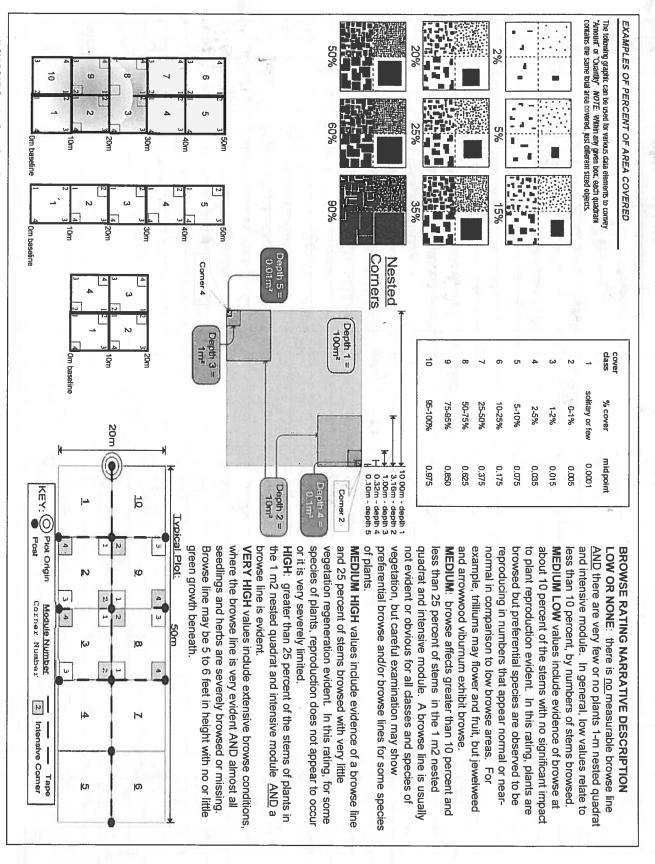
Parking/Access outsi				
Parking/Access outsi				. Comment required if item answer is NO
. dimpriocess odes	de of Park Boundaries	(Y)	N	If yes, write details in Comments section below
Field journals comple		Y	N N	in yes, write details in Comments section below
Site sketch made on		100	N	
Check cover page	X-axis Bearing of plot recorded		N	
Check cover page	GPS coords. Recorded	1		
	· ·	18	N	
	North direction recorded	+3	N	
DI-ANI DA	Photographs taken?		N	
Plot No., Date agreen		13	N	
Header data complete			N	
	ed in all Intensive modules	(CA)	N	
Browse Level By Spe		12	N	
Woody stem quality		(CY)	N	
invasive plant quality	control check		N	1
Ash trees mapped		Y	N	N/A
Cover by Strata? (cor	firm cover type)	Y	N (
Soil samples collected	d with matching plot #	V	N	
ouchers labeled on	datasheet with initials and number	(B)	N	
ouchers labeled on	collection bag	Y	N ·	- Not yet-Wet
ink flags removed		(3)	N	
Data sheet QA before	leaving site?	3	N	
Common equipment i	returned to tub.	(Y)	N	ž, s
Data sheets scanned?				Enter date to left SC 9/5/12
inal data sheets scan	ned?			Enter date to left
Suffer Widths measu	red?	TY	N	Sc 9-5-10
Veb Soil Survey		(4)	N	9 4-5-12
oucher Location	Refrigerator	Y	N	
# vouchers collected)	Press (#)	1		Enter number to left
26	Drier	Y	N	
628-630	Identified	Y	N	
620	Mounted	Y	N	
	Thrown away	Y	N	
	Tillowii away		14	<u> </u>
		Age -		
	tion: Is plot sampleable?	A A		
(b/Yes	Original GRTS point is sampleable	-		
□ No	Original GRTS point lands in a non-s		area (f	ill in category below)
	D Point falls in a water (i.e river, i			
	☐ Managed mowed area (i.e golf of Paved area (i.e parkinglor, road)	course, picnic	area, righ	il-of-way)
	Unsafe to sample (i.e. steep slope			
	D Other			
dditional Comment	s:			т.

a

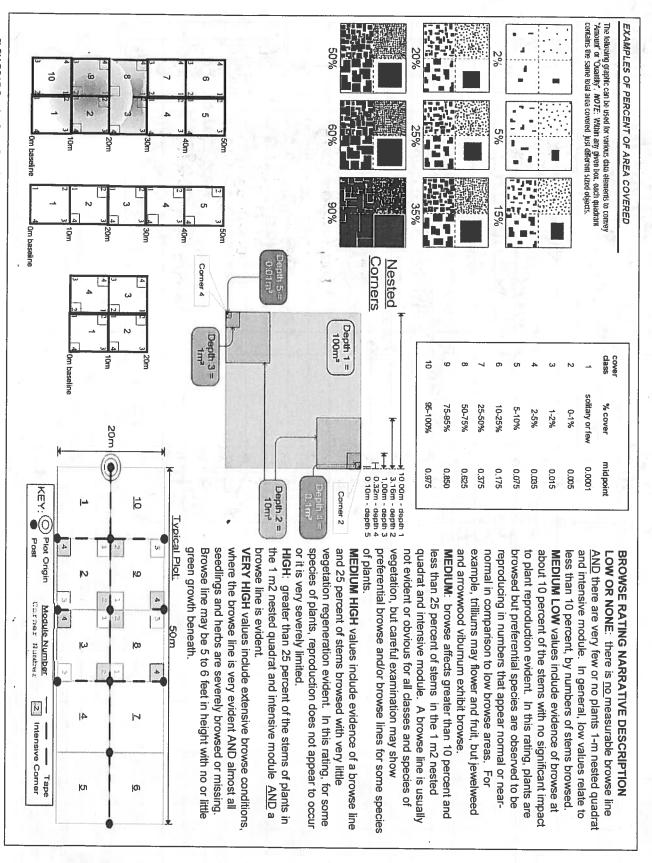
	initial in Bold and Inderlined
	uthority: G&C Pub Date: 1998
(2)	AXONOMIC STANDARD
	chen
٠	уо
Depth: (1-5): 4	n/a
Bestems present Plot size stems (1) (ha)	high modera low not smpl
□ Stems not sampled on this plot □ Stems absent	AXONOMIC ACCURACY
Plot size for cover data: 7. (hectares)	Hurned data
GPS File Name:	î0
Coord. Accuracy: Vm off +-	Wery morough sampling. Hurried plots
Longitude: 81 40710	200
Latitude: 41, 41992	AMPLING QUALITY*
Datum: ■ NAD83/WGS84 □ NAD27	Perm. water DPaved DSlope DSafety
□ Other (specify)	3
■ Lat/Long □ UTM □ StatePlane ■ deg □ deg min	Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.
Coordinate system: Coord, Units	HINSMON
x = 0 $y = 0$ (base of plot $x=0$, $y=0$)	#\ \JU\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
GPS location in plot $x=0$ to 5, $y=1,0,+1$):	16
Source of coordinates MAP GPS	o Corton
If data not public why?	2 By Sanbac Piot leader
Reason:	Party Role**
□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	End date (if > 1 day): / /
Check one: & Public data Private Data	Date (mm/dd/yyyy): 8/3+/2017
Data Confidentiality:	Level 5 (nested corners sampled)
axis Bearing of plot:	□ Level 4 (no nested corners sampled)
Landowner: ()	Plot No.: 1268
Local Place Names: Winguing River	FIRE NAME: (Nyghot by neighborly)
Quadrangle: Chappin Falls	Project Name: USC2012
State: OH County: () N ()	Project Label: PCAP
LOCATION	GENERAL INFORMATION
CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	CLEVELAND METROPARKS Plant C
	LOCATION State: OH County: A A Chage Landowner: A County: A A Chage Landowner: A County: A County: A Chage Landowner: A Confidentiality: Check one: by Fublic data private Data prizz 100m prizz 250m private Data private Da

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	Program - Background Data	Sheet				Claveland Metroparks
Project Label: PCAP	Project Name	Project Name: DIDCOOT	び	Plot No.:	12	Page 2 of 2
CLASSIFICATION	STAND SIZE	DISTURBANCES	NCES			250000000000000000000000000000000000000
(FIT = excellent, good, fair, poor, CONF = high, med, low) Fit and Confidence	ce = >1,000 x plot size	type* seve	severity** yrs ago		% of plot description	
Hydrogeomorphic class (WETLANDS ONLY):	□ > 100 x plot size		 			
DEPRESSION Fit Conf-	n 10-100 x plot size	Natural				
□ IMPOUNDMENT □ Beaver □ Human Fit= Conf=_	= 3-10 x plot size	Fire				
□ RIVERINE □ Headwater □ Mainstem □ Channel Fit= Conf=_	□ 1 8 x plot size	Cut	:			
□ SLOPE (ground water hydrology or on a physical slope) Fit=Conf=_	o < plot size	Animal M	0	100	Brows	Day
□ FRINGING □ Reservoir □ Natural Lake Fit= Conf=_	DRAINAGE*	Other				
□ COASTAL (specify subclass) Fit= Conf=_	Excessively drained	**L=low, ML=med		ned, MH=me	low, M=med, MH=med high, H=high, VH=very high	=very high
□ BOG (strongly, moderately, weekly ombrotrophic) Fit= Conf=	□ Somewhat excessively	Current Land Use:	Use: Parl			
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	□ Well drained	Former Land Use:	Use: Unk	<i>\\</i> `		
□ FOREST □ swamp forest □ bog forest □ forest seep Fit=Conf=_	□ Moderately well dr.	HYDROLOGIC REGIME*	GIC REGI	ME*		
□ EMERGENT □ marsh □ wet meadow □ open bog Fit— Conf*_	□ Somewhat poorly dr.	□ Upland (seldom flooded)	m flooded)		□ Intermittently flooded	ooded
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen Fir Conf=	a Very poorly dr.	□ Intermittently/seasonally saturated	/seasonally sai	urated	□ Semipermanently flooded	ly flooded
MODIFIED NATURESERVE CLASS*	n Impermeable surface	(seldom flooded)	ded)		□ Permanently flooded	oded
CODE (on separate form): LO3 Fit=_Conf=_	SALINITY*	□ Permanently/Semipermanent. saturated	Semipermaner	t. saturated	D Tidal/Seiche flooded daily	oded daily
COMMUNITY NAME: SYCOMOV& Wood (MB)	SaltwaterBrackish	(dry <1/yr, se	(dry <1/yr, seldom flooded) Occasionally flooded (<1/yr)		☐ Tidal/Seiche flooded monthly ☐ Tidal/Seiche flooded irregular	oded monthly oded irregular
LANDFORM TYPE*:	o Fresh	Temporarily flooded	looded		(e.g. wind, storms)	ms)
HOMOGENEITY Additional notes	Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	of plot to the stan	ıd, succession	d status, matu	rity, etc.)	
Homogeneous	My TATABOS SUNT	roadna	1	Malino	7	Horasol NO
□ Compositional trend across the plot				1		0
a Conspicuous inclusions Browse	Browse was suident on the Kose and travious	the K	Use on	d tra	5000	
□ Irregular/pattern mosaic						1

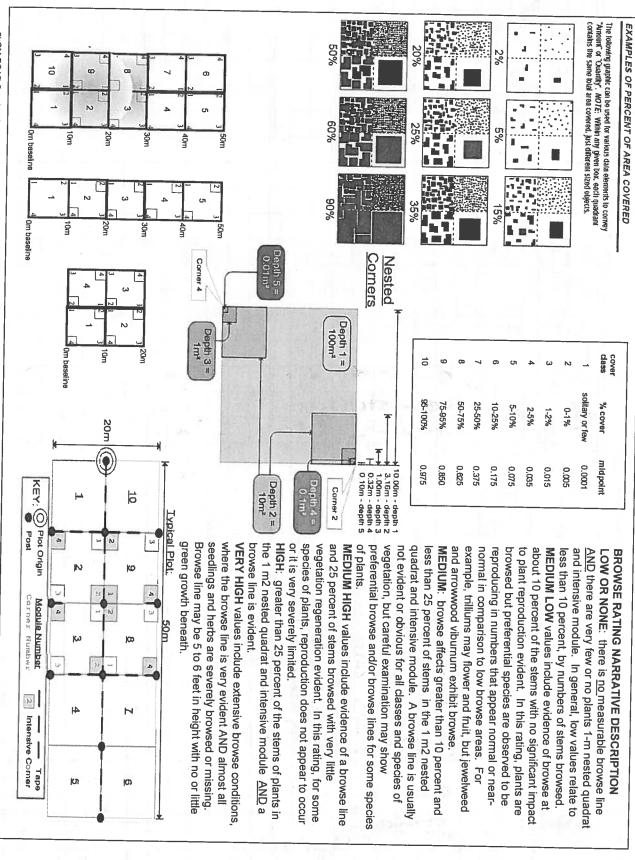
Droject Label	CLEVELAND ME I ROPARKS Plant Community Assessment Program Species Cover Data Sheet	nent Program Specie	S Cover Data Sheet	Page of C
Total modules:		Intensive modules:	Plot configurat	Plot area (ha): 🚫 . 💪 🕽
Visual est. % open water entire site		Visual est. %unveg.o.w. entire site:	l iii	
9		Estimate for each	mod corner	corner mod corner mod corner mod corner
Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	<u></u>	cov depth cov depth cov depth	cov depth cov depth cov depth cov
wearonarks.	entire plot	%unvegetated open water	2 2	
Strata - Cov. entire plot	plot	%unveg. litter (bare litter)		
T S H (F)(A) Br	Species Species	_	depth cov depth cov depth cov depth c	cov depth cov depth cov depth cov depth cov
	1. Rosa multiflar		7 4 2	
نيو	Solonum dulcoma a		4	
ريو	ichosa (con	•	<u>ت</u> ۲	
(J)	Solidoso cassia		43	
arec sadad 2	Coursia virginica		4 7 8 7	
SI NO	(murcury) Acal drawn	mondorder "	+ +	
0	Wimes rubres 7		2	
-5	Platanus occidentalis			
20	19 Astor lateriflores		ب و	7 11
)5	Amphacarps bractity		<i>x x</i>	
دو			الم الم الم	
E)			32	
	Rumex crispus			
	Eupatorum patalatum		W W W W W W W W W W	
2	200	SREGAR	3 2	
	6		3	
, N	Ciona arundinaces			
5	-			
	Polygonum perisicara		<u> </u>	- 07 000
69 -	ACEL negurato		363	
2	Verbising a termitalia		S 4	
	Tracuria sp.		3	
b	Spice Calbant		<u> </u>	
	S CIVIS C	Follow .	<u>ာ</u> ြ	
lavere 31	hws 5:3		2	



mesi UNI 2 1 1 1	2	\ \ \ \		Į.		2)	The same		2	S				v	()	2	ا	1 2		<u>a</u>	ر ا	60		ر د	1 S H (Strata - Cov. entire plot	The same and the s	Cleveland	-	<u> </u>	•	Visual est. %	Total modules:	Project Label:
A solution	PEMASO 1		Vorben a urtice tole a	Rosa so.	-poler a nelix	Imposin sp!	Carlophyllum thalid	Saportos campolensis	July cus block	Hydrophyllum canc	Frexious Sp (seedling	Nitro Sp.	1 Topostions copern	Soum Canadyse	Alliaria petiology	Dxalis stricts	Calina Sp. J	0	US HUST	Calystagia sepium		m Mus		Action sp.	(F)(A) Br Species	entire plot	GIRIG DICK	describe amount	Br = Browse Level. Use cover classes to			Visual est. % open water entire site: Visual	ules:	Project Label: PCAP Project name: PCAP Project name:
im conodos		XSEL	ن ن ک			X 36 629	Chrojas			cancelerse													20		c Voucher# d	%unveg. litter (bare litter)	%Hoved around (here soil)			Estimate for each		Visual est. %unveg.o.w. entire site:	Intensive modules:	Project name:
2	1 2	/ 21		と		مود	んプ	0人	2 (202	2 -	7	774	2	2		2	250	2	いない	シ	2) C Q	2 -	92	th cov depth cov depth cov				depth cov depth cov depth cov		mod comer mod comer mod comer.	Visual est. %inva	Plot configuration:	
																									depth cov depth cov depth	-			depth cov depth cov depth		mod comer mod comer mod c	Visual est. %invasives entire site:		Plot no.: 1268
														-		7									cov depth cov depth cov depth			÷ = 1	cov depth cov depth cov	70	corner mod corner mod corner mod corner		Plot area (ha):	rage or



CLEVELAND MET	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a	ent Program Specie	c Cover Data S	noot 2a		Page	2 000
Project Label:	PCAP	Project name:		Plot no.:	1268	ú	1
Total modules:		Intensive modules:	Plot co	Plot configuration:		Plot area (ha):	
©	Br = Browse Level. Use cover classes to	Estimate for each intensive module:	mod comer mod comer 4 2 dapth cov depth cov	depth cov depth	cov depth cov depth	corner mod	corner mod corner mod corner R R cov depth cov depth cov
Metroparks	entire plot	%unvegetated open water %unveg. ground (bare soil)	-			11	
T S H (F)(A) Br	r Species	c Voucher#	depth cov depth cov	depth cav depth	cov depth cov I depth	h cov depth cov	depth cov depth cov
ຍ	1) Asserbs aigbra		2				
	Liquis 4 run Vulgave		1 2 .				
2	Antony Antonys and	Macris	7				
	aredens	C	د ـ				
9)			-				
3 10	Rubus alleghingis		101				
<u>ව</u>	Lantour morrown		2				
Q.2	Acur souchown		2				
	Crytolamania canadanst	4					
\square 1	House		\(\sigma\)				
W	rainia,		13				
	25/8 8-24-12						
			-				



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Explain subsample (additional room on back): Champraig supplied matterness Project Label:__ ne filia PCAP voucher# . 40 # stems 2 browsed 0.5-1m or super % sub Project Name: 015C2012 4 ·Q· II . clumps shrub 90 size class (cm) woody stems >1m 09 O-<1 >. . 1-<2.5 . 6 2.5-<5 Plot No.: 1268 5-<10 10 - <15 15 - <20 ø 20 - <25 Page: 25 - <30 30 - <35 으 9 Cleveland Metroparks 35 - <40 10 4.10 >40 (record each tree) H. S. O ⇉ 80,00

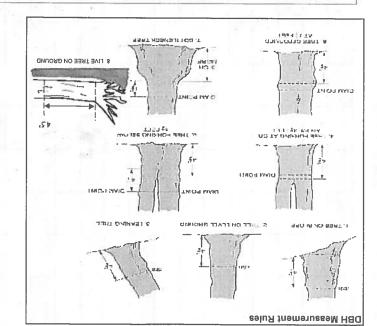
MD-

Woody Stem Deer Browse

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

Record using the tally system from 1 to



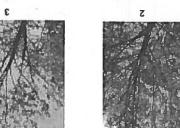






a









ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- 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
- 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.

(lowest branch) on the trunk.



ASH CANOPY BREAKUP CONDITION (for dead trees):

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

rank as described below)

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

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

Project Label: PCAP Project Name: 0/6/20/2

Plot No.: 1268

TRAIL INFORMATION: If trail fails in plot record type and cover for

Type

%Cover

Hiking sanctioned Bridle

Bootleg unsunctioned

(a) Obsessed and Metroparts Page: 1 of 1

COVER BY STRATA (7% estimate using midpoints, of 6 sc. 1, 6, 13, 18%)

Height Range.

Total Cove STRATA DESCRIPTIONS, STRATA SEE BACK OF PAGE FOR "TYPICAL" poled and floating or slightly emersed quatic)** submersed, most plant mass below surface

EARTH SURFACE & GROUND COVER	ACE & GRO	UND COVER	
Underlying Earth Surface"	h Surface"	Ground Cover	
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	0	Coarse Woody Debra***	50
Mineral Soil	38	Fine Woody Debris****	S
Gravel-Cobble*	N	Litter	0
Boulder**	0	Duff (Ferm. + Humus)	0
Bedrock	0	Bryophyte-Lichen	0
. Gravel-Cobble = 1/16 to 10 in	1/16 to 10 in	Water	0
-Boulder = > 10 in		Bare Soil	0
>5 om in dameter	ter	Road/Trail	0
····· <5 cm in diameter	meter	Other	2

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

CAN VARY BY COVER TYPE.

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only mits for microhabital features. Select one or select two and everage the score. NOTE: If mod fails on a slope automatically gets ranked besed on steepness (1-3) Slope 3 = maximum steepness that can be safely sampled -45 *

Stope 2 = falls on stope -20 *

feature is absent or functionally absent (Golf Course Flat)

ope 1 = slight elevational grade across module (NII)

- testure is present in vary small amounts or it more common, of low quality
- feature is present in moderate amounts, but not of highest quality, or in small am onts of highest quality
- 10 feature is present in moderate or greater amounts and of highest quality

		C.W.d count for pieces with minimus C.W.d count for pieces with minimus C.W.d c.W.d.
depth 1 depth 1	idepth.1	idepth 1 depth 1 [Inc.10m 10x.10m (count)
C.ev.d. (7-12 cm) depth.1 [1bx10m [rosmit]		c.v.d (12-40em) depth 1 lbc10m (count)
	(12-40cm) depth 1 10x10m (count)	cavd cavd (12-40cm) >40 cm depth 1 illepth 1 i
zavad microkab zavad microkab >40 cm interspera. depth 1 depth 1 10c.10m 10c.10m (round) (rank)	microhab interspers depth 1 10x10m (rank)	

CROWN COVER (DENSIOMETER) Make 4 readings per module facing N. S. E. W. Place dot count in corresonding space. (4 dots per gnd square) 6

ŧ

8		
NDICE		
degrees	23	-
) + for up		
- for down		
7		
_		

+315 degrees NW	+270 degrees W	+225 degrees SW	+180 degrees S	+135 degrees SE	+90 degrees E	+45 degrees NE	At aspect) N	LFI: TSI:
	-In m away:	person standing	from recorders	measure angle	by local slopes	angles formed	plot to the	•

4	
s up to 1.4 m height or as <2.5 cm DBH in and shrub layers.	which case they would span the herb
s, i.e. all shrubs <0.5m	 Very tell shrubs are sometimes included. Can also include seedlings of shrub
Submerged Submerged	

epiphyle)

Herb, dwarf-shrub", tree (seedling***)

Tree (sapling), shrub, ilana, epiphyte)

Tree (overstory), very tall shrubs*, liana,

GENERAL FORM

Floating

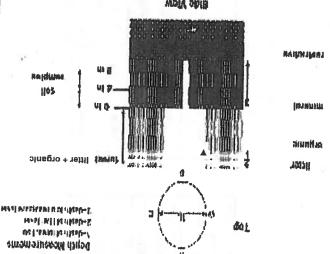
(Fleid) theH

Shrub (generally 0.5 to 5 m)

MUTARTS

Tree (generally >5 m)

COVER BY STRATA



MOIA OPIB

FIGURE 5.20.—Constraints descring of Upper Deconies, Aintenspipura, Annes Premit de Serint de Se

g.

Cuyakuga Formation

Lugun Formation

HBddn

DEVONIAN

MISSISSIPPIAN

LOWER PENNSYLVANIAN

Huron Member*

Chagain Member

Claveland Member

Badlord Shale"

Gerea Sandstone.

हताकृत्य द्वावाद.

neumahima birah kond enun eri ib emaal elen invialane catadenam baman augments:

Berne Cargbinatele Maniber

Byst Sardstone Member Allensville Congbinerate Merribor redusM enolabrae notaly

Politavila Group.

Natural Resources Management FORM NR/2010-05b

ShCM PCAP Plant Cover_Earth Surface Data sheet Back Page_ver 1.5.xts

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet Project label: PCAP Project Name: 01501268 2012

Plot No.: 1268

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

(P) Cleveland Metroparts

Page: 1 of 1

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

Soil plt module # 5 cm 20 cm matrix color matrix color %mottle hydr cond. *** exture* edox features** xid roots nottle color hydro. cond.*** exture* edox features** omottle xid roots ottle color (one per entire plot) ß S Z D X

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

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

 Somewhat excessively D Excessively drained

Well drained

□ Moderately well dr.

□ Somewhat poorly dr.

(worms, castings, middens)

hours

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

	2,3,8,9 composited	Soil Collection Module
	Α	Horizon (A, B, C)

Module #

S

Corner

Corner

C?=check when collected

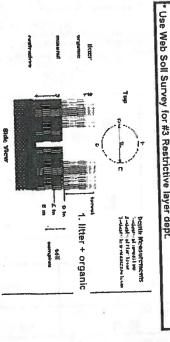
Soil Description/notes:

Soil Series/Type: Parent Material: Alluvium Soil Series Source: Ohio Soil Survey Wab Soil Survey Information: andform type: Much plains ioga Loam

DRAINAGE

	, T	

					_
M	0	>80°°	1.2	(:2:	
(cm)	(cm)	SS-Web.	(cin)	(cm)	mod#
sat soil	depth	depth(cm)	depth	organic	
depth	water	3 restrict.	2 litter	1 litter +	,
		record as >30	rec		
f >30.5	nearest 0.1 cm in center of intensive modules. If >30.5 cm,	fintensive	center o	t 0.1 cm i	neares



□ Impermeable surface Very poorly dr. 🗆 Poorly dr.

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

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. It 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

both a ball and a ribbon should be coded as clayey; samples

1= Loamy 0= Organic which form a ball but not a ribbon should be coded as loamy.

3= Sandy 2= Clayey

4= Coarse Sand

6= Not measured - make plot note

adolstool

Shoulder

IRUIUNS

neckarobe

Position

e.g., (for Hils) nose slope or NS. Geomorphic Component - Tivee-dimensional descriptors of parts of landforms or microfestures that are beel applied to skees. Unique descriptore see evaliable for Hills, Tettaces, Mountains, and Flat Pielits; or n.c. fire Hills nose state en Arg %乙 02 Z ш Many

SISAN

Code

Э

COUN'

PERCENT MOTTLES (USE CLASS CODES):

Common

Class

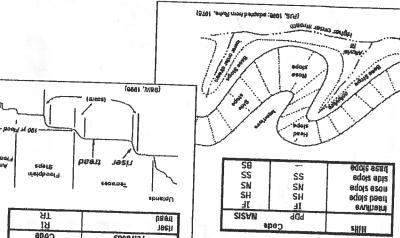
LGM

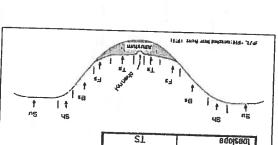
19661 'MPS AI riser 2006TI9

S 10 < 20

Surface Area Covered

Criteria: % of





ЕZ

SB

HS

ns

Code

along a transect linal runs up and down the slope: e.g., backslope or BS. This is best applied to transects or points, not areas.

- Profile Position (Hillstope Position in POP) - 1wo

dimensional descriptors of parts of line segments fl.a., slope position)

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

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

saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier. 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 characterizes flood-plain upper terraces.

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

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

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

PERMANEUTLY 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.

4aCM PCAP Ash_Tree Data Sheet Page 1_ver 2.xls last revised 6/9/2011 ceh

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet 20 ᇔ 16 io g 7 19 14 77 10 o. ๘ = 9 w なが Project Label: PCAP Voucher # Project Name: 01502612 (cm) Ht @ Ash *Dead DBH condition condition ASH Only
Exit Epicormic
hotes present INTENSIVE MODULES ONLY TREES ≥ 10CM ONLY
Plot No.: \(\(\lambda \) \(\beta Woodpecker holes Baseline *** Change intensive module numbers when necessary 2 9 Page: 1 of 2 **a** ω

Map all ash trees ≥10cm in each module using Tree ID number

23 23

24

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

							Periwinkle		łesperis matronalis Vinca minor
							Common Teasel		munollui susesqi
	400						Canada thistle		irsium arvense
-							Cattails (wetland)	eon	sig.x .T ,silolitzugns edqy
			5			(aprda)	Multiflora Rose		osa multiflora
-	· · · · · · · · · · · · · · · · · · ·		1			(spunp)	Glossy Buckthorn		rangula alnus
y 3			40			(41.040)	Japanese Knotweed		olygonum cuspidatum
	· · · · · · · · · · · · · · · · · · ·		<u>C</u>	\vdash	-		Phragmites		hragmites australis
				\vdash			Reed Canarygrass		halaris arundinacea
						(spunp)	Bush Honeysuckles		. morrowii, L. tatarica
7			7	\vdash		(sprub)	Common Privet		gustrum vulgare
X: yes			H	\vdash		(44-7	Garlic Mustard		liaria petiolata
Presence		MM	_	21	ME	PART AND DESCRIPTION	bactatik ailee		Histis patiolats
	sinaulijos	WHA.	adua		-,41		រូបខ្មែកមានមុខ pu	e ne⊃iMeanie	N 15 Janu
200		¥1 9	Ball to A	aragina	11425	(shrub)	Doublefile Viburnum	The state of the s	
									riburnum plicatum
						(spunp)	European Cranberry		fiburnum opulus var. opu
_							Star of Bethlehem		nutelledmu mulegodtim
-							Yellow Flag Iris	(hasltaw)	ris pseudacorus
							Wineberry	(100000)	npns byoenicolasius
000/T< ;c						(an iiis)		(G-cover)	ulmonaria officinalis
000'T< :S						(spunp)	Mock Orange	(100000)	hiladelphus coronarius
00'T-TOT:0				\longrightarrow			Spanese Pachysandra		achysandra terminalis
3: 21-100	,					(spunp)	Five-leaf Aralia		leutherococcus pentaphy
7: 11-50							Crown Vetch		Sinav allinoto.
0T-T :T		200			100000		Lily of the Valley		zilajam ainallavno
antela to #		MAL			IN				
130%	sanaminoi		stns!	1 11. #		1 1	The second secon	al sonserif	CARLOW TO CONTRACT THE RESIDENCE OF THE PROPERTY OF THE PROPER
						(an iiia)	Wintercreeper		ienutrof sumynou
						(sprub)	Amur Honeysuckle		onicera maackii
						(sprub)	evilO nmutuA		etelladmu zungeael
							Cut-leaf Teasel		Superiniatus
						,	European Alder		Alnus glutinosa
_						(shrub)	Japanese Barberry		Serberis thunbergii
						(sprub)	Common Buckthorn		soithartica
							Poison Hemlock		mutelusem muino
							Hedgeparsley		orilis sp.
			<u> </u>				Asian Bittersweet		Selastrus orbiculatus
ν'τ< :5	- /		H			,	Bishop's Goutweed		einengebod mulboqoge/
d: 101-1)							Purple Loosestrife		sineoiles mundty.
3: 2T-TO						E	Japanese Honeysuckl	(9niv)	onicera japonica
05-11 :2							Tree of Heaven		emissitle sudtneli/
0T-T :T							Norway Maple		Acer platanoides
mela to #		MN	MS	IS	NE				
	อักอุณิการอ	0.550	sins	10#	146	A STATE OF THE		as seesa (S	
							Giant Hogweed		Jeracleum mantegazzianı
	_						Flowering Rush		sutelladmu sumotus
							Black Swallow-wort	(9niv)	Synanchum louiseae
							Lesser Celandine		eineoif euluonune?
X: yes							szengtlitz əsəneqel		muənimiv muigəteorailv
eorieser4	SHP	MN	2M Buce		ŊĖ		ashodsat bigas	/doltosteb (hed tringli

4bCM PCAP Invasive species datasheet.xls last revised 6/23/2011 ceh

Natural Resoures

•								RM B-1:	BUFF	ER	SAN)PL	E PL				Reviewed	MILES NO. 18 HOLE	L Mile		
Site it): <u> </u>	24	45	2	6	12	68										1271		13	7	
Locatio	m:								A THE SERVICE SHAPE			HED : NO	Kirkida	FEED WAL	TO THE REAL PROPERTY.	建设。1888年197 年1	sampled and	flag	=>		1,000
OAAC	enter	C	N	0	S	O E	0	W	ALL SCHOOL STATE	lot	Anna Straight	Company of	lot	differen	A POST STATE	lot 3					
FIII in bubbles Strata Section	s for all th n; FIII in a	al app	oly: Ca oriale d	nopy	Type: class b	D = D	eciduou for eaci	s; E = Evergr n strata type f	Buffer een. Leaf T or each plo	vpe. E	Bro	adleaf	N = N	eedle	Leaf. A	bsent No tree derate(10-40	e canopy. %); 3 = Heavy (40-75	%); 4 = \	ery He	avy (:	>75%)
Buffer Plot 1	Canopy	y Typ f Typ	_	(F	\leftarrow	sen		Buffer Plot 2	Canop		- >	\sim		sent	$\overline{}$	Buffer Plot 3	Canopy Type:	\simeq	Ab	sent:	
Big Trees (>0			()	0		0	Flag				e: (•	0		O	Flag		(>0.3m DBH)	$\tilde{1}$	0	0	Flag
mail Trees (<0		0	0	0	0	0		Big Trees (-	5	\odot	0		0			- I = I		0	0	
Voody Shrubs,		0	0	0	0	0		Small Trees Woody Shrut	`	0	0	0	-	0			ubs, Saplings	_	0	0	
Voody Shrubs,		0	0	0	0	0		(0,5r Woody Shrul	n-5m HIGH) bs, Saplings	+=-			-	0		Woody Shr.	ibs, Saplings	00	0	8	
(<0.5 Herbs, Fo	orbs and	0	0	0	0			-	0.5m HIGH) Forbs and	+=	0	0	-	$\frac{0}{0}$					0	히	
	Grasses ground	0	0	0	0	0		P	Grasses	0	0	0	-	-		Po	Glasses -	00	0	0	
	er, duff	0	0	1	0				e ground	0	0	0	- +	\odot					0	0	
Little		-		0	-	0	ļ	L	itter, duff	0	0	0		\odot		L CONTRACTOR		+ <u>-</u>	_		
•	Rock	0		0	0	0			Rock	0	0	0	-	의			HERIOCKE AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF TH		0	9	
Sut	Water	9	0	0	0	0			Water Submerged	0	0	0	9	\odot			Cubmaraad		0	9	
Ve	egetation		0	0	0	$ \Theta $	evenue.		Vegetation	0	0	$ \Theta $		\odot	- In the second		Vegetation U		$ \Theta $	<u> </u>	a sale
	ACCRETATION OF STREET		Town Street	14631 467	PABAC	COLUMN TO SERVICE STREET	STORES TO S	a filled dati	DESCRIPTION AND SELECT		and the second	The state of the s	ce and	l an i	untilled		cales absence by	THE REPORT	Total Social	10 FO D	SOCIETIES.
MARCHINE PROPERTY.	dential		-	an S	Table 1	100	Interior and the		Hydrolo		9.51.5	sors			上冊	Continues of the Con-	Agricultural &	City Ing. Cyr	1	and the said	desire.
ill bubble	the best of	ent -	Plot		2	3	Flag	FIII bubb	4-2010 CARAGOS	EF/STEPES	Plö	1	2	3	Fläg	Afert of County Of Stage C	e if present - Plo	and the feet	2	3	Flag
Road - gra Road - two	ALDROSEKET ?			0	Ö	0		Öltches, (0	0	Ö		Pasture/H	ay	0	0	0	
Road - fou	THE PERSON NAMED IN			0	0	0		(IMPEDE FL	OW)	質性的		0	0	Ö		Range Row Crops		0	0	0	
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CHARLES	en Professional Sci	nent		0	0	Ö		FIII/S dil	PERSONAL PROPERTY.	ng	V 15 14	0	Transfer.	00		ROW CROP FIE		0	0 0	0	
Gölf Cours	AT A PERSONAL PROPERTY.			0	Ö	0	-	Freshly D		Sedir	nent	0	Ö	0		SHRUBS, TR Nursery		0	0	0	
Suburban	the size of	ieli		0	0	Ö	1	Soll oss		iôsUre	9	0	0	0		Dalry		0	0	0	
Ulban/Mul	de graches	Itiei		0	0	Ō		Wall/kijjr				tö	0	O		Orcha		0	0	0	
Lähdfill	in carring		153	0	Ö	0		Iniets, Ou	Strate HATELAND	- 1		•	O	Ò	3	Total Description	Animal Feeding	0	0	0	
Dumping				0	0	0		Point Sor	irce/Pine			0	Ô	0	-	Ru al Rés	Harmon Company of the	0	0	0	
Trash			978	0	O	0	2	(EFFLUENT Imperviou (SHEETFLO	is surface	inpu	t	O	0	0		Gravel Pit	F12 2 148	0	O	0	1
Other:	er washin.		******	jo	O	Ö	-	Öther:	IV. recisivet.	Lenitorie	drir week	O	O	Ö		Irrigation		0	0	0	
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Fili bübble	40000	a day			1 2	3	Flag	FIII bubbl	e If prese	ent -	Plot	1	2	3	Flag		ble if present - P	ot 1	2	3	Flag
Öll Öfililing	200 Maria 2			0	o	Ö		Forest Öle				Ö	Ö	0	arment.	Herbicide	AND THE SAME AND THE	0	0	0	
Ğās Wells	September 1985			Ö	_	O		Forest Sel	Later Land Berger Con-			Ö	Ö	Ö		nithantenan	nrub Cutting	0	0	0	
Mine (surf	mild water			0	1000	0		Tree Plan	THE STREET			0	Ö	0		Trails		Ö	0	0	
Mine (und	CONTRACTOR OF THE	<u> </u>		0		Ö		Tree Cano	A transportation of the property	/ огу		Ò	0	0		Soli Comp (ANIMAL OR	action	0	0	0	
10.002.000.000.000.000	orgroun.	٧/		111111	a statement			(INSECT) Shrub Lay	er Brows	ed			0	0		OUT THE STATE SHIPTING	hicle damage	0	0	0	
Military	THE PERSON		2586	0	A Company of the	0		(WILD OR DO	MESTIC) ized Gras			0	sin key fo	Ő		and the second of the second	nicle damage n (FROM WIND, WATI	R -	0	0	
Other:	- 130×14-170	Q7:14:01	116	0	100	0		(OVERALL <	31 HIGH)			0	0		-	OR OVERUS			-	100	
Other:			Pargus	Ö	- year	0	-	Canopy Recently 6			and	0	0	Ö		Other:		- 0	0	0	
őiheri _	ا الساد		a dipat	Ŏ	a lighted	0	A PERSON	(BLACKENE)			Ö	10	0	1 J. 1 s	Other	etwinipolicadai	_ 0	0	0	
图新 相	ag dode uffer Sa	315546	A Sala	NORTH	中海	Ex	ila rialo	Suspect mes flags in com	ment sect	, F1 l	the b	i = mile ack of	this fo	js(#8¢ ofm	ugned t	y each field		42816		PE.	

FO	RM	B-1	1; E	BUFFER SAMPLE PLOTS -	TAF	GE	TEC) ALI	EN SPECIES (Back)	(initia)s		
Şite ID;	Pa	A	R	501268	DAT	Ei (2. 3	<u>8</u> 1	2712012				
• Confirm	a fijic	ed dạ	ta bi	ubble indicates presence and an unfi	lled l	ubbl	e Ind	lçates	absence by filling in this bubl	oje			Carry Carry
Fill bubble if present - Plot	1	2	3	Flag Fill bybble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	4	2	3	Flag
Eurasian Watermilfoli	0	0	0	Purple Loosestrife	Q	0	0	i was to particular	Johnson Grass	O	Q	0	
Water hyacinth	0	0	0	Kηα(weed	0	0	0	and the second second	Kudzu	0	Q	O	Townsen or
Yellow Floating Heart	0	0	0	Japanese Knotweed	Q	0	0		Multiflora Rose	0	O	0	
Giant Salvinia	0	0	0	Perennial Pepperweed	0	0	0		Common Bucktho n	0	0	0	au au ann an
Garilo Mustard	0	0	0	Glan∤ Reed	Q	0	Q		Himalayan Blackberry	0	0	Q	
Polson Hemlock	0	0	0	Cheatgrass	Q	Q	0		Tamarisk	Q	Q	0	1
Mile-A-Minute Weed	0	0	0	Reed Canary Grass	Q	0	0		Other:	Q	0	0	
Birdsfoot Trefoll	0	Q	0	Common Reed	Q	Q	0		Other:	0	0	Q	
Canada Thistle	0	0	0	Leafy Spurge	0	Ô	0		Otheri	0	0	O	
									Other:	O	0	O	
		b		PLOT COORE	NIC	TES						1000	
Location of coordinate AA CENTER ON Latitude (3 (o s	3	OE3 OW3 O Nearest prac	Lon	gitud	de V	4694	and comment below)	0		File	ag
MANUFACTURE OF THE STREET			No W	Use Decimal Degr	908;	NAL	183						17.11
Flag Comments	WENT.						01						
1 Houses	01	e	it	har side						2548			
2 Trash M	XO	1/2	191	1 to plot									
3 Pipe le	od	ino) 1	into river proxi	m	11						2-1:100	
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									7	Maria	10.20		
A STATE OF THE PROPERTY OF THE	F-19-11-0-12	- SPATING	THE RESIDENCE										
Buffer Sample Po	oints	- Tar	gete	d Alien Species 05/27/2011					796	662	3541	3	0

Location:				Pig by	268		em i	n Mille	KIE/	m \ 14	WID.	1/24	TE: 08		<u></u>	£ (),	1	1
O AA Center	ON	0	8	0	E C	o w	O Pi	n pub nt 1	Die(s) IT Pic	b10		Flot 3	e sampl	léd an	d fla	ğ	+	
Fill in bubbles for all that a	nalu O				\$º	D.	Man M			-01.00	ENGSH-C	-	A Treasure Production Control of the	-			ign#		
Fill in bubbles for all that a Strata Section: Fill in appro	ppiy. C opriate	cove	r class	bubb	Deciduo e for ea	us; E = Evergreen. L ch strata type for eac	eaf Typ h plot.	e: B = B 0 = Abse	roadle ni; 1	eaf; N = Spa	= Nee	dle Lea 0%); 2:	af. Absent: No tre =Moderate(10-4)	e canopy.	avv (40.7	594). 4	- 1/		
Buffer Canopy Ty	be: 6) (0	Abser	ıt: O			Туре: (9 (_ T	Abse		Buffer	Canopy					-
Plot 1 Leaf Ty	pe: (T =)		Flag	Plot 2	Leaf	Гуре: (9 (Š		Fla	Plot 2		f Type:			Abse	
Blg Trees (>0.3m DBH)		0		0		Big Trees (>0.3m	овн) (00	0	0) (1		(>0.3m DBH)	TAIL	<u> </u>)
Small Trees (<0.3m DBH) Woody Shrubs, Saplings	0	0		0		Small Trees (<0.3m		0	0	0	0		Small Trees			-	5 0		_
(0.5m-5m HIGH)	0	0		_	6	Woody Shrubs, Sap (0.5m-5m H	IGH)	00		0	0		Woody Shr	ubs, Saplings 5m-5m HIGH)	0	_			-
(<0.5m HIGH)	0	0		-		Woody Shrubs, Sap (<0.5m H	lings IGH)	9	0	0	0		Woody Shri	bs, Saplings <0.5m HIGH)			-		_
Grasses C	0	0	0	100000		Herbs, Forbs Gras		00	0	0	0			Forbs and	01		_	_	4
Bare ground ①	9	0	0	0		Bare grou		0	0	0	0		Bai	Grasses e ground	0		****		+
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Stressor Presenc	e/Ab	30no	10 "	Confi	m that	a filled data bubb	le Indi	dates pr	eser	iĉe ai	nid an	unfile	d bubble indi	Vegelation	niia hi	000) ⊙ ubible	1
Residential and	Urba	n S	tres	sors				Stres				No.	St.	Agricultu	1000		State Sent	to dividal no	12000
fill bubble If present - I	Plot	1	2	3	Flag	Fill bubble if pr	NAME OF TAXABLE PARTY.	Spring hard of the	1	2	3	Fla				T 1	otre 2	the admitted	1000
Road - gravel		O	0	0	1	Öltches, Charine	lizātlö	n	o	Dethiclas	o	all the	Pasture/Ha	Martin Company	REGUL	1	11 1011	3	FI
Road - Iwoʻlane		0	0	Ö		Dike/Dam/Road/	RR B	d	0	O	N MAN P		Ränge			C	2011	A CONTRACTOR	1
Road - four lane		0	0	0		Water Level Ob	trol St	ructurë	O	Table Spin Course	O		Row Crops			0	40000	0	-
Parking Lot/Pavement	14	Q	0	Ò		Excavation, Öred	lging		O	O	O		Fallow Field	(RECENT-R	ESTING	0	Take 1	0	-
Golf Course		0	0	0		Fill/Spoil Banks			0	0	Ö		Fallow Field SHRUBS, TREE	TOLD GRA	.SS,	0	0	0	-
Lawii/Park		O	0	Ö		Freshly Deposite			Ö	0	Ò		Nursery	5)	de la	0		0	-
Suburban Residential		•	0	0	1	Soll Loss/Root E	xposu	ře	Ö	0	0		Dality			0	0	0	-
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irasn Other:	-	0	0	0		(SHEETFLOW)	ce inpu	100	Q	0	0		Gravel Plt	MATERIAL PROPERTY.	a di d	0	0	0	
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da Wells		0	0	0	F	orest Selective C	ut .		Ö	0	Ö		Mówling/Shru	THE PERSON NAMED IN		0	0	0	_
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lne (ûnderground)	C	o l	0		T	ree Canopy Herbi	vory	Acres de la Constitución de la C	Ó	0	0	unishe.	Soll Compact	ion	grade (right Half in wart	0	0	0	
ilitajy		- 1 2 125	MARKET P.	5	S	hrub Liayer Brows	ed	A1100110 110	Ö	•	0	-	(ANIMAL OR HUM	IAN)		0	0	0	8
ther:	100	Later T	g sales all	5	H	VILD OR DOMESTIC) Ighly Grazed Gras	ses	A STATE OF THE PERSON NAMED IN	5	0	-	F. 105 a	Offroad vehic Soll erosion (F			0	0	0	
thêr.	14141	100		5 5	R	VERALL <3" HIGH) ecently Burned Fo	irest	- 12-12-1	b.	Sec. 1	0		OR OVERUSE)	N LINE	DE NE	0	0	•	
her.	mint.	PU SH	7	5 5	Re	anopy ecently Burned G	asslai		-	left to day	Ō	-	Other:			0	0	0	
Flag codes: K No			面色		1/21	ACKENEDI		18 F 25 F 27 F 18 F 1	וכ	01	O	16	Other:			O	0	0	

Site ID;	Pa	A	P	50	1268	DATI	EI C	2,8		2712012				
				PAGE TATE		illed b	ubbl	e Ind	cates	absence by filling in this bub!	ple			
ll bubble if present - Plot	1	2	3	District Property	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
urasian Watermilfoli	0	0	O		Purple Loosestrife	0	0	Q	Trustani	Johnson Grass	0	0	0	
Vater hyacinth	0	0	0	A	Knotweed	0	O	0	The Management of the O	Kudzu	0	Ö	Q	
ellow Floating Heart	0	0	0	van valen, der derden, van d	Japanese Knotweed	Q	0	0		Multiflora Rose	0	0	0	
Sant Salvinia	0	0	0		Rerennial Pepperweed	Q	0	0		Common Buckthorn	0	0	Q	
Sarlic Mustard	0	0	0		Glant Reed	0	0	Q		Himalayan Blackberry	0	0	0	
Polson Hemlock	0	0	0		Cheatgrass	Q	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	O		Other	0	0	Q	
Birdsfoot Trefoil	0	0	0		Çommon Reed	O	0	0		Qther:	O	Q	0	
Canada Thiatle	0	0	0		Leafy Spurge	Q	Q	0		Other	0	0	0	
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CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	nmunity Assessment Program - B	ackground Data Sheet		(P) GlandamdMatraparts
Project Label:	PCAP	Project Name:	Plot No.:	Page 2 of 2
MODIFIED NATURESERVE CLASS*		DISTURBANCES	ES	The state of the s
CODE (on separate form):	Fit=Conf=	type* severity**	* yrs ago % of plot description	on
		Human		
COMMUNITY NAME:		Fire		
		i j		
		Animal		
		Other	9	
HOMOGENEITY		**L=low, ML=med	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	, VH=very high
Homogeneous	□ Compositional trend across the plot	Current Land Use:		
Conspicuous inclusions 🗆 Irregular/pattern mosaic	mosaic	Former Land Use:		
	HYDROLOGIC REGIME*			
	Upland (seldom flooded)	□ Intermittently flooded		
SALINITY*	☐ Intermittently/seasonally saturated	□ Semipermanently flooded		
- Saltwater	(seldom flooded)	□ Permanently flooded		
- Brackish	□ Permanently/Semipermanent. saturated	□ Tidal/Seiche flooded daily		
n Fresh	(dry <1/yr, seldom flooded)	☐ Tidal/Seiche flooded monthly	ly l	
□ Upland (n/a)	□ Occasionally flooded (<1/yr)	☐ Tidal/Seiche flooded irregular	ar	
	□ Temporarily flooded	(e.g. wind, storms)		
(by default unless plot is a wetland)		a Unknown		
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	ss of plot to the stand, successional status, m	aturity, etc.)		
				_
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				=

70	Project label: PCAP Project Name:	ne:	Project label: PCAP Project Name: Plot No.:				Page: 1 of 1
1	200		13				19 (3
n lo	SOIL PIT DESCRIPTION: Excavate 20 cm						
≤ 7	visual exam, texture, and odor	SOIL SAMPLES Standard procedure collect a soil					
Г		intensive module and composite the sample	EARTH SURFACE & GROUND	CE & GROU	ND COVER		TRAIL INFORMATION
S	Soil pit module # (one per entire plot)		Underlying Earth Surface*	h Surface*	Ground Cover		record type and cover for
gn .	5 cm matrix color	Soil Collection Moduld Borizon (A, B, C)	(Sum 100%)	percent	(Each ≤ 100%)	percent	Туре
	mottle color	23.87 composited A	Histosol		Coarse Woody Debris***	*	a All Purpose
	%mottle	Web Schlenger Differentials	Mineral Soil		Fine Woody Debris****	*	n Bridle
	oxid roots Y N	Soil Series/Type: Trogaloan	Gravel-Cobble*		Litter		□ Hiking sanctioned
	texture*	Soil Series Source: Ohio Soil Survey	Boulder**		Duff (Ferm + Humus)		national Randoct II
	redox features** Y N	Landform type: Mood Dlairs	Bedrock		Bryophyte- Lichen		n Gravel
	hydr cond *** I S M D	ayer	* Gravel-Cobble = 1/16-10*	= 1/16-10*	Water		□ Deer
2	20 cm matrix color	Parent Material: Alluvium	**Boulder = > 10 in	in	Bare Soil		
	mottle color	DIMNAME TO STATE OF THE PARTY O	*** >5 cm in diameter	neter	Road/Trail		
	%mottle	□ Excessively dr □ Somewhat excessively	**** <5 cm in diameter	ımeter	Other		
	oxid roots Y N texture*	Well drained	= ,5				
	redox features** Y N	o Impermeable surface Salas 112	12	COVER BY STRATA	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	»x:3, 8, 13	
Ť	hydro. cond.*** 1 S M D						STAND SIZE
*	refer to texture classes on reverse side	SOIL DEPTH MEASUREMENT: Measure to the nearest 0.1 cm in center of Intensive modules. If >30.5 cm,		Strata	Height Range (m)	Total Cover (%)	□ >600 x plot size
:	•• e.g. hydrogen sulfide odor, gleying, etc.	acourt as 700		Tree			□ > 100 x plot size
T	*** Circle one:	1 litter+		Shrub			□ 10-100 x plot size
C N	Notes: include evidence of earthworms (worms, castings, middens)	mod# (cm) depth (cm) (cm) soil (cm)		Негь	t		□ 3-10 x plot size

	-			- 1			percent			
			D4			H-H_				
	n Deer	□ Gravel	□ Bootleg unsanctioned	□ Hiking sanctioned	o Bridle	a All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:	The state of the s
		10	ed				%Cover	for each	ON:	

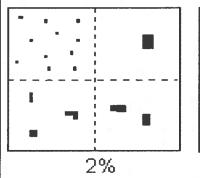
STAND SIZE > >600 x plot size > > 100 x plot size 10-100 x plot size 3-10 x plot size 1-3 x plot size

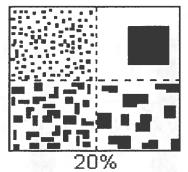
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

** submersed, most plant mass below surface rooted and floating or slightly emersed



Class	С	ode	Criteria: % of
	Conv.	NASIS	Surface Area Covered
Few	f	#	< 2
Common	c	में	2 to < 20
Many	m	$\frac{\alpha}{\sigma}$	≥ 20





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.

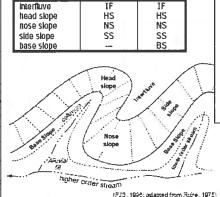
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

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 Flat Plains:

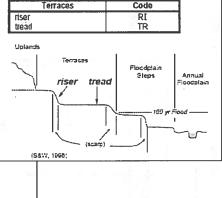
NASIS

e.g., (for Hills) nose slope or NS.

Hills

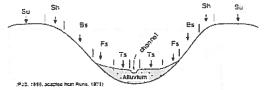


PDP



Hillslope - Profile Position (Hillslope Position in PDP) - Twodimensional descriptors of parts of line segments (i.e., slope position) along a transect that runs up and down the slope; e.g., backslope or BS. This is best applied to transects or points, not areas.

Position	Code
summit	SU
shoulder	SH
backslope	BS
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.