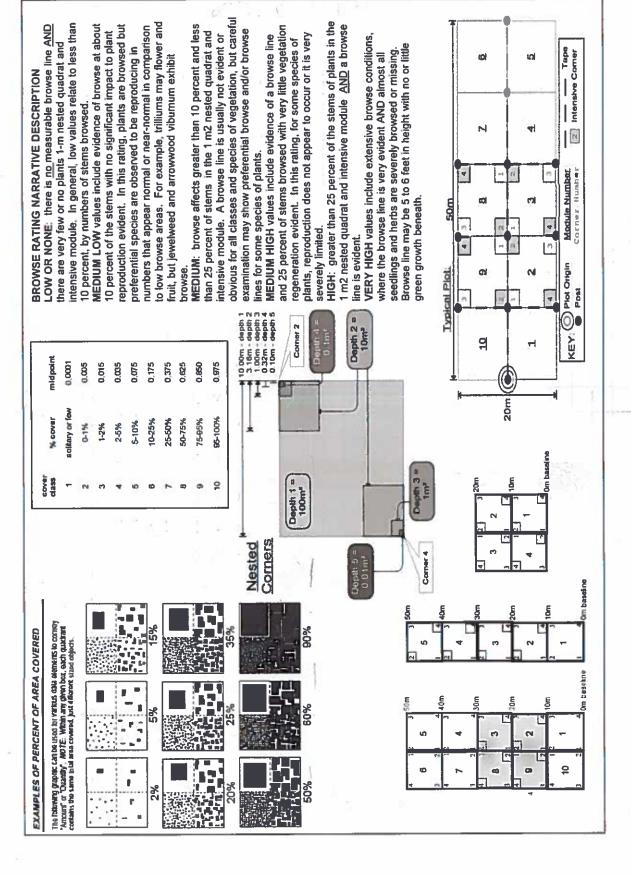
1902			-	Comment required if item answer is NO
rking/Access outsid	ie of Park Boundaries:	Y	(2)	If yes, write details in Comments section below
ield journals comple	ted	(Q)	N	2017-08-00-0
te sketch made on 1		(2)	N	
neck cover page	X-axis Bearing of plot recorded	1	N	
	GPS coords. Recorded	R	N	
	North direction recorded	194	N	
	Photographs taken?	(4)	N	
	Relocated Pins Mapped	10	N	NONE FOUND
t No., Date agreem	"	6x	N	THE THE PARTY
ider data complete		100	N	
	d in all Intensive modules	Y	N	
wse Level By Spe		1	N	
ody stem quality c		(3	N	Check every line and cross check with the Tree Cover Sheet
asive plant quality		14	N	A / A
trees mapped	which proper	v	N	TMIA
	t/Pathogen Datasheet	(N	17/11
er by Strata? (con		13	N	N N N N N N N N N N N N N N N N N N N
The state of the s	with matching plot #.	7	N	4\14
ss check 2010 info		Y	N	Highlight any changes from 2010 information
	datasheet with initials and number	Y	N	N/A
	CANDIDATE THE PROPERTY OF THE	Y	N	W/A
chers labeled on c	onection bag	6	N	ONE FLAG LEFT AT CENTER BASE
flags removed	1	M	N	CAC FLAG CEPT HI CENTEL VASE
a sheet QA before			N	0.00 0.00 0.00
nmon equipment r	eturned to tub.	1	N	Facility 1.6
a sheets scanned?	10			Enter date to left
l data sheets scan	Mass.		3.0	Enter date to left
Ter Widths measur	red?	Y	N	
b Soil Survey	L	Y	N	
cher Location	Refrigerator	Y	N	
ouchers collected)	Press (#)		- 11	Enter number to left
all.	Drier	Y	N	
M	Identified	Y	N	
10.	Mounted	Y	N	
	Thrown away	Y	N	

 $\mathcal{F}(M_{1}, \mathbb{Z})$

(P)ChurchardMuinupeth
James Carones
4
3 4
* 2 T
13
123
#1 #3 #4
GPS location 3 photo tolor
(0,0) point point with direction permanent posts
NOTES: Include Layout (any unusual shape details), Location (directions and landscape content). Rationale (why here), and Veg Characterization (description of community
dominants, strata, BROWSE). Additional notes in space on back.
DAC ST
Location -) Plot is sandwicked between
Mariaba Con
1-11 runs just east of the plat
lark venicle as Docci Rec. Hrea and
tollow APT + 1/2
Rational of GRTS, FRAP March
revactions of the oft
es. Characteristics > Thus plat
revacteristics > Thus plat
has been fremendously influenced
by recent flood events. Combined
š

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	munity Assessment Pro	ogram - Backgrot	ind Data	Sheet		-		(A Clandund Hainparks	
Project Label:	PCAP	Project Name: 02063-015	<u>090</u>	23015	Plot	Plot No.: 652	7	Page 2 of 2	
MODIFIED NATURESERVE CLASS*	×		DISTU	DISTURBANCES					
CODE (on separate form):	Fir=Conf=		type*	severity**	yrs ago % of plot	plot description	ition		
			Human		\dashv	•	W = 7.0% also		_
708			Natural	 	<u> </u>	100% + la	odlo 6		_
COMMUNITY NAME:	<i>374.</i> 12		Fire		+				
			Cut	977	\neg				
Cottonwood Forest			Animal		0 1002	The browse	Ş	,	111
			Other						
HOMOGENEITY			**L=low	ML=med low	, M=med, MH=	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	gh, VH=very I	high	_
Priomogeneous a Compositional tr	Compositional trend across the plot		Current	Current Land Use: PARK	ACK				
□ Conspicuous inclusions □ Irregular/pattern mosaic	mosaic		Former 3	Former Land Use:	WINKHOUN	2			_
	HYDROLOGIC REGIME*	IME*							
	Upland (seldom flooded)	o Inter	□ Intermittently flooded	papac					
SALINITY*	o Intermittently/seasonally saturated		□ Semipermanently flooded	y flooded					
n Saltwater	(seldom flooded)	р Реш	D Permanently flooded	pape					
D Brackish	Dermanently/Semipermanent, saturated		□ Tidal/Seiche flooded daily	oded daily					
I Fresh	(dry <1/yr, seldom flooded)		Weiche flo	n Tidal/Seiche flooded monthly					
c Upland (n/a)	□ Occasionally flooded (<1/yr)		Il/Seiche flox	□ Tidal/Seiche flooded irregular					
,	er emporarily flooded	T'0)	(e.g. wind, storms)	us)					
(by default unless plot is a wetland)		u Unknown	помл				-		
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	ss of plot to the stand, successic	onal status, maturity, et	lc.)						
Sewer overflew approx.		50 m south on the Cayahora This basin	五	3	yaho	ر م	his b	2511	
most libert Pelle is societ part time a line in the		100 TI DO	7 /	9	7	25		,	M
51112 May 1	Y B JB W	יייייייייייייייייייייייייייייייייייייי	5	<u>পূ</u>	200	る。人	1000 1	, 5	4
Virtually no regelate	present " lot of Polyanum sizeralianing	ent .	afc	Je Po	14900	なると	1017		
J. J	-25+2				ر ب				
box elder, Japanese Knotweed and not much plee!	in x Knot	need a	9	not m	uch p	100			
									_
Large cottonwood dominate the canopy.	dominate H	re canop	2007	Houndant	ant v	Abundant woody tolebris	Toole	bris	
				I M MILLEL	+. 4				1

LEVELAND MET Project Label: Total modules:	FROPARKS Plant Community Assessn PCAP 8	LEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet Project Label: PCAP Project name: 0300000000000000000000000000000000000	Page of	
	Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot	mod corner mod corner mod corner mod depth cov depth cov depth cov depth cov depth for the third	comer mod comer mod corner mod corner mod corner a 6 4 6 3 7 4 7 3 cov depth cov depth cov depth cov	de pa
S H (F)(A) Br		C Voucher# depth cav depth cav depth cav depth cav	depth cov depth cov depth cov	dept
C .	1 Acer negundo	100 P	273	
3/X 2/X	Palygonum cuspidurtum	-5	1 L	
Ę U	Toxicadendon radicans	ر بر بر	25.0	1
	Cer s	22		
2	Poacear sp. 1	2		
(V)	Vitts cipacia			عاد
U N	montens capensis			24
	Caralle			
				7



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

Project Label:	PCAP	0000	Project Label: PCAP Project name: 010E3015 Plot no.: 1052	tno.: 1052	- - - - -
% COVER			Prensence of tree mod mod mod R		
⊺ Br	Species	ဂ			
9	Populus delloides		XXXX		
7 5 /	Ace Sacchannium		×××		
5	Arer resundo				
4	Toxicadeadron actions	^	××		
+			×		
			17.		
_		3_3			
200				32	
	,				
		-			
	16 6				
		4-3			
		i y			
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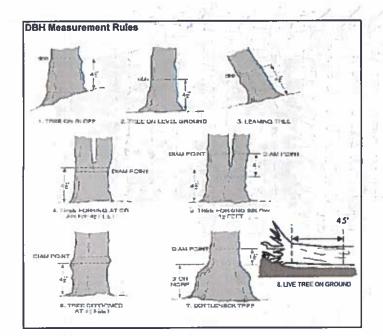
t Plot no.:	ď	œ				10 1	,	2 - 1													
Shee	pou																				
Data	рош																		-dament	(history)	
over	pow					P. Street												 			
.ee.	Pott G			_	1	_					 		-	-	-	-					-
nent Program Tre Project name:	Prensence of tre	species (X)	Voucher #		ſ						:										
essm	_		ပ																	_	_
CLEVELAND METROPARKS Plant Community Assessment Program Tree Cover Data Sheet Project Label: Project Label:			Species														00 00 00 00 00 00 00 00 00 00 00 00 00				
CLEVELAND METROP	% COVER	Strata - Cov. entire plot	T Br																		

ō

Page

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Explain subsample (additional room on back) SACRETAINS MACAUX SAD MARCHAN THE PROPERTY 子力の一個 MAADUS 100 H Project Label: 2 B 3 PCAP ô browsed 0-1.4m Stems or super % sub Project Name OZ OF 705 shrub size class (cm) woody stems >1.4m 1-<2.5 Plot No : 1052 4 5-<10 10-<15 15 - < 20 20 - <25 Page: . ŧ 25 - < 30 30 - <35 잋 Gergland Metroparks 5 43.0 55-1, .90 00°0°40° 71-11 2.2 >40 (record each tree) 2.8 =

PURCHASINO DO C



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

10













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.



В

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D

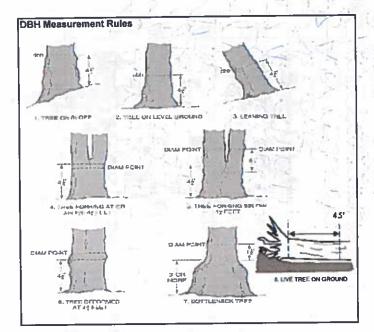
E

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: Slem 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): Project Label: PCAP voucher# browsed 0-1.4m stems or super % sub Project Name: 0207705 Plot No.: \\SZ shrub **3**1 size class (cm) woody stems >1.4m 区 7 . 0 .. 1-<2.5 2.5-<5 20 . 5-<10 10 - <15 15 - <20 8 20 - k25 Page: Z of 0 25 - <30 6 30 - <35 . 35 - <40 5 70H 0709 87.9,88,5,772 >40 (record each tree) 2,0 =



Woody Stem Deer Browse

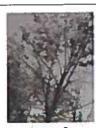
Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.

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

C

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

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)

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection	/ Danid rossages		Dec	sence		GPS	
Her 1: Early detection	/ Kapid response	NE	SE	SW	NW	GF3	Presence
	II	IAC	3E	344	14441		X: yes
Microstegium vimineum	Japanese stiltgrass		-	-	 		- X. Yes
Ranunculus ficaria	Lesser Celandine		-	-	 		-1
	Black Swallow-wort	_	+		╫┈┼╌	<u> </u>	┥
) Flowering Rush		-	+	 		-
Heracleum mantegazzianum	Giant Hogweed		44 =4	Pilman		-commonts	
Tier 2: Assess a	is Needed	100		Plants		comments	# of Plants
		NE	SE	SW	NW		1: 1-10
Acer platanoides	Norway Maple	4	-	+	-		
Ailanthus altissima	Tree of Heaven	_	_	-	 	. <u> </u>	2: 11-50.
onicera japonica (vine)	Japanese Honeysuckle		4—	┼	 		3: 51-100
ythrum salicaria (wetland)			+-	-	-		4: 101-1,00
Aegopodium podagraria (G-cover)		+	-	+-	-		5: >1,000
Celastrus orbiculatus (vine)				4	 		
Torilis sp.	Hedgeparsley		_	+	+		_
Conium maculatum	Poison Hemlock		_	4—	\bot	***	_
Rhamnus cathartica	Common Buckthorn (shru	ıb)		\perp	$\perp \perp$		
Berberis thunbergii	Japanese Barberry (shru	ip)					_
Alnus glutinosa	European Alder				\bot		_
Dipsacus laciniatus	Cut-leaf Teasel					<u> </u>	_
Elaeagnus umbellata	Autumn Olive (shru	ıb)					
Lonicera maackii	Amur Honeysuckle (shru	ıb)					
Euonymus fortunei	Wintercreeper						
Tier 3; Presence	is of Interest		#.01	Plant		comments	6
		NE	SE	5W	NW		# of Plants
Convallaria majalis (G-cover	Lily of the Valley						1: 1-10
) Crown Vetch						2: 11-50.
Eleutherococcus pentaphyllus	Five-leaf Aralia (shru	ıb)				···	3: 51-100
) Japanese Pachysandra						4: 101-1,00
Philadelphus coronarius	Mock Orange (shr	ub)		Π			5: >1,000
) Lungwort		\Box				
Rubus phoenicolasius	Wineberry						
Iris pseudacorus (wetland) Yellow Flag Iris	\top					
Ornithogalum umbellatum	Star of Bethlehem		\neg				
Viburnum opulus var. opulus	European Cranberry (shru	ıb)					
Viburnum plicatum	Doublefile Viburnum (shru	ıb)					
Tier 4: Widespread			Pri	esence		comments	
		NE	SE	SW	NW		# of Plants
Alliaria petiolata	Garlic Mustard						1: 1-10
Ligustrum vulgare	Common Privet (shru	ıb)					2: 11-50.
L. morrowii, L. tatarica	Bush Honeysuckles (shru		\top		1		3: 51-100
Phalaris arundinacea	Reed Canarygrass	1	1		1 1		4: 101-1,00
Phragmites australis (wetland)	Phragmites	\dashv	\dashv		1		5: >1,000
Polygonum cuspidatum	Japanese Knotweed	\dashv	\top		1-		
Frangula alnus	Glossy Buckthorn (shru	b)	\top	-	+ +		7
Rosa multiflora	Multiflora Rose (shru		1	+	1 1		_
	Cattails (wetland)	" -	+	_	+		
Typha angustifolia, T. x.glauca			+		+ +		_
Cirsium arvense	Canada thistle		+		+ +		_
Dipsacus fullonum	Common Teasel		+	+	+		\dashv
Hesperis matronalis	Dame's Rocket	_	+	-	+ +		\dashv
Vinca minor (G-cover)	Periwinkle		- 1			J	

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

				10	9	œ	7	6	СЛ	4	ω	2	_	mod #		CLE
Shrub (size class 2 or below including shrub clumps)	Tree (size class 3 or above)	Strata	IF EVIDENCE OF PEST OR PATHOGEN RECORD TOTAL SPECIES POPULATION IN THE PLOT EVEN										SOK SOU	species		CLEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheet Project Label: PCAP Project Name: 1705705 Plot No.: \(\frac{1}{2}\)
		# of stem infected	ATHOGEN											voucher#		t Communii P
		Severity (H,M, or L)	RECORD TO											shrub clumps	#	PCAP
	1		TAL SPECI											ጟ -	size class (cm) woody stems >1m	nt Progran
		* Write None Present if no evidence:	ES POP											2 1-<2.5	m) woody	ogram Forest Pest and Pathoge Project Name: 0705705
		None Pr	ULATIO											³ 2.5≺5	stems >1	Pest an
Hemlock (HWA)	Beech (Fungus)	esent if	N T											₄ 5-<10	3	d Patho
k (HWA	Fungus)	no evid	IE PLO											5 10 - <15		Sens D
		ence:	T EVEN											6 15 - <20		ata She
			THE NO										ь.	7 20 - <25		1052
			THE NOT INFECTED						_				_	8 25 - <30		
Other F	_Asian L		CTED										0.00	9 30 - <35	-	Page
est or P	onghorr-													10 35 - <40		₩
Other Pest or Pathogen	Asian Longhorned Beetle													11 >40 (record each tree)		Claveland Metroparks of
														<u> </u>		-

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

Low = Only a few leaves or branches are exhibiting symptoms

Severity

Walnut (Thousand Canker)

Hemlock (HWA)

Other Pest or Pathogen

Project Label:	PCAP	Pr	oject Name:	Project Label: PCAP Project Name: 070EUN5
TANDING BIOMASS (required for emergent wedands) collected to Im clip plots (32-32 cm) from corners 1 and 3 in each intensive	ired for emerger	3 in each	intensive	
nodule. Required for VIBI-E score calculation. CT=check when othered	core calculation.	[]=duck	when	CLASSIFICATION
odule #	C7	Corner Corner	Corner	(FIT = excellent g Fit and Confidence
				Hrdrogeningrahis class CWETLANDS O
			11	o DEPRESSION

CC 3NC Eig. Fitu Fire T. *113 Conf Conf Conf Conf Confi-Conf= Conf-

D FOREST D swamp forest D bog forest D forest seep DEMERGENT D manh D wet mendow D open bog D SHRUB D shrub swamp D tall sh. bog D tall sh. fen O SLOPE (ground water by drology or on a physical slop) DIMPOUNDMENT a Beaver o Human o FRINGING o Reservoir o Natural Lake o RIVERINE o Headwater o Mainstein o Channel o COASTAL (specify subclass) Hie EPA VIBITIANI COMMUNITY CLASS (WETLANDS ONLY): BOG (strongly, moderately, weekly ombrotrophic) 7 7 7 Conf.

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

what for microhabitet fleatures. Select one or select two and everage the score,NOTE: If mod falls on a abope automatically gets ranked based on steepness (1-3) to begin + any feetures present

Slope 2 = falls on slope ~20*

Stope 3 = maximum steepness that can be safely sampled ~45°

feature is absent or functionally absent from the wetland

lope 1 = slight elevational grade across module (hill)

feature is present in the wetland in very small amounts or if more common, of low quality

testure is present in moderate emounts, but not of highest quality, or in smell amounts of highest quality

10 feature is present in moderate or greater amounts and of highest quality

n	3	7	mgd# corner (F	
a	36	Q	(count)	lxlm	depth 3	tussocks	no. of
α	OC.	ρ	(count)	3,16x3,16m	uplands (Tip-Ups) depth 2	hartmocks	ng. of
Q	C	0	(count)	10x10m	depth I	depressions	no. macro.
V.	76	/	(cougt)	10x10m	depth i	(2-12 cm)	c.w.d
CA	C	0	(count)	l0x10m	depth 1	(12-40cm)	c.w.d
0	-	0	(count)	10x10m	depth (¥80m	cwd
-	-	_	(rank)	10x10m	depth (interspera.	microhab
-	-		(rank)	10×10m	SLOPE		microhub.

Plot No.

Cheveland Stehnsparts Page: 1 of 1

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

+315 degrees	+270 degrees	+225 degrees	+ I 37 degrees	+135 degrees	+90 degrees	+45 degrees	Ål aspect	_
8	ă	3	ã	8	ä	ž	ă	
WW	W	SW	S	SE	E	NE	z	
								LF1+
								TSI**
	ZW.WY.	e) e of person	recorders eye to	TSI measure	angles formed by local slopes. For	horizon. TSI is	LFI is angle of	

*Landform Index (position within landscape)
** Terrain Shape Index (site microtopographic shape)

CROWN COVER (DENSIOMETER). Make 4 readings per module facing N. S. E. W. Place dot count corresorating space. (4 dots per grid square)



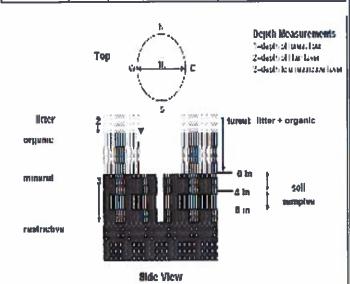
COVER BY STRATA

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.



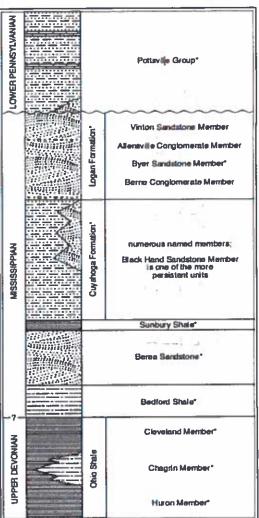


FIGURE 3-20.—Generalized section of Upper Devoman, Mississippian, and Lower Pennsylvanian formations in northeastern Ohio. Asteriaks indicate units that are fossiliferous. This composits section represents about 400 meters of rock exposed across the steat. The section is not to each, but the thicknesses indicated are propertional. The term "Waverty" is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European nerm "Carboniferous," which encompasses the Mississippian 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 missive sandstone that is furly widespread but discontinuous. See Hyde (1953), Hoover (1960), and Colins (1979) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

CLEVELAND METROPARKS Plant Community Assessment Program - Soits, Crown Cover, Standing Biomass Data Sheet 6a
Project label: PCAP Project Name: 05 5 7015

(E) Cacroband Metroparks

Page: 1 of 1

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

Soil plt module #

(one per entire piot)

20 cm 6 cm matrix color matrix color nyur cond. exture edox features** redox features** stoor bax syou prince mottle ottle color ottle color ∹ S Z z U □ Impermeable surface Soil Series/Type: Well drained Depth to rest. Layer: Somewhat poorly dr. Excessively dr. andform type 3.8,9 composited rent Material

refer to texture classes on reverse side hydro. cond ***

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

ndundated 5-saturated M-most D-dry

3-10- Vamos

I S M D

Votes: include evidence of earthworms (worms,

5-Killing Can-2

7-noward

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

 Somewhat excessively Moderately well dr.

4

D Very poorly dr

record as >30 organic depth | litter+ 2 litter water depth (cm) depth sat

Soil Series Source: Ohio Soil Survey SOIL SAMPLES Standard procedure: collect a soil Soil Collection Moduld Herizen (A. B. C) sample of the top 10 cm of soil from center of each intensive module and composite the sample Soil Survey inform ***>5c Bould Bedrock Gravel EARTI · Grave Boulder Histosol Muneral - tarig

COVER	
COVER BY STRATA **timate using midpoints of 5,ex:3, 8, 13	
VTA points of	
5,ex:3, t	
1, 13	
*	

(Aquatic)*	(Floating)*	Herb	Shrub	Tirce	Strata
		0 2	2.5	5	Height Range (m)
		23%	63%	8870	Total Cover (%)

rooted and floating or slightly emersed

submersed, most plant mass below surface

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

H SURFA	H SURFACE & GROUND COVER	ND COVER	-
ying Eart	ying Earth Surface*	Ground Cover	
10000	percent	(Each ≤ 100%)	percent
	1	Coarse Woody Debris***	20%
Seri	100%	100 % Fine Woody Debris****	50%
Cobble*	1	Litter	1
1	١	Duff (Ferm + Humus)	1
	1	Bryophyte- Lichen	1
:I-Cobble = 1/16-10*	1/16-10"	Water	-
der = > 10 in	En .	Bare Soil	15
cm in diameter	neter	Rond/Trail	1
	S can in diameter	Other	_

Gravel

Deer

Bootleg unsanctioned

Hikung sanctioned

Bridle

All Purpose Y P

scord type and cover for each

%Cover

SOUR !

Ž	3
SIZ	
ZE	

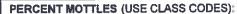
azis sold x 009. a > 100 x plot size

10-100 x plot size

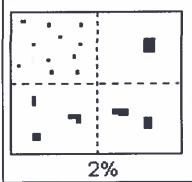
3-10 x plot size x plot size

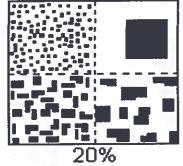
< plot size

6aCM PCAP Soils_Crown cover_Landform_Standing Biomass_Data Sheet_ver 3.xls last revised 6/4/2012 ceh



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





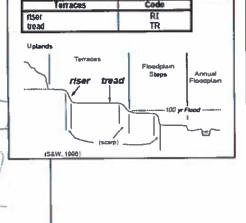
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but 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 clayer, 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 microleaures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Fiat Plains.

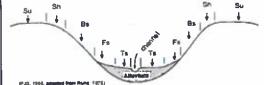
e.g., (for Hills) nase slape or NS.

Hillis	Cod	8
	POP	NASIS
interfluve head slope nose slope side slope base slope	IF HS NS SS	IF HS NS SS BS
	T Head	



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

Position	Code
summit	SU
shoulder	SH
backslope	BS
footslope	FS
toeslope	TS



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

UPLAND: Not a wetland. Very rarely flooded.

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

PERMANENTLY/SEMIPERMANENTLY SATURATED. Dry less than once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier.

OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often characterizes flood-plain upper terraces.

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier.

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

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

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

UNKNOWN: The hydrologic regime cannot be determined from the available information.