CLEVELAND MET	ROPARKS Plant Community Asset	ssment Program:	Quality Control Form
Project Label:	РСАР		1073 Date Sampled: 07/29/15 Lead: LANCE
			AND THE STATE OF T
Dorking / A case outsid	a of Bark Boundaries	T v 🔊	Comment required if item answer is NO If yes, write details in Comments section below
	e of Park Boundaries:	Y (N) Y N	it yes, write details in Comments section below
Field journals complete		Y) N	· · · · · · · · · · · · · · · · · · ·
Site sketch made on 1	I		
Check cover page	X-axis Bearing of plot recorded GPS coords, Recorded	100	
		75	
	North direction recorded	N (S)	
	Photographs taken?	N N	
Dist No. Date and a	Relocated Pins Mapped	N N	
Plot No., Date agreem		N N	
Header data completes		N N	
 .	f in all Intensive modules	N (S) N	
Browse Level By Spec		N N	
Woody stem quality co		UY N	Check every line and cross check with the Tree Cover Sheet
Invasive plant quality	control check	Y N	INTE
Ash trees mapped		N N	
Completed Forest Pest		N N	
Cover by Strata? (conf		Y N	A A
	with matching plot #.	N N	NIA
Cross check 2010 info	mation	N KS	Highlight any changes from 2010 information
Vouchers labeled on d	atasheet with initials and number	N	
Vouchers labeled on c	ollection bag	Y) N	
Pink flags removed		N (Y) N	
Data sheet QA before	leaving site?	N	
Common equipment r	eturned to tub.	YN	
Data sheets scanned?			Enter date to left
Final data sheets scan	ned?		Enter date to left
Buffer Widths measur	ed?	Y N	
Web Soil Survey		N	
Voucher Location	Refrigerator	(Ý) N	
(# vouchers collected)	Press (#)		Enter number to left
ACV	Drier	Y N	10 N N N N N N N N N N N N N N N N N N N
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GRTS point verificat	tion: Is plot sampleable?		
6 Yes	Original GRTS point is sampleable		
		completely sees (6	III in outagementaleuri
□ No	Original GRTS point lands in a non- point falls in a water (i.e. river.		m in category octow;
	☐ Managed mowed area (i.e. golf		nt-of-way)
	Paved area (i.e. parkinglot, road)		
	Unsafe to sample (i.e. steep slope	e)	
	Other		
Additional Comment	\$:		

.2 ₄

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet SAMPLING QUALITY* □ Perm. water □ Paved □ Slope □ Safety PLOT NOT SAMPLED: Plot No.: 1073 GENERAL INFORMATION Minimum required fields in Bold and Underlined TAXONOMIC STANDARD TAXONOMIC ACCURACY Very thorough Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. Accurate nd date (if > 1 day): Monocot Monotony ate (mm/dd/yyyy): 07/28/2015 roject Name: OTHITOIS Lance Level 4 (no nested corners sampled) Level 5 (nested corners sampled) modera. may still provide good how much effort put into sampling. Hurried plots subjective evaluation of 10 29 2015 Pub Date: Role** Plot leader Bot. Ass low o Other not smp Check one: Public data - Private Date GPS location in plot x=0 to 5, y=-1,0,+1): ■ Lat/Long □ UTM □ StatePlane Quadrangle: West □ Systematic (grid) □ Capture specific feature □ Other Random Distratified Random Difransect component Plot placement: GRTS Plot size for cover data: , 04 GPS File Name: Coordinate system: Source of coordinates

MAP If data not public why? □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Data Confidentiality: LOCATION Depth: (1-5): Datum: NAD83/WGS84 DNAD27 ocal Place Names ntensive modules: 1.3,8,9 andowner: CMP oord. Accuracy: Other (specify) *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Runger Stables X-axis Bearing of plot: y = (base of plot x=0, y=0) 1073AA County: Meding □ Representative 234 едут ге морген deg deg min Coord. Units (hectares) Location > Located approx. 50 m Ves Characterstics > Plot falls in a distarbed edge next to CMP Ranger Stables. Lots of Rationale > GRTS PCAP re-sample Bellus Rd. content), Rationale (why here), and Veg Characterization (description of community, dominants, strata, BROWSE). Additional notes in space on back. NOTES: Include Layout (any unusual shape details), Location (directions and landscape dogwood and Fraxinus through Layout > 1x4 the shrub layer. Mature black walnut shades over in the canopy. Plot drigun (0,0) point point GPS location き 3 H photo taken, with direction (P) Glurulum Mutru Page 1 of 2 permanent posts

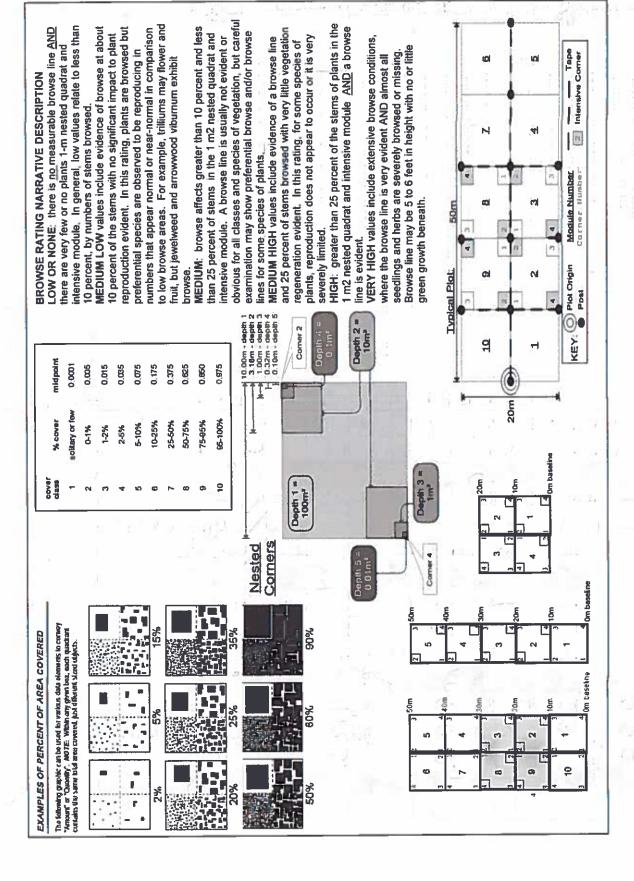
CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	mmunity Assessment Progi	ram - Backgrour	nd Data 9	Sheet			\$	(Clumbulmulant	
Project Label:	il: PCAP	Project Name: O3Hi3015	ODHI	5100		Plot No.:	Plot No.: [073	Page 2 of 2	3.6
MODIFIED NATURESERVE CLASS*			DISTU	DISTURBANCES					
CODE (on separate form):	Fir= Conf=		type*	severity**	yrs ago	yrs ago % of plot	description		
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COMMUNITY NAME:			Fire						
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(Loland Shrub	LA CKET		Animal	H	0	10020	100% brows		¥33-
Dogwood	1- Hackborn)		Other						
HOMOGENEITY			**L=low.	ML=med low	′, M≖med.	MH=med l	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	high	
A Homogeneous a Compositiona	Compositional trend across the plot		Current	Current Land Use: PARK	ARK			4	
Conspicuous inclusions a Irregular/pattern mosaic	mosaic		Former 1	and Use:	INKM) MW	Former Land Use: UNKNOWN (HOMESTEAD?		C
e	HYDRØLOGIC REGIME*	E*				,			
	p Opland (seldom flooded)	D Intern	D Intermittently Rooded	popo					
SALINITY*	□ Intermittently/seasonally saturated		□ Semipermanently flooded	y flooded					
D Saltwater	(seldom flooded)	o Perma	Dermanently flooded	paped					7
o Brackish	□ Permanently/Semipermanent. saturated		□ Tidal/Seiche flooded daily	oded daily					
o Frysh	(dry <1/yr, seldom flooded)	o Tridal/	Seiche floo	☐ Tidal/Seiche flooded monthly					
(n/a)	a Occasionally flooded (<1/yr)	O Tidal/	Seiche floo	Tidal/Seiche flooded irregular					
	n Temporarily flooded	(c.g	(c.g. wind, storms)	us)					

Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)

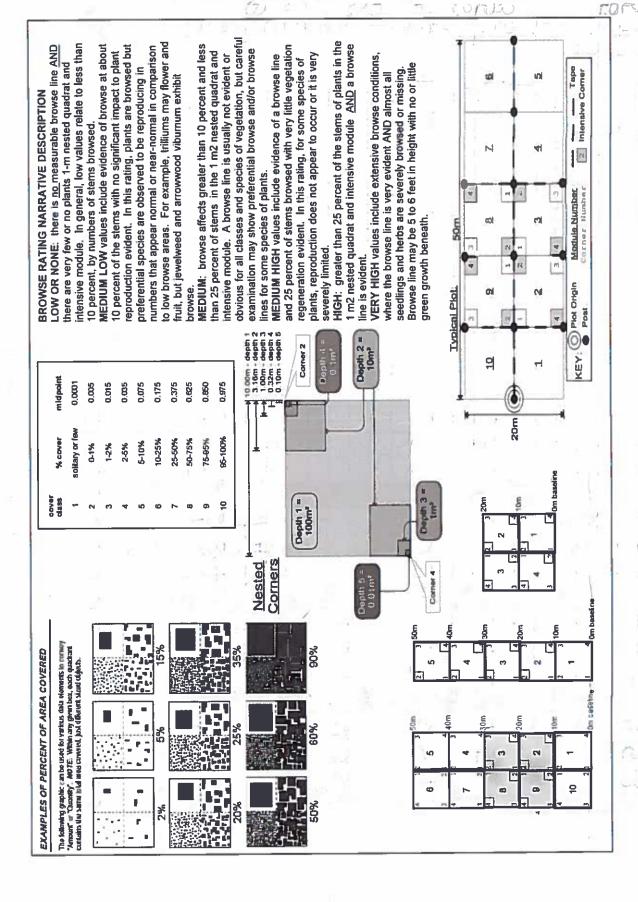
(by default unless plot is a wetland)

Mod 2 is very distribed as a result of invasive plant management. Abundant light in this mod compaved to the other three mods. hots of edge species present, as well as a host of cultivated species. Area was most likely an old homestead.

CLEVELAND ME	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet	nent Program Specie	S Cove	er Dati	She	#	Plot no	٠	1000	7				70	Page	Н	17	17
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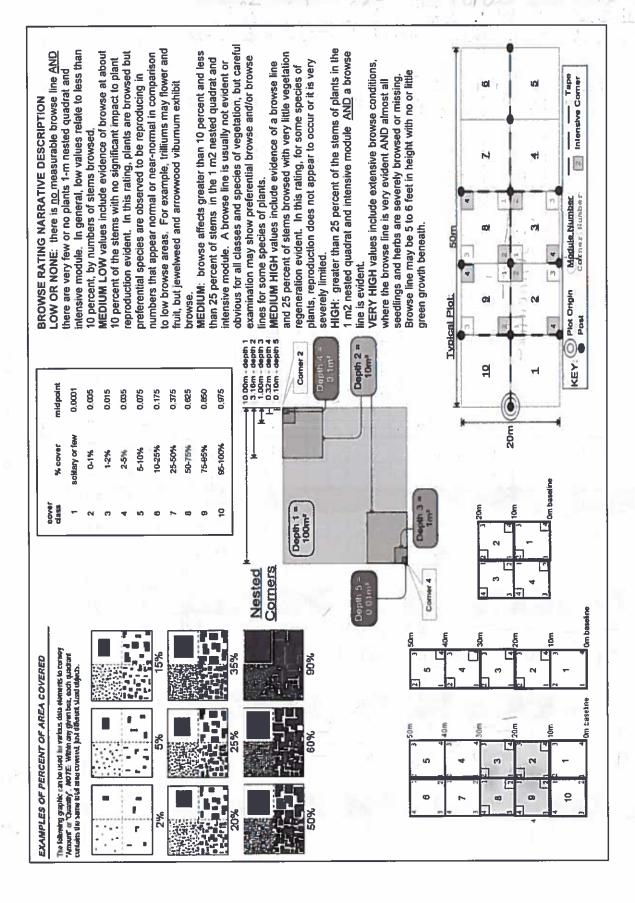
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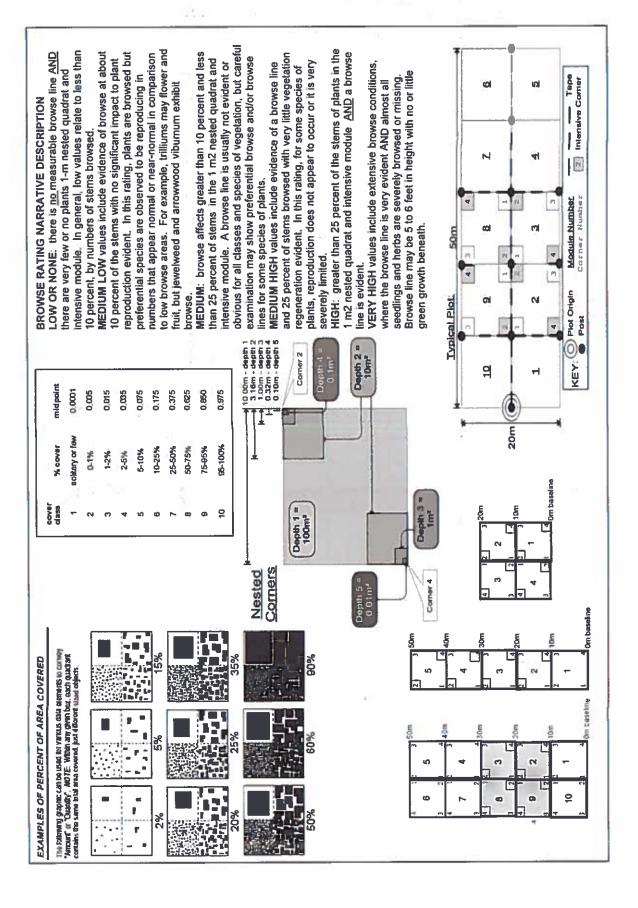
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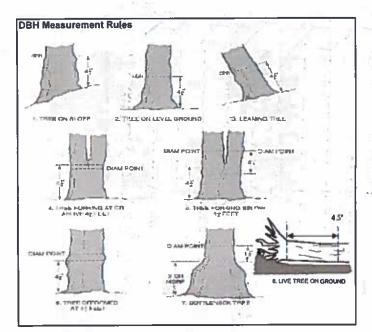
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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Explain subsample (additional room on back): ALL SUCKES POATON CONTRACT thick's Hydrick 多世のは時 WASONAL O BA MUDIEUR THE COR マスコロ BO MONDA MUTHORA Project Label: CKINS PCAP Nanka 四二 d 0-1,4m prowsed # Sterns or super % sub Project Name 22112005 Plot No.: 1073 :1 . 0 clumps :1 size class (cm) woody stems >1.4m 1 2 図 00 以 1-<2.5 2.5-<5 • • 5-<10 ž 10 - <15 . 15 - <20 20 - <25 0 Page: 25 - <30 30 - <35 ಲ್ಲ Scieveland Retroparks 35 - <40 5 >40 (record each tree)



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.
- 3. 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 teaves 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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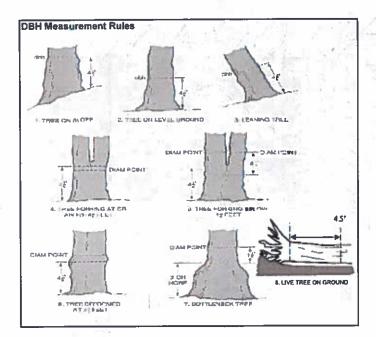
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ASH CANOPY BREAKUP CONDITION (for dead trees):

(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.

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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

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B

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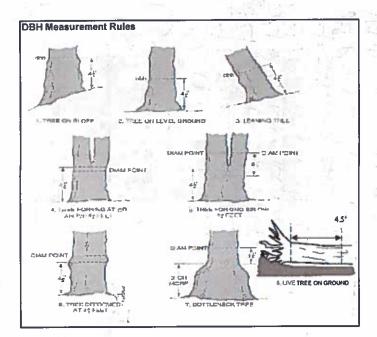
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ASH CANOPY BREAKUP CONDITION (for dead trees):

(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 Natural Woody Stem Data Sheet Explain subsample (additional room on back): CONTROCK THE SECOND AND SIMUMONIS & N. DELLER CONTRACTOR OF THE PARTY OF THE STUNOVOOTWE Project Label: PCAP # stems 0-1.4m or super % sub sample Project Name CZ 15705 0 N M shrub clumps size class (cm) woody stems >1.4m 3; 0-41 1-<2.5 1 2.5-<5 Plot No.: 10773 8 5-<10 10-<15 15 - < 20 20 - <25 Page: 25-<30 30 - <35 **Solereiand Retroparks** 35 - <40 5 >40 (record each tree)



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.
- 3. 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.



В

Ç

D

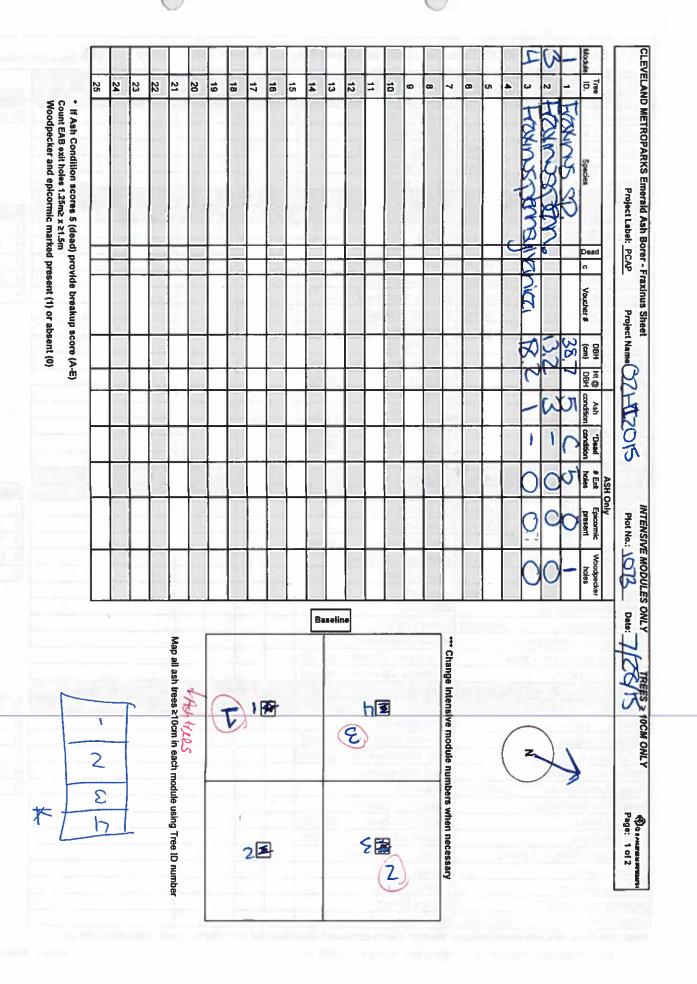
E

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.

Natural Resources Management FORM 2010-04a



CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey

Tier 1: Early detection/	Rapid response	3	Pre	ence		GPS	
		NE	SE	SW	NW		Presence
Microstegium vimineum	Japanese stiltgrass						X: yes
Ranunculus ficaria	Lesser Celandine		T	1			
	Black Swallow-wort						1
	Flowering Rush	+			 	I E	1
Heracleum mantegazzianum	Giant Hogweed	+	+	 			1
Tier 2: Assess a:			# of	Plants	1 2 0	comments	0
11c1 2: A33c33 6:	Heeded	NE	SE	sw	NW	Commence	# of Plant
A Internation	Norway Maple	INE	J.	244	1444		1: 1-10
Acer platanoides	Tree of Heaven	+		_			2: 11-50.
Ailanthus altissima		+-	+		 		3: 51-100
	Japanese Honeysuckle	+-	+	-			
<u> </u>	Purple Loosestrife	┼─	+	├	 		4: 101-1,0
Aegopodium podagraria (G-cover)	Bishop's Goutweed	—	-	-			5: >1,00
	Asian Bittersweet	-	-	-			-
Torilis sp.	Hedgeparsley	-	+	1			-
Conium maculatum	Poison Hemlock		 	L			-
Rhamnus cathartica	Common Buckthorn (shrub	_		ļ			4
Berberis thunbergii	Japanese Barberry (shrub)		<u> </u>	\perp		
Alnus glutinosa	European Alder						
Dipsacus laciniatus	Cut-leaf Teasel						
Elaeagnus umbellata	Autumn Olive (shrub)					
Lonicera maackii	Amur Honeysuckle (shrub)					7
Euonymus fortunei	Wintercreeper						1
Tier 3: Presence is		9 100	# of	Plants		comments	1
		NE	SE	sw	NW		# of Plant
Convallaria majalis (G-cover)	Lily of the Valley						1: 1-10
	Crown Vetch		1				2: 11-50.
Eleutherococcus pentaphyllus	Five-leaf Aralia (shrub	1		1			3: 51-100
	Japanese Pachysandra	' 		1-		·	4: 101-1,0
Philadelphus coronarius	Mock Orange (shrul	<u>, 1</u>		+	1		5: >1,00
Pulmonaria officinalis (G-cover)		" 	+	+-	╂┈╌┞╌		1 5. 12,00
	Wineberry	+-			+ +-		┨
Rubus phoenicolasius		+	+	-	+ +		-
Iris pseudacorus (wetland)	4	+	+-	1	+ +	· · · · · · · · · · · · · · · · · · ·	-
Ornithogalum umbellatum	Star of Bethlehem		+	+	+ +		-
Viburnum opulus var. opulus	European Cranberry (shrub		+	-	 		-
Viburnum plicatum	Doublefile Viburnum (shrub	1		o rette ranse for			-
Tier 4: Widespread	and abundant	a. la		sence		comments	M = 0 mt = -
	I	NE	SE	SW	NW		# of Plant
Alliaria petiolata	Garlic Mustard		-	J)	 		1: 1-10
Ligustrum vulgare .	Common Privet (shrub		+	-			2: 11-50
L. morrowii, L. tatarica	Bush Honeysuckles (shrub)			+		3: 51-10
Phalaris arundinacea	Reed Canarygrass		_	_			4: 101-1,0
Phragmites australis (wetland)	Phragmites						5: >1,00
Polygonum cuspidatum	Japanese Knotweed						_
Frangula alnus	Glossy Buckthorn (shrub						
Rosa multiflora	Multiflora Rose (shrub	_					
Typha angustifolia, T. x.glauca	Cattails (wetland)						7
Cirsium arvense	Canada thistle		\top				7
Dipsacus fullonum	Common Teasel	1	\top		1		7
Hesperis matronalis	Dame's Rocket		+	\dagger	 	· -	1
	Periwinkle	+	+	+	 	···	1
Vinca minor (G-cover)	renwinkle						_

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

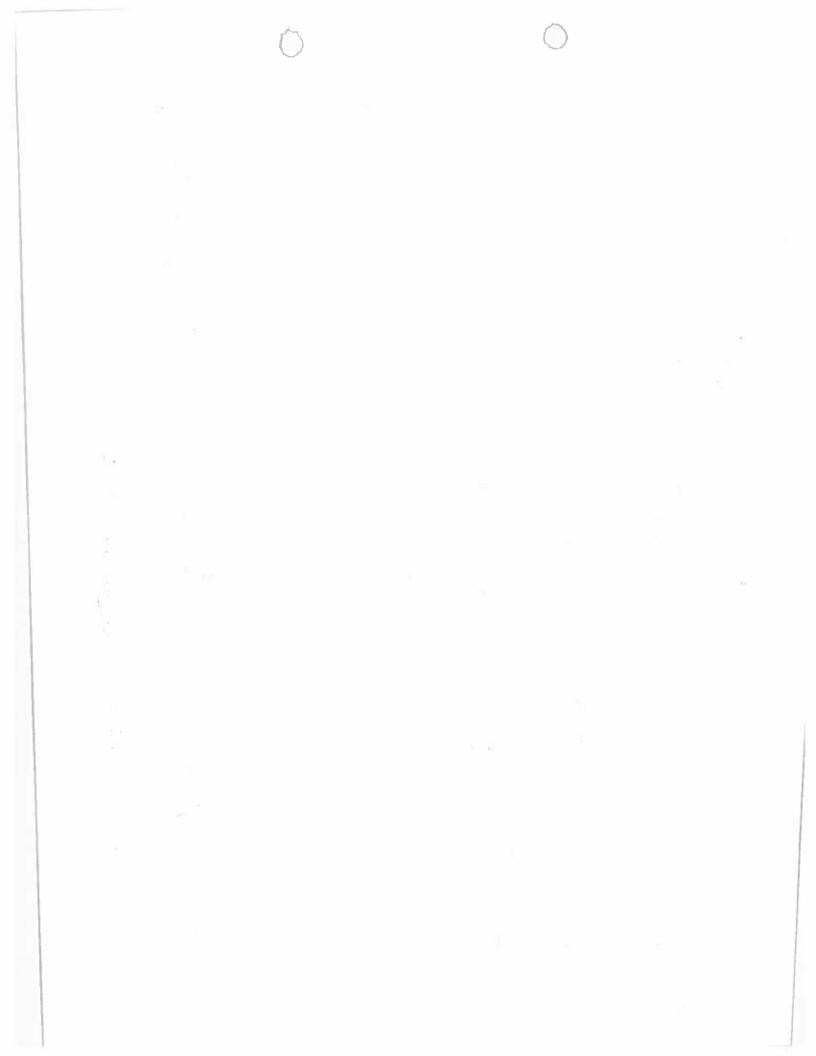
Strata Tree (size class 3 or above) Shrub (size class 2 or below including shrub clumps)	10 FEVIDENCE OF F	0 00 7 0	ω 4 _{τυ} σ	mod # species 1 NYC	CLEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheet Project Label: PCAP Project Name: X + Size class (cm) woody stems > 1m
# of stem infected	IF EVIDENCE OF PEST OR PATHOGEN RECORD TOTAL SPECIES POPULATION IN THE PLOT EVEN			voucher#	PARKS Plant Commu
Severity (H.M. or L)	RECORD TOTAL			clumps	PCAP # s
* write None	SPECIES POPUL			0~1 1-25 2	Program Forest Pest and Project Name: A
* Write None Present if no evidence: Beech (Fungus) Hemlack (HWA)	ATION IN THE PL			2.5~6 5~10 10 -<15	est and Pathoger
				s 8 7 <15 15 - <20 20 - <25	Piot No.107
Asian Longhorned Beetle	THE NOT INDECTED			25 - <30 30 - <35	Page:
orned Beetle r Pathogen				10 11 12 15 - <40 >40 (record each tree)	Cierraland Metroparks

High = more than 50% of leaf/needle cover exhibiting symptoms

Medium = Less than 50% of leaf/needle cover exhibiting symptoms

Low = Only a few leaves or branches are exhibiting symptoms

Severity



CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
Project Label: PCAP Project Name: OCH ST

STANDING BIOMASS (required for emergent wetlands): collected in 0. Im clip plot (32:32 cm) from concer 1 and 3 in each intensive module. Required for VIBI-E score calculation. C?=check when collected

Module # C7 Comer Comer Hirdposcemenghic class (WETLANDS. O DEPRESSION O IMPOUNDMENT o Beaver o Human o IMPOUNDMENT o Beaver o Human

Plot No.: 1073

Page: 1 of 1

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

Al aspect

z

angles formed by local slopes. For TSI measure

angle from recorders eye to eye of person standing ~10 m

Cents

LFI is angle of plot to the horizon. TSI is

LFI!

			Į
CLASSIFICATION			
(FIT = excellent g Fit and Confidence			
Hydroecemernik class (WETLANDS ONLY):			
DEPRESSION	F .	Conf	
o IMPOUNDMENT to Beaver to Human	<u></u>	Conf=	
RIVERINE o Headwater o Mainstern o Channel	Eig 	Conf	
O SLOPE (pround water hydrology or on a physical sloph	F .	Conf.	
o FRINGING o Reservoir o Natural Lake	- F	[[
n COASTAL (specify subclass)	File	Conf	
n BOG (strongly, moderately, weekly ombrotrophic)	Fitz	Conf=	11
Oble EPA VIBI Plant Community Class (WETLANDS ONLY):	CYTING		
o FOREST o smarrep forest o bog forest o forest seep	F	Conf=	
n EMERGENT n marsh n wet meadow n open bog	- F	Conf	
O SHRUB C shrub swamp C tall sh. bog a tall sh. for	Fic=	conf**	

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only whs for microhabitet features. Select one or select two and everge the score.NOTE: If mod falls on a slope automatically gets ranked besed 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 wetland

Slope 1 = slight elevational grade across module (hill)

- feature is present in the wedand in very small amounts of if more common, of low quality
- feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality
- 1D feature is present in moderate or greater amounts and of highest quality

7	C	2	-	mod# corner					
-		C	C	(count)	ix im	depth 3		tussocks	no of
C	C	C	0	(count)	3 16x3 16m	depth 2	uplands (Tip-Ups)	hummocks	no. of
_		C	C	(count)	10x 10m	depth 1		depressions	no. macro.
6	6	Z	2	(input)	10x10m	depth 1		(2-12 cm)	p.w.d
7	D	K	7	(count)	10x10m	depth ((12-40cm)	c.n/d
0	C	0	0	(count)	10110m	depth 1		×80 cm	E.W.d
N	W	7	ì	(rgek)	10x10m	depth 1		interspers.	microhab.
-		_	7	(rank)	10x10m	SLOPE			microhab

+15 degrees NE

+10 degrees E

113 degrees SE

115 degrees SW

+225 degrees WW

4270 degrees NW

-1315 degrees NW

-1315 degrees NW

-1316 degrees NW

0	2.4		Medule	contraording sper m
0	76	a	z	CROWN COVER (DENSIOMETER) Make 4 readings per module facing N, S, E, W. Place dot count in contrisonding space. (4 dots per grid square)
7	1	0	s	METER) M S, E, W. Pha er grid square
	7	3)-	ake 4 ce doi count i
V	Ø	4	₩	1_5_

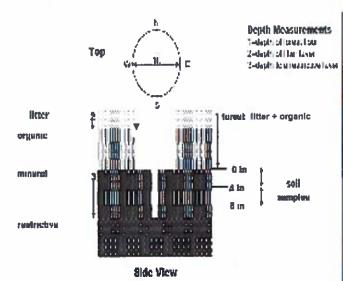
COVER BY STRATA

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.



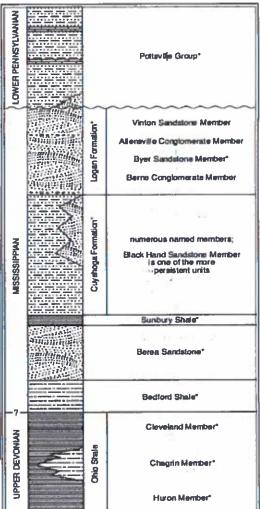


FIGURE 3-20.—Generalized section of Upper Devenian, Missenppann, and Lower Pennsylvanian formations in northeastern Ohio. Asteriaks militate units that are feasilisteous. This composite section represents about 400 meters of rock exposed across the area. The section is not to acale, but the chicknessee indicated are proportional. The term "Wavety" is used in the older linearine to refer to Missinsippian rocks in Ohio. Some geologist use the European rerm "Carbomferuis," which encompassee the Missinsippian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandsonse that is fairly widespread but discontinuous. See Hyde (1953), Hoover (1960), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

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

Project Name: QZH1 ZCS

Plot No.: 1573

Carreland Metropasts

Page: 1 of 1

cord type and cover for each

NONE

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

Soil pit module #

20 cm S CAN matrix color matrix color texture* axid roots redox features** espon prixo hydr cond *** redox feetures** %monte exture. nottle color mottle ottle color 4 (A) X D z z z

refer to texture classes on reverse side hydro, cond *** 1 S M D

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

*indundated S=saturated M=most D=dry felias: include evidence of earthworms (worms,

castings, middens) 2-nane

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

o impermeable surface	□ Somewhat poorly dr. □ Very poorly dr.	□ Well drained □ Moderately well dr.	Excessively dr	RAINAGE*	Parent Moterial:	Depth to rest. Layer:	Landform type:	Soil Series Source: Ohio Soil Survey	Soil Series/Type:	eb Soil Survey Informations	2,3,8,9 composited A	Soil Collection Moduli Horizon (A. B. C)
-----------------------	---	--------------------------------------	----------------	----------	------------------	-----------------------	----------------	--------------------------------------	-------------------	-----------------------------	----------------------	--

Underlying Earth Surface*	Surface*	Ground Cover	
(Sum - 100%)	percent	(Each ≤ 100%)	percen
Histosol	11	Coarse Woody Debris***	99
Mineral Soil	98%	70 Fine Woody Debns****	5ħ.
Gravel-Cobble*	j	Later	22
Boulder**	2%	Duff (Ferm.+ Humus)	20
Bedrock	1	Bryuphyte- Lichen	190
• Gravel-Cobble = 1/16-10*	1/16-10"	Water	03
**Boulder = > 10 in	5	Bare Soil	12
*** >5 cm in diameter	icia	Road/Trial	80
	The second	Other	>

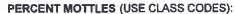
COVER BY STRATA estimate using midpoi	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	%3, 8, 13
Strate	Height Range (m)	Total Cover (%)
Tree	67	48%
Shrub	2.5	48%
Herb	Ø	987.
(Floating)*		41.
(Aquatic)*		
rooted and 8	* rooted and floating or slightly emeraed	22
* submersed,	"submersed, most plant mass below surface	surface
SEE BACK O	SEE BACK OF PAGE FOR "TYPICAL"STRATA	STRATA

0 0 V

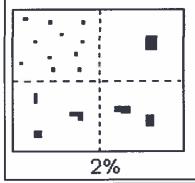
< plot size

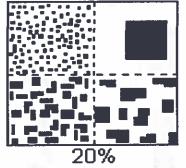
ST/

a processor	1-10 x plot suze	0-100 x pl	100 x plot size	600 x plot size	AND SIZE								
-	SEE	x plot size	size	size	ZE		Deer .	o Gravel	Bootleg unsanctioned	a Hiking sunctioned	o Bridle	> All Purpose	Туре
								104	ur i				%Cover



Class	- 0	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

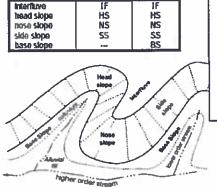
Position

Georgorphic 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;

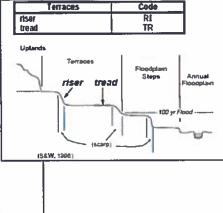
NASIS

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

Hille



PDP



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.

shoulder backslope feotslope toeslope	SH BS FS TS	
Su Sh Bs	Fs Ts Other	Sh + Fn +

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

UPLAND: Not a wetland. Very rarely flooded.

(PJS, 1998;

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.