Project Label:	РСАР	Plot N	o: 1018 Date Sampled: 07/08 > Lead: LANC
-			Comment required if item answer is NO
Parking/Access outsi	le of Park Boundaries:	YW	If yes, write details in Comments section below
Field journals comple	ted	(A) N	
Site sketch made on 1	:3000 map?	(Y) N	
Check cover page	X-axis Bearing of plot recorded	(W) N	
	GPS coords. Recorded	И	
	North direction recorded	(Y) N	
	Photographs taken?	N	
	Relocated Pins Mapped	N	
Plot No., Date agreen		N	
leader data complete		(2) N	
	d in all Intensive modules	N N	
Browse Level By Spe		N CON	
7 72		Y N	Charle signs line and around the limit the Toron Charles
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nvasive plant quality	CONTOI CRECK	Y N	WIT
Ash trees mapped	- Data - Data -	S N	
	t/Pathogen Datasheet	Y N	
Cover by Strata? (con		Y N	1.14
	with matching plot #.	YN	NIA
Cross check 2010 inf		Y N	Highlight any changes from 2010 information
ouchers labeled on	datasheet with initials and number	(N) N	10. 68%
ouchers labeled on	collection bag	(Y) N	
Pink flags removed		(XX) N	
Data sheet QA before	leaving site?	OY N	
Common equipment	returned to tub.	(Y) N	
Data sheets scanned?			Enter date to left
inal data sheets scan	nci?	93	Enter date to left
Buffer Widths measu	red?	YN	9528
Web Soil Survey		YN	
Voucher Location	Refrigerator	YN	
# vouchers collected)	Press (#)		Enter number to left
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	The state of the s		(CN is seened by London
□ No	Original GRTS point lands in a non  Doint falls in a water (i.e. river.	lake)	
- KAV- 210	Managed moved area (i.e. gold     Payed area (i.e. gold		ight-of-way)
	☐ Paved area (i.e. parkinglot, road) ☐ Unsafe to sample (i.e. steep alop		
	Other     Other	-,	
Additional Commen	M*		
regional Complete	2.77	92	<i>O<sub>k</sub></i>

s in Bold and Unde	Authority: G&C Pub Date: 1998	TAXONOMIC STANDARD		bryo	vascul. vascul. n/a	high modera. low not smpl	TAXONOMIC ACCURACY	- Hurried data		Avery thorough how much effort put into	Effort Level: subjective evaluation of	SAMPLING QUALITY*	□ Perm. water □ Paved □ Slope □ Safety	PLOT NOT SAMPLED: DOther	•• Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.		C	R. Eagle Crew	D. Sweet Bot Asst.	ider		17 lo 15		Level 5 (nested corners sampled)	D Level 4 (no nested corners sampled)	1018	o River		Project Name: 024:2015	Project Label: PCAP	GENERAL INFORMATION	CLEVELAND METROPARKS Plant Com
*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	□ Systematic (grid) □ Capture specific feature □ Other	Random   Stratified Random   Transect component	Plot placement: ARTS I Representative	Photo Nos.: 30	Camera No.: 3	Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED	Depth: (1-5):	X-axis Bearing of plot: [354] °	Plot size for cover data: • (hectares)	GPS File Name: 018	Coord. Accuracy: off off 3+-	Longitude: 81, 7027)	Latitude: H. 21217	x = O y = O (base of plot $x=0$ , $y=0$ )	GPS location in plot $x=0$ to 5, $y=-1,0,+1$ ):	Datum: ■ NAD83/WGS84 □ NAD27	□ Other (specify) ■ m □ ft □	■ Lav/Long □ UTM □ StatePlane ■ deg □ deg min	Coordinate system: Coord. Units	Source of coordinates   MAP   GPS	If data not public why?	Reason:	o Fuzz 100m o Fuzz 250m o Fuzz 500m	Check one: Public data Private Data	Data Confidentiality:	Landowner: CMP	Loop Dr. /Racky River	Local Place Names	Quadrangle:	State: OH County: Medino	LOCATION	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet
9. 	ine carropy. Sparce shrub layer	the Company of	black maple, and sycamore domino		Thoodplain Community		Ves. Oravacter's Hics & High III		Kattonale & GRTS: PCAP re-same		(do NOT CONCE IT	Class (Net) o	Loop Or Comment	10 Kocky Kiver, Can be accessed by	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Location > Plat is last	rayout , xx		dominants, strata, BROWSE). Additional notes in space on back	nishirishape defails	Doing on	4 4	#1 #2 #3	1 21 2		plot: #10	2.10 3 4 3 4	See Tro	מין אין	XIV CT	- FR	d Data Sheet
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CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	nmunity Assessment F	Program - Back	ground Data	Sheet			Columbia	( Cherium Meiner	
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	Compositional trend across the plot		Current	Current Land Use:	PARK	- CON	CONSERVATION		
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SALINITY*	□ Intermittently/seasonally saturated		□ Semipermanently flooded	y flooded					
Saltwater	(seldom flooded)	u	- Permanently flooded	paped					
o Brackish	о Реппаленtly/Semipermanent. saturated		□ Tidal/Seiche flooded daily	oded daily					
o Fresh	(dry <1/yr, seldom flooded)		☐ Tidal/Seiche flooded monthly	oded monthly					
xq (pland (n/a)	opceasionally flooded (<1/yr)		☐ Tidal/Seiche flooded irregular	oded irregular					
0	a Temporarily flooded		(e.g. wind, storms)	ms)					
(by default unless plot is a wetland)			n Unknown						
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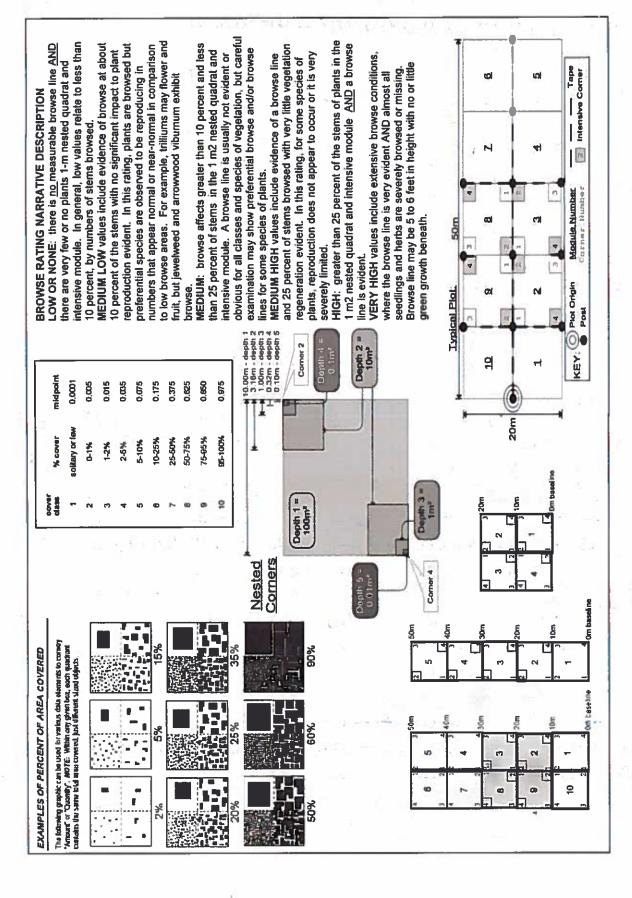
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CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet



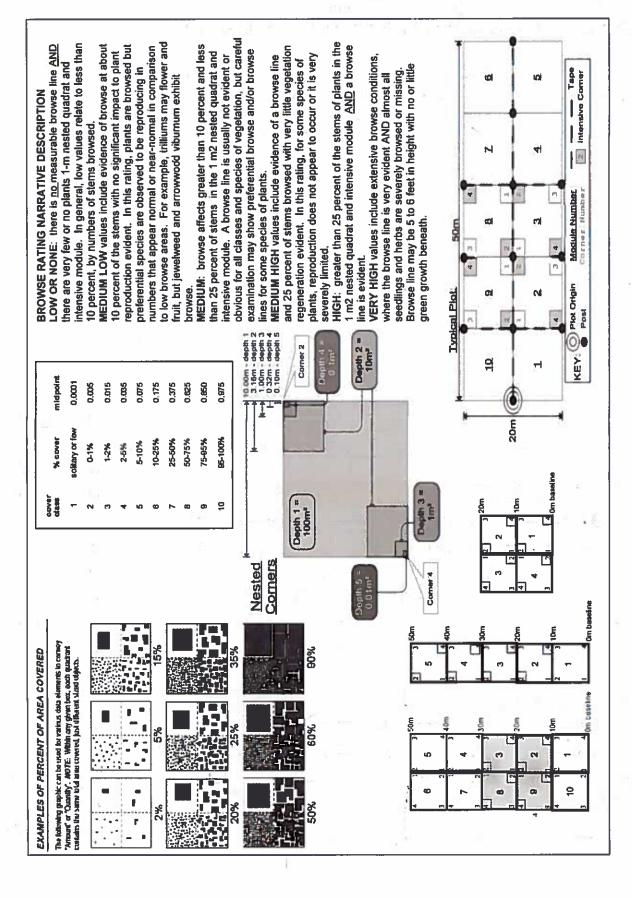
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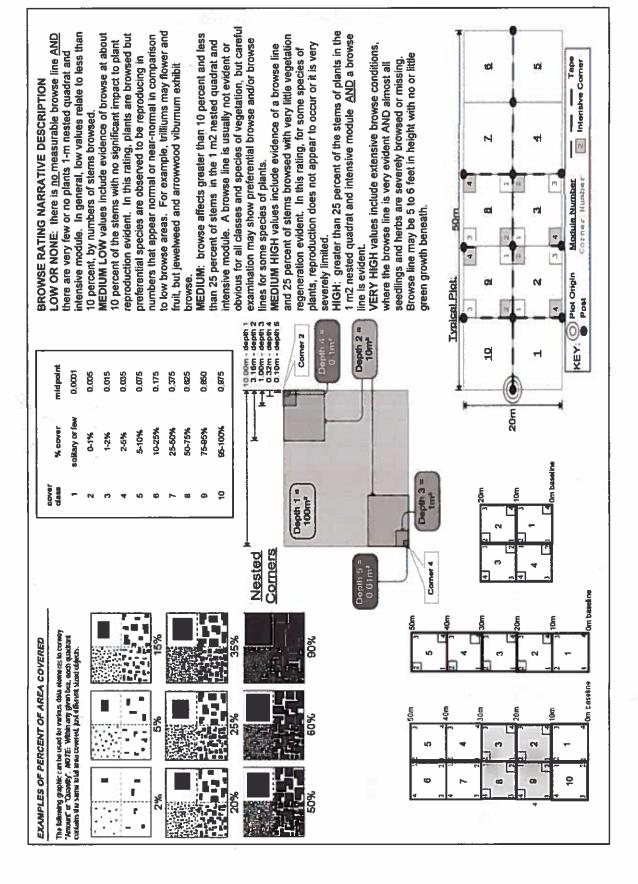


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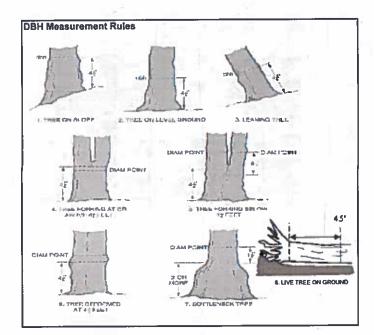
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### **Woody Stem Deer Browse**

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

- 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.



B

C

D

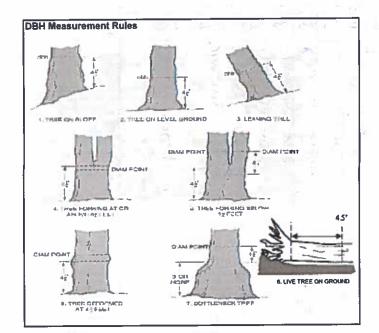
E

# 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.

	Project Label: PCAP Project Name: \$7.45.7015 Plot No.:	ľ	PCAP	,	Projec	t Name:	174	Project Name: \$7.4.7015		Plot No .: 1018	2101		Page:	2	으,	10 Cleve	2 Cleveland Retroparks
=111	Explain subsample (additional room on back):	90.0	ack):				•		15								
		$\dashv$		# stems	% sub	#	size class	(cm) woo	size class (cm) woody stems >1.4m	1.4m							
mod #	species	n	voucher#	0-1.4m browsed	or super	shrub clumps	<u>Ž</u> -	2 1-<2.5	25<5	5-<10	5 10 - <15	15 - <20	7 20 - <25	25 - <30	9 30 - <35	10 35 - <40	>40 (record each tr
6	Au nimum	1.1							, A	1			•			2116	
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	nixrum										•	×.			601		
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9	Spansing 2000										×						
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	THE PARTY AND TH																
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						. 20.		15									



### **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.

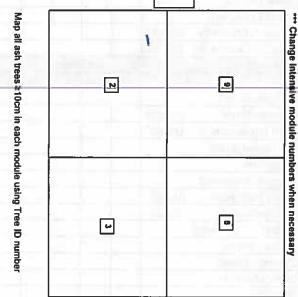
CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet

Project Label: PCAP

Project Name: DZM: 2015

Page: 1 of 2

N	N	N1	N.		N)				_		_			_		-	L	14.5			-			2	Manage 1
25	24	23	22	21	20	9	8	17	<del>5</del>	15	4	ಹ	12	=	6	φ	0	7	0	(J)	4	ω	2	-	l
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				Map all ash		-			H	-	7					113		*** Change							
				ill ast														Buer							



Tier 1: Early de	tection/	Rapid response		111111	Pre	ence	ALCOHOL:	GPS	
				NE	SE	SW	NW		Presence
Microstegium vimineum		Japanese stiltgrass							X: yes
Ranunculus ficaria		Lesser Celandine							2
Cynanchum louiseae	(vine)	Black Swallow-wort							
Butomus umbeliatus (v	vetland)	Flowering Rush						<u>.</u>	
leracleum mantegazzianum		Giant Hogweed							
Tier 2: /	Assess as	Needed		67	# of	Plants		comments	
				NE	SE	SW	NW		# of Plant
Acer platanoides		Norway Maple							1: 1-10
Ailanthus altissima		Tree of Heaven		L					2: 11-50
onicera japonica	(vine)	Japanese Honeysuckle							3: 51-10
ythrum salicaria (w	etland)	Purple Loosestrife							4: 101-1,0
Aegopodium podagraria (G	-cover)	Bishop's Goutweed							5: >1,00
Celastrus orbiculatus	(vine)	Asian Bittersweet							
orilis sp.		Hedgeparsley							
Conium maculatum		Poison Hemlock							
Rhamnus cathartica		Common Buckthorn	(shrub)						
Berberis thunbergii		Japanese Barberry	(shrub)						
Alnus glutinosa		European Alder							
Dipsacus laciniatus		Cut-leaf Teasel							
laeagnus umbellata		Autumn Olive	(shrub)						
Lonicera maackil		Amur Honeysuckle	(shrub)						
Euonymus fortunei		Wintercreeper							
	esence is	of Interest			# of	Plants		comments	32
		Maxing and a second	1 2	NE	SE	SW	NW		# of Plan
Convallaria majalis (G	i-cover)	Lily of the Valley							1: 1-10
	3-cover)	Crown Vetch							2: 11-50
leutherococcus pentaphyllus		Five-leaf Aralia	(shrub)						3: 51-10
		Japanese Pachysandra				Т			4: 101-1,
Philadelphus coronarius		Mock Orange	(shrub)		Т				5: >1,00
	G-cover)	Lungwort							=
Rubus phoenicolasius		Wineberry		П		1			
	vetland)	Yellow Flag Iris			İ				
Ornithogalum umbellatum		Star of Bethlehem							
Viburnum opulus var. opulus		European Cranberry	(shrub)						
/iburnum plicatum		Doublefile Viburnum	(shrub)			1			
	spread a	and abundant			Pre	sence		comments	100
		The second second		NE	SE	SW	NW		# of Plan
Alliaria petiolata		Garlic Mustard							1: 1-10
Ligustrum vulgare		Common Privet	(shrub)		1				2: 11-50
L. morrowii, L. tatarica		Bush Honeysuckles	(shrub)						3: 51-10
Phalaris arundinacea		Reed Canarygrass							4: 101-1,
<del> </del>	etland)	Phragmites							5: >1,00
Polygonum cuspidatum	,	Japanese Knotweed				1			
Frangula alnus			(shrub)			$\top$			
Rosa multiflora		Multiflora Rose	(shrub)	1					
Typha angustifolia, T. x.glauca	· · · · · · · · · · · · · · · · · · ·	Cattails (wetland)	·	1	$\top$			·	
Cirsium arvense	·	Canada thistle			$\top$		1	*	
Dipsacus fullonum		Common Teasel	<del> </del>		$\top$		<del>                                     </del>		
Pibagena innoniniii				-		+	<del>  </del>	·	_
Hesperis matronalis		Dame's Rocket							

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

CLE	CLEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheet	Communit	y Assessmer	nt Program	Forest	Pest an	d Patho	gens D	ta She	er			<b>(1)</b>	land Madrocarks	
	Project Label:	P	PCAP	Projec	Project Name: 02 H; 2013	02H	2017		Plot No.:	2101	-	Page:	-	Of :	-
			*	size class (cm) woody stems >1m	m) woody	stems >1r	3								
mod #	species	voucher#	shrub clumps	<u>y</u> -	2 1-<2.5	3 2.5~5	5-<10	5-<10 10 - <15 15 - <20	6 15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	10 35 - <40	7 8 9 10 11 1 1 20 - <25 25 - <30 30 - <35 35 - <40 >40 (record each tree)	
_	Nove oresent				Ý										
2			1										X		
ω															
4			V												
O1															
6															
7												e.			
8															
9															
10															

Shrub Strata (size class 3 or above) Tree # of stem Infected Severity (H.M. or L) \* IF EVIDENCE OF PEST OR PATHOGEN RECORD TOTAL SPECIES POPULATION IN THE PLOT EVEN THE NOT INFECTED

* Write None Present if no evidence:	nce:
None Beech (Fungus)	Asian Longhomed Beetle
Hemlock (HWA)	Other Pest or Pathogen
Wong Walnut (Thousand Canker)	nd Canker)

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

Low = Only a few leaves or branches are exhibiting symptoms

Severity

(size class 2 or below including shrub clumps)

STANDING I in 0.1m clip pl module. Requ collected CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
Project Label: PCAP Project Name: 024, 7015

Plot No.: 1018

@ Glovel and Metroparts

Page: 1 of 1

	Ì	è	lots (32v32 c	
		C7	lots (32-32 cm) from corners I and 3 in each intensive fired for VIBI-E score calculation. C7=check when	BIONASS (required for emergen) wedged to collected
- O		Comer Comer	and 3 in each on. C?=check	
11.0		Comer	intersive when	20 202

lodule #

CLASSIFICATION		
(FII = excellent g Fit and Confidence		
Hydrogramarzhic class (WETLANDS ONLY):		
o DEPRESSION	17:	Conf-
O IMPOUNDMENT O Beaver O Human	1	Conf=
o RIVERINE o Headwater o Mainstein o Channel	7	Conf-
to SLOPE (ground water by drology or on a physical slope	Fire	Conf=
o FRINGING o Reservoir o Natural Lake	₹ 	Conf-
n COASTAL (specify subclass)	₹ 	Conf=
a BOG (strongly, moderately, weekly ombrotrophic)	File	Conf=
Ohio EPA VIBLEI Community Class (WETLANDS ONLY):	ă.	
a FOREST a swamp forest a bog forest a forest seep	7	Conf
O CARNOCAL INDIAN III WEI HERROW III OPEN OUR	1	Cons-
CONTROD CHANGE SWAMP CHAILSO, DOZ CHAILSO, ICH	-111-	Contra

# MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only white for microhabitat features. Select one or select two and average the score.NOTE: If mod falls on a slope suformatically gets ranked based on sleepness (1-3) to begin + any features present

feature is absent or functionally absent from the wetland

laps 1 = slight elevational grade across module (NII)

Slope 2 = falls on slope ~20 \*

- teature is present in the wettend 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
- 10 feature is present in moderate or greater amounts and of highest quality

٩	00	n	2	modil					
				сопист					
0	0	0	C	(count)	lxim	depth 3		iussocks	ng. of
0	0	0	0	(count)	3,16x3,16m	depth 2	uplands (Tip-Ups)	hummocks	no. of
	4	~	_	(count)	10x10m	depth I		depressions	ло. тасто.
26	18	0)	19	(count)	102102	depth 1		(2-12 cm)	cwd
0	_	1	2	(count)	10x16m	depits t		(12-40cm)	cw.d
0	O	0	0	(ogunt)	10x10m	depth 1		>40 cm	cerd
8	v	W	ے	(rank)	10x10m	depth 1		interspers.	microhab
1	-	_		(ramk)	10x10m	34078			microhab.

Slope 3 = maximum steepness that can be safely sampled ~45° 225 degrees 270 degrees +90 degrees 180 degrees +45 degrees 135 degree At espect ¥. WS 풂 ٤ SE z

McNAB INDICES (degrees) + for up - for down [FILLED OUT USING OIS PROGRAM - DO MOT FILL OUT IN FIELD] Terrain Shape Index (site microtopographic shape) Landform Index (position within landscape) I.Fi TSI LFI is angle of plot to the horizon. TSI is angles formed by local slopes. For TSI measure angle from recorders eye to eye of person (e.n. standing ~ 10 m

CHOWN COVER (DENSIOMETER) MALE 4 readings per module facing N, S, E, W. Place doi count contracteding space. (4 dots per grid square) 0 0 0 2 C

PACTE: bassock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.

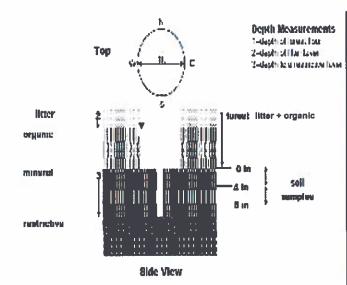
COV	/ER	BY	STD	Δ.	ГΔ

COVER BI SIRAIA	
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.



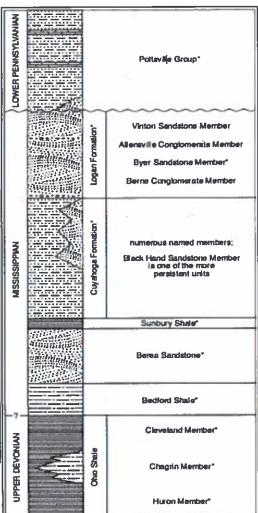


FIGURE 3-20.—Generalized section of Upper Devoman, Miniscippian, and Lower Pennsylvanian formations on northeastern Ohio. Asteriaks indicate units that are fossiliferous. This companies section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waverly is used in the older literature to refer to Miniscippian rocks in Ohio. Some geologists use the European resm "Carbonisrous," which encompasses the Missisppian and Pennsylvanian Periods of the U.S. Many timits have been asmed within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hind Member 19 a spectacular measure seasons that is fairly undergread but discontinuous See Hyde (1953), Hoover (1950), and Calms (1978) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: 624, 2015 Plot No .: 10 18

Cicretand Reboparts

Page: 1 of 1

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

20 cm 2 2 3 matrix color matrix color lexture\* oxid roots redox features\*\* redox features\*\* oud roots smorte •mottle ydr. cond.\*\*\* ottle color ttle color S M D z

\*\* e.g. hydrogen sulfide odor, gleying, etc. refer to texture classes on reverse side

hydro. cond.\*\*\*

I S M D

indundated S-salurated M-most D-dry

astings, middens) lotes: include evidence of sarthworms (worms,

3- worms, castings, mi 2 - worms (2), castings,

8 - works, midsurs, + 4-1001ms (2) misdar (2)

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

DEALNACE	Soil Series Source: Ohio Soil Survey  Landform type:  Depth to rest. Layer:  Parent Material:	Web Sell Survey Information: Soil Series/Type:	Soil Collection Modul Herizon (A. B. C)
----------	---	--	---

0.1 cm in center of intensive modules. If >30.5 cm, SOIL DEPTH MEASUREMENT: Measure to the nature record as >30

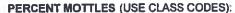
4	8	8	7	modif
2.5	0.5	1.6	1.5	l litter+ organic depth (cm)
2.5	0.9	1.6	1,5	2 litter 3 depth (cm)
0	0	0	0	enter depth
0	٥	6	C	depth sat soil (cm)

Underlying Earth Surface*	h Surface*	Underlying Earth Surface* Ground Cover
(9600) - umg	percent	(Each ≤ 100%)
Histosol	1	Coarse Woody Debris***
Mineral Soil	100%	Fine Woody Debris****
Gravel-Cobble*	1	Litter
Boulder	1	Duff (Ferm.+ Humus)
Bedrock	1	Bryophyte Lichen
• Gravel-Cobble = 1/16-10*	=1/16-10*	Water
••Boulder = > 10 in	im	Bare Soil
••• >5 cm in diameter	neter	Road/Trail
	uncier	Other

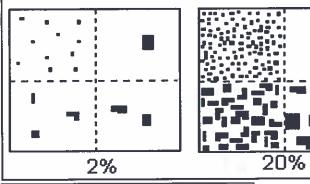
COVER BY STRATA	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	xx3,8,13 %
Strate	Height Range (m)	Total Cover (%)
Tirete	5	93%
Shrub	\$ 5	1390
Herb	5.0	839.
(Floating)*		
(Aquatic)*		
rooted and fo	* rooted and floating or slightly emersed	8.
** submersed,	** submersed, most plant mass below surface	surface
SEE BACK OF	SEE BACK OF PAGE FOR TYPICAL'STRATA DESCRIPTIONS, STRATA CAN VARY BY COVER TYPE.	L'STRATA RY BY COVER TYPE.
	A 44 44 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4	

SIZE				
e e	Gravel	a Bridle  Hiking sanctioned  Bootleg unsanction	All Purpose	TRAIL INFOR
		oned	990 20 901 11	LL INFORMATION: rd type and cover for each
	ย		%Cover	ach

STAND o 1-3 x plot size G 3-10 x plot size 10-100 x plot size > 100 x plot size < plot size >600 x plot size



Class	Code		Criteria: % of
115	Conv.	NASIS	Surface Area Covered
Few	f	#	< 2
Common	c	#	2 to < 20
Many	m	#	≥ 20



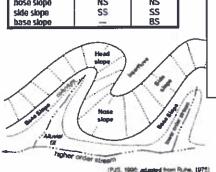
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but 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.

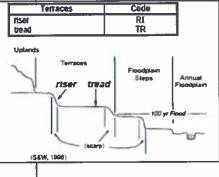
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures 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.

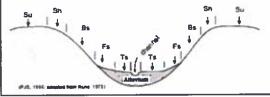
Hills POP NASIS
Interfluve IF IF
head slope HS HS
nose slope NS NS
slde slope SS SS





Hilislope - Profile Position (Hilislope 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.