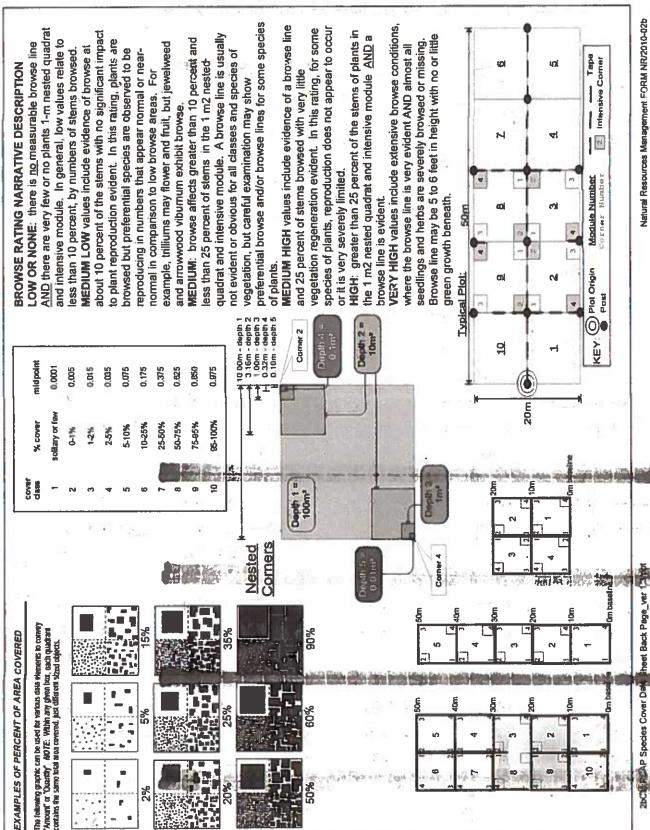
Project Label:	РСАР	Plot N	io: 1006		Cloveland Met	LANG
				Comment required if i	tem answer is NO	
Parking/Access outsi	de of Park Boundaries:	N	If yes, wi	rite details in Comments s	ection below	
Field journals comple	ated	N		45 45 50		
Site sketch made on	1:3000 map?	N (W		- 6		330
Check cover page	X-axis Bearing of plot recorded	N				
	GPS coords. Recorded	N (XX)				
	North direction recorded	N				
	Photographs taken?	N		11 21		
	Relocated Pins Mapped	N (S)				
Plot No., Date agreen	nent on all pages?	N (X)			C 240.	
Header data complete	ed all pages?	N				
Cover classes recorde	ed in all Intensive modules	И				
Browse Level By Spe	cies	(Y) N				
Woody stem quality of	75.V-	N	Check ev	ery line and cross check w	vith the Tree Cover	Sheet
Invasive plant quality	control check	YN	NIA	4		
Ash trees mapped		Y N	N/	A		
in the second second	st/Pathogen Datasheet	YN				-
Cover by Strata? (con		YN		-45	7	
	d with matching plot #.	Y N	MI.	A		
Cross check 2010 inf		(A) N	Highlight	any changes from 2010 in	formation	7
	datasheet with initials and number	N N	ragingin	any changes from 2010 in	normation	
Vouchers labeled on		(V) N			-44-	
Pink flags removed	conection bag	(y) N	RACCI	LING LEWITER	COT L	11 7015
Data sheet QA before	Lanning cita?	N C	Dicie	Legater.	P40	1 (2.5)
Common equipment		(Y) N				100
Data sheets scanned?		6/19/15	P . 1		77.	-
		COLL ALC	Einer date	1000000-000		_
Final data sheets scan		-	Enter date	to lett		
Buffer Widths measu	red?	Y			AND RELEASE TO SERVICE	- 49
Web Soil Survey	In co.	1				- 1-
Voucher Location	Refrigerator	- C	omm	waita		
(# vouchers collected)	Press (#)			(A)		-
ACL	Drier	Y - (	).	aks 7		-
2010-1	Identified		110	aks !		
JOHRY	Mounted	+				-
1,00	Thrown away	1				-
GRTS noint verifica	tion: Is plot sampleable?					
es	Original GRTS point is sampleable		1	1 . 18	f1 1	
□ No	Original GRTS point lands in a non-			onter une	Tlagged	
D 140	Point falls in a water (i.e. river,	iake)		40	JU	
	Managed mowed area (i.e. golf	course.	¥70	ontor line 115-6105 p Wro	14	
	□ Paved area (i.e. parkinglot, road)			1.10	V101	
	Unsafe to sample (i.e. steep slop	c)		(010	7	2
	D Other	_				Ni-
Additional Commen	is:					
PARK	ON OAKWOO	o c	Г.			

	OVER	1997	*Definitions and values in CM PCAP FOM v. 1.0 and CVS Fichi Guide	Minimum required fields in Bold and Underlined
	bush.	committed by spicebush		
			Random G Straufied Random G Transect component	TAXONOMIC STANDARD
	ch. Shrub layer	Yellow Birch Shru	Plot placement: weRTS   Representative	lichen
	and and		Photo Nos.: 064	byo
	Brech Red Oak and	Black Gum Brech	Camera No.: 3	vascul. n/a
	a Ked Maple	Correct Se case	Intensive modules: 2, 3, 8, 9 FENT IF MODUMED	high modera. low not smpl
	000		Depth: (1-5): 4	TAXONOMIC ACCURACY
	r disturbances,	present tem other	X-axis Bearing of plot: [ 8 ]	- Hurried data
Ĭ	or wase	Swamp TONST.	Plot size for cover data: (hectares)	Accurate may still provide good
	as Contt	Silver Comment Silver	GPS File Name: 1006 A	wery thorough how much effort put into
	High quality	Veg. Unavacteristics & High quality	Coord. Accuracy: com of f	Effort Level: subjective evaluation of
	- Jampie		Langitude: 81-96-09 81.95910	SAMPLING QUALITY*
	CAP	Kationale J GRTS . PCAP we some lo	Latitude 41.40915 41.4087	D Perm. water D Paved D Slope D Safety
		0 0000000000000000000000000000000000000	$x = O y = O $ (base of plot $x=0, y=0$ ) ) $\downarrow S$	PLOT NOT SAMPLED: 0 Other
		of Coleman Dr	GPS location in plot x=0 to 5, y=1,0,+1): SLE	** Roles: Co-leader, Asst. Geride, Owner, Taxamouri't, etc.
	ely 350 m east	Location Approximately 350 m east	Datum: ■ NAD83/WGS84 □ NAD27	
		9	□ Other (specify) ■ m □ tt □	T. Bostic Crew
		Layout > 2x5	■ Lav'Long □ UTM □ StatePlane ■ deg □ deg min	M. Busam Crew
1	Additional notes in space on back.	dominants, strata, BROWSE). Additional notes	Coordinate system: Coord. Units	D. Sweet Bot. Ast.
	clerization (description of community	NOTES: Include Layout (any unusual shape details), Location (directions and landscape—content), Rationale (why here), and Vee Characterization (description of community	Source of coordinates OMAP GPS	A. Lance Plot leader
Had	"	key: (0.0) point point	If data not public why?	Party Role**
4.4 cm	3		Reason:	End date (if > 1 day): / /
Cak =	#3 #4 #5	**	a Fuzz 100m a Fuzz 250m a Fuzz 500m	Date (mm/dd/yyyy): 06/15/2015
Switte	X	1 21	Check one: Dublic data Drivate Data	Level 5 (nested corners sampled)
	2	2 12	Data Confidentiality:	D Level 4 (no nested corners sampled)
	117 116	plot: #10 #9	Landowner: CMP	Flot No.: 1006
	A	2.10	Oakward Dr.	wet woods
	* population	*	lames:	Plot Name:
12	York Fern		angle: North C	Project Name: 028w2015
	The state of the s	, a	State: OH County: Cum aloss	Project Label: PCAP
		\	LOCATION	GENERAL INFORMATION
	Page 1 of 2	nd Data Sheet	CLEVELAND ME INOPARKS Plant Community Assessment Program - Background Data Sneet	CLE VELLAND ME INOTARNO Plant Co
				CI EVEL AND METBORABUS DISTANCE

1bCM PCAP Background Data Sheet Page 2\_ver 2.xls last revised 5/29/2012 ceh

MODIFIED NATTIRESERVE CLASS*  CODE (on separate form):  R  M-10  M05	,						
5			DISTUI	DISTURBANCES			
	Fir Conf		type	severity**	yrs ago	yrs ago % of plot	description
1			Human				
	*		Natural	1			
COMMUNITY NAME:	In K-M. Ole Swamo		Fire			ga- .6	
	4		Cut				
Hired duamp ton	est-		Animal	MH	0	100%	Browse
UTTAMECORYCE			# =   outer	of bame ly	w Memed	MH=med	Outer
Compositional frend across the plot	ind across the plot		Current	Land Use:	ZRK.	- 600	Current Land Use: PARK - COUSERVATION
clusions	Posaic		Former L	Former Land Use:	UNKNOWA	Lymor	
	HYDROLOGIC REGIME*	GIME*		H	11		
	n Upland (seldom flooded)		- Intermittently flooded	papor			
SALINITY*	Mutermittently/seasonally saturated		□ Semipermanently flooded	y flooded	- 40		
n Saltwater	(seldom flooded)	о Рет	□ Permanently flooded	pope			
	□ Permanently/Semipermanent, saturated		□ Tidal/Seiche flooded daily	oded daily			
Fresh	(dry <1/yr, seldom flooded)		/Seiche flox	☐ Tidal/Seiche flooded monthly	_		
The Polarical (n/a)	□ Occasionally flooded (<1/yr)		//Seiche flox	Tidal/Seiche flooded irregular	-		
	a Temporarity flooded	(c.g.	(e.g. wind, storms)	ms)			
(by default unless plot is a wetland)		n Unknown	nwor				
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	s of plot to the stand, succe	essional status, maturity, etc	(i)			-	
Herbaceous layer	- includes	mayappi	٤,	green	متما	ر د .	anada May Flow
small population.	of starfle	wer and	New	1502	رم	. 5	Area is
seasonally flooded in the low lying sections.	of In the	low lying	Sec	Frons			
K. Kara Jan. S. S. S. S.		S Haveston					
Note: Mosouitos are extre	Mel	abundant	4	1			
The state of the s	1	A reserve					

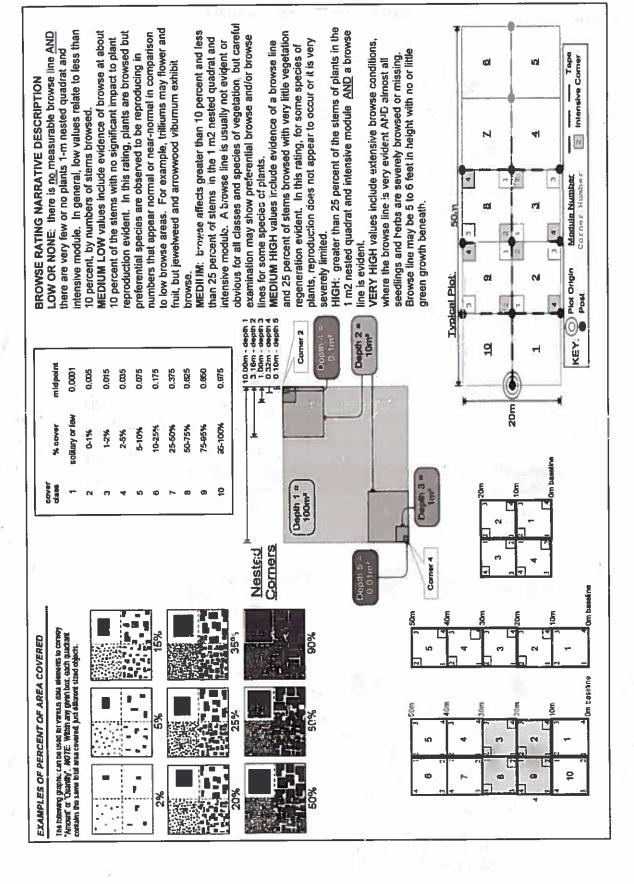
c vo	CLEVELAND MET Project Label: Total modules:  Cleveland Metropaks	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label:  PCAP Project Label: PCAP Project name: QABWAOIS  Intensive modules:  Intensive modules: Intensive modul
Initialization tulipitera  Initialization tulipitera  Initialization tulipitera  Initialization canadense  Initialization pensilvanica  Initialization triphythms  Initialization  Initialization	CO DIME	Smilax ratura Lindera benz Swerax sp. se Swerax sp.
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260	13 (8)	uad wma
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	y 22	Dioscopia villosa Acer rubrum
	وعدو	8 Viburnum aceritalium



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Natural Resources Management FORM NR/2010-02b

Cleveland Metroparks CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet Strata - Cov. entire plot Total modules: Project Label: S H (F)(A) Br 5 Betula of leginar Carex Supply (Specifical) Rubus flagell an's ana corditornis Syans allegheniensis nectalis poreal Inknown dicot describe amount of browse per species over catalogus 50 Br = Browse Level. Use cover classes to helyptens novaboratens ledeola virginiana navon nastata lleonaniensis Species : destinalis entire plot 0 PCAP ican n Intensive modules: %unveg. ground (bare soil) Estimate for each intensive module: %unvegetated open water MULZET Xunveg, litter (bare litter) C3-061 40788 rclast (3-065 de Project name: Oaluao15 Voucher# %open water depth 9;2 T g cov i depth ş Plot configuration: mod comer ğ 9 ş Plot no.: ş ş dept cov i depth Plot area (ha): ş ğ Page & of 3 ş 2 ş ğ depa PI 7 1, 79 7



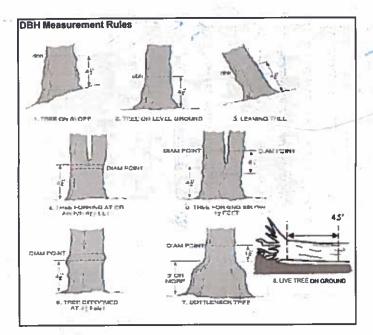
PCAP TREE Species Cover Data sheet.xis last revised 6/10/2015 jjm

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		23-														Prensence of tree	Project name:	1
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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Hagus grandfoli Ace Rubum Photos sorotura Explain subsample (additional room on back) HOR SOFT OUTO CONTRACT and mount WASH SAINETEN STREET ONLINE emilax rotordifela Frans Cyroddyfa J. Proces States & Constant FOOK OKINGER A PARTO WOUNDIN ADOCH PORTO Ace Rydown nova paran WAY SUCCESSION part charge stage 23/HOYING 185 betrobenzon SOLVENICO ! Project Label: PCAP voucher# N Q : = d 6 prowaed 91.4m Sterns or super Project Name: 028 N 2015 Plot No.: 1236 clumps # size class (cm) woody stems >1.4m 7 1-<2.5 2.5-45 5-<10 10-<15 15 - < 20 20 - <25 Page: 25-<30 30 - <35 35 - <40 Porcland Metroparks 5 8-09 020,020 100 H'hb 570 67.4 >40 (record each tree)



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

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.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered.
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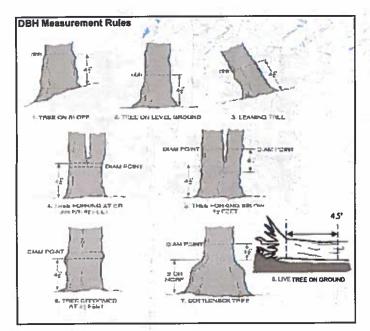
E

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	Project Label: PCAP Project Name: COSM ZOS Plot No.:\		PCAP		Project	Name:	NELL	Project Name: OZBW ZOS	VI	Plot No.:	900		⊃age:	N	o <u>,</u>	<b>3</b> L	etand Metroparks
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mod *	species	σ .	voucher#	stems 0-1.4m browsed	% sub or super	shrub	ize class	(cm) wood	size class (cm) woody stems >1.4m	1.4m 4 5-<10	5 10 - <15	15 - <20	7 - <25	25-<30	30 - <35	10	11 >40 (record sect tri
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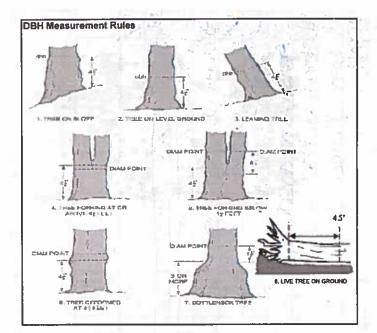
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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Soulax XCH rated ABY JOHN SIMPLE STORES Explain subsample (additional room on back): Smitax robodicition DENT YELLOW YOUR NEW OFFI And And and hersp Children Andrew Ships had add smark Aler robum DIPANS DAY Vibernum contain INCOLO LALLON Audicia logoza linctoid benzon Honoling dead Sulpenocion is COLD DELCON PANA PARTY Project Label: Quoque jo voucher# browsed 0-1.4m 6 Storms 6 6 or super % sub Project Name: SZ BW 7(2) clumps 1 shrub size class (cm) woody stems >1.4m 2 1-<2.5 2,5-<5 Plot No : 1000 5-40 10-<15 ٠ 15-<20 20+<25 Q Q 25-<30 30 - <35 35 - <40 5 8 **B S** >40 (record each tree)



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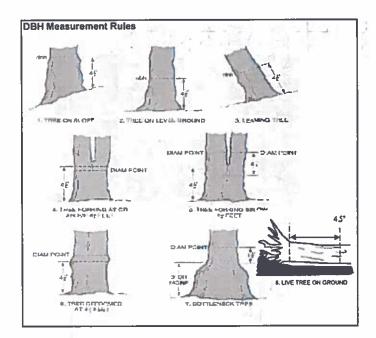
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# CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection/	Rapid response		to a	Pres	ence		GPS	
			NE	SE	SW	NW		Presence
Microstegium vimineum	Japanese stiltgrass							X: yes
Ranunculus ficaria	Lesser Celandine	ТП	-			F- 1		
	Black Swallow-wort				C. In			
Butomus umbellatus (wetland)	Flowering Rush	0.00		11 11		- 11	5 1 0 E   Gal	0 2 1
Heracleum mantegazzianum	Giant Hogweed							1
Tier 2: Assess a				# of	Plants		comments	
		200	NE	SE	SW	NW	2000 - 2011	# of Plants
Acer platanoides	Norway Maple		1			7		1: 1-10
Ailanthus altissima	Tree of Heaven					7.7	<del>7501</del> 2 5 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	2: 11-50.
Lonicera japonica (vine)	Japanese Honeysuckle				-			3: 51-100
· · · · · · · · · · · · · · · · · · ·	Purple Loosestrife			1 - 2			TOTAL TOTAL	4: 101-1,00
The state of the s	Bishop's Goutweed			100				5: >1,000
Celastrus orbiculatus (vine)	Asian Bittersweet				<del>                                     </del>			7
Torilis sp.	Hedgeparsley		-	1	1	$\vdash$		┑
Conium maculatum	Poison Hemlock							╗
Rhamnus cathartica		(shrub)			100			┪
Berberis thunbergii		(shrub)				1 15		2.5
Alnus glutinosa	European Alder	(3111,00)						┪
Dipsacus laciniatus	Cut-leaf Teasel	Sal III	-		+			
Elaeagnus umbellata		(shrub)			-			╡
Lonicera maackii		(shrub)			-	<del> </del>		<del>-</del>
	· · · · · · · · · · · · · · · · · · ·	(Siruo)		_				$\dashv$
Euonymus fortunei	Wintercreeper		(District)	44 - 2	Plants	11.5		Sec.
Tier 3: Presence is	or interest		NE	SE	SW	NW	comments	# of Plants
C	Title of the Mellow		IAE	36	1244	1444		1: 1-10
	Lily of the Valley			-		<del>                                     </del>		2: 11-50.
	Crown Vetch	/ - l (l- )		-				3: 51-100
Eleutherococcus pentaphyllus		(shrub)			-	-		
· · · · · · · · · · · · · · · · · · ·	Japanese Pachysandra	(-L1-X			┼			4: 101-1,00 5: >1,000
Philadelphus coronarius		(shrub)			-		*·	5: >1,000
Pulmonaria officinalis (G-cover)				-	-	1	<u></u>	-
Rubus phoenicolasius	Wineberry			-	-	<del> </del>		-
Iris pseudacorus (wetland)				-	-	╂┈═╂╸		
Ornithogalum umbellatum	Star of Bethlehem			-	<del> </del>			_
Viburnum opulus var. opulus	<del>,</del>	(shrub)		-	╄	+	<u></u> .	_
Viburnum plicatum	Doublefile Viburnum (	(shrub)						×.
Tier 4: Widespread	and abundant	-			sence		comments	
		-	NE	SE	SW	NW		# of Plants
Alliaria petiolata	Garlic Mustard		<u> </u>	₩	$\vdash$	+		1: 1-10
Ligustrum vulgare	<del>•</del>	shrub)		_	<b>!</b>	<b> </b>		2: 11-50.
L. morrowii, L. tatarica	Bush Honeysuckles (	(shrub)			<u> </u>			3: 51-100
Phalaris arundinacea	Reed Canarygrass			1	$oxed{oxed}$		<u> </u>	4: 101-1,0
Phragmites australis (wetland)	Phragmites			75				5: >1,000
Polygonum cuspidatum	Japanese Knotweed							
Frangula alnus	Glossy Buckthorn (s	shrub)						
Rosa multiflora	Multiflora Rose (	shrub)						
Typha angustifolia, T. x.glauca	Cattails (wetland)		100					
	The state of the s							
Cirsium arvense	Canada thistle							
	Common Teasel			1	$\top$			
Cirsium arvense						H		

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

CLEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheet mod# ಕ 6 8 Shrub Herbacous Tree Strata Explain subsample (additional room on back): Project Label: Total % voucher# NONE PRESENT PCAP or super sample % sub clumps shrub Project Name: 030m 2015 size class (cm) woody stems > 1m \* Write None Present if no evidence: <u>7</u> -Beech (Fungus) -Hemlock (HWA) -Walnut (Thousand Canker) 1-<2.5 2.5-<5 5~10 Plot No.: 1006 -Asian Longhomed Beetle -Other Forest Pest or Pathogen 10 - <15 15 - <20 20 - <25 25 - <30 Page: 30 - <35 (2) Cleveland Metroparks 35 - <40 >40 (record each tree 으 6

=

					c		(			ПТ
		1	-	-	A	H	4	2	2	~
		7	)		51	1	0	9	*	^
		6	0		Ŧ	7	0	0	W	1
		6	9	7	6	EL.	SATO A	O		
	(rank)	(rank)	(count)	(count)	(count)	(count)	(count)	(count)	mod# cerner	
	10x10m	10x10m	10x10m	10x10m	10x10m	10x10m	3 16x3,16m	lxlm		Т
۰	SLOPE	depth 1	depth 1	depth 1	depth 1	depth i	depth 2	depth J		
							uplands (Tip-Ups)			
- 44-		interspers.	×10 cm	(12-40cm)	(2-12 cm)	depressions	hummocks	iussocks		
	microhab.	microhab.	c.w.d	cwd	ew.d	по тасто.	no. of	no. of		Н
Medule		9	ninimum 1m lengt	c.w.d count for pieces with minimum 1m length	c.w.d cou					
CROWN CO	11-10-	Stope 3 = maximum steepness that can be safely sampled ~45°	um steepness that c	Stope 3 = maxim	tope ~20 °	Stope 2 = falls on stope -20 * n, of low quality	wetland wetland corrections  wetland	rade a cross module (h maily absent from the etland in very small an	spec 1 = slight eleveranial grade across module (hill)  Stope 2 = falts on stope -20*  resture is absent or functionally absent from the wetland  resture is present in the wetland in very small amounts or if more continion, of low quality	
		(1-3) to begin + any fe	ased on sleepness	stically gets ranked b	i falls on a slope automu	Auto salopo	ri self stere for the inches	C FEATURE COU	MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only  Names for microhabital features. Soled one or seled two and everage the score.NDTE: If mod fals on a slope automatically gets ranked based on steepness (1-3) to begin + any features present	R MIS
		Fil= Conf=	uil sh fen	mp o tall sh. bog o	a SHRUB a shrub sweenp a tell sh. bog a tell sh. fen					ĺ
** Terrain Shape Index		File Confe	open bog	h in wel meadow: in	n EMERCHENT o marsh to wel meadow: to open bog					
+315 degree			CAETLANDS ON	Community Class	Ohis ETA VIBI Flant Community Class (WETLANDS ONLY)					
+ 270 degree		Fit Conf	rotrophic)	raich, weekly and	a BOG (arrangly, moderately, weekly ambrotrophic)	10				
+225 degree		Fit- Conf-		iubclass)	COASTAL (specify subclass)					
+130 degree		Fit Conf		voir to Natural Lake	o FRINGING DRESERVOIR D Natural Lake	0				
+135 degree		Fit Conf	sical slop)	by drology or on a phys	a SLOPE (ground water by drology or on a physical slop)					Г
+90 degree		Fil Conf _	Channel	vater o Mainstein o	o RIVERINE o Headwater o Mainstein o Channel					Т
+45 degree		Fit- Conf-		Beaver o Human	DIMPOUNDMENT D Beaver O Human					Т
At aspec		Fit=Conf=_			DEPRESSION					Π
			STATE	O SCHWITTANDE	transperentation to the contract of the contra					Т
IFILLED OUT USING				Confidence	FIT = excellent. Fit and Confidence		Corner Corner	C7	Module #	₩oc
McNA9 INDICES				Ž	CLASSIFICATION		7-check when	E score calculation.	nu i in cip poss (2432 cm) from corners i and 3 it each them module. Required for VIBI-E score calculation. C?=check when collected	<u>2</u>
		100					t wetlands): collected	equired for emergen	STANDING BIOMASS (required for emergent wethands) collected	1

# McNAB INDICES (degrees) + for up - for down

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

Project Label: PCAP Project Name: 07.894 7045

Plot No.: 1'OOG

Page: 1 of 1

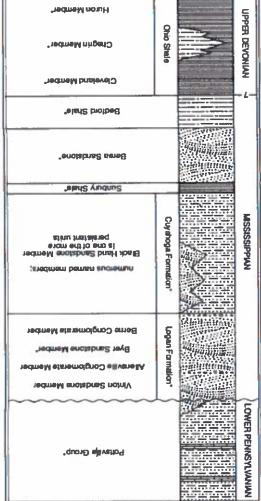
ition within fandscape)
(sile microtopographic shape)

WN COVER (BENSIOMETER): Make 4 aggree module facing N. S. E. W. Place dot count it is processed for the second of the second of



Pelkh Messurements	, we r
in HBO mo 5.5> es no fleight m 4.1 of qu es	Iunds to aginilbees ebuloni oals nsO** s benileb nefto ens aginilbees eenT*** Ahich case they would span the hert
	"Very tall shrubs are sometimes inclu
Submerged	Aquatic (submerged)
Ploating grideol	Ploating
Herb, dwarf-shrub**, tree (seedling***)	Herb (Field)
Tree (sapling), shrub, liana, epiphyte)	(m č oj č,0 vilsneneg) dundā
Tree (overstory), very tall shrubs", liana,	(m č< vilenenali) 991
MRO1 JARAN30	MUTARTS
L-C.	COVER BY STRATA

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
napdame turg	uvdzeskus
Noz de La Company	bounim
f furest o regarile	litter orgunic
<u>^</u>	
Signature Model Mo	



THURE 3-00.—Generalized section of Upper Devousan, Ministeppener, and Lower Femerytzman Intractions in northeestern Alministeppener, and Lower Femerytzman intractions and control of the Amerytzman Intractions and the control of the analysis of the analysis of the American International Libe street International Libe street Weisseld and College and Weisseld Street Libertan and Weisseld Street Street College Street Libertan International Libertan Internatio

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Blomass Data Sheet 6a Project label: PCAP Plot No.: 1006

Project Name: OZSSW 7015

Cheveland Metroparks

Page: 1 of 1

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

Soil pit module # \_\_\_\_ (one per entire plot) 5 cm тавти сою mottle ottle color

20 cm matrix color nydr. cond. \*\*\* edox features\*\* SMD

icature. coud roots

lexture stoor prixe

ottle color

redax features\*\*

hydro. cond \*\*\* I S M D

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

indundated S-saturated M-moist D-dry

otes: include evidence of sarthworms (worms

Cashves page

3- No womes

STATES AS TO NOW - 8

refer to texture classes on reverse side

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

COVER BY STRATA

×

cord as >30

- Inter

2 litter

water depth 9

depth sat

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

Soil Collection Modul Harizan (A. B. C)	9
2,3,8,9 composited	>
Web Soil Survey Informations	
Soil Series/Type:	
Soil Scries Source: Ohio Soil Survey	
Landform type:	
Depth to rest. Layer:	
Parent Material	
DEALNAGE*	
a Excessively dr. a Somewhat excessively	pessively
Well drained	vell dr
Somewhat poorly dr.      Very poorly dr.	orly dr
u Impermeable surface	

and a second	••• >5 cm in diameter	**Boulder => 10 in	* Gravel-Cobble = 1/16-10*	Bedrock	Boulder**	Gravel-Cobble*	Mineral Soil	Histosol	(News - 100%)	Underlying Earth Surface	EARTH SURFACE & GROUND COVER
refer	eter	ľ	1/16-10"	07.	27,	07.	987	3	percent	Surface*	E & GROU
Other	Rond/Trail	Bare Soil	Waler	Bryophyte-Lichen	Duff (Fern. + Humus)	Liner	Fine Woody Debris****	Cuarse Woody Debris***	(Euch \si 100%)	Ground Cover	IND COVER
	(	200	A	2				Ì			L
	0%	24	0%	2%	0%	X57°	7%	77%	percen		

5 Bridle
5 Hiking sanctioned

Bootley unsunctioned

Gravel

Dear

ype

%Caver

All Purpose

RAIL INFORMATION

SOUTE

scord type and cover for each

estimate usi	estimate using midpoints of 5,ex:3, 8, 13	exc3, 6, 13
Strata	Height Range (m)	Total Cover (%)
Tree	5.	937.
Shrub	5.50	389
Herb	5 0	33%
(Floating)*		41
(Aquatic)*		
"moted and fo	roofed and soaking or slightly emersed	ž
"submersed,	** submersed, most plant mass below surface	v surface
SEE BACK OF	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.	L'STRATA RY BY COVER TYPE

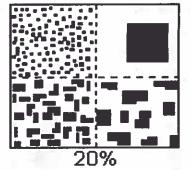
- < plot size	o 1-3 x plot size	0 3-10 x plot size	o 10-100 x plot size	100 x plot size	azes pold x 5000 =	STAND SIZE	
				101		_	

a Mo wams of Landform\_Standing Biomass\_Data Sheet\_ver 3.xls tast revised 6/4/2012 och Carshva

PERCENT MOTTLES (USE CLASS CODES):

Class	С	ode	Criteria: % of		
	Conv.	NASIS	Surface Area Covered		
Few	ſ	#	< 2		
Common	C	#	2 to < 20		
Many	m	#	≥ 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.

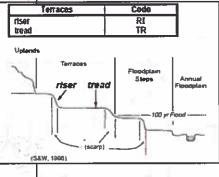
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microleatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains;

NASIS

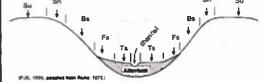
a.g., (for Hills) nose slope or NS.

head slope nose slope side slope base slope	HS NS SS	HS NS SS BS	
	Hadd slope	11/2	
1	Note slope		
Manual Migher	Order Street		



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
toeslone	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.