		_	Inm	ol Form	© Cleveland Met	4
Project Label:	РСАР	Plot No:	[CO3_D	ate Sampled: _	26 (6 (5 Lend: 1	ANCE
			af -		ed if item answer is NO	
arking/Access outsid	de of Park Boundaries:	Y CN	If yes, write do	tails in Comme	ents section below	
Field journals comple		(Y) N				
Site sketch made on 1		YN				
Check cover page	X-axis Bearing of plot recorded	YN				
	GPS coords. Recorded	(Y) N			<u> </u>	
	North direction recorded	N				
	Photographs taken?	YN				
	Relocated Pins Mapped	Y N				s_ 317-3
Plot No., Date agreem	ent on all pages?	N (S)				
leader data complete	d all pages?	Y N				
lover classes recorde	d in all Intensive modules	(X) N				
Browse Level By Spec	cies	(P) N			,	
Woody stem quality c	ontrol check	Y N	Check every li	ne and cross cl	neck with the Tree Cover	Sheet
nvasive plant quality	control check	Y N	N/A	_	*	
Ash trees mapped	6	(Y) N	,			
Completed Forest Pes	t/Pathogen Datasheet	Y N				
Cover by Strata? (con	firm cover type)	(P) N			A.7 40	
ioil samples collected	with matching plot #.	Y N	NA			7
Cross check 2010 info	ormation	YN	Highlight any	changes from 2	010 information	
ouchers labeled on d	latasheet with initials and number	N (Y				
ouchers labeled on c	ollection bag	N				
Pink flags removed		W N				
Data sheet QA before	leaving site?	(Y) N				
Common equipment r		(Y) N				
Data sheets scanned?		6/19/15	Enter date to I	eft		
inal data sheets scan	ned?		Enter date to I			
Buffer Widths measur	· · · · · · · · · · · · · · · · · · ·	YN				
Web Soil Survey		YN				
Voucher Location	Refrigerator	(Y) N			5,07	
# vouchers collected)	Press (#)	<u> </u>	Enter numb	187		
ACL	Drier	Y N	Control Hamiltonia	LITT COM	in 2015	
_	Identified	YN		a comment	in 2015	
289-	Mounted	YN	- /			
292	Thrown away	YN		n. 11	Har Rubi	um - lemo
	Temown away	1 14		INFO DI	Out to	34 notin
CDTC malma	tions to allot completel-0				Har Rubi	$\gamma l_{\alpha t}$
	tion: Is plot sampleable?					Piol
no Yes	Original GRTS point is sampleable		7.5			
□ No	Original GRTS point lands in a non-		Il in category	0		
	□ Point falls in a water (i.e. river, □ Managed mowed area (i.e. golf		it of med	d020	sample	
	Paved area (i.e. parkinglot, road)	course, pienie area, ngl	R-SI-WBYI	OL	case check	traes
	Unsafe to sample (i.e. steep slope	:)	*	7 (to 2010 do	
	□ Other				40 min 00	· ·
Additional Comment	is:	.=				
		T .				

* *

(by default unless plot is a wetland)

o Brackish

O Fresh . .

SALINITY*

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label:

MODIFIED NATURESERVE CLASS*

Beech-Mople Forest

COMMUNITY NAME:

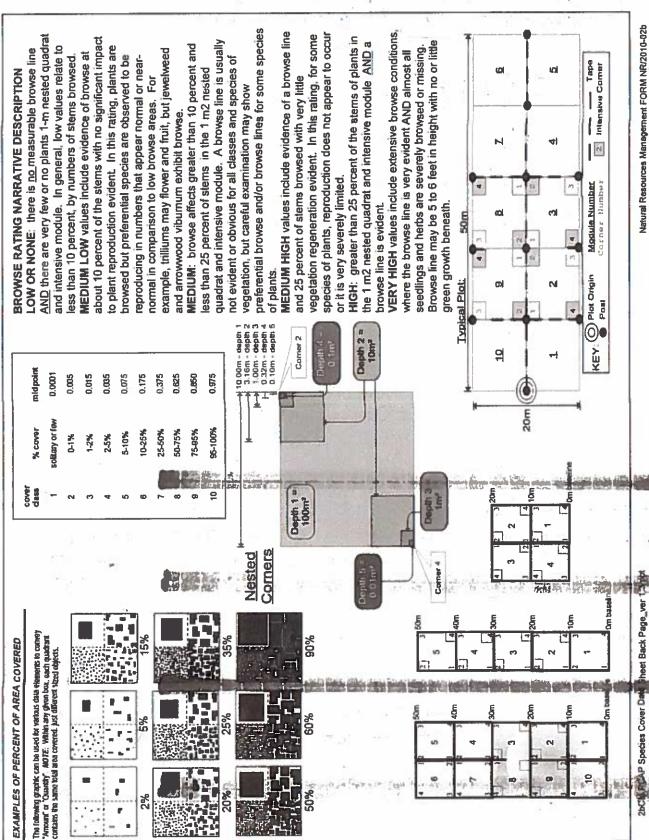
O Irregular/pattern mosaic

Conspicuous inclusions

[m] lomogeneous

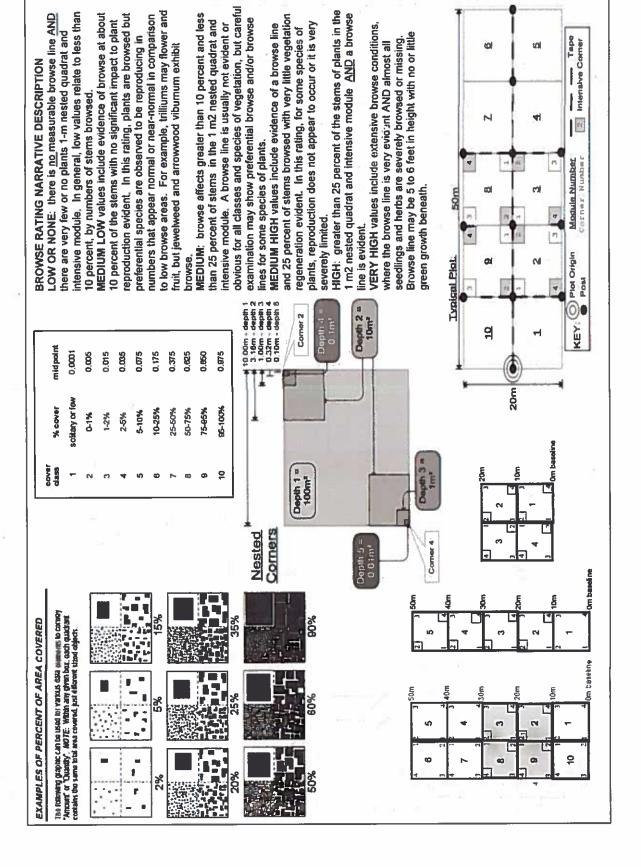
HOMOGENEITY

Project Label:	Project Label: PCAP Project name: 02ms	Project name: 02ms	oams		Plot no.:	1003			
Total modules:	10	Intensive modules:	li 🦠	Plot configuration:	es l	×V	문	Pkct area (ha):	-
	Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot	Estimate for each intensive module. %open water	A voc dista	mod comer mod	2 2 2 CONC	sov depth	Ansa upres Aca	oov depart con a	med comer mod
T S H (F)(A) Br	3r Species	c Voucher#	dapith cov d	depth cov dep	th coy depth	cov depth	cay depth o	Neo (alde)	depth cay depth
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	tund its								
Q)	endron rad		2	w	93			ン -	
9	Parthenocissus quinquetolia	8	9	î	,	5			
2	Traxiaus sp. seedling		<u>ه</u>		ne.		8	- R	
ادو	Cornus Florida		w			>			
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2	7 WHS aestivatis			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	かとと				
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- 9	introduce tenens	12-072			- 9				
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<u>ຍ</u>	Circaea lutetiana					3	ש		



Natural Resources Management FORM NR/2010-02b

Project I ahel:	Project Shelt Project name: 1/2 M < 2010 Project name: 1/2 M < 2010	nent Program Speci	es Cov	/er Dat		ě	2	3	5	12					Pag	k ·	Page 2 of 2	4	1
Total modules:	10	Intensive modules: Plot	4	P 2	Plot configuration:	gura	tion:	ion:	2×5	1			Po	are	Plot area (ha):		-	1	
9		Estimate for each	N I	mod comer mod	Comer	μ	t i	N B	91 a	Dom M	COMP.	corner mod	J R	Com	C com	o mod	R	Common 1	⊼ mod
3	Br = Browse Level. Use cover classes to	intensive module:	diggs 9	cav depth	8	ğ	8 V	depen	9	depth	S V	depen	ğ	depay	-		440		de per
Cleveland Metroparks	describe amount of browse per species over	%unvenetaled open water	1			-				_ -	3				$^{+}$		4	+	
		%unveg. ground (bare soil)	-	,		-				-	П				Н			H	
S H (F)(A) Br	3r Species	c Voucher#	g S	depth depth	8		§		8		§		g			-+-		9	
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<u>ي</u>	Oryopteris carthusiana		Ţ								S)	2		100		100			
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	Viola hastata			+	l -							Ť-				رد د	٧		
	Froxinus pens			H						$\ \cdot \ $	П				#	+			Ш
	Hackelia viraniana			-													88		
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	Caryo sp. seedling			-	Ž.						П					1000			E
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		180								100						╁		- V	
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% COVER CLEVELAND METROPARKS Plant Community Assessment Program Tree Cover Data Sheet Strata - Cov. entire plot Project Label: ∞ ₽ Acer saucharum Maximus Heer rubrum ragus granditalia Istrua vidainiana Traxinus Bentifluanica ilia americana mus amenicana Species Species (X) 3.34 Project name: 02452015 Voucher # Plot no.: 1003 Page __ of __

PCAP
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Page

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3			55.9											54.5,		200			4,65	11 >40 (record each tree	See 7-1-1	Ü
			To par	1000	ust.		La ins		100			100	iga.	19.8					3	lach treej	4	

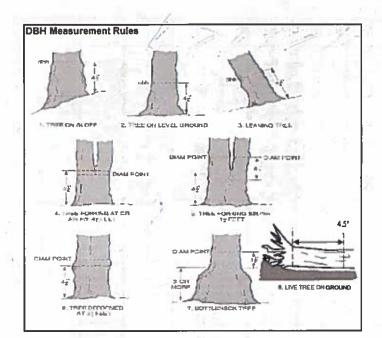
Standing dead

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:1

Fagus granifolia Arer Sacchanm

Irons ameniana



Woody Stem Deer Browse

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.
- 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.
- 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 (lowest branch) on the trunk.



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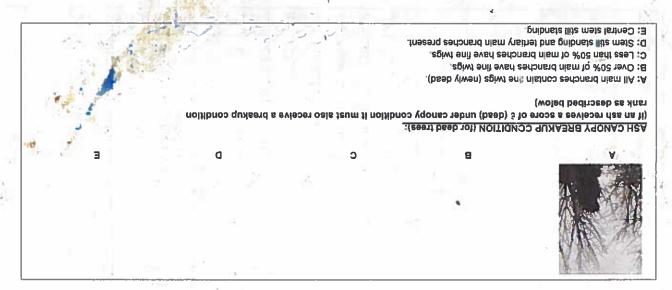
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- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

TAYLOR + MONICA Oblie/2015

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Standing dead A Acet About Lagus arandifolia OSTAYA VI KAMARA Explain subsample (additional room on back) acer Saccharum Fagus grandifolia ACE MOUNT Acer Saccharum Sanding dead waydury 43 y Arer Societarym AGENT CUIDONIA grandifolia Project Label: browsed 0-1.4m Sterns or super % sub Project Name: 02MS 2015 shrub size class (cm) woody stems >1.4m : 1-42.5 . 2.5-<5 . 9 Plot No.: 1003 5~<10 0 10 - <15 15 - <20 20 <25 25 - < 30 30 - <35 35 - <40 >40 (record each tree)



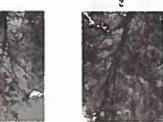
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NOITIONO2 YGONA2 HEA

(lowest branch) on the trunk,

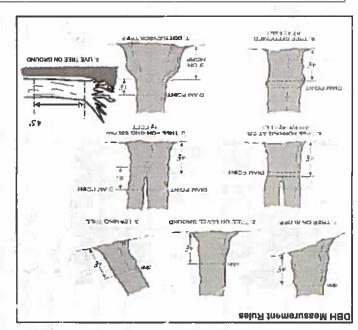


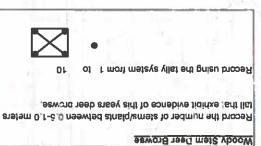












CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Label: PCAP Project Name: DINS 2015 Plot No.: 1003

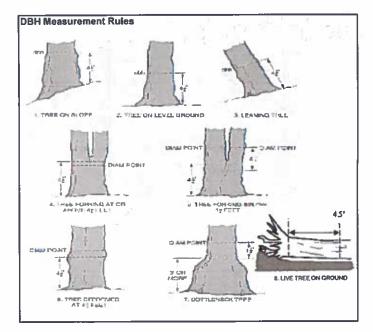
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	- Zoli									Tilia america	Lindera beni	Standing lead	Carya Godilo	Acer Suce	Carpinus Caroliniano	Fagus grandifolia	Acer Sacharum	Fraxinus Densylvaniu	Souther 1	Ace rube	. Faraus arand	species	
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3aCM PCAP Natural Woody Stem Data Sheet ver 2.0.xls last revised 5/29/2012 jim

Natural Resources Management FORM NR/2010-03a



Woody Stem Deer Browse

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 1













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- E: Central stem still standing.

Tithe Species 3 c Voucher Cent Polit contain Seat Femorite Woodpeater In Frankinus Sp. 39 D S D S D S D S D S D S D S D S D S D	ID. Species By C Vouder By CBH MG As The Beauth Whodesday I Frakinus Sp. By D By							21		T						_		V.							0	دن	Module
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	9 naive module numb					Map all ash tree							8	rselli	18		9			*** Change inte							

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



			75				-1	1
Tier 1: Early detection	/ Rapid response				sence	1277724	GPS	
	1		NE	SE	SW	NW		Presence
Microstegium vimineum	Japanese stiltgrass			-	├	-		X: yes
Ranunculus ficaria	Lesser Celandine		<u> </u>	-	-		· · · · · · · · · · · · · · · · · · ·	-
	Black Swallow-wort			-	\vdash			-
) Flowering Rush		_	-	 			-
Heracleum mantegazzianum	Giant Hogweed		_	1				
Tier 2: Assess a	is Needed			_	Plants		comments	u e es
			NE	SE	SW	NW		# of Plants
Acer platanoides	Norway Maple			-	-	\vdash	1	1: 1-10
Ailanthus altissima	Tree of Heaven				-	-		2: 11-50.
Lonicera japonica (vine)		2		-	₩	\vdash	· · · · · · · · · · · · · · · · · · ·	3: 51-100
	Purple Loosestrife	7.2	<u> </u>	ļ	107	\vdash		4: 101-1,000
Aegopodium podagraria (G-cover)			<u> </u>	╄	ļ			5: >1,000
Celastrus orbiculatus (vine)				<u> </u>				4
Torilis sp.	Hedgeparsley		_	_		1		4
Conium maculatum 📑	Poison Hemlock			1	_	 		4
Rhamnus cathartica	Common Buckthorn	(shrub)		 	<u> </u>	 		4
Berberis thunbergii	Japanese Barberry	(shrub)		╄				4
Alnus glutinosa -	European Alder			 		$\perp \perp$		4
Dipsacus laciniatus	Cut-leaf Teasel						*	4
Elaeagnus umbellata	Autumn Olive	(shrub)				\sqcup		╛
Lonicera maackii	Amur Honeysuckle	(shrub)						_
Euonymus fortunei	Wintercreeper							╛
Tier 3: Presence i	is of Interest			# of	Plants		comments	
			NE	SE	SW	NW		# of Plants
Convallaria majalis (G-cover)	Lily of the Valley							1: 1-10
Coronilla varia G-cover	Crown Vetch			<u> </u>				2: 11-50.
Eleutherococcus pentaphyllus	Five-leaf Aralia	(shrub)	<u> </u>		_			3: 51-100
Pachysandra terminalis (G-cover)	Japanese Pachysandra	3				\sqcup		4: 101-1,000
Philadelphus coronarius	Mock Orange	(shrub)				<u> </u>		5: >1,000
Pulmonaria officinalis (G-cover	Lungwort							
Rubus phoenicolasius	Wineberry							_
Iris pseudacorus (wetland	Yellow Flag Iris							
Ornithogalum umbellatum	Star of Bethlehem							
Viburnum opulus var. opulus	European Cranberry	(shrub)						
Viburnum plicatum	Doublefile Viburnum	(shrub)						
Tier 4: Widespread	and abundant			_	sence		comments	
			NE	SE	SW	NW		# of Plants
Alliaria petiolata	Garlic Mustard							1: 1-10
Ligustrum vulgare	Common Privet	(shrub)					***	2: 11-50.
								3: 51-100
L. morrowii, L. tatarica	Bush Honeysuckles	(shrub)					<u> </u>	
	Bush Honeysuckles Reed Canarygrass	(shrub)		 -				
Phalaris arundinacea		(shrub)						
Phalaris arundinacea Phragmites australis (wetland)	Reed Canarygrass	(shrub)						4: 101-1,00
Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum	Reed Canarygrass Phragmites	(shrub)						4: 101-1,00
Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum Frangula alnus	Reed Canarygrass Phragmites Japanese Knotweed							4: 101-1,00
Polygonum cuspidatum Frangula alnus Rosa multiflora	Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn	(shrub)						4: 101-1,00
Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum Frangula alnus	Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn Multiflora Rose	(shrub)						4: 101-1,00
Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum Frangula alnus Rosa multiflora Typha angustifolia, T. x.glauca Cirsium arvense	Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn Multiflora Rose Cattails (wetland)	(shrub)						4: 101-1,00
Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum Frangula alnus Rosa multiflora Typha angustifolia, T. x.glauca	Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn Multiflora Rose Cattails (wetland) Canada thistle	(shrub)						4: 101-1,000

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

YEV	だEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheet Project Label: PCAP Project Name: 03/NS 2015 Plot No.: 1003 Explain subsample (additional room on back):	t Community PCAP on back):	y Assess	ment Projec	gram F X Name:	orest P	nt Program Forest Pest and F Project Name: 03/N53-015	Pathoge	ens Data Sheet Plot No.: 1003	Sheet 1003		Page	•	Cteveland Metrope of	Metroparka
			% sub	#	size class	(cm) woo	size class (cm) woody stems >1m	1m							
			or super	shrub	ash	2	ω	•	(A)	0	7	œ	9	5	=
# DOC	species	voucher#	sample	dumps	<u>P41</u>	1-<2.5	2.5~5	5-<10	10 - <15	15 - <20	20 - <25	20 - <25 25 - <30 30 - <35	30 - <35	35 - <40	35 - <40 >40 (record each tree)
N								7							
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10												18			
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Strata	Total % Cover
Tree	
Shrub	
Herbacous	·

Write None Present if no e
vidence:

NONE PRESENT

-Asian Longhorned Beetle

-Hemlock (HWA) -Other Forest Pest or Pathogen

-Walnut (Thousand Canker)

Sec.

AYLOR + MONICA 06/16/2015

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
Project Label: PCAP Project Name: 02 MS 2015

Mot No.: 1003

(P) Glaveland Hotz Page: 1 of 1

STANDING BIOMASS (required for emergent wetlands) collected in 0. In clip plots (32x32 cm) from comers 1 and 3 in each intensive module. Required for VIBI-E score calculation. C7=check when

Aodule #	C7	Corner Comer	Comer
2	20 mm		
100 HE H			1
P 181			
87 11 11			4
1			

CLASSIFICATION		
(FIT = excellent g Fit and Confidence		
DEPRESSION	Į.	Conf.
o IMPOUNDMENT o Beaver o Human	7	Conf-
o RIVERINE o Headwater o Mainstein o Channel	Br	Conf
O SLOPE (ground water by drology or on a physical slop)	7	Conf*
o FRINGING o Reservoir o Natural Lake	Fic	Conf-
a COASTAL (specify subclass)	Fire	Conf =
a BOG (strongly, moderately, weekly ombrotrophic)	Fire	Conf-
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	SCT IN	
□ FOREST □ swamp forest □ bog forest □ forest soop	# 	Conf.
a EMERGENT a marsh a wel meadow a open bog	3	Confa
o SHRUB a shrub swamp a tall sh. bog a tall sh. fen	Fig.	Conf

IICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

»p» 1 = sight elevational grade across module (hill) whe for microhabitat features. Select one or select two and everage the score.NOTE: If mod fals on a slope automatically gets ranked based on steepness (1-3) to begin + any features present Slope 2 = falls on slope -20* Slope 3 = maximum steepness that can be safely sampled ~45°

- feature is absent or functionally absent from the wedland
- teature is present in the wetland in very small amounts or if more common, of low quality
- feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality

lxim	depth 3		tussocks	no of	
3.16x3.16m	depth 2	uplands (Tip-Ups)	harrmocks	no. of	
10x10m	depth 1		depressions	по. тасто.	
III III	depth I		(2-12 cm)	c.w.d	c.w.d count for please wit
10x10m	depth 1		(12-40cm)	cw.d	for please with r
10:10:	depth 1		y e ca	cwd	minimum tim lengt
10x10m	depth 1		interspers.	microhab.	
1001261	SLOPE			microhab.	

(2) 9

4

500

WE

9

FICATION			
leat g Fit and Confidence			
SION	P	Conf-	
NDMENT o Beaver o Human	7	Confa	
NE o Headwater o Mainstein o Channel	37	Conf	
ground water by drology or on a physical slop)	₹ 	Conf*	
NG to Reservoir to Natural Lake	Fi	Conf-	
AL (specify subclass)	File	Conf=	
rongly, moderately, weekly ombrotrophics	Fire	Conf-	
VIBI Plant Community Class (WETLANDS ONLY):	CYTNO		
a swamp forest a bog forest a forest seep	₹ 	Conf-	
EVT a marsh a wet meadow a open bog	7 # 	Confi	
Change awards of care and or con-		Com	1

Landform Index (position within tandecape) ferrain Shape Index (site microtopographic shape) +225 degrees +315 degrees +270 degrees + 180 degrees + 135 degrees +45 degrees +90 degree Al aspeci ¥ E WS 8 H z

> recorders eye to eye of person local slopes. For TSI measure angle from

SEMB

standing - 10 m

FILLED OUT USING BIS PROGRAM - DO NOT FILL OUT IN FIELD) McNAB INDICES (degrees) + for up - for down

LFI is angle of plot to the horizon. TSI is

angles formed

0	7	
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ΙŽ	ŭ.	3
ofresonding space. (4 dots per grid square)	ă	CROWN COVER (DENSIOMETER): Make a
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l"	ë	2
2	8	36
8	Ĕ	Z
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ä	4	ㄹ
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10	E	
	eadings per module facing N, S, E, W Place dot count in	
_	-	-

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1 D 1	なり	9-1	000	ď	0	0	0	2
0 7	23	07	03	0	-	0	0	s
9 4	9 S	25	3	0	-		_	е
-3	QZ	-3	813		0	-	0	¥
-1	0-1	01						
		1	1					

Natural Resources Mangement FORM NR/2010-05s

MOTE: haso

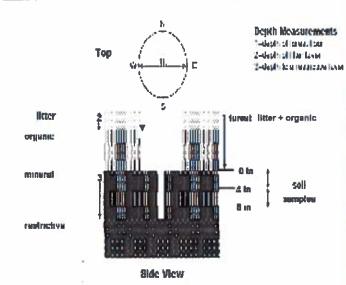
COVER BY STRATA

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

Very tall shrubs are sometimes included in the tree stratum

**Can also include seedlings of shrubs, i.e. all shrubs <0.5m

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



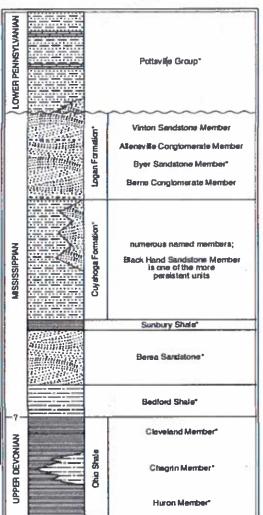


FIGURE 3-20.—Generalized section of Upper Devonian, Mississippian, and Lower Pennsylvanian formations in northeastern Ohio. Asteriaks indicate units that are finalisemus. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waverly is used in the cider literature to refer to Mississippian rocks in Ohio. Some geologists use the European rerm "Carboniferons," which encompasses the Missingpian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and emisor be traced over great distances. The Black Hand Member 1s a spectacular missive sandstone that is fairly undergread but discontinuous. See Hyde (1953), Hoover (1950), and Colina (1979) for more information on Mississippian rocks in Ohio. See figure 3-15 for explanation of rock types.

TAYLORT MONICA OG/16/2015

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a

Project label: PCAP Project Name: 02/05/05

Plot No.: 1003

(E) Citerreland Metroparks

Page: 1 of 1

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

Soil pit module # ____ (one per entire plot)

20 cm 6 cm matrix color matrix color stoor prix edox features** Same. ydr. cond *** morde dax features** AHRIC. xud roots mottle ottle color ottle color S Z z z b

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 nearest

Strata

COVER BY STRATA

×

estimate using midpoints of 5,ex:3, 8, 13

record as >30

ydro. cond ***

1 S M D

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

Votes: Include evidence of earthworms (worms,

organic depth 1 litter+

water depth

depth (cm) 2 litter

(CIII)

soil (cm) depth sat

DCASTING SOBBERUED MOD8: MORMS OBSERTED CASTINGS OBSERVED

MODA NOWDENS OBSERVED

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MODZ: NO PUBLISHED

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S S رو 2 (CIII)

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

Soil Collection Modul (Harizon (A. B. C) 2.3.8.9 composited A
Web Soll Survey Informations
Soil Series/Type:
Soil Series Source: Ohio Soil Survey
Landform type:
Depth to rest. Layer:
Parent Material.
DRAINAGE*
© Excessively dr. © Somewhat excessively
Well drained
impermeable surface

Underlying Earth Surface	Surface*	Ground Cover
(Non - 100%)	percent	(Each < 100%)
Histosol	١	Coarse Woody Debris***
Mineral Soil	1002	1007 Fine Woody Debris****
Gravel-Cobble*	1	Line
Boulder**	1	Duff (Ferm.+ Humus)
Bedrock	١	Bryophyte- Lichen
Gravel-Cobble = 1/16-10	1/16-10*	Water
**Boulder = > 10 in	ti	Bart Soil
*** >5 cm in diameter	iclar	Rond/Trail
	meter	Other

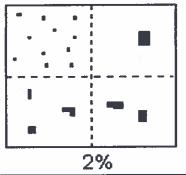
	*AVG. OF	1,6,3.03	25 SY 2 1	Ne Orak	DSCAN	- Total	
SEE BACK OF DESCRIPTION			(Aquatic)*	(Floating)*	Нег	Shrub	Tree
SEE BACK OF PAGE FOR TYPICAL'STRATA DESCRIPTIONS. STRATA CAN VARY BY CO	** submersed, most plant mass below surface	rooted and floating or slightly emersed			0.5	5.5	5
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE	w surface	sed		Ille	3890	43%	9370

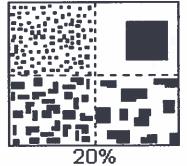
n Deer	o Gravel	a Bootleg unsanctioned	□ Hiking sanctioned	n Bridle	All Purpose	Type	record type and cover for each	NONE TRAIL INFORMATION:
						%Cover	or each	N:

0	0	<u>α</u>	2	0 >	U	ST	-
< plot size	1+3 x plot size	3-10 x plot size	0-100 x plot size	> 100 x plot size	>600 x plot size	STAND SIZE	
			-91				



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





Terraces

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

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

Position

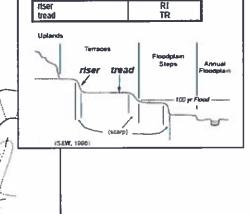
Summit

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;

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

Hills	Code		
	PDP	NASIS	
Interfluye	LF	IF	
head slope	HS	HS	
nose slope	NS	NS	
side slope	SS	SS	
base slope		BS	
	Head		
	slope	15°	

higher order str



Hillstope - Profile Position (Hillstope 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.

Code

backslope footslope toeslope	BS FS TS		
Su Sh Bi		Sh Ba	Su
,	Fa Ta Godina		

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

UPLAND: Not a wetland. Very rarely flooded.

(P.IS. 1990; adjusted from Fluire, 1975)

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.