stard minis stard minis minock mine Weed mine But the plot coordinates at the plot coordinates are the coordinates ar	urasian later hysallow Fldward Salvanic Musan Hebrahor Hebrahor Musan Hebrahor Musan Hebrahor Musan Mu
	• 5						Use Decimal Degrees; NAD83  Use Decimal Degrees; NAD83					

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)

							FOF	RM B-1:	BUFF	ER	SAN	IPLE	E PL	ОТ	S (Fr	ont)	Re	viewed by (	initial):		- (	
Site I	D: 7/	OP	37	41	اسز	τ									DATE	0.6	130	1 2	0	1		
Location		- <i>P</i> Y		, ,0			204	ALE TEXT	Fill	in b	ubb	le(s)	if pl				sampled					
O AA C	Center	C	N	0	S	OE	0	w	OP	lot '	1	OF	lot 2	2	OP	lot 3						
									Buffer	Nati	ıral	Cove	er St	rata	Loof A	beent: No trac	CORON					
Fill in bubbles for all that apply: Canopy Type: D = Deciduous Strata Section: Fill in appropriate cover class bubble for each						s; E = Evergre strata type f	or each plo	ype: 6	Absen	t; 1 = S	parse(	<10%	); 2=Mo	derate(10-40	%); 3 = Heavy	(40-75%)	4 = V	ery He	avy (>	>75%)		
Buffer	Canop	у Тур	e: <b>Ø</b>	) (	At	sent	: 0	Buffer	Canop	у Тур	e: 🕞	) (E	Ab	sent	0	Buffer	Canopy T	ype: 🕞	0	Abs	sent:	0
Plot 1	Lea	f Typ	e: <b>(</b>	) (			Flag	Plot 2	Lea	f Typ	e: (E	) (			Flag	Plot 3	Leaf T	ype: 🕒	<u>()</u>	L,		Flag
Big Trees (>	0.3m DBH	(1)	0	0	0	0		Big Trees (	>0.3m DBH)	0	0	0	0	<b>⊙</b>		Big Trees		<u> </u>	0	<u> </u>	<u> </u>	
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Woody Shrubs (0.5m	s, Saplings -5m HIGH)		0	<b>(</b>	0	0	98	Woody Shrut (0.5r	os, Saplings n-5m HIGH)	0	0	0	0	$\odot$			ubs, Saplings 5m-5m HIGH)	$\mathbb{O}[\mathbb{O}]$	0	<u> </u>	<u> </u>	
Woody Shrubs		0	0	0	3	0		Woody Shrub	os, Saplings 0.5m HIGH)		0	0	0	0			ibs, Saplings <0.5m HIGH)	0 [0	0	0	0	
-	orbs and Grasses	6	0	0	0	1		Herbs,	Forbs and Grasses		0	0	0	0		Herbs	Forbs and Grasses	<b>0</b>	0	0	0	
Bare	ground	10	9	0	0	0		Ban	e ground	0	0	0	0	0		Ва	re ground (	00	0	0	0	1 19
Lit	ter, duff	0	0	0	0	0		L	itter, duff	0	0	0	0	0		l	itter, duff (	00	0	0	0	
	Rock	1	0	0	0	0			Rock	0	0	0	0	0			Rock (	<b>0</b>	0	0	0	
	Water	-	0	0	0	0			Water	+5	Ö	0	ŏ	ŏ			Water (	00	0	0	0	-502
S	ubmerged		0	0	0	0			ubmerged	6	ō	0	<u></u>	ŏ			Submerged Vegetation	<u> </u>	0	<u></u>	Ō	
	egetation		10	_	$\sim$	_	rm that		Vegetation a bubble i	1					unfilled	bubble indi	cates absen	ce by filli		s bub	ble.	9
1000	identia		72.00			100			Hydrolo			reministra		will		the second secon	Agricultur					
Fill bubble		HEES		1	2	3	Flag	Fill bubbl				1	2	3	Flag		e if present	- 1	1	2	3	Flag
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Road - gr Road - tw		La de		0	0	0		Dike/Dam	/Road/Ri		1	0	0	0		Range			0	0	0	
Road - fo				0	0	0		(IMPEDE FLI Water Lev	_	ol Str	ucture	+	0	0		Row Crop	s		0	0	0	
Parking L		ment		0	0	0		Excavatio				0	0	0		Fallow Fie	id (RECENT-RI	ESTING	0	0	0	
Golf Cou				0	0	0		Fill/Spoil I	Banks	UST	Ter.	0	0	0			Id (OLD - GRAS	SS.	0	0	0	
Lawn/Par				0	0	0		Freshly D		Sedir	nent	0	0	0		Nursery		7.75	0	0	0	
Suburbar		ntial		10	0	0		Soil Loss		osur	е	0	0	0		Dairy			0	0	0	
Urban/Mu	ultifamily	19		0	0	0		Wall/Ripr	ар		W TA	0	0	0		Orchard			0	0	0	8
Landfill	To LA			0	0	0		Inlets, Ou	itlets			0	0	0		Confined	Animal Feed	ling	0	0	0	
Dumping			100	0	0	0		Point Sou		WATE	R)	0	0	0		Rural Res	idential		0	0	0	
Trash				0	0	0		Imperviou (SHEETFLO	is surface	inpu	it	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:				0	0	0	8	Other:			0	0	0	
Indu	ıstrial [	Deve	lopm	ent	Stres	ssor	S						Habit	at/V	egeta	tion Stres	sors					
Fill bubbl	le if pres	sent -	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent -	Plot	1	2	3	Flag	FIII bub	ble if prese	nt - Plot	1	2	3	Flag
Oil Drillin	THE RESERVE			0	0	0		Forest Cle	ar Cut	ecrell.		0	0	0		Herbicide	Use		0	0	0	
Gas Well	ls			0	0	0		Forest Sel	ective Cu	rt		0	0	0		Mowing/SI	nrub Cutting		•	0	0	
Mine (su	rface)			0	0	0		Tree Plant	ation	Ph		0	0	0		Trails			0	0	0	
Mine (un	dergrour	nd)		10	0	0		Tree Cand	py Herbi	vory	MIT OF	0	0	0		Soil Comp (ANIMAL OR			0	0	0	
Military		111	1117	0	0	0		Shrub Lay		ed		0	0	0		COLUMN TO STATE OF THE PARTY OF	hicle damag	je	0	0	0	
			-193	0	0	0	-	(WILD OR DO	zed Gras	ses		0	0	0		Shake and the state of the last	n (FROM WINE	), WATER.	0	0	0	
Other: _	yl ex-	35460	-8	0	-	1		Recently I	Sumed Fo	orest		0	0	0		OR OVERUS			0	0	0	
Other: _		V = 3.	1000 Mary 250	1	0	0		Canopy Recently 6		rassla	and	0	1 _	0		Other:			0	0	0	
Other:				0		0	h 11 - 1	(BLACKENET	0)	II.			O flag		laned h	y each field	crew.				-	le:
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	Buffer Sa	ample	Plot	s 0:	5/27/	2011	STEEL STEEL	PATRICIA INC.			100	1000					West of the Second			-	-	

000000	0000	0 0 0	Johnson Grass Kudzu		-	0 0	Purple Loosestrife Knotweed		0	0	0 0	sian Watermilfoil r hyacinth
0000	0		nznny	10	) (							
0 0 0	100		Multiflora Rose				Japanese Knotweed	-	0	0 0	0	w Floating Heart
0			Mutunora Rose Common Buckthorn	-	-	0 0			0	0	0	sinivis
0	0	0	Himalayan Blackberry		-	0 0			0	0	0	: Mustard
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0	0	0	Other:	_	-	0 0			0	0	0	beeW etuniM-/
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iin a	lis əz	ecaus	or the Buffer Plot at the AA CENT  TRANSECT. This is important b  If in the "nearest practicable loca  Indinates of the nearest practicable  and comment below)	NG THE nsect. Fi The coo ffer Plot.	ALOI elow. elow.	ocation on of th ction be ccessibl	priste bubbie. nates at the nearest practicable sten and why in the comment se sible or at the center of the last a	e appro e coordi nd the c s were to as poss	th e states of to	t, taki ordin of Pl	essecent response of the conter enter ente	or are prot coordinates re centered on the Buffi x, and describe where t
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Plot Name: Project Name: Project Label: PCAP GENERAL INFORMATION Date (mm/dd/yyyy): Plot No.: SAMPLING QUALITY\* End date (if > 1 day): vascul. □ Accurate Very thorough Perm. water PLOT NOT SAMPLED: \*\* Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. TAXONOMIC ACCURACY u Hurried Effort Level: TAXONOMIC STANDARD ichen Level 4 (no nested corners sampled) Level 5 (nested corners sampled) high 014,201 □ Paved □ Slope G&C modera. how much effort put subjective evaluation of plots may still provide into sampling. Hurried good data Pub Date Plot leader Role\*\* low Safety a Other not smpl n/a 1998 State: □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Check one: 

Public data 

Private Data Quadrangle: LOCATION GPS location in plot x=0 to 5, y=-1,0,+1): If data not public why? Reason: Data Confidentiality: Local Place Names: □ Other (specify) ■ Lat/Long □ UTM □ StatePiane Source of coordinates Landowner: Datum: # NAD83/WGS84 © NAD27 Coordinate system: Stems present Plot size stems: ☐ Stems not sampled on this plot ☐ Stems absent Plot size for cover data: GPS File Name: Longitude: Photo Nos.: Camera No.: Coord. Accuracy: Intensive modules: 2, 3, 8, 9-Depth: (1-5): atitude: Н0 X-axis Bearing of plot: y = 0 o m o (base of plot x=0, y=0) o MAP County: (ERIT IF MODIFIED Coord. Units ■ deg □ deg min **ա** տ ս ն օ ■ GPS (Fig 0 (hectares) □ Transect component □ Systematic (grid) □ Capture specific feature □ Other

NOTES: Include Layout (any unusual shape details), Location (directions and landscape 2-10 module plot: content), Rationale (why here), and Veg Characterization (description of community. dominants, strata, BROWSE). Additional notes in space on back. Plot placement: RATIONALE GRTS pt. Fell at (2,0) Mont LOCATION - Park at grave pull-off on S side of ledge Rd. a. 200m E of pot. Plat is just E of power live plet Plot is just E of power Red aljacent to hedgerow. \* Representative KIRTS | Random | Stratified Random - /x + #2 wooded Tricket recent photo taken, with direction HA Page 1 of 2 0 permanent posts location of OVER

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

(P) Cleveland Melroparks

Minimum required fields in Bold and Underlined

\*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	y Assessment Progra	ım - Background Datı	Sheet			æ	(4) Cleveland Metropar
Project Label:	: PCAP	Project Name:			Plot No.:		Page 2 o
CLASSIFICATION		STAND SIZE	DISTURBANCES	NCES			
(FIT = excellent, good, fair, poor, CONF = high, med, low)	Fit and Confidence		type* seve	severity**   vrs ago	% of plot	lacarintian	
Hydrogeomorphic class (WETLANDS ONLY):		□ >1,000 x plot size	-+			acsempnon	
□ DEPRESSION	Fit=Conf=	□ > 100 x plot size	Natural	_			
□ IMPOUNDMENT □ Beaver □ Human	Fit=Conf=	□ 10-100 x plot size	Fire				
□ RIVERINE □ Headwater □ Mainstem □ Channel	Fit=Conf=	□ 3-10 x plot size	Cut	-			
□ SLOPE (ground water hydrology or on a physical slope)	Fit=Conf=	□ 1-3 x plot size	Animal				
□ FRINGING □ Reservoir □ Natural Lake	Fit=Conf=	□ < plot size	Other		= 1		
□ COASTAL (specify subclass)	Fit=Conf=		**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	ned low, M=med	MH=med his	th H=high VH=	=verv high
□ BOG (strongly, moderately, weekly ombrotrophic)	Fit= Conf=		Current Land Use:	Jse:		0	
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	NLY):		Former Land Use:	Se:			
□ FOREST □ swamp forest □ bog forest □ forest seep	Fil=Conf=		HYDROLOGIC REGIME*	GIC REGIM	E*		
□ EMERGENT □ marsh □ wet meadow □ open bog	Fit=Conf=	SALINITY*	□ Upland (seldom flooded)	n flooded)		□ Intermittently flooded	ooded
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	Fit= Conf=	□ Saltwater	☐ Intermittently/seasonally saturated	seasonally satura		Semipermanently flooded	ly flooded
MODIFIED NATURESERVE CLASS*		□ Brackish	(seldom flooded)	ed)		Permanently flooded	oded
CODE (on separate form):	Fit=Conf=	□ Fresh	Permanently/Semipermanent. saturated	emipermanent. s		Tidal/Seiche flooded daily	oded daily
		□ Upland (n/a)	(dry <1/yr, seldom flooded)	dom flooded)		Tidal/Seiche flooded monthly	oded monthly
COMMONITY NAME:		(by default unless plot is a □ Occasionally flooded (<1/yr) welland)	Occasionally f	looded (<1/yr)	٥	□ Tidal/Seiche flooded irregular	oded irregular
			□ Temporarily flooded	ooded		(e.g. wind, storms)	(Smr
HOMOGENEITY	Additional notes & diag	Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	of plot to the stand	d. successional s	aftic maturity	Unknown	
□ Homogeneous							
□ Compositional trend across the plot							
□ Conspicuous inclusions							
□ Irregular/pattern mosaic							
		ui <sup>2</sup>					
12							