るななる	<i>buffer</i>
	WIDHY!

PCAP PLOT DATA	A QUALITY CONTROL		
Project Label:	PCAP	Plot No	: 116 Date Sampled: 6-14-20 Lead: Fycer
-			Comment required if item answer is NO
Parking/Access outs	ide of Park Boundaries:	Y (N)	If yes, write information in Comments section below
Field journals compl	eted	Y N	
Site sketch made on	1:3000 map?	(Y) N	Mar 1981
Check cover page	X-axis Bearing of plot recorded	N (S	
	GPS coords. Recorded	YN	
	North direction recored	N (Q)	
	Photographs taken?	Y N	
Plot No., Date agreen	ment on all pages?	O N	
Header data complet	ed all pages?	8 N	
Cover classes record	ed in all Intensive modules	N (Y)	
Browse Level By Sp	ecies_	(Q) N	
Woody stem quality	control check	(Ŷ) N	
nvasive plant quality	y control check	Ø N	
Ash trees mapped		Y N	NA
Cover by Strata? (co	nfirm cover type)	(Ŷ) N	
Soil samples collecte	ed?	Y N	
Vouchers labeled on	datasheet with initials and number	(Y) N	
Vouchers labeled on	collection bag	(Y) N	
Data sheet QA before	e leaving site?	(Y) N	22 W
Data sheets scanned?)	6/23/11	Enter date to left
inal data sheets scar	nned?		Enter date to left
Web Soil survey		Y N	
Voucher Location	Refrigerator	YN	
# vouchers collected)	Press (#)		Enter number to left
E 308-	Drier	Y N	
314	Identified	(Y) N	
0.1	Mounted	Y N	
	Thrown away	Y N	

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

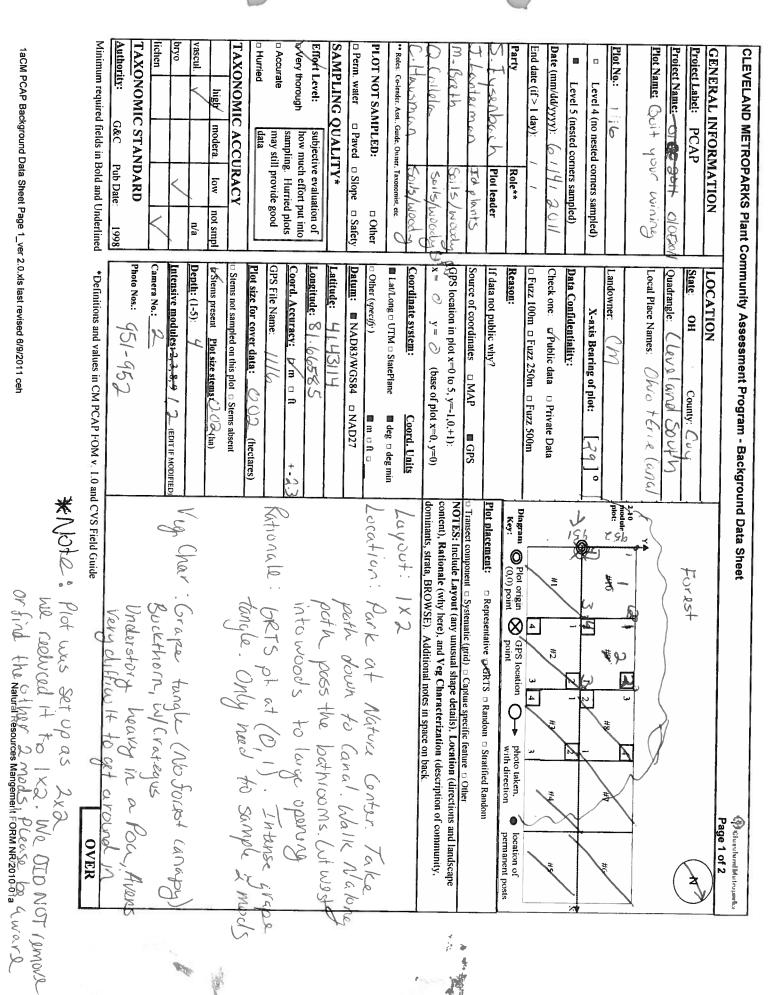
If NO, go to the next question If YES, stop

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

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

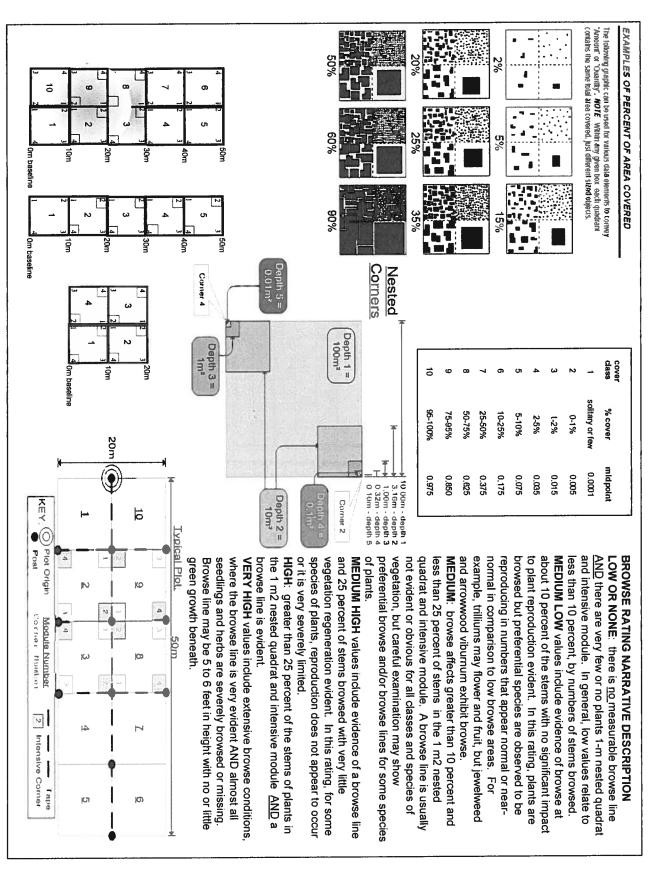
1	Additional Comments:				
ı	South of	plot	wet woods	~	/ hummocks
1	Paller plots me	asured	and entered -	1EWA	(0)17)11





CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	Assessment Progran	า - Background Data է	Sheet					(Polardandikalnamika
Project Label:	PCAP	Project Name: OI OT 201	20 IC	201		Plot No.: 116	11/6	Page 2 of 2
CLASSIFICATION		STAND SIZE	DISTUR	DISTURBANCES				
(FIT = excettent, good, fair, poor, CONF = high, med, low)	Fit and Confidence		type*	severity**	yrs ago	% of plot	yrs ago % of plot description	
Hydrogeomorphic class (WETLANDS ONLY):		□ >1,000 x plot size	Human					
a 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=	e 1-3 x plot size	Animal	٢	0	100	Min. deer	browsk
□ FRINGING □ Reservoir □ Natural Lake	Fit=Conf=	□ < plot size	Other					
□ COASTAL (specify subclass)	Fit=Conf=		**L=low, l	ML=med low,	M=med,	MH=med	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	l=very high
BOG (strongly, moderately, weekly ombrotrophic)	Fit= Conf=		Current Land Use:		Cm Park	7		
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY)	ONLY):		Former Land Use:	1	Unknown	2		
□ FOREST □ swamp forest □ bog forest □ forest seep	Fit=Conf=		HYDROLOGIC		REGIME*	*		
□ EMERGENT □ marsh □ wet meadow □ open bog	Fit=Conf=	SALINITY*	Wipland (Upland (seldom flooded)	d)		ntermittently flooded	flooded
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	Fit= Conf=	□ Saltwater	o Intermit	□ Intermittently/seasonally saturated	lly saturat	ed	□ Semipermanently flooded	ntly flooded
MODIFIED NATURESERVE CLASS*	75	🗆 Brackish	(seldom	(seldom flooded)			□ Permanently flooded	looded
CODE (on separate form): いまこん	Fit= Conf= M		□ Permane	□ Permanently/Semipermanent. saturated	nanent. sa	turated	□ Tidal/Seiche flooded daily	looded daily
COMMUNITY NAME: (Srough temple on Buckthorn + Craetegus	scional lighthorn + Craetegus	Upland (n/a) (dry <1/yr, seldom flooded) (by default unless plot is a Occasionally flooded (<1/yr)	(dry <1/	(dry <1/yr, seldom flooded) Occasionally flooded (<1/yr	oded) (<1/yr)		☐ Tidal/Seiche flooded monthly☐ Tidal/Seiche flooded irregular☐	☐ Tidal/Seiche flooded monthly☐ Tidal/Seiche flooded irregular☐
		wettand)	n Tempor	□ Temporarily flooded			(e.g. wind, storms)	orns)
номосенетту	Additional notes & diag	Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	of plot to th	e stand, succe	ssional st	atus, matur	ity, etc.)	
M-lomogeneous Compositional trend across the plot	harge ope	Large opening in woods, Grape vine has taken over, no trees. Righthorn and Hunthern. Areen seems seasonally saturated	15, C. Ar	ler Ser	Sms)	26020	rally &	turated
□ Conspicuous inclusions □ Irregular/pattern mosaic	No idea who	no idea why this on open area surrounded by foist down -no downed stross or stumps, must have been cleared at	stump	ea sur	of he	ye b	een clear	reel at
	No veg tation	Some point	5					
	Low to no d	Low to no deer browse wichence	dence	19				
	- Oper + rail and mod	and mad						

Project Label:	Project Label: PCAP Project name: (\) (\) F \(\)\)	Project name:		Sneet	Page 1 of 2
Total modules:	۵	Intensive modules:	200	Plot configuration: 1x 2	
Visual est. % open water entire site:	0	Visual est. %unveg.o.w. entire site:	3	Visual est. %invasives entire site:	60% (iia): (a)
(5)		Estimate for each	mad corner mod	corner mod corner mod	corner mod corner mod corner mod corner mod corner
-	Br = Browse Level. Use cover classes to	intensive module:	depth cov depth	cov depth cov	cov depth cov depth cov depth cov
Metoparks	describe amount of browse per species over	%open water	-	0	
	oning prov	%unveg. ground (bare soil)	6 C		
δ	plot	%unveg. litter (bare litter)	-1	0.	
T S H (F)(A) Br	Br Species	c Voucher#	depth cov depth	cov depth	cov depth cov depth cov depth cov
DUCKTOW IN	Francius alnus		7	いるい	
9	Vitiz anamia 2617-11	XSRE 308	7 2 7	£.	
6.	Impations copersis	- 1	136	エアル	
v	2		1 1 1	W (V)	
False 5	But americ carindora		4	-+	1
8	compre	SRE 309	464	h 8 h	
6	Mas Sp		h 9 h	H H	
3	Cicron Literano		422	٦ ا	
6	GRUM Sp. CLANCERSE	laciniatum	333	S h -	
ل	Glycoria Stricta		3		
	Polygonum cuspiclatum		3		
22	Lysimachia nummularis		ف ا		
	amin a hipsuta July 6-1/E	SRE 311			
H	Alliaria petiolata		3 2 4	+ 3	
	Texicoslandron radicans		رو		
(EU/US) 3	Polyogavan (no flower)		と	• ويو ريو	
hydropi per .	Piles pumils		234	100	
6	Rose multiflore Juni		h 9 C	2	
- 20	um.	X SRZ 310	とと	(
1	Viburnom dentatum	15RE 312	(ر ع سا	20 00	
	r	2-09153	رو 		
	Lovi ora morrowii	1186-63215	10		M.
Þ	oca var dioca	EM 8/12/11	2		
	Aurimonia parafflora		-1 //		
7	,		.) ' / !	() と.	



			20			<i>(</i> , <i>)</i> ,		.).				9) -		- U	7	- >		7 1			T S H (F)(A) Br	- 1∴	Swedonen	Cleveland	③		Visual est. % open water entire site	Total modules:	CLEVELAND METE
		Malus op	Carer so	Ageratina altissma	Source Aichiorce	Cornus racemosa	Serdamine penneyvanica	Verbusina alturnitation	Deutollaria lateriflora	Ludwigie Palustrus	∣द्रॅ	لتحقله	SON SON DESCRIPTION	+ COXIAVS SERVICES		CONTRACTOR SPECIAL	chesia ind	Ox all stricte	LONICUTER MERCHI		total later Stories James	11/4/18		entire plot	Br = Browse Level. Use cover classes to describe amount of browse per species over			,	CAP	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet
	-								SRESIH		SRE 313			90		-	- 2	92	l.	,	umphotishum laterithium 2	C Voucher# depth cov depth	%unveg. ground (bare soil) 1	TT	intensive module: depth cov depth %open water 1	Estimate for each / U)	visual est. Mulivey.c.w. entile site:	2	0,05	nent Program Species Cover Da
			1 92	/ D	-/2	- 25	دو _	رو ده		(V)		\$ 3 A	Co		23-12			<u>ا</u> يو	2 2 3			oth cov depth cov depth cov depth			cov depth cov depth	Scorner mod corner, mod	Visual est. %invasives entire site:	Plot configuration: ノスン	Plot no.:	
																						denth		-3 -	depth cov depth cov depth	corner mod corner mod corner mod corner mod corner		Plot area (ha): O. O.	}	Page 2 of 2

50000

Justa

BROWSE RATING NARRATIVE DESCRIPTION

EXAMPLES OF PERCENT OF AREA COVERED

cover

% cover

solitary or few

0.0001 midpoin

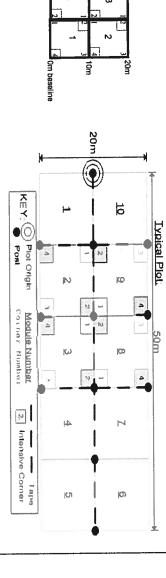
AND there are very few or no plants 1-m nested quadrat LOW OR NONE: there is no measurable browse line example, trilliums may flower and fruit, but jewelweed reproducing in numbers that appear normal or nearto plant reproduction evident. In this rating, plants are about 10 percent of the stems with no significant impact less than 10 percent, by numbers of stems browsed and intensive module. In general, low values relate to and arrowwood viburnum exhibit browse. normal in comparison to low browse areas. For browsed but preferential species are observed to be **MEDIUM LOW** values include evidence of browse at

vegetation, but careful examination may show quadrat and intensive module. A browse line is usually of plants. preferential browse and/or browse lines for some species less than 25 percent of stems in the 1 m2 nested MEDIUM: browse affects greater than 10 percent and not evident or obvious for all classes and species of

species of plants, reproduction does not appear to occur and 25 percent of stems browsed with very little vegetation regeneration evident. In this rating, for some MEDIUM HIGH values include evidence of a browse line or it is very severely limited.

the 1 m2 nested quadrat and intensive module AND a HIGH: greater than 25 percent of the stems of plants in browse line is evident

green growth beneath Browse line may be 5 to 6 feet in height with no or little seedlings and herbs are severely browsed or missing where the browse line is very evident AND almost all VERY HIGH values include extensive browse conditions.



mod # CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet قع Explain subsample (additional room on back): Francis alous Standing Dead Vitis riparia Ross multiflera Standing Desc Frangul. alnus Fransula alous Cre. bascous sp. Viboroum dentition Vitis riparice orne racemosa species Project Label: SRE 308 SE 312 PCAP SE308 voucher# # stems 0.5-1m browsed or super shrub % sub sample clumps دع س 0 Project Name: OIOE 2011 • size class (cm) woody stems >1m 0-<1 0 1-<2.5 2.5-<5 M Plot No. 1116 • . 5-<10 10 - < 15 15 - <20 6 20 - <25 Page: 25 - < 30 30 - <35 잌 © Gleweland Metropartis 35 - <40 6 >40 (record each tree) = かっちも Combined hasom 20 Stamo

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).

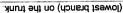
rank as described below)

(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):



၁



- 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' >20% 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.
 - 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.

ASH CANOPY CONDITION











a









LIVE TREE ON GROUND DBH Measurement Rules



Record using the tally system from 1 to

tall that exhibit evidence of this years deer browse. Record the number of stems/plants between 0.5-1.0 meters

Woody Stem Deer Browse

* If Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m2 x 21.5m
Woodpecker and epicormic marked present (1) or absent (0)

							_				25	
											24	
											23	
											22	
module using Tree ID numb	Map all ash trees ≥10cm in each module using Tree ID numb										21	Γ
	i										20	
											19	
											18	
-							<u> </u>				17	
	2						L				16	
											15	
	Ва			11							14	
	selin										13	
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[<u> </u>	_				=	
æ]						<u> </u>	_				10	
					-	-					9	
										7	8	
ımbers when necessary	*** Change intensive module numbers when necessary										7	
								(7	6	
						-		5		2	5	
								11			4	
	Z					<u> </u>		 			ပ	
											2	
											-1	
		Woodpecker holes	#Exit Epicormic holes present		Ht @ Ash *Dead DBH condition condition	@ Ash 3H condition	(cm) H	Voucher#	Dead ဂ	Species	Tree ID.	Module
			Only			_	ı					

(G-cover) Periwinkle Dame's Rocket Hesperis matronalis Common Teasel Dipsacus fullonum Canada thistle Cirsium arvense (wetland) Typha angustifolia, T. x.glauca Cattails (sprub) Multiflora Rose Rosa multiflora (sptnb) Glossy Buckthorn Frangula alnus lapanese Knotweed Polygonum cuspidatum Phragmites (wetland) Phragmites australis Reed Canarygrass Phalaris arundinacea (spunp) **Bnzh Honeysuckles** L. morrowii, L. tatarica (spunds) Common Privet Ligustrum vulgare x: yes Garlic Mustard Alliaria petiolata Presence NE MN MS SE comments Presence Tier 4: Widespread and abundant Doublefile Viburnum (sprub) Miburnum plicatum European Cranberry (shrub) : 7 Viburnum opulus var. opulus Star of Bethlehem Ornithogalum umbellatum (wetland) [Yellow Flag Iris Iris pseudacorus Wineberry Rubus phoenicolasius (G-cover) Lungwort Pulmonaria officinalis (spunp) Mock Orange Philadelphus coronarius Japanese Pachysandra (G-covet) Pachysandra terminalis 3: >20 (shrub) Five-leaf Aralia Eleutherococcus pentaphyllus 7: 11-20 11-ms & 42219 Bd L 1 B Crown Vetch (G-cover) h Coronilla varia J: 1-10 STUPIN (G-cover) Lily of the Valley Convallaria majalis stnal9 to # MN MS 35 NE stnslq to # comments Tier 3: Presence is of Interest Wintercreeper Euonymus fortunei (spunp) \subseteq Amur Honeysuckle Lonicera maackii (apuqs) **Autumn Olive** Etalledmu sungseel3 Cut-leaf Teasel Dipsacus laciniatus European Alder Alnus glutinosa Japanese Barberry (apuqs) Berberis thunbergii (spunp) Common Buckthorn Rhamnus cathartica \subseteq (wetland) Poison Hemlock Conium maculatum ħ Hedgeparsley Torilis sp. Asian Bittersweet (aniv) Celastrus orbiculatus Bishop's Goutweed (G-cover) Aegopodium podagraria Purple Loosestrife (wetland) Lythrum salicaria 000'τ< Japanese Honeysuckle (9niv) Lonicera japonica 2: 100-1,000 ree of Heaven Ailanthus altissima 00T-0S Norway Maple Acer platanoides MN # of Plants MS NE comments # of Plants Tier 2: Assess as Needed (wetland) Flowering Rush Butomus umbellatus Black Swallow-wort Cynanchum louiseae Ranunculus ficaria Lesser Celandine X: yes szengtlitz esenegel Microstegium vimineum Presence MN SE NE MS **GPS** Presence Tier 1: Early detection/ Rapid response 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)
4bCM PCAP Invasive species datasheet.xls last revised 6/10/2011 ceh
Nati

Natural Resoures

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet Project label: PCAP Project Name: Ø10E2Ø11 Plot No.:

116

STANDING BIOMASS (required for emergent wetlands):

(A) Cleveland Metroparks

Page: 1 of 1

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

Soil pit module #_ (one per entire plot)

20 cm 5 cm matrix color matrix color 10 YR %mottle hydr. cond.*** redox features** exture* nottle color xid roots 10YR 4-3 ≺ S らさ **3** Z **2**

hydro. cond. *** redox features** %mottle exture* oxid roots 0 z

nottle color

refer to texture classes on reverse side

Ζ

- ** e.g. hydrogen sulfide odor, gleying, etc.
- *** Circle one: =indundated S=saturated M=moist D=dry

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

No coestingo amidden Worms

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

Soil Collection Module 1.3.38.9 compostted 1.5 Conposted A A
--

Soil D

Soil Series Source: Ohio Soil Survey Soil Series/Type: Changin 5,4 Loam Web Soil Survey Information: Parent Material: Alluvum andform type: Flood plans

DRAINAGE*

☐ Excessively drained

☐ Somewhat excessively

Well drained

Moderately well dr.

 Somewhat poorly dr Very poorly dr.

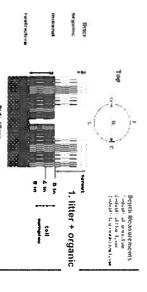
□ Impermeable surface

ollection Module	Horizon (A, B, C)
-2,3,8,9 composited	Α
1 + C composta) A
•	
Description/notes:	

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 Module # ဌ Corner Corner

		ayer dept.	* Use Web Soil Survey for #3 Restrictive layer dept.	ey for #3 R	Soil Surve	* Use Web
10-140				≖ 125 cm	Length of soil probe ≖ 125 cm	Length of
西西						
100						
All	\$ 30	0	200	0	0	2
	230	0	١	0	G	_
	(cm)	(cm)	*[wss]	(cm)	(cm)	mod#
•	sat soil	depth	depth(cm)	depth	organic depth	
\$ 780°.	depth	water	2 litter 3 restrict.	2 litter	l litter +	
resmone	f >30.5 cm,	nearest 0.1 cm in center of intensive modules. If >30.5 cm, record as >30	r of intensive record as >30	n center c	st 0.1 cm I	neares
05ZT	SOIL DEFIN MEASUREMENT INSTRUCTIONS, Measure to the	OCTIONS.	NINUIX		TITI MEX	מטור טוב

SOIL DEPTH MEASUREMENT INSTRUCTIONS: Measure to the



6aCM PCAP Soils_Crown cover_Landform_Standing Biomass_Data Sheet_Ver 2xls.xls last revised 6/9/2011 ceh

\$\$ G

which form a ball but not a ribbon should be coded as loamy. both 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

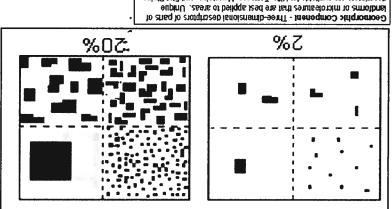
I = Loamy

Z= Clayey

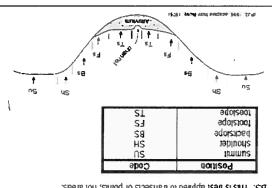
3= Sandy

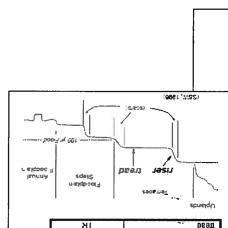
9= Not measured - make plot note 4= Coarse Sand

2 S0 Many 2 to < 50 Common 7 > Few. Surface Area Covered Coun. SISAN Criteria: % of Code Class PERCENT MOTTLES (USE CLASS CODES):



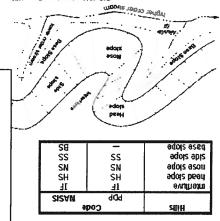
ppinous muuns apon 8.5. This is best applied to transects or points, not areas. along a transect that runs up and down the slope e.g., backslope or dimensional descriptors of parts of line segments (i.e., slope position) -ov/T - (909 ri notiteo Position (Hilistope Position in PDP) - 1/10-





Ы

Code



descriptors are available for Hills. Terraces. Mountains, and Flat Plains;

SN 10 adors asou (SIIH 101) ^6 a

UPLAND: Not a wetland. Very rarely flooded. HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)

Iasii

lemaces.

to 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 arid 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.

.erəfibom

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

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

COVER BY STRATA (% estimate using midpoints, of 5 ex: 3, 8, 13, 18%) CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface (Floating)* rooted and floating or slightly emersed Aquatic)** Project Label: PCAP 020 0 0 Project Name: 0 0E 20/1

Plot No.:

1116

Oherseland Metropartor Page: 1 of 1

EARTH SURFACE & GROUND COVER	ACE & GRO	UND COVER	
Jnderlying Earth Surface*	th Surface"	Ground Cover	
Sum 100%)	percent	(fach \(\) (100%)	percent
listosol	(Coarse Woody Debris***	0
fineral Soil	100	Fine Woody Debris****	ي ح
iravel-Cobble*	\ ;	Litter	C
oulder**	1	Duff (Fenn. + Humus)	0
dedrock	<u>.</u>	Bryophyte-Lichen	/
Gravel-Cobble = 1/16 to 10 in	1/16 to 10 in	Water	0
*Boulder = > 10 in	-	Bare Soil	35
** >5 cm in diameter	ter	Road/Trail	15
*** <5 cm in diameter	meter	Other	

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

STRATA DESCRIPTIONS. STRATA

AN VARY BY COVER TYPE.

SEE BACK OF PAGE FOR "TYPICAL"

submersed, most plant mass below surface

Slope 3 = maximum steepness that can be safely sampled ~45 °	Stope 2 = falls on slope ~20 °	Slope 1 = slight elevational grade across module (htl)
automatically gets ranked based on steepness (1-3)	age the score. NOTE: If mod falls on a stope	Ranks for microhabitat features. Select one or select two and average the score. NOTE: If mod fells on a slope automatically gets ranked based on steepness (1-3)
	sive modules only	MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

- 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

	9			aggregated.	ers but counts are i	NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.	are counted in BOT	ck and hummocks	NOTE: tusso
		2							
				_					
	,								
Ø	2	0	C	20	2	6	0		و
O	2		9	18	_	>	0		,
(rank)	(rank)	(count)	(count)	(count)	(count)	(count)	(count)	corner	mod#
10 x10 m	10x10m	10x10m	10x10m	10 x 10m	10x10m	3.16x3.16m	lxlm		Ī
SLOPE	depth 1	depth i	depth 1	depth !	depth 1	depth 2	depth 3		
	interspers.	>40 cm	(12-40cm)	(2-12 cm)	depressions	hummocks	tussocks		
microhab	microhab	c,w d	c.w.d	c w d	но тасто	no of	no. of		
		c.w.d count for pieces with minimum 1m length	or pieces with n	c.w.d count f				_	

TRAIL INFORMATION: If trail falls in plot record type and cover for Type Bridle Hiking sauctioned All Purpose Bootleg unsanctioned %Cover

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

A	Ð	هد	1	Module	
		4	9	Z	
	, ,	7	H	S	
		33	~	Е	
		4	2	W	

-		-		1
	LFI* TSI**	FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELDJ	ACNAB INDICES (degrees) + for up - for down	

	+315 degrees	+270 degrees	+225 degrees	+180 degrees	+135 degrees	+90 degrees	+45 degrees	At aspect	
	WW	W	SW	S	SE	E	NE	Z	
									LFI*
									TSI**
•		~10 m away.	eve to eve of	from recorders	For TSI	by local slopes.	horizon TSI is	LFI is angle of	

Landform Index (position within landscape)

** Terrain Shape Index (site microtopographic shape)

huse freque to- les - somer of Ty ys. in small

; w.d. = course woody debris

nacro depressions = macrolopographic depressions with module. These may extend into other modules and be counted again,

crohab. Interspera.. = overall ranking of plot microtopographic interspersion complexity using scale below

Chagand Member*	Ohio Shake		PER DEVONIAN
"elari2 brothe8			- 5
Beren Sardstone			
Sundury Shale			
:219dmem beman 2001emn 19dmeM entabora2 brigh 258 6100 of the moral 21stu instance	Cuyahoga Formation*		MISSISSIPPIAN
Byur Sardzione Member	Logan F		
:edmaM endsbras notisV	Logan Formation*	- 4	
Pottsvilje Group.			LOWER PENNSYLVANIAN

Administration of contractions of Upper Derronan Aliasastippinar. Assertible Assertion of Upper Derronan Aliasastippinar. Assertible Assertion of the Assertible Asse

UPI

Huron Member*

COVER BY STRATA

,	Very tall shrubs are sometimes includor **Can also include seedlings of shrub
Submerged	Aquatic (submerged)
Floating	Floating
Herb, dwarf-shrub**, tree (seedling***)	Herb (Field)
Tree (sapling), shrub, liana, epiphyte)	Shrub (generally 0.5 to 5 m)
epiphyte)	
Tree (overstory), very tall shrubs*, liana,	Tree (generally >5 m)
GENERAL FORM	MUTARTS

ni HBG mo 2.5> as to height m 4.1 of qu as uefined are ceedlings are often defined as up 1.4.

lut saim ochavic. furest litter + organic BCDCA. MAY AVERTERAL RECURSONS, MARLING ISSUES doj activate project. Delich Measurements which case they would span the herb and shrub layers.

Site	ID: PC	74 P	11	16			. 0.	RM B-1:	Dorr		OAII					: 06,		Reviewed by				
Locati							W. S. V.O.		Fill	in b	ubb	le(s)	if p	lot(:		uld not be					一	- 1
@ AA		C	N	0	S	OE	E O	w	H. Parameter	lot '		9504)	Plot	HELLO		Plot 3						
				A. B. Connection					Buffer	Natı	ural	Cov	er S	trata	a		A STATE OF THE PARTY.	Seta by a ser				
III In bubble trata Secti	es for all th on: Fill In a	at app approp	oly: Ca oriate c	nopy 7	Type:	D = D oubble	e for eac	s; E = Evergre h strata type f	en. Leaf T or each plo	ype: E t. 0 =) = Bro Absen	adleai	i; N = I Spars∈	Needle (<10%	e Leaf. A %); 2=M	Absent: No tree oderate(10-40%	; canopy. %); 3 = Hea	vy (40-75%); 4 = \	/ery H	leavy ((>75%)
Buffer	Canopy	/ Typ	e: 🕝) () AI	bsen	ıt: 🚳	Buffer	Canopy	у Тур	De: (0) () AI	bsent	t: ()	Buffer	Canopy	Type: ((() At	bsent	t: ()
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Big Trees (>	•0 3m DBH)	0	0	0	0	0		Big Trees (>	>0 3m DBH)	0	0	0	0	0		Blg Trees	(>0.3m DBH)	00	0	0	0	
nall Trees (<0 3m DBH)	1	0	0	0	0		Small Trees (<0.3m DBH	0	0	0	0	0		Small Trees	(<0 3m DBH)	00	0	0	0	
	-5m HIGH)	0	0	0	0	0		Woody Shrub (0.5m	os, Saplings n-5m HIGH)	0	0	0	0	0			ıbs, Saplings im-5m HIGH)	00	0	0	0	
	5m HIGH)	0	0	0	0	0		Woody Shrub (<0	os, Saplings 0 5m HIGH)	0	0	0	0	0		Woody Shru		00	0	0	0	
Herbs, F	orbs and Grasses	0	0	0	0	0		Herbs, I	Forbs and Grasses	0	0	0	0	0			Forbs and Grasses	00	0	0	0	
Bare	ground	0	©	0	0	0		Bare	e ground	0	0	0	0	0		Bar	e ground	00	0	0	0	
Lit	ter, duff	0	0	0	0	0		Li	tter, duff	0	0	0	0	0		L	itter, duff	00	0	0	0	
76079255-3	Rock	(9)	0	0	0	0			Rock	0	0	0	0	0			Rock	00	0	0	0	
********	Water	(0	0	0	0	,	17 (38),110	Water	0	0	0	0	0			Water	00	0	0	0	
	ubmerged /egetation	0	0	0	0	0			ubmerged /egetation	0	0	0	0	0			Submerged Vegetation	00	0	0	0	
			e/Ab	senc	:e - (Confi	irm that	A							unfilled	l bubble Indic						•
Resi	dential	and	Urba	an St	tres:	sors			Hydrolo	gy S	tres	sors					Agricultu	ıral & R	urai S	itres	sors	3
III bubble	o If prese	nt - I	Plot	1	2	3	Flag	Fill bubble	a If prese	ent - [Plot	1	2	3	Flag	Fill bubble	if presen	it - Plot	1	2	3	Flag
Road - gra	avel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ıy		0	0	0	
Road - two	o lane	4 2	l ne	0	0	0		Dike/Dam/		l Bed		0	0	0		Range			0	0	0	
Road - fou	ır lane		-10	0	0	0		Water Lev		l Stru	cture	0	0	0		Row Crops			0	0	0	
Parking Lo	ot/Pavem	ent		0	0	0		Excavation	ı, Dredgir	ng	PIE	0	0	0		Fallow Field		RESTING	0	0	0	
Golf Cour	se			0	0	0		Fill/Spoil B				0	0	0		Fallow Fleto SHRUBS, TRE	d (OLD - GRA	ASS,	0	0	0	
awn/Park				0	0	0		Freshly De	ED)			0	0	0		Nursery	k Called		0	0	0	
Suburban	Residen	tlal		0	0	0		Soll Loss/F	Root Expo	osure		0	0	0		Dalry			0	0	0	
Jrban/Mu	Itifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard			0	0	0	
andfill				0	0	0		Inlets, Out				0	0	0		Confined A		ding	0	0	0	
Dumping	The liberal			0	0	0	\vdash	(EFFLUENT C	OR STORMA	VATER	9	0	0	0		Rural Resid	tential		0	0	0	Paragraphy and the
rash			1 - 1	0	0	0		(SHEETFLOW)	Input		0	0	0		Gravel Pit			0	0	0	
Other:				0	0	0	$\vdash \vdash \vdash$	Other:	10-2			0	0	0		Irrigation			0	0	0	
Other:	CLAVIA CE		4517041	0	0	10		Other:				0	0		(Carley)	Other:			0	0	0	
Indu	strial Do	evelo	opme	ent S	tres	sors	3					gal	łabit	at/V	egeta	tion Stress	ors					
III bubble	If prese	nt - I	Plot	1	2	3	Flag	Fill bubble	If preser	nt - F	lot	1	2	3	Flag	FIII bubb	le If prese	nt - Plot	1	2	3	Flag
Dil Drilling	Щ	_ 11		0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se		0	0	0	
Gas Wells	i			0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	ub Cutting		0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta				0	0	0		Trails			0	0	0	
Mine (und	erground)		0	0	0		Tree Canop (INSECT)				0	0	0		Soil Compa (ANIMAL OR HI			0	0	0	
Allitary			Tall!	0	0	0		Shrub Layer (WILD OR DOM	r Browser	b		0	0	0		Offroad veh		ge	0	0	0	
Other:				0	0	0		Highly Graz	ed Grass	es		0	0	0		Soil erosion OR OVERUSE)		D, WATER,	0	0	0	
Other:				0	0	0		Recently Bu		est		0	0	0		Other:			0	0	0	
A1				0	0	0		Recently Bu (BLACKENED)	irned Gra	ısslar	nd	0	0	0		Other:			0	0	0	
Other:				· •			· .															

FO City ID:	<u> </u>	47	HIAME.	ARCHITE IN				•						
Site ID:	KC,	47	11	16		DAT	E: () (1.412011			111111	
O Confirm	a fille	d da	ta bi	ubble l	ndicates presence and an unf	illed I	bubbl	e Inc	licates	absence by filling in this bubi	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 Watermllfoil	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	
Glant 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	
Polson Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mlle-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	
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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 T the c	filling ed, tai ranse coordi er of F	ke thects a	ne appr ne coord and the s were l as pos	opriate bubble. dinates at the nearest practicable coordinates will indicate the locate the locate the and why in the comment as the center of the last	e loca ation	ation A of the	ALON tran	IG THE sect. Fi	II in the "nearest practicable loc rdinates of the nearest practicat	becau	ise al bubb	l Buf le, fi	er I in the be
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05/27/2011

Buffer Sample Points - Targeted Alien Species

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Site I	D: <u>F</u>	CA	p	1110	0				_						DATI	<u>6.6</u>	1 1 2	<u>/</u>	<u></u>	<u> </u>	ι.	<u>. </u>	
Location	on:					NAU?	Pere 15		35 marcas			le(s) if p	lot(s) coi	uld not be	sample	ed a	nd f	lag -	-		
OAAC	Center	С	N	0	S	01	6	W	OP	_		100	Plot		1000	Plot 3				Kul	E E		
								s; E = Evergre		ype: E	3 = Br	oadlea	f, N =	Needl	e Leaf.	Absent: No tree oderate(10-40		avy (40	-75%)	; 4 = \	/ery H	eavy	(>75%)
Buffer	Canop	у Тур	e: () (A	bsen	t: O	Buffer	Canopy	у Тур	e: () A	bsen	t: O	Buffer	Canopy	/ Тур	e: (0	At	sent	: O
Plot 1	Lea	f Typ	e: (Flag	Plot 2	Lea	f Typ	e: 🧣) (Flag	Plot 3	Lea	f Туре	»: ()	0			Flag
Big Trees (>	0,3m DBH)	0	0	0	0	•		Big Trees (>	-0.3m DBH)	0	O	0	0	(1)		Big Trees	(>0,3m DBH	0	0	0	0	•	ii Kexi
Small Trees (<	0.3m DBH)	0	0	•	0	0		Small Trees (<0.3m DBH)	0	(3)	0	0	0		Small Trees	(<0.3m DBH	0		0	0	0	0.000
Woody Shrubs (0.5m-	, Saplings 5m HIGH)		•	0	0	0		Woody Shrub (0.5m	s, Saplings -5m HIGH)	0	0	0	0	0			ibs, Saplings im-5m HIGH)		9	0	0	0	
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	orbs and Grasses		0	0	0	0		Herbs, I	orbs and Grasses	0	0	0	0	0		Herbs	Forbs and Grasses		0	(1)	(3)	0	
Bare	ground	0	0	•	0	0		Bare	ground	0	0	0	0	0		Bar	e ground	0	0	0	0	0	
Lit	ter, duff	0	1	0	0	0		Lif	tter, duff	0	(4)	0	0	0		L	itter, duff	0	0	(3)	0	0	
	Rock	0	0	1	0	0		***	Rock		0	0	0	0			Rock	0	0	0	0	0	
	Water	0	0	0	0	Ō			Water	0	0	0	0	Ō			Water	0	Ō	0	0	0	
	bmerged		0	0	0	0			ubmerged egetation	(1)	Ō	0	Ŏ	$\overline{\odot}$			Submerged	0	Õ	0	Ō	Ŏ	
	egetation or Pres			send			rm that			ndica					unfilled	l bubble indic		ence t		_			•
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Fill bubble				1	2	3	Flag	Fill bubble			100	1	2	3	Flag				- 1	1	2	3	Flag
Road - gra	teril aller	ugal.		0	0	0		Ditches, C	Salara Iday	EUX.	OH,	0	0	0		Pasture/Ha	ıv			0	0	0	
Road - two			1265	0	0	0		Dike/Dam/	Road/RR	- 11		0	0	0		Range				0	0	0	_
Road - fou	ır lane		EIA.	0	0	0		(IMPEDE FLO		l Stru	cture	1	0	0		Row Crops				0	0	0	
Parking Lo	ot/Pavem	nent	dow	0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Field	d (RECENT-	RESTI	VG	0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field	d (OLD - GR	ASS,		0	0	0	
Lawn/Park			44	0	0	0		Freshly De		Sedim	nent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial		0	0	0		Soll Loss/F	The state of the s	sure	期前	0	0	0		Dairy				0	0	0	
Urban/Mul	tifamily	KIN.		0	0	0		Wall/Ripra	р			0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outl	1000			0	0	0		Confined A	nimal Fee	eding		0	0	0	
Dumping		Styl.		0	0	0		Point Sour (EFFLUENT C	R STORMV			0	0	0		Rural Resid	dential			0	0	0	
Trash			Allenia Inti-	0	0	0		Impervious (SHEETFLOW		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:				0	0	0		Other:			_	0	0	0	
Indu	strial D	evel	opm	ent S	Stres	sor	5						Habit	tat/V	egeta	tion Stress	ors						
Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	Plot	1	2	3	Flag	Fill bubb	le if pres	ent - l	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se			0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	ub Cuttin	g		0	0	0	
Mine (surfa	ace)		i E	0	0	0		Tree Planta	tion			0	0	0		Trails	120 lb.			0	0	0	1
Mine (unde	erground	1)	765	0	0	0		Tree Canop	y Herbivo	ory		0	0	0		Soil Compa				0	0	0	
Military				0	0	0		Shrub Layer (WILD OR DOM		1		0	0	0		Offroad veh	THE REAL PROPERTY.	ge		0	0	0	
Other:		565		0	0	0		Highly Graz	ed Grass	es		0	0	0		Soil erosion	(FROM WIN		TER.	0	0	0	
Other:		- 100		0	0	0		(OVERALL <3" Recently Bu		est		0	0	0		OR OVERUSE) Other:			-	0	0	0	
Other:	na walan	(III)	**************************************	0	0	0		Canopy Recently Bu	med Gra	sslar	nd	0	0	0		Other:	~		=	5	0	0	
200	a codes.	K = N	lo me			_		(BLACKENED)	rement	F1 F2	etc		Table 1			y each field cr	ew.		_1		_		
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● Confirm	a fille	∍d da	ita bi	Tpple it	ndicates presence and an u	rfilled	bubb	le ind	dicates	absence by filling in this bub	ble	T -		
Fill bubble if present - Plo	1	2	3	Flag	Fill bubble if present - Plo	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	8	Multiflora Rose	0	0	(3)	
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	0 20 0.00	Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoll	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	
									AND THE STATE OF T	Other:	0	0	0	
					PLOT COOL	DINA	TES					rosi		
O AA CENTER O	13 (O S	3	O E3	W3 O Nearest p	actica	ble lo	catio	n (flag	and comment below)				
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Latitude				. 4		Lor	gitud	de V	A F 19 16 F		4.	R]		
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Location		_				0.5		w	1 39000000			137199	SHEET OF		0.407/05/405	ild not be Plot 3	sample	a and	nag -			
OAAC	19709	U	N		S	OE	. 0	A A SHARE THE PARTY OF	Buffer	Plot '	10000000	Hall Street	Plot er Si	100	and the	101 3	Market A.			HEAT.		
Fill in bubble Strata Section	es for all thon: Fill in a	at app	oly: Ca priate d	nopy cover o	Type: class b	D = D	eciduou for eaci	s: E = Everare	en. Leaf T	vpe: E	3 = Bro	oadlea	I: N = 1	Veedle	e Leaf. A	Absent: No tree oderate(10-40	e canopy. %); 3 = Heav	/y (40-75%	o); 4 = V	ery H	eavy (>	75%)
Buffer	Canop		_=		4—	sen	: O	Buffer	Canop	у Тур	е: @	=	+	sent		Buffer		Туре: 🌘	-	Ab	sent:	0
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Big Trees (>	0 3m DBH)	\leq	0	0	0	@		Big Trees (>		-	0	(9)	의	<u>⊙</u>	((>0.3m DBH)		0	9	의	
mall Trees (<		-	0	0	0	0		Small Trees (+-	0	0	0	<u>O</u>		Small Trees			0	0	0	
	-5m HIGH)	0	0	0	0	0			-5m HIGH)	1	0	0	0	0	105752	(0.5	ubs, Saplings im-5m HIGH)		0	0	0	
	.5m HIGH)	鳳	•	0	0	0			5m HIGH)		0	0	0	<u>O</u>		(•	ibs, Saplings <0.5m HIGH)	\odot	0	0	0	
Herbs, F	orbs and Grasses	0	0	(1)	0	0		Herbs,	Forbs and Grasses		0	0	0			Herbs	Forbs and Grasses	\odot	0	0	9	
Bare	ground	0	0	(D)	0	0		Bare	ground	0	0	0	0	0		Bar	re ground		0	0	0	
Lit	ter, duff	0	6	0	0	0		Li	tter, duff	0	0	0	0	0		L	itter, duff		0	0	0	
	Rock	0	0	0	0	0			Rock	1	0	0	0	0			Rock	Ø 0	0	0	0	
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	dential	A CONTRACT	TO STATE					The State of the S	Hydroid			AD III					Agricultu	CCC DOUGL	DEC TO	115.10	14000	
FIII bubble		11/2/0		1	2	3	Flag	Fill bubbl	CONTRACTOR OF THE PARTY OF THE			1	2	3	Flag				1	2	3	Flag
Road - gra				0	0	0		Ditches, C		DEPT OF		0	0	0		Pasture/Ha			0	0	0	
Road - tw				0	0	0		Dlke/Dam	Road/RF			0	0	0		Range	зу		0	0	0	
Road - for			-	0	0	0		(IMPEDE FLO		ol Stra	icture	-	0	0		Row Crops			0	0	0	
Parking L		nent	-	0	0	0		Excavation				0	0	0		Fallow Fiel	ld (RECENT-I	RESTING	0	0	0	-
Golf Cour			_	0	0	0		Fill/Spoil E	•			0	0	0		Fallow Flei	d (OLD - GR	ASS,	0	0	0	
Lawn/Parl			7 177 8	0	0	0		Freshly De	posited	Sedin	nent	0	0	0		SHRUBS, TRI Nursery	EES)		0	0	0	
Suburban		ntial		0	0	0		Soil Loss/	and the same of th	osure		0	0	0		Dairy		Na house	0	0	0	
Urban/Mu				0	0	0		Wall/Ripra	p			o	0	0		Orchard			0	0	0	912-71-91 9
Landfill				0	0	0		Inlets, Out	lets			0	0	0		Confined A	Animal Fee	ding	0	0	0	-
Dumping				0	0	0		Point Sour				0	0	0		Rural Resi	dential		0	0	0	
Trash				0	0	0		Impervious (SHEETFLOV	surface	inpu	ľ	0	0	0		Gravel Pit	N. Service	M. Ay	0	0	0	
Other:		27.0		0	0	0		Other:				0	0	0		Irrigation			0	0	0	
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Indu	strial D	evel	mao	1	•		8					(A34594)	CHARGE	COLUMN	egeta	tion Stres				HE	ins.	
FIII bubble		1000	A Comment	T	2	3	Flag	Fill bubble	If prese	nt -	Plot	1	2	3	Flag		ole if prese	ent - Plot	1	2	3	Flag
Oil Drilling		Ont -	1100	0	0	0	i lug				100	0	0	0	1 lug	CALTURATED		JIIL - 1 101	0	0	0	, lug
Gas Wells				1		1		Forest Clea								Herbicide U					11100	
				0	0	0		Forest Sele				0	0	0		Mowing/Sh	rub Cutting		0	0	0	
Mine (surf	· ·	. 1		0	0	0	,	Tree Planta Tree Canor	and the second second	/OTV		0	0	0		Trails Soil Compa	action		0	0	0	1_
Mine (und	lerground	d)		10	0	0		(INSECT)				0	0	0		(ANIMAL OR H			0	0	0	
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Other: _				0	0	0		Highly Gra:	HIGH)			0	0	0		Soil erosion OR OVERUSE	the first of the second of the	IU, WATER	0	0	0	
Other: _				0	0	0		Recently B Canopy				0	0	0		Other:			0	0	0	
Other:			ηW	0	0	0		Recently B		assla	nd	0	0	0		Other:			0	0	0	
■ FI	lag codes	: K =	No me	easure	ment			uspect meas	urement.,						Igned b	y each field c	rew.	241	2816	3304		
В	uffer Sa	mple	Plots	05	/27/			lags in comm	nent secti	on on	the b	ack of	this fo	om								

Confirm a filled data bubble Indicates presence and an unfilled Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 Eurasian Watermilfoil O O Purple Loosestrife Consider the Water hyacinth O O O Knotweed Consider the Water hyacinth O O O Department of the Buffer Plot (#3) at the far end of each Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable for Plots are centered on the Buffer Transects and the coordinates will indicate the location of coordinates (choose one): O AA CENTER O N3 S S O E3 O W3 O Nearest practical indicates in the plot coordinates (choose one): O D Purple Loosestrife Consider Plot (#3) at the far end of each Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable for Plots are centered on the Buffer Transects and the coordinates will indicate the location of coordinates (choose one): O AA CENTER O N3 S S O E3 O W3 O Nearest practical considered the coordinates of the content of the last accessed to the center of Plot 3 as possible or at the center of the last accessed the coordinates (choose one):	ed bo	ubble 2 O O O O O O O O TES	3 OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Flag and fo	Fill bubble if present - Plot Johnson Grass Kudzu Multiflora Rose Common Buckthorn Himalayan Blackberry Tamarisk Other: Other: Other: Other: TRANSECT. This is important ill in the "nearest practicable locardinates of the nearest practicable locardinates of the nearest practical	1 O O O O O O O O O O O O O O O O O O O	ise al	i Buff	er Lin the
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Road - gravel	C	1_	0		Ditches, Channelization	0	0	0		Pasture/Hay				0		0	_
Road - two lane	C	1	0		Dike/Dam/Road/RR Bed	0	0	0		Range				0	ö	0	
Road - four lane	C	+	0		(IMPEDE FLOW) Water Level Control Structure	0	0	0		Row Crops				0		0	- 2
arking Lot/Pavement	C	-	0		Excavation, Dredging	0	0	0		Fallow Field	(RECENT-I	RESTING	G	0	_	o	_
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awn/Park	C	-	0		Freshly Deposited Sediment	0	0	0		Nursery		an fi		0	-	o	-
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Dumping	C	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER) Impervious surface input	0	0	0		Rural Reside	intial			0	0	0	
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Other:	C		0	I	(BLACKENED)	0	0	()	- 1	Other:			110	()	0	0	

Flag codes: K = No measurement made, U = Suspect measurement., F1,F2, etc. = misc. flags assigned by each field crew.

Explain all flags in comment section on the back of this form

Buffer Sample Plots 05/27/2011

2428168304

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Eurasian Watermllfoil	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	
Glant Salvinla	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Glant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Polson Hemiock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mlle-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoli	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
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05/27/2011

Buffer Sample Points - Targeted Alien Species

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imall Trees (<	0.3m DBH)	0	0	0	0	0		Small Trees (<0.3m [10	0	0	0		Small Trees	(<0.3m DBH)	0	0	0	0	0	
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	ground	0	0	0	(3)	0		Bare grou	-	0	0	0	0		Bar	e ground	0	0	0	0	0	
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		-	e/Ab	send	e - (Confi	m that	a filled data bubb		ates p	resen	ce an	nd an	unfilled	bubble indic	cates abse	ence t	by filli	ng thi	s but	ble.	•
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Road - gra	vel			0	0	0		Ditches, Channe	lization		0	0	0		Pasture/Ha	ıy			0	0	0	
Road - two	lane			0	0	0		Dike/Dam/Road/ (IMPEDE FLOW)	RR Be	d	0	0	0		Range		h.		0	0	0	
Road - fou	r lane			0	0	0		Water Level Cor	trol Str	uctur	₽ O	0	0		Row Crops	377 5 5 5	8/11		0	0	0	
Parking Lo	t/Paven	nent		0	0	0		Excavation, Dred	lging		0	0	0		Fallow Fiel	D)		NG	0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil Banks	40-4		0	0	0		Fallow Field		ASS,		0	0	0	
Lawn/Park	0-161			0	0	0		Freshly Deposite		0.3-112	10	0	0		Nursery				0	0	0	
Suburban		tial		0	0	0		Soll Loss/Root E	xposun	е	0	0	0		Dairy				0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Riprap			0	0	0		Orchard		41		0	0	0	
Landfill				0	0	0		Inlets, Outlets Point Source/Pig	e		0	0	0		Confined A Rural Resid		eaing	-	0	0	0	
Dumping				0	0	0		(EFFLUENT OR STO	RMWATE		10	0	0	<u> </u>	Gravel Pit	Jennai			0	0	0	-
Trash		1390		0	0	0		(SHEETFLOW)	Series (1)		10	0	0	-	Irrigation			-	0	0 0	0	
Other:		-		0	0	0		Other:			0	0	0		Other:				0	0	0	
Other:	strial D	ovol	0.000	22.49	O	0		Oalei.				The same	23.76	oneta	tion Stress	ore			<u></u>	٥		excent y
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Oil Drilling		311L - 1	riot	0	0	0	riay	Forest Clear Cut	BOIL -	1100	0	0	0	· iag	Herbicide U	PALES IN			0	0	0	9
Gas Wells	OF THE OWNER			0	0	0		Forest Selective (`ut		0	0	0		Mowing/Shi		0		0	0	0	2
Mine (surfa				0	0	0		Tree Plantation	,ut		0	0	0		Trails	ob Odtan	9		0	0	0	-
Mine (unde		n.				0	-	Tree Canopy Her	oivory		0	0	0		Soil Compa				0	0	0	-
	g. oui lo	E April		0	0	7.11		(INSECT) Shrub Layer Brow	sed		0	0	0		(ANIMAL OR H		ne		0	0	0	
Military		101.5		0	0	0		(WILD OR DOMESTIC) Highly Grazed Gr	Station		1	+	+		Soil erosion	(FROM WIN		TER.	0	-	0	
Other:	LO LO II	7, 10-	_	0	0	0		(OVERALL <3" HIGH) Recently Burned			0	0	0		OR OVERUSE		11-11		-	0		
Other:			_	0	0	0		Canopy Recently Burned		nd	0	0	0		Other:			-	0	0	0	
Other:				0	0	0		(BLACKENED)			0	0	0		Other:				0	0	0	
Mark I	i g codes : uffer Sar					Exp		uspect measurement lags in comment se						igned b	y each field c	ew.	760 m	2428	3168	304		

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Site ID:	PC	AP	16	14		DAT	E: (<u> つ</u> (<u>_</u>	14/2011				
© Confirm	a fille	ed da	ita bi	ubble i	ndicates presence and an uni	illed	bubb	le ind	dicates	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	0117-2-1-1	Tamarisk	0	0	0	
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	-
						in.	Perm			Other:	0	0	0	
	RIES.	1232			PLOT COORI	DINA	TES	u k				MARK.		
	3	o s	3	E3	O W3 Nearest pra	Lor	gitud	de V		and comment below)	6		3	
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Flag Comments							Ma							
1 Plo+ #2										- 100000000 Page 11				
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4 Plot #3 F	alle	50	M	000	iste side of	COL	14(7/07	- appears to hav	•	+131		
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05/27/2011

Buffer Sample Points - Targeted Alien Species

bryo Minimum required fields in Bold and Underlined TAXONOMIC STANDARD vascul. SAMPLING QUALITY* TAXONOMIC ACCURACY Very thorough Effort Level: Party □ Hurried PLOT NOT SAMPLED: Project Name: GENERAL INFORMATION CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet Authority: ichen ** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. End date (if > 1 day): Plot No.: Plot Name: Project Label: Date (mm/dd/yyyy): Level 5 (nested corners sampled) Level 4 (no nested corners sampled) high □ Paved □ Slope PCAP G&C modera. may still provide good sampling. Hurried plots subjective evaluation of how much effort put into Pub Date: Plot leader Role** low □ Safety □ Other not smp n/a 1998 Photo Nos.: GPS File Name: State Camera No.: Stems present Plot size stems: Plot size for cover data: GPS location in plot x=0 to 5, y=1,0,+1): Reason: Check one: Public data Private Data Intensive modules: 2, 3, 8, 9 Depth: (1-5): Coord. Accuracy: Datum: ■ Lat/Long □ UTM □ StatePlane Coordinate system: × Source of coordinates If data not public why? Data Confidentiality: Quadrangle: CLEVELAND SOUTH ongitude: □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Local Place Names *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide LOCATION Stems not sampled on this plot - Stems absent Other (specify) andowner: atitude: w 0 \mathbf{C} y = \mathbf{C} (base of plot x=0, y=0) ■ NAD83/WGS84 □ NAD27 X-axis Bearing of plot: HO M 81. 66584 250 ハインチへ HOA e√m oft 43114 □ MAP County: ■ deg 🗆 deg min I m oft o Coord. Units ■ GPS EDIT IF MODIFIED (ha) 027 29]0 (hectares) content), Rationale (why here), and Veg Characterization (description of community, NOTES: Include Layout (any unusual shape details), Location (directions and landscape module plot: & HOMOGENOUS GROWTH. dominants, strata, BROWSE). Additional notes in space on back Plot placement: Diagram Key IN A CRAPE TANGLE / WINGSTEM AREA. 2 x 2 LAYOUF DUE NO CANOPY SEASONALLY WET AREA AT WORK SILM". PRESTAY EXIT WEST TOWARD PLOT BEFORE TAKE LOWER Transect component

Systematic (grid)

Capture specific feature

Other Plot Setup fall 2010 Plut origin # ☐ Representative ☐ GRTS ☐ Random ☐ Stratified Random 3 4 ⊗ GP5 location 4º 8 15 アスチノレ PLUT IS LULATED 70 with direction ALONG ひたといる 1 しかなり Cleveland Mee Page 1 of 2 "NATURE NEGE THION permanent posts to doubtesor OVER Z

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	y Assessment Prograr	n - Background Data	Sheet				© Cleveland Metroperks	Aetroparks
Project Label:	PCAP	Project Name:			_	Plot No.:	Pa	Page 2 of 2
CLASSIFICATION		STAND SIZE	DISTUR	DISTURBANCES				
(FIT = excellent, good, fair. poor; CONF = high, med, low)	Fit and Confidence	a >1,000 x plot size	type*	severity**	yrs ago %	% of plot	description	
Hvdrogeomorphic class (WETLANDS ONLY):		a > 100 x plot size	Human					
a DEPRESSION	Fit=Conf=	□ 10-100 x plot size	Natural					
o IMPOUNDMENT o Beaver o Human	Fit Conf	a 3-10 x plot size	Fire					
o RIVERINE o Headwater o Mainstem o Channel	Fir Conf	□ 1-3 x plot size	Cut					
E SLOPE (ground water hydrology or on a physical slope)	Fit=Conf=	□ < plot size	Animal					
□ FRINGING □ Reservoir □ Natural Lake	Fit=Conf=	DRAINAGE*	Other					
n COASTAL (specify subclass)	Fir Confr	□ Excessively drained	**L=low, N	fL=med low	M=med. N	/H=med h	**L=low, ML=med low. M=med. MH=med high. H=high. VH=very high	
D BOG (strongly, moderately, weekly ombrotrophic)	Fit=Conf=	□ Somewhat excessively	Current Land Use:	ind Use:				
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	ONLY):	□ Well drained	Former Land Use:	nd Use:				ا
□ FOREST □ swamp forest □ bog forest □ forest seep	Fit=Conf=	□ Moderately well dr.	HYDRO	HYDROLOGIC REGIME*	EGIME,			1
□ EMERGENT □ marsh □ wet meadow □ open bog	FirConf=	□ Somewhat poorly dr.	□ Upland (s	□ Upland (seldom flooded)	ਓ	_	□ Intermittently flooded	
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	Fir≕ Conf≕	a Very poorly dr.	o Intermitte	□ Intermittently/seasonally saturated	ly saturated		□ Semipermanently flooded	
MODIFIED NATURESERVE CLASS*		п Impermeable surface	(seldom flooded)	looded)		_	□ Permanently flooded	
CODE (on separate form):	Fir Conf	SALINITY*	□ Permanen	☐ Permanently/Semipermanent. saturated	ianent. satı		☐ Tidal/Seiche flooded daily	
COMMUNITY NAME:		□ Saltwater	(dry <1/y	(dry <1/yr, seldom flooded)	oded)	_	☐ Tidal/Seiche flooded monthly	γĮτ
		D Brackish	□ Occasion	□ Occasionally flooded (<1/yr)	<1/yr)	_	□ Tidal/Seiche flooded irregular	ılar
LANDFORM TYPE*:		o Fresh	□ Temporarily flooded	ily flooded			(e.g. wind, storms)	
		Upland (n/a)					a Unknown	
HOMOGENEITY	Additional notes & diagr	Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	of plot to the	stand, succes	sional stat	us, maturi	ry, etc.)	
п Homogeneous								
□ Compositional trend across the plot								
a Conspicuous inclusions								
u Irregular/pattem mosaic								