CLEVELAND ME I Project Label:	ROPARKS Plant Community Assess PCAP			Quality Control Form 7/25/11 September of the Property of 1/54 Date Sampled: 126/11 Lead: Dyb
	1.4.2.7 14.00			Comment required if item answer is NO
Parkmo/Access ontsid	to of Park Boundaries	T y	(D)	If yes, write details in Comments section below
ield journals comple		0	N .	
Site sketch made on t		8	N	
theck cover page	X-axis Bearing of plot recorded		N	
shook cover page	GPS coords, Recorded	0	N	
	North direction recorded	0	N	
	Photographs taken?		N	
lot No., Date agreen		0	'n	
leader data complete		10	N	
	ed in all Intensive modules	0	N	
Browse Level By Spo		0	N	
Voody stem quality of		0	'n	
ovasivo plant quality			N	
Ash trees mapped	CONTROLOGICA	10	N	
Cover by Strata? (cor	aftern court type)	0	N	
	d with matching plot #.	8	N	
	datasheet with initials and number	1 27	N	
ouchers labeled on		10	N	
rink flags removed	concenti on;		N N	
Data sheet QA before	Lancing etts?			
Common equipment		Y	N	
Data sheets scanned?		1. (.	<u> </u>	Enter date to left
inal data sheets scar		112	4	Enter date to left
Buffer Widths measu		(3)		The tale to to
Web Soil Survey	B C.I.	18	N	
	Refrigerator	1 V	N	
Voucher Location	Press (#)	<u> </u>	-13	Enter number to left
# venchers collected)	Drier	Y	N	Talka Hullings to tear
.*	Identified	<u>\</u>	N	
	Mounted	- <u>Υ</u> Υ	N	
<u> </u>	Thrown away	<u>1</u>	14	
	ntion: Is plot sampleable?			
11 Yes	Original GRTS point is sampleable	(11		20.
□ No	Original GRIS point lands in a non-		area (1	(ii) to category below)
	Point falls in a water (i.e. river, Marianed mowed area (i.e. golf)		orea rie	ht-of-venv)
	Paved area (i.e. parkinglot, rood)	sourae, mone	mest, rep	T. T
	11 Unsafe to sample (i.e. steep slope	e)		
	□ Other			
Additional Comme	nts:			
ř				

SAMPLING QUALITY* Minmum required fields in Bold and Underlined TAXONOMIC STANDARD TAXONOMIC ACCURACY Plot Name:) And Cooker? CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet Accurate Effort Level: PLOT NOT SAMPLED: Date (nun/dd/yyyy): 6フ / 25/ 2さ(/ Project Name: +154 01 RR 2011 GENERAL INFORMATION Authority: "Roles Co-leader Assa, Guide Owner, Texanomist, etc. Project Label: PCAP ind date (if > 1 day): 07 /26 / 2011 Wery thorough Perm. water ___ Paved ___ Slope ___ Safety MCRPHY LANTERMAN MACK Level 5 (nested corners sampled) Levei 4 (no nested corners sampled) modera. how much effort put into may still provide good sampling. Hurned plots subjective evaluation of Pub Date Plot leader buffers If data not public why? Role オカット MOR SU FREE □ Other not smp. 1998 Photo Nos.: C-3 Source of coordinates - - MAP Datum: NAD83/WGS84 GPS location in plot x=0 to 5, v=+1,0,-1): Local Place Names: ROCKY RIVER
STA BLES Intensive modules 12, 2, 2, 5 6 Depth: (1-5): ■ Lat/Long □ UTM □ StatePlane ⊃Fuzz 100m = Fuzz 250m = Fuzz 500m Check one: 🗷 Public data 🛮 🖻 Private Date Data Confidentiality Trems present Plot size stems: 0.66 (ha) Plot size for cover data: Quadrangle: LAKEN COL LOCATION ongitude: 81. 84174 _oordinate system: *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Stems not sampled on this plot - Stems absent oord. Accuracy: atitude: 41.43/03 andowner: CLE X-axis Bearing of plot: OH QE E (base of plot x=0, y=0) METRO 90.00 County: COYA HoGA c NAD27 ■ deg ⊡ deginin Coord, Units ■ GPS 245 (hectares) content), Rationale (why here), and Veg Characterization (description of community, NOTES: Include Layout (any unusual shape details). Location (directions and landscape VEG - Hier Swelvarin PATIONALE - Disagreed with original layout; altered layout to capture Lindows thicket and less of dry-mesic Plot placement: dommants, strata, BROWSE). Additional notes in space on back Symplocarpus seep. TAYEDT - ZX3 Diagram Plot origin S GPS location Key: (3,0) point point hail at E and of field, follow bear of stope to be to the total slope to S; did not extend plot farther E because of light gap and seepier areas; Original SRTS pt LOCATION - 500m su of intersection of PURITAS Transect component \pm Systematic (grid) \pm Capture specific feature \pm Othe STABLES. Park @ shables and walk bridle trail until & GRAYTON RDS. & ra. 600m 5 of Rocky RIVER plat. Part is 0 Compy , some otageRepresentative ZGRTS = Random = Stratified Random Indera should layer, herbs TO 3 inders thicket adjacent te haxmus americana 14 o laken, 111115 PHEMENH 7 • Page 1 of 2 Alfa Wha sinndlannaismha iocation of

Sparse, some Symplesayous extering in used!. Browne mediting -low with Linders and Partherecous

Drowse meditin - lan with Liteleta o-showing highest Growse.

Natural Resources Margement FORW NR/20/10-016

	d Tuplans.	the shut of	Maple Forest in want of the captures than the transition	botton (:
	* * * * * * * * * * * * * * * * * * *	· Ø	er serve		☐ tregular/patern mosaic
	han	to George A	sections of	Jone	□ Compositional trend zeross the plot
	unity, etc.)	successional statu	Additional notes & diagrams: (Representativeness of plot to the stand,	Additional notes & die	HOMOGENEITY
	⊒ Unknown				
		= Temporarily flooded	wetland)	657	MIXED FOR
	= Tidal/Seiche flooded monthly	Default inject not as a Consequent flooded (<1/er.	(by default unless plot is a		
	□ Tidal/Seiche flooded daily	Permanently/Semipermanent, saturated	n Fresh	Fire Cont-19	CODE (on separate form):
	c Permanently flooded	(seidom flooded)	□ Brackish)	MODIFIED NATURESERVE CLASS*
	ਛ Semipermanently flooded	□ Intermittently/seasonally saturated	⊐ Saltwater	Fit= Conf=	ם SHRUB ב shrub swamp ב tall sh. bog ב tall sh. fen
	ntermittently flooded	Lipland (seldom flooded)	SALINITY*	Fit=Conf=_	□ EMERGENT □ marsh □ wet meadow □ open bog
		HYDROLOGIC REGIME*		Fit=Conf=	□ FOREST □ swamp forest □ bog forest □ forest seep
		Former Land Use: UNKSONN		ONLY):	Ohio EPA VIBI Plant Community Class (WETLANDS ONLY)
		Current Land Use: PARKLAND		Fit= Conf=	BOG (strongly, moderately, weekly ombrotrophic)
	iow. Ni=med, MH=med high. H=high, VH=very high	**L=low, ML=med iow, M=med, MH=med		Fit=Conf=	⊆ COASTAL (specify subclass)
		Other	□ < plot size	Fit=Conf=	C FRINGING C Reservoir C Natural Lake
	breuse	Animal mac o 100	□ 1-3 x plot size	Fit=Conf=	□ SLOPE (ground water invdtclogy or on a physical slope)
		Cut	3-10 x plot size	Fit=Conf=	□ RIVERINE = Headwater □ Mainstern □ Channel
		Fire	The Control Strains	Fit=Conf=	□ IMPOUNDMENT = Beaver □ Human
	envacon (stean)	Natural L 0 10	⊃ > 100 x plot size	Fit= Conf	DEPRESSION
in the state of th	trash (washed down ;	Human L O 1	= >1.000 x plot size		Hydrogeomorphic class (WETLANDS ONLY):
	description	type* severity** yrs ago % of alot	1	Fit and Confidence	(FIT = excellent, good, fair, poor, CONF = high, med, low)
	×	DISTURBANCES 4/%	STAND SIZE		CLASSIFICATION
	: //54 Page 2 of 2	Project Name: 0/RR204 Plot No.:	Project Name:	el: PCAP	Project Label:
	A disected by the state of the	Sheet	am - Background Data	ity Assessment Progr	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

LOW OR NONE. there is no measurable browse line BROWSE RATING NARRATIVE DESCRIPTION

example, trilliums may flower and fruit, but jewelweed and arrowwood viburnum exhibit browse. normal in comparison to low browse areas. For reproducing in numbers that appear normal or nearbrowsed but preferential species are observed to be to plant reproduction evident. In this rating, plants are about 10 percent of the stems with no significant impact MEDIUM LOW values include evidence of browse at less than 10 percent, by numbers of stems browsed and intensive module. In general, low values relate to AND there are very few or no plants 1-m nested quadrat

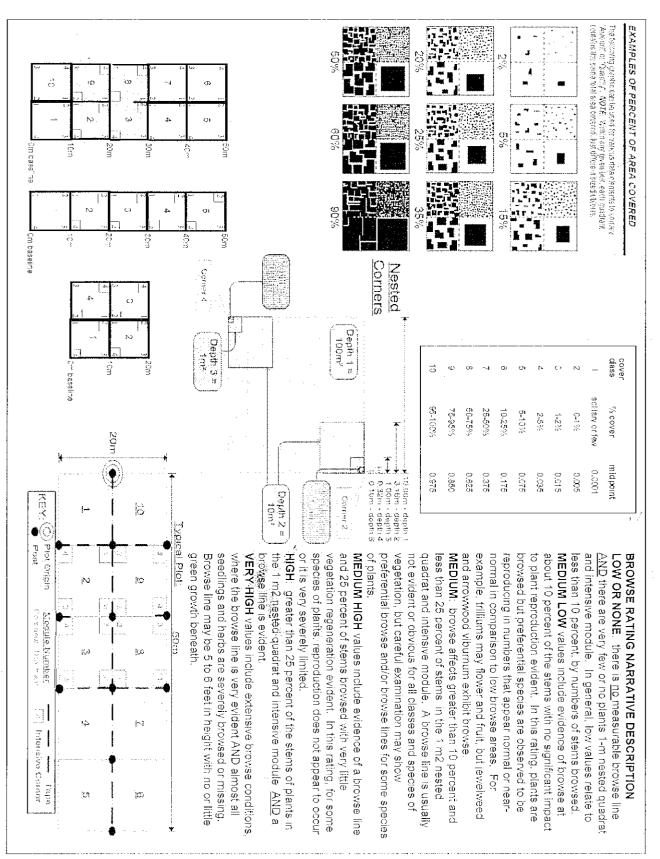
vegetation, but careful examination may show preferential browse and/or browse lines for some species not evident or obvious for all classes and species of quadrat and intensive module. A browse line is usually less than 25 percent of stems in the 1 m2 nested MEDIUM: browse affects greater than 10 percent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

HIGH: greater than 25 percent of the stems of plants in or it is very severely limited. 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

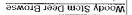
seedlings and herbs are severely browsed or missing. where the browse line is very evident AND almost all browse line is evident. VERY HIGH values include extensive browse conditions

Browse line may be 5 to 6 feet in height with no or little green growth beneath.

의		5	쥥	죎	핑	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet	ment	: Program Species	S Co	ver Da	ta Sh	eet								ם,	Page	17	ध्	2 of 2	
—— U	Project Label:	다.	abe			PCAP	ı	Project name: 6/RR2011	2/	R20	<u>\</u>		Plo	Plot no/		154	. 1						•		_
	Total modules:	moc	<u>ule</u>	S		6	! <u>=</u>	Intensive modules: _	c	 _ <u>u</u>	Plot configuration:	ifigura	tion	1/2	C)			_	Plot area (ha): 0,06	rea	(ha):	0	E		
< S	<u>55</u>	st. %	000	n we	ater enti		est. %u	Visual est. %unveg.o.w. entire site:			Ş	V/sual est. %invasives entire site:	L %inv	/asives	entire	site									
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#1 #10~5	etherometr Outsigned			Η):	۵	describe amount of browse per species over entire plot	§9	%unvegetated open water												\\					
တ္	Strata - Ccv. entire plot	000	en:	<u>Б</u>	21		% 9 1	%unveg, ground (bare soil) %unveg, litter (bare litter)	_ _		_					>									
П	S	工	Œ	H (F) (A) Br	В	Species	o	_	cepto	cov depti-	tr cov	depto	C017	depic	GAV.	depth	SCV.	depth	S S	Cepth	GP.	depth	65	cepth	007
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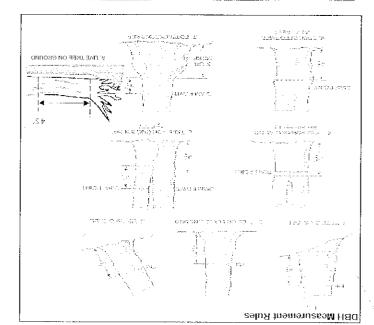
,	CLEVEL	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	t Communit	y Assessm	ent Prog	ram Natu	ral Woods	/ Stem Da	ata Sheet						
		Project Label:	PCAP	l	Project N	lame: DX	Project Name: DRR2011	İ	Plot No.: 1154	1154		Page:	of.		1 -
	ЭХЭ	Explain subsample (additional room on back):	back):				:						-		
				# stems	dns %	# size	size class (cm) woody stems >1 m	oody stems		37	n .	J	مد	Ď	::
	™cć #	species.	c voucher#	I—	_	clumps 0-<1	<1 1-<2.5	8 2,5-<5	&- < 1 O	10 - <15 1	5 - <20 20 -	^25	25 - <30 30 - <35	<35 35 - <40	0 >40 (record each tree)
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l	エン	Acer secharum							#		-	-	\ 		
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•	5	Parthamerica on one											maketr-e		LAGORAL MATERIAL PROPERTY AND ADMINISTRATION OF THE



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

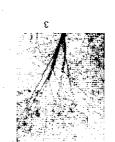
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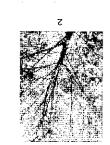














ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple
- ₹* >20% Diepack: The canoby has less than half of the leaves that should be there and/or half of the top branches are dead
- 2" Dead canoby: No leaves remain in the canopy portion of the tree. It still counts as a 5 even it there are epicormic sprouts below the canopy

- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to ${\bf x}$ **Epinning canopy:** There sten't as many leaves as there aught to be but all top branches exposed to sunlight have leaves
- sunlight, die naturally and are not considered
- (Jowest pranch) on the trunk.

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(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):

usuk sa descriped pelow)

- 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.

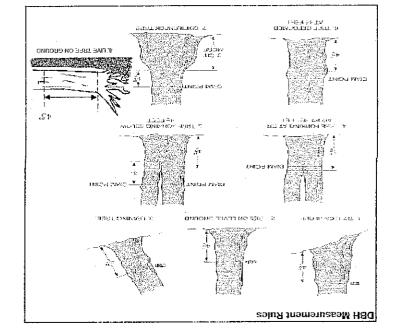
1 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet O Smilax hispida Explain subsample (additional room on back): Project Label: C8150 ± stems 0.5-1m or super % sub Project Name: 0\222011 shrub ## e 0 size class (cm) woody stems >1m 0-<3 1-<2.5 2.5-<5 Plot No.: 1154 5-<10 10 - <15 15 - <20 20 - <25 Page: 25 - < 301 30 - <35 Չ, Soloveland Metroparks 35 - < 40ö >40 (record each free)

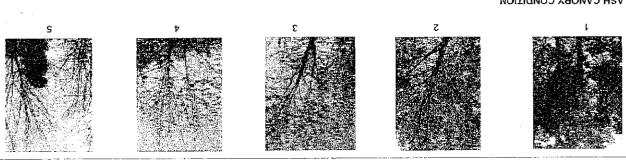
Woody Stem Deer Browse

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



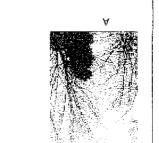




ASH CANOPY CONDITION

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



a

(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):

rank as described below)

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

* 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)

ទៀបនកាយាធាកាលលោក Page: Tof2

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet

Project Label: PCAF

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odule using Tree ID numb	Map all ash trees≥10cm in each module using Free ID numbs											2.4	
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·			X			<u></u>	Dame's Rocket		-lesperis matronalis
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}		<u> </u>					Canada Unistile	500	Cirsium arvense
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1			X	Age.		(qnuqs)	Multiflora Rose		sosa multiflora
ļ.						(qnuqs)	Glossy Buckthorn		zuale alugnar
			L				Japanese Knotweed		mutsbiqsuo munogylo ^c
-							Phragmites	(wetland)	eilenteus australis
						ļ.,,	Reed Canarygrass		shalaris arundinacea
Ļ			X			(spunp)	Bush Honeysuckles		morrowii, L. tatarica
					X	(dunds)	Sommon Privet		อาครูโนง mนาระบฐเ
X: yes		Χ	X	X	Χ_		Garlic Mustard		Alliaria petiolata
Presence		WN	MS	?E	. an				
	comments		อวนอ	sard			tnebnuds bn	e bearqeabi	The second secon
L						(qnuqs)	Doublefile Viburnum		Viburnum plicatum
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Γ							Star of Bethlehem		mutallədmu mulagodtimC
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00T-TS :E						(qnuqs)	Five-leaf Aralia	snjj	Eleutherococcus pentaphy
7: 11-50							Crown Vetch	(С-солет)	Sinev ellinoto
ा उन्त							Lily of the Valley	(G-cover)	silajam ainallavno0
stand to #		ΜN	· MS	as	NE			 	
<u> </u>	comments		stant		:		of Interest	Presence is	Liet 3:
ľ							Wintercreeper		ionymus fortunei
F			• /	*******		(qn.iqs)	Amar Honeysuckle		Conicera maackii
ľ			-			(qnuqs)	Autuma Olive		etalladmu sungaaal
-			li				Cut-leaf Teasel		sutainisel ausasqid
	3						Furopean Alder		Alutinosa suniA
-						(qruys)	Japanese Barberry		Berberis thunbergii
}		 				(qnuqs)	Соттоп Висктюги		Rhamnus cathartica
<u> </u>							Poison Hemlock		Conium maculatum
}							Hedgeparsley		ds silino l
-							Asian Bittersweet	(aniv)	Celastrus orbiculatus
2: >1,000							Bishop's Goutweed		Aegopodium podagana
000,1-101 4							Purple Loosestrife	L	Lythrum salicaria
001-15 :8		l					Japanese Honeysuckle		Lonicera Japonica
75: 11-50							Tree of Heaven	1	emissitle sudtneliA
OT-T :T							Norway Maple	1	Acer platanoides
stnel9 to #		MN	MS	ЗĒ	NE		of cold from sold		2001000040100000
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WITCH TOTAL				1 3" 17			Giant Hogweed	***************************************	unaizsegatnem mualberaeli
11 500							Flowering Rush		sutelladmu sumotud
TO THE W							Black Swallow-wort		Cynanchum louiseae
	8924 292 NOWINE	V					Lesser Celandine	(2011)	Ranunculus ficaria
x: Aes	108	X							
Presence		AAAA	44.5		TKI		sengilits osoneget		Microstegium vimineum
33003010	245	WM	MS auce	EST.	NE		Bandesa biqeЯ	Isaasanana I	a branca substitute

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

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet Project label: PCAP Project Name: Ol RR 201/

Plot No.: 1154

end and the company of the company o

Page: 1 of 1

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

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

Notes: include evidence of earthworms ecasting layer observed (worms, castings, middens) Earthworms present/ 🌁 e g. hvdrogen sulfide odor, gleving, etc 20 cm 5 cm rmiddens wot observed =indundated S=saturated M=moist D=dry refer to texture classes on reverse side observed matrix color matrix color hydro.cond.*** redox features** oxid roots exture* nottle color exture %mottle ıydr. cond.*** edox features** ixid roots nottle color 6mottle 10 VR 3/2 10 YR 3/2 (A) 3 U

> 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

DRAINAGE	Parent Material: Residuin	Landform type: Draing pway (Soil Series Source: Ohio Soil Survey	Soil Series/Type: BreckSville	Web Soff Survey Information:	Soil Description/notes:		13.50 composited	Soil Collection Module
Shale	weather from	, C	1	ile Silt bam				Ţā.	Horizen (A. B, C)

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 m

C?=check when collected

		Mo
		Module#
		C?
		Corner
		Corner

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

		J.e.	record as >30			
	i litter –	2 lider	3 restrict.	water	depth	
	erganic depth	depth	depth(cin)	depıh	sat soil	
mod#	(cin)	(cin)	: WSS	(cm)	(cm)	*
	0.75	0.75 7100	7100	0	>30	Depte to restrict
2	2.5	2.5	>100	0	>30	luger: 20 to 40
5	6.0	6.0	>100	0	230	である
6	1.5	5.1	>100	0	>30	puralithic palace
Length o	Length of soil probe = 125 cm	= 125 cm				
7 Use We	b Soil Surv	ey for#3 R	Use Web Soil Survey for #3 Restrictive layer dept.	ayer dept.		

31.38763 Separate dide Mex 1. litter + organic Chich debasteration

This of baseline

Ladder this time

This of boundaries

6aCM PCAP Soils_Crown cover_Lancform_Standing Biomass_Data Sheet_Ver 2xls.xls last rev.sed 6/23/2011 ceh

G Very poorly dr

impermeable surface

Poorly dr.

□ Somewhat poorly dr Moderately well dr. \mathbf{X}_W ell dramed ⊏ Excessively dramed

Somewhat excessively

DRAINAGE"

UNKNOWN: The hydrologic regime cannot be defermined from the available information

the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's

surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier

saturated to surtace for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier

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

DEBIL

18811

SOTEMBLE

1966) WOS

developed for use in the and West for water regimes of Playa lakes informittent 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

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil

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

INTERMITTENTLY/SEASONALLY SATURATED. Dry at least once per year. Surface water is seldom present, but substrate is saturated

OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often

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U! VIIGHT ŰÜ # S 40 < 50 # Ů COURTER #:0<u>-1</u> Surface Area Covered SISVN COUNT To 22 STRAIN ono: CISSS

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9= Not measured - make plot note 4= Coarse Sand 3 = Sandy2= Clayey 1= Loamy

oinsgnO =0

which form a ball but not a ribbon should be coded as loamy poth 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 esant bas llisd is ni yets ton lliw lios şêtt 11 llisd is otni elqrass edt llor 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

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

Intermittently Flooded modifier.

cuaracterizes flood-plain upper terraces

to surface for extended periods during the growing season

a. Ag drappindinar : pagg 1572)

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Geomorphic Component of the ferroes. Mountens and Find Planes.

DERCENT MOTTLES (USE CLASS CODES):

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SW 10 odojs esau (sijija 104) "ti :

елинар:

UPLAND: Not a wetland Very rarely flooded

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Name: Q | RR 20 | 1

Flot No.: 1154

Spinitered and States states and a Page: 1 of 1

COVER BY	COVER BY STRATA(thest materials)	st mate using
Streta	Height Range (m)	Istal Cover (%)
Tree	100 - ↑	6 3
Sirub	65 8	83
Herb	0 0.5	3 3
(F.oattig)		
(Aquetie)**		
"rocted and 1	reposed and floating or slightly emersed	emersed
" supmersed	most plant mass below surface	peloweurface
SEE BACK (SEE BACK OF PAGE FOR	TABICAL.
STRATA DE	STRATA DESCRIPTIONS, STRATA	STRATA
CAN VARY	CAN MARY BY COVER TYPE.	iu 10

	Odiet	a Tele	As cm in diameter
00	Road/Trail	Eter	*** >5 cm 'n diameter
3 3	Base Sect	57	"Borlder = > 10 in
w	Weier	= (318 to 10 h	n 0: avel-Coable = 7/18 to 10 in
(_V)	Bryephyte-Lichen	O	Bedrock
0	Duff (Feon. + Humus)	0	Boulder**
6 %	Lines	W	Gravel+Cobble*
ø0	Fine Woody Debris***	ر. د	Mineral Scil
)3	Course Weedy Debris***	0	Historoi.
ner cent	\Œach ≤ 160°0	percent	(3) on = 16836
	Ground Cover	rth Surface"	Underlying Earth Surface
	EARTH SURFACE & GROUND COVER	FACE & GRO	EARTH SURI

TRAIL INFORMATION: If trail falls in plot record type and cover for each Type All Purpse Bride B

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

Slope if = slight elevational grade across module (rill) MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only Ranks for micronabilat features. Setections are safect two and average the spore. NOTE: Hinod fails on a stock automatically geratranked passed on steephass (1-3) Slope 2 = falls or slope ~20 ? Slope 3 = maximum steepness that can be safely sampled <45 °

*C feature is present in moderate or greater amounts and of highest quality. feature is present in moderate amounts, but not of highest duality, or in smell amounts of highest quality. feature is present in very small amounts on it more common, of low quality feature is absent on functionally absent (Golf Course Fig.)

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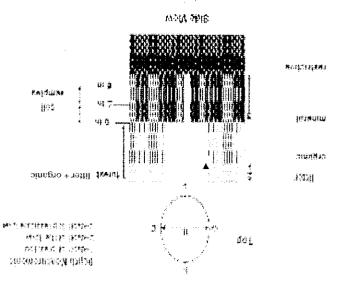
CROWN COVER DENSIONATION MAN 4 costings per challe fixing N, S, E, W. Place dot count at conventing space. 4 data per grad spaces!

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which case they would span the f	as up to 1 4 m height or as <2 5 cm DBH in the and shrub layers.
s to agnilbaes abulbni oals naO**	
* Very tall shrubs are sometimes i	. unter tree stratum
Aquafic (submerged)	Submerged
Floating	gnitsol I
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, cpiphyte)
	(epiphyte)
Troe (generally $> 5 \mathrm{m}$)	Tree (overstory) very tall shrubs*, liana.
MUTAATS	GENERAL FORM
COVER BY STRATA	



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All the party															

Recently Burned Forest 00 Ο 00 000 0 Other Canopy Recently Burned Grassland (BLACKENED) 000 000 0 00 Other: Flag codes: K = No measurement made, U = Suspect measurement, F1,F2, etc. = misc. flags assigned by each field crow.

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

Buffer Sample Plots: 05/27/2011

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

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000 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

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Dumping		302. 17 m	0	0	0		(EEFLUENT OR STORM)	NATER) anput		\circ	0	0		Gravel Pit				0	0	0	
Trash Other				0	0		(snet (flow)			0 0	0	0		Tringation				0	0	0	
Other	The Zan	2	0	0	0	i 	Other			Ö	0	0	l 	Other	argalikan astau a		angaga L	$^{\circ}$	0	0	
			<u>ب</u>	1.000		<u>.</u>				-	777 7	0.44	l	tion Stress				$\mathcal{L}_{\mathbf{I}}$		اب	
Industrial De			-					da di ser se siste		- 1			ration, ar				, J				
Fill bubble if prese	nt - P	'lot	1	2	3	Flag	Fill bubble if prese	nt P	7.77.7		2	3	Flag	Fill bubble		nt - 1	TOT	1	2	3	Flag
Oil Drilling	, juliá Nota		O	0	O		Forest Clear Cul			$\sum_{i=1}^{n}$	0	0	···-	Herbicide Us	Carl Strains	ora Am. Salaman		0	0	Ô	
Gas Wells			0	0	0		Forest Selective Cut			Э -	0	0		Mowing/Shr.	ib Cutting			0	0	0	
Mine (surface)			Ο	0	0	i marai	Tree Plantation Tree Canopy Herbive	3 		\supset	0	0	÷	Trails Soil Compac	dioe			0	0	0	
Mine (underground)			О	0	Ο	: : :,	(INSECT):	h 11-4		O	0	0		(ANIMAL OR LIU				0	0	0	
Military			О	0	0		Shrib Layer Browse (WIED OR DOMESTIC)		•	0	(20)	0		Officed vehic	and the second of the second o	Ser dans a		Ο	0	O.	
Other			O	0	O		Highly Grazed Grass (OVERALL - 3"L(IGH)	de emale) 	0	Ο		Soit erosion (OR:OVERUSE)	FISCOM WINI	, WAT		0	0	(20)	
Other			0	0	0		Recently Burned For Canopy)	Ο	0		Other :				0	Ο	Ο	
Other:			0	\overline{o}	0		Recently Burned Gra (BLACKENED)	issland	1 ()	O	О		Other				0	O	O	İ

Other 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



81/SEC9996L Flag Comments Use Decimal Degrees; NAD83 Calinde North 4 1 8 S 35543 13 Longitude, West O AA CENTER O'N3 O Mearest practicable location (flag and comment below) EAA 🐠 O 23 O E3 Focstion of coordinates (choose one): DELA citive placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be Plote, are centered on the Buffer. Transects and the coordinates will judicate the location of the transect. Fill in the transect presents are transfer that the transfer business and the coordinates will include a second transfer that the coordinates will be able to the coordinates and the coordinates will be a second to the coordinates and the coordinates are considered to the coordinates and the coordinates are considered to the coordinates a It Boilfor, Plot 3, can not be accessed, take the coordinates at the nearest practicable location M ONG. THE TRANSFOT This is important because all Boilfer jocstrou of the plot coordinates by filling in the appropriate bubble: Provide CPS coordinates at the center of the Dutter Plot (#3) at the far end of each Butter france can be for the Butter Plot at the ACENTER, Indicate the PLOT COORDINATES 000 :::adfi@ 00 O 000 O 0 Leafy Spurge Standa Thistle OПэфО 00 O liota) Flaotabriß O Chec O 0 Common Reed O O O beeW sturiM-A-sliM 0 Other Reed Canary Crass O O - zasigteəri \circ 0 Poison Heimlack 0 O O 0 Asname I O 0 (O Carrie Mustard Himalayan Blackberry 0 O **BeaRthaic** O O O O O O O O sinivis2 insiO O \circ O Perennial Pepperweed O O Common Bucklifour, O O O Tellow Floating Hear 0 0 japanese Knotweed 0 О O , esog godiniuM O O 0 O Water byacinth 0 Ю O O 0 Knotweed HZPHY O 0 Furasian Watermifoil ajursasoo j aldınd O O O 0 assio nosnáct \mathbf{O} O O Fill bubble if present - Plot Flag Fill bubble if present - Plot Flag Fill bubble if present - Plot 3 7 3 7 Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble DD 1) 02/ 92/ CO =140 112-7 dt/2d :: grans

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

.. 1107/77/50

səbə

Buffer Sample Points - Targeted Air

CLEVELAND METROPARKS Plant Community As	y Assessment Prograr	sessment Program - Background Data Sheet	Sheet		S Orvelans Weitegungs	repuries
Project Label:	: PCAP	Project Name:		Plot No.:	. Page 2 of	2 of 2
CLASSIFICATION		STAND SIZE	DISTURBANCES			
(FIT = excellent, good, fair, poor; CON₹ = high, medow)	Fit and Confidence	a > 1,000 x plot size	type* severity**	yrs ago % of plot	t description	
Hydrogeomorphic class (WETLANDS ONLY):		□ > 100 x plot size	Human			
DEPRESSION	FirConr	⊂ 10-100 x piot size	Natural			
□ IMPOUNDMENT = Beaver □ Human :	Fir Conf	⊏ 3-10 x plot size	Fire			
= RIVERINE = Headwater = Mainstem = Channel	Fit=Conf=	□ 1-3 x plot size	Cut			T
= SLOPE (ground water nydrology or on a physical slope)	FireConf=	⊂ < piot size	Алітаі			
= FRINGING = Reservoir = Natural Lake	FiteConfe	DRAINAGE*	Other			
COASTAL (specify subclass)	Fire Confe	E Excessively dramed	**L=low, ML=med low,	M=med, MH=me	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	
⊏ BOG (strongly, moderately, weekly ombrotrophic)	Fit Conf	a Somewhat excessively	Current Land Use:			
Otto EPA VTBI Plant Community Class (WETLANDS ONLY):	<u>NTX</u> ;	□ Well dramed	Former Land Use:			
☐ FOREST = swamp forest = bog forest = forest seep	Fit=Conf=	□ Moderately well dr.	HYDROLOGIC REGIME*	EGIVE*		
□ ENERGENT = marsh □ wet meadow = open bog	FirConf=	□ Somewhat poorly dr.	⊏ Upland (seidom flooded)	Đ	⊐ Intermittently fĭooded	
□ SHRUB ⊂ simub swamp ⊃ tall sh. bog ⊃ tall sh. fen	Fit Conf-	□ Very poorly dr.	n Intermittently/seasonally saturated	ly saturated	⊐ Semipermanently ilooded	
MODIFIED NATURESERVE CLASS*		⊐ Impermeable surface	(seldom flooded)		□ Permanently flooded	
CODE (on separate form):	FireConf=	SALINITY*	□ Permanent(v/Semipermanent, saturated	lanent, saturated	☐ Tidal/Serche flooded gaily	
COMPACNITY NAVE:		⊒ Saltwater	(dry <1/yr, seldom flooded)	(papo	= Tidal/Seiche flooded monthly	
		= Brackish	□ Occasionally flooded (<1/yr)	<1/kr)	⊂ Tidal/Serche flooded irregular	
LANDFORM TYPE*:		o Fresh	⊐ Temporarily fĭooded		(e.g. wind, stormis)	
	· ·	C Upland (n/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	isional status, matu	ırıty, etc.)	
- Homogeneous						
□ Compositional trend across the plot						<u> </u>
□ Conspicuous inclusions						
⊐ Irreguiar pattern mosaic					-	
			w =			
						•
	,					
			-			

- OR (the way we came book) follow bridge treit beak to leave field well along and follow tril back out I point 3 close, then cot in. Park at Stables off Grayton (across from mastic woods golf course) THICK spice bush getting to plat, be sure to very eye protection

Right (South) side of field to smill took in Rock (East) follow their to base of slope and follow stope west to prot

