CLEVELAND MET	FROPARKS Plant Community Ass	essment Program	: Quality Control Form	Gieveland Metroparks
Project Label:	PCAP PCAP		o: 1332 Date Sampled	: 7/10 Lead:) Miller
				•
Parking/Access outsi	de of Park Boundaries:	Y (N)		ired if item answer is NO
Field journals comple		(Y) N	If yes, write details in Com	ments section below
Site sketch made on 1		(V) N		
Check cover page	X-axis Bearing of plot recorded	(Y) N	-	
	GPS coords. Recorded	(Y) N		
1	North direction recorded	(Y) N		
	Photographs taken?	(Ŷ) N		
Plot No., Date agreen		(Ŷ) N		
Header data complete		(Ŷ) N	 	
	d in all Intensive modules	(Ÿ) N		
Browse Level By Spe		Ø N		
Woody stem quality of		QN		
Invasive plant quality		W N		
Ash trees mapped		Ø N		
Cover by Strata? (con	firm cover type)	Ø N	-	
	with matching plot #.	(V) N		
	latasheet with initials and number	Ý N		
Vouchers labeled on c		Ø N		
Pink flags removed		(Y) N		
Data sheet QA before	leaving site?	Ý N		
Common equipment re		Ø N	-	
Data sheets scanned?		D7/12/13	Enter date to left A.S	
Final data sheets scann	ned?	1/14/13	Enter date to left	
Buffer Widths measure		(Y) N	BB 6-23-1	2
Web Soil Survey		(Y) N	12/11/11/23	199
Voucher Location	Refrigerator	(Ý) N	13queg 15 K	٠ـــــــــــــــــــــــــــــــــــــ
(# vouchers collected)	Press (#)	10 1	Enter number to left	
· ·	Drier	YN	Likel humber to telt	
JAM 10	Identified	YN		
	Mounted	YN		
	Thrown away	YN		
	on: Is piot sampleable?			
ජ Yes	Original GRTS point is sampleable			
□ No	Original GRTS point lands in a non-	sampleable area (fi	II in category below)	
	☐ Point falls in a water (i.e. river.			
	☐ Managed moved area (i e golf	course, picnic area, righ	t-of-way)	
	☐ Paved area (i c parkinglot, road) ☐ Unsafe to sample (i e steep slope	1:		
	Other	,		
Additional Comments	:			
Data Quality Control	2011 xls last revised 6/20/2011 c	eh	Natural D	esquirces Mangement Form ND/20

Minimum required fields in Bold and Underlined TAXONOMIC STANDARD vascul Effort Level: SAMPLING QUALITY* PLOT NOT SAMPLED: TAXONOMIC ACCURACY CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet GENERAL INFORMATION Accurate Hurried Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. ind date (if > 1 day): 7 / 10 / 2013 lot No.: Yot Name: Boach, you don't Know roject Label: PCAP Pate (mm/dd/yyyy): 7 /09 / 2013 roject Name: 0) NC 2013 whats in this piot Level 5 (nested corners sampled) Level 4 (no nested corners sampled Totale Donskowski □ Paved □ Slope □ Safety modera. how much effort put into subjective evaluation of may still provide good sampling. Hurried plots Pub Date: Role** 岛大名学 Plot leader Woody Tech low o Other not smp 0 = x 🛘 Random 🖺 Stratified Random 🗖 Transect component Plot placement: GRTS Photo Nos.: 1440 Camera No.: 63 GPS location in plot x=0 to 5, y=1,0,+1): State Depth: (1-5): 4 Plot size for cover data: GPS File Name: | 382A Intensive modules: 7. 3, 8, 9, 4 Coord. Accuracy: - m - ft Datum: ■ NAD83/WGS84 □ NAD27 ■ Lat/Long □ UTM □ StatePlane Source of coordinates

MAP Check one: Public data Private Data Coordinate system: If data not public why? □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Data Confidentiality Langitude: W 051 . 425 4 Latitude: N 41, 56 Other (specify) Local Place Names: Quadrangle: LOCATION *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Systematic (grid)

Capture specific feature
Other andowner: CMP X-axis Bearing of plot: y = Q (base of plot x=0, y=0) Forest Picnic Avea 0 County: Cuyahoga ■ deg □ deg min Representative mofto Coord. Units ■ GPS . **[**58] EDIT IF MODIFIED hectares) Attatonsive modules may need to be rearrange Follow the "Maple" trail (ovarage blazes) for several hundred meters. The plot is fanother trail located at the intersection of this content), Rationale (why here), and Veg Characterization (description of community NOTES: Include Layout (any unusual shape details). Location (directions and landscape dominants, strata, BROWSE). Additional notes in space on back. Layout - 2x5 Key: O(0.0) point Opoint Veg. Characterzaton Mature buch-mayor w/ TRAIL Rottomale - GIRTS point large sugar maples and beech, younger tree growth mostly beech. X 4 photo taken, with direction 8# 4 ŧ #7 (B) Cluevium Mutrus Page 1 of 2 permanent posts OVER 3 146 Modified Intensives

8

G Strata - Cov. entire plot CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Cleveland Total modules: Project Label: S H (F)(A) Br 5 5 10 σ, Hammamans Vira niana Viloumum acentalista Vitis aestivalis Tilia amenicano Mass spo. Dryppiens Sap Poncese Sassations albidum Acer rubrum Viola Sop. Forgus groundifolion Prumus scratina totorizer Liviodendina hilliatea Lindura Smilax rotundifolion Majanthemum canadense Acer saccharum Frakinus U spo forsauma triphyllum trax thus ticer spop (seed lina 1014 ganatum Podophyl describe amount of browse per species over 0 Br = Browse Level. Use cover classes to MIOTINSA llum peltatum Species Spp. (Seedling entire plot PCAP o Floren to: any llum ဂ %unveg. ground (bare soil) Intensive modules: 4 %unvegetated open water Estimate for each intensive module: %unveg. litter (bare litter) 73 Project name: 01 NC 2013 AM IIO Voucher# %open water 5 depth 1 Ö Bott ヹ comer mod comer C 12 2 cov | depth cov depth 9 1 6 Plot configuration: 2×5 17 8 ğ depth **B** 4 N N 4 2 8 S G cov depth Plot no.: 1332 0 C depth 73 W mod 10 T 2 1 2 comer N N 8 ş depth 2 S mod 3 C depth Q 2 cov depth 6 0 4 N ₩ M N comer Plot area (ha): O 8 8 X (1) mod T Page ___ of __ N 9 cov | depth 0 comer mod cov | depth E C N N 3 Ş 8 70 depth depth 70 N mod æ N ş come ş - added

2aCM PCAP Species Cover Data sheet Page 1 of x_ver 3.xls last revised 5/29/2012 ceh 7/19/13

CH 7/19/13

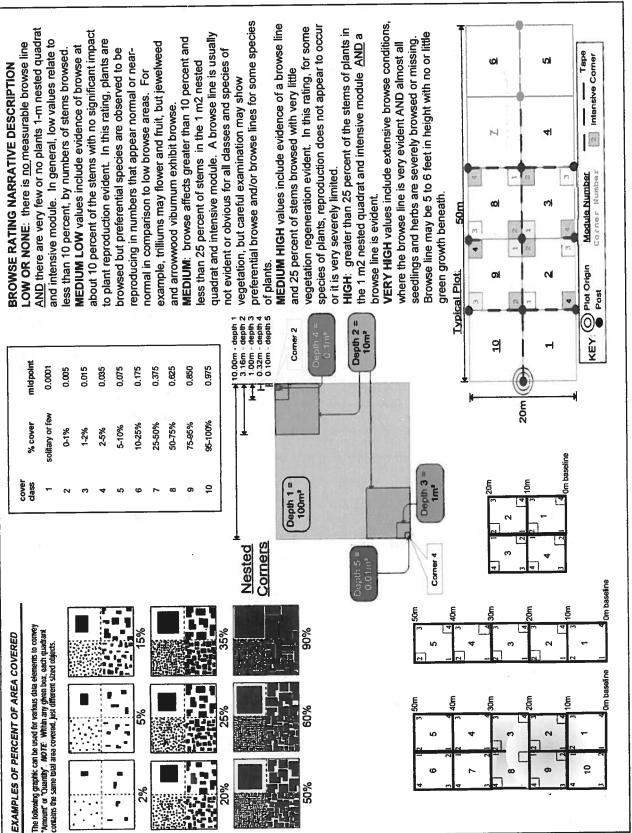
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7/19/1/3

SUM-1/2 HS Natural Resource Management FORM NR/2010-02a

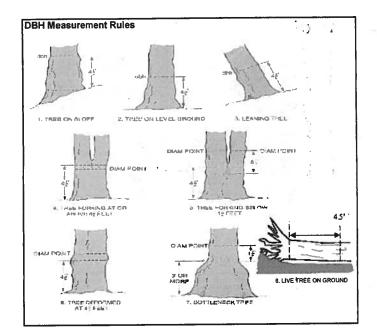
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after



2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

6 6 3 Fogus grand Howa CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Standing dead Standing dead Fagus grandifichia Sassafras albidim Standing dead Fagus grandifolia 11415 A Fogus grandificha Standing Bead Fagus granditalia Acer's acchours in Acer Sau barron Standing dead Explain subsample (additional room on back) Acer rubrum Acer satishurum Acer saucharum Acer wown Fagus grandifolia Standing Lead Vitis aestivavo Acer sacchanum iriodendron tulipefor Act Sachoway species Project Label: voucher# browsed # stems 0-1.4m or super % sub Project Name: UNC2013 clumps shrub # 9 0 00 阿。 size class (cm) woody stems >1.4m 7 阿阿 H भ **a** 1-<2.5 23 ** Q 4 2.5-45 9 6 Plot No .: 1332 5-<10 10 - <15 15 - <20 20 - <25 Page: 25 - <30 30 - <35 잋 Scienciand Metroparks 35 - <40 5 4.45 58.7 69.5 (3.L, S) 65.8,70.7 >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.



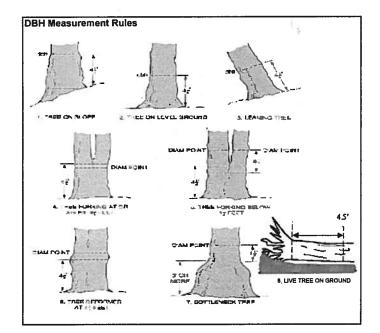
E

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.
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- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

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	EVELAND ME I ROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet
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PCAP

Project Name: 0[NC2013

Plot No.: 1332

Page: 🐉 🕇

Gleveland Metroparks

		Explain subsample (additional room on back):	bac	Š.														
					\rightarrow	$\overline{}$		size class	(cm) woo	size class (cm) woody stems >1.4m	1.4m							
	mod #	species	0	voucher#	browsed	or super sample	clumps	<u>7</u> -	2 1-<2.5	2.5-<5	5-<10	5 · 10 - <15	6 15 - <20	7 20 - <25	8 25 - <30	30 - <35	10	>40 (record each tree)
	ō	Lirodandron tulipikra								M			0					
	3	Acer Saccharum							H.O.	00	0 8					P.		
1	0	Standing Dead							0									
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Woody Stem Deer Browse

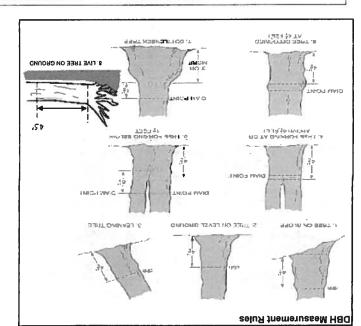
tall that exhibit evidence of this years deer browse. Record the number of stems/plants between 0.5-1.0 meters



Record using the tally system from 1 to





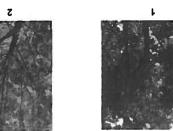












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(lowest branch) on the trunk.



3

a

(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition ASH CANOPY BREAKUP CONDITION (for dead trees):

tank as described below)

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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.

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet 24 22 23 2 20 16 15 3 10 Project Label: PCAP Project Name: 01 NC 2013 (cm) B B Ash condition *Dead condition ASH Only
Exit Epicormic
holes present NTENSIVE MODULES ONLY
PIOT NO.: 1332 Date: 10417 2013 Baseline Map all ash trees ≥10cm in each module using Tree ID number *** Change intensive module numbers when necessary ဖ 2 Page: 1 of 2 **∞** ω

* If Ash Condition scores 5 (dead) provide breakup score (A-E) Count EAB exit holes 1.25m≥ x ≥1.5m Woodpecker and epicormic marked present (1) or absent (0)

Rapid response		Proc	ence	9000	GPS	
napiu i esponse	NF	-	-	NW	910	Presence
Jananese stiltørass	145	36	200	1444		X: yes
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Siveeded	NE	-	-	NIA	Comments	# of Plant
INI-munic Manufa	ME	JE	244	1444		1: 1-10
	_	+-	-			2: 11-50.
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		_		\vdash		2: 11-50
Five-leaf Aralia (shrub)				\sqcup		3: 51-10
Japanese Pachysandra	<u> </u>	_		\sqcup		4: 101-1,0
Mock Orange (shrub)	<u></u>			\sqcup		5: >1,00
Lungwort				\sqcup		_
Wineberry						_
Yellow Flag Iris						_
Star of Bethlehem						_
European Cranberry (shrub)						_
Doublefile Viburnum (shrub)						
and abundant		Pre	sence		comments	
	NE	SE	SW	NW		# of Plant
Garlic Mustard						1: 1-10
Common Privet (shrub)						2: 11-50
Bush Honeysuckles (shrub)						3: 51-10
Reed Canarygrass						4: 101-1,
Phragmites						5: >1,00
Japanese Knotweed			1			7
Japanese Knotweed Glossy Buckthorn (shrub)						
Glossy Buckthorn (shrub)	\vdash	+	╁	1	····	
Glossy Buckthorn (shrub) Multiflora Rose (shrub)						
Glossy Buckthorn (shrub) Multiflora Rose (shrub) Cattails (wetland)						
Glossy Buckthorn (shrub) Multiflora Rose (shrub) Cattails (wetland) Canada thistle						
Glossy Buckthorn (shrub) Multiflora Rose (shrub) Cattails (wetland)						
	Mock Orange (shrub) Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass	Japanese stiltgrass Lesser Celandine Black Swallow-wort Flowering Rush Giant Hogweed Needed NE Norway Maple Tree of Heaven Japanese Honeysuckle Purple Loosestrife Bishop's Goutweed Asian Bittersweet Hedgeparsley Poison Hemlock Common Buckthorn (shrub) Japanese Barberry (shrub) European Alder Cut-leaf Teasel Autumn Olive (shrub) Amur Honeysuckle (shrub) Wintercreeper Sof Interest NE Lily of the Valley Crown Vetch Five-leaf Aralia (shrub) Japanese Pachysandra Mock Orange (shrub) Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant NE Garlic Mustard Common Privet (shrub) Reed Canarygrass	Japanese stiltgrass Lesser Celandine Black Swallow-wort Flowering Rush Giant Hogweed NE SE Norway Maple Tree of Heaven Japanese Honeysuckle Purple Loosestrife Bishop's Goutweed Asian Bittersweet Hedgeparsley Poison Hemlock Common Buckthorn (shrub) Japanese Barberry (shrub) European Alder Cut-leaf Teasel Autumn Olive (shrub) Wintercreeper July of the Valley Crown Vetch Five-leaf Aralia (shrub) Japanese Pachysandra Mock Orange (shrub) Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Bush Honeysuckles (shrub) Reed Canarygrass	Japanese stiltgrass Lesser Celandine Black Swallow-wort Flowering Rush Giant Hogweed NE SE SW Norway Maple Tree of Heaven Japanese Honeysuckle Purple Loosestrife Bishop's Goutweed Asian Bittersweet Hedgeparsley Poison Hemlock Common Buckthorn (shrub) Japanese Barberry (shrub) European Alder Cut-leaf Teasel Autumn Olive (shrub) Wintercreeper of Interest Lily of the Valley Crown Vetch Five-leaf Aralia (shrub) Japanese Pachysandra Mock Orange (shrub) Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant Presence NE SE SW Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass	Japanese stiltgrass Lesser Celandine Black Swallow-wort Flowering Rush Giant Hogweed NE SE SW NW Norway Maple Tree of Heaven Japanese Honeysuckle Purple Loosestrife Bishop's Goutweed Asian Bittersweet Hedgeparsley Poison Hemlock Common Buckthorn (shrub) Japanese Barberry (shrub) European Alder Cut-leaf Teasel Autumn Olive (shrub) Amur Honeysuckle (shrub) Wintercreeper of Interest NE SE SW NW Lily of the Valley Crown Vetch Five-leaf Aralia (shrub) Japanese Pachysandra Mock Orange (shrub) Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Bush Honeysuckles (shrub) Reed Canarygrass	NE SE SW NW NE SW NW

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

STANDING BIOMASS (required for emergent wetlands); collected in 0.1m clip plots (32x32 cm) from comers 1 and 3 in each intensive	equired for emerges	of wetlands); o	ollected						
module. Required for VIBI- collected	E score calculation.	C?≃check whe	9		CLASSIFICATION	ž			
Module #	C7	Corner Corner	пег		(FIT = excellent, g Fit and Confidence	d Confidence			
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				3	Ohio EPA VIBI Plant Community Class (WET) A	Community Class	rotrophic)		Conf=
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					o FOREST o swamp forest o bog forest o forest seep	prest = bog forest =	forest seep	Ì	Conf=
					a SHRUB a shrub swamp a tall sh. bog a tall sh. ten	mp o tall sh. bog o	tall sh. ten	File	Conf
MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only	FEATURE COL	JNTS - Inter	sive mo	dules only					
Ranks for microhabited feature.	s. Selections or sele	of her and suc	To the so	NOTE: I'm			F1_2		
Slope 1 = sight elevational grade across module (hill) Slope 2 = falls on slope -20° Slope 3 = maximum sterpness that car to safety sampled -45°	ade across module (1	rii)	S	Slope 2 = falls on slope ~20°	slope ~20°	Slope 3 = maxim	Slope 3 = maximum sterpness that can be safety sampled ~45°	can be safely sar	any features present npied ~45°
0 feature is absent or functionally absent from the wetland	nally absent from the	wetland							
7 feature is present in moderale amounts, but not of highest quality, or in small amounts of highest quality	ate amounts, but not	of highest qual	ity, or in sm	all amounts of hi	ghest quality				
					c.w.d coun	c.w.d count for pieces with minimum 1m length	ninimum 1m leng	3	
	no. of	no. of		no. macro.	p.w.s	c.w.d	cwd	microhab.	nucrohab
	tussocks	hummocks	cks	depressions	(2-12 cm)	(12-40cm)	>40 cm	interspers	
		uplands (Tip-Ups)	(sed						
	depth 3	depth 2	2	depth !	depth 1	depth I	depth 1	depth 1	SLOPE
	lxim	3.16x3.16m	6m	10x10m	10x10m	10x10m	10x10m	10x10m	10×10m
mod# corner	(coupt)	(count)	-	(count)	(count)	(count)	(count)	(rank)	(rank)
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			11						
NOTE: tussock and hummocks	3	H nested quad	rat comers	counted in BOTH nested quadral corners but counts are aggregated.	gregated.				
20		w.			4				2
Som PCAP Plant Cover_Earth Surface Total sheet Page 1_ver 3.xts test revised 5/29/2012 ceh	th Surface Data shee	#Page 1_ver 3),xis last rev	rised 5/29/2012 c	e T				d

NAB INDICES (degrees) + for up - for down

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: 01 NC 75(3)

Plot No.: 1332

@ Gleveland Bletroparts Page: 1 of 1

LED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]

+315 degrees	+270 degrees	+225 degrees	+180 degrees	+135 degrees	+90 degrees	+45 degrees	At aspect	
NV.	W	SW	s	SE	п	NE	z	
								LFI.
								TSI**
	away.	eye of person	recorders eye to	TSI mensure	angles formed by	plot to the	LFI is angle of	

dform Index (position within landscape) rrain Shape Index (site microtopographic shape)

ROWN COVER (DENSIOMETER). Make 4 cadings per module facing N. S. E. W. Place dot count in orresonding space. (4 dots not prid square)

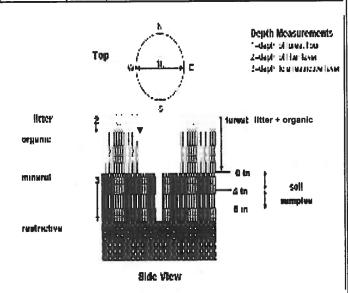
9	80	46	ນ	Module
Q	14	Ø	٥	z
-7	17	11	Ы	s
نت	Οĺ	G	تو	e
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COVER BY STRATA

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

[&]quot;Very tall shrubs are sometimes included in the tree stratum

^{***}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.



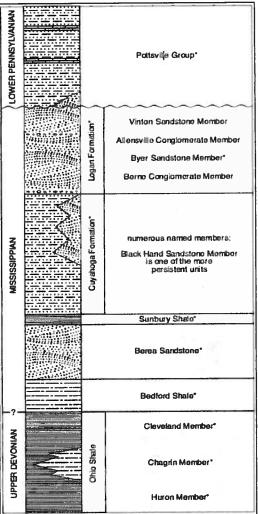


FIGURE 3-20.—Generalized section of Upper Devoman, Mississippian, and Lower Pennsylvanian formations in northeastern Ohio Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to eacile, but the chicknesses indicated are proportional. The term "Waverly is used in the older literature to refer to Mississippian rocks in Ohio Some geologists use the European term "Carboniferous," which encompanies 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 furth undespread but discontinuous. See Hyde (1953) Hoover (1960), and Collina 19. 9) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

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

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: 1332

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Page: 1 of 1

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

20 cm Soil pit module # 🐴 (one per entire plot) 5 cm redox features** matrix color texture* matrix color oxid roots oxid roots nydro, cond *** ydr. cond.*** cdox features** ottle color mottle ottle color 25.4 とか \mathcal{B} 2.54,5/0 Day Jour N N I S M D (S とさんな 9 んだん z $\left(\mathbf{z}\right)$ z 2

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

Notes: include evidence of earthworms (worms =indundated S=saturated M=moist D=dry astings, middens)

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

 Well drained Soil Series/Type: Impermeable surface Somewhat poorly dr. Excessively dr. Soil Series Source: Ohio Soil Survey Soil Collection Moduld Horizon (A. B. C) Parent Material: Depth to rest. Layer: 790° andform type: End maraines, Knollson cyroly 2,3,8,9 composited RAINAGE to Soil Survey Inf Moderately well dr. □ Somewhat excessively 10 - 511 Smorth Sitloam Very poorly dr. 9 98

2And 1300

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

	_				
	0	8	4	B	mod#
(1.6)	DO AT	100	2.6	2.1	I litter+ organic depth (cm)
	1.5	٥.١	2.5	2.0	2 litter depth (cm)
	Ø	Ø,	Ø	B	water depth (cm)
	8:01	0.01	0.0	0.01	depth sat soil (cm)

0

**** <5 cm in diameter Other	*** >5 cm in diameter Road/Trail	**Boulder = > 10 in Bare Soil	* Gravel-Cobble = 1/16-10" Water	Bedrock Strophyte Lichen	Boulder** O Duff (Ferm + Humus)	Gravel-Cobble*	Mineral Soil (65) Fine Woody Debris****	Histosol Coarse Woody Debris***	(Sum = 100%) percent (Euch ≤ 100%)	Underlying Earth Surface* Ground Cover	EARTH SURFACE & GROUND COVER
	0	Ë	al _	- Carrier Service	70	63	7	t	percent		

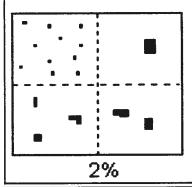
	COVER BY STRATA estimate using midpoin	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	%,ex:3, 8, 13
	Strata	Height Range (m)	Total Cover (%)
	Tree	17-5m	88
	Shrub	1,5-5m	5/3
	Herb	41.5m	00
	(Floating)*	,	0
	(Aquatic)*	•	Ø
	rooted and flo	rooted and floating or slightly emersed	sed
1	** submersed,	** submersed, most plant mass below surface	w surface
	SEE BACK OF	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY CO	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS, STRATA CAN VARY BY COVER TYPE.

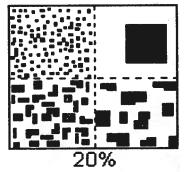
Bridle HiÑng santiioned Bootleg basandioned Gravel	Type %Cover	record type and cover for each	TRAIL INFORMATION:
---	-------------	--------------------------------	--------------------

□ < plot size	□ 1-3 x plot size	3-10 x plot size	□ 10-100 x plot size	n > 100 x plot size	n >600 x plot size	STAND SIZE	

PERCENT MOTTLES (USE CLASS CODES):

Class	C	ode	Criteria: % of
	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.

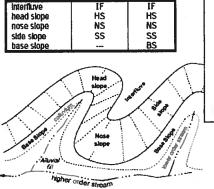
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

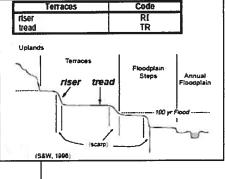
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Fiat Plains;

NASIS

(PJS, 1996; adapted from Ruhe, 1975)

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





Hilstope - Profile Position (Hilstope 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	1
shoulder backslope	SH BS	
footslope	FS	
toeslope	TS	,
Su Sh Bs	Fs granto	Sh Su Bs + +
IPJO, 1996; acepted from Ruhe	Albuvium	*

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.

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(<0.5m HIGH) Herbs, Forbs and	$\frac{\circ}{\circ}$	0	-	0	+=	 		.5m HIGH) orbs and	-	\bigcirc	0	0	0	-	(<	0.5m HIGH) Forbs and	191		-	0	
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Rock		0	0	0	0	ļ		Rock	0	0	0	0	0	<u> </u>	ļ	Rock	0	<u> </u>		0	
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Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																					
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																					
Desidential and this of the control															2	3	Flag				
Road - gravel			0	0	0		Ditches, Ch	nanneliza	ation		0	0	0		Pasture/Ha	у		0	0	0	
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Road - four lane		TEN	0	0	0		Water Leve	el Contro	Stru	cture	0	0	0		Row Crops		-	0	0	0	
Parking Lot/Paveme	ent		0	0	0		Excavation	Dredgir	ng		0	0	0		Fallow Field		RESTING	0	0	0	
Golf Course			0	0	0		Fill/Spoll Ba				0	0	0		Fallow Field SHRUBS, TREE	(OLD - GR	ASS,	0	0	0	
Lawn/Park	0		0	0	0		Freshly De		Sedim	ent	0	0	0		Nursery			0	0	0	
Suburban Residenti	al		0	0	0		Soil Loss/R	oot Expo	sure	31	0	0	0		Dairy	arti (0	0	0	
Urban/Multifamily			0	0	0		Wall/Riprap)			0	0	0		Orchard			0	0	0	
Landfill			0	0	0		Inlets, Outle				0	0	0		Confined Ar	nimal Fee	ding	0	0	0	
Dumping			0	0	0		Point Source (EFFLUENT OI	STORM	VATER)		0	0	0		Rural Resid	ential		0	0	0	
Trash			0	0	0		Impervious (SHEETFLOW)		input		0	0	0		Gravel Pit			0	0	0	
Other:	_		0	0	0		Other:			_	0	0	0		Irrigation			0	0	0	
Other:			0	0	0		Other:			_	0	0	0		Other:			0	0	0	
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Oil Drilling			0	0	0		Forest Clear	Cut			0	0	0		Herbicide Us	e		0	0	0	
Gas Wells			0	न	0		Forest Selec	tive Cut	M		0	0	0		Mowing/Shr.			0	0	0	\neg
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Mine (underground)			o	Ö	0		Tree Canopy		ry	1	0	0	0		Soil Compac	tion		+	_	_	-
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FO	RM	B-1	: E	UFF	ER SAMPLE PLOTS -	TAR	GE	TEC	ALI		(initial):		
Site ID:	PCI	AP	N	13	32	DAT	E: _(o.=	71	0912013				
O Confirm	rasian Watermilfoii													
Fill bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoll	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
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Flag Comments	3													
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05/27/2011

Buffer Sample Points - Targeted Alien Species

•		0	^ ^		W.H		FO	RM B-1:	BUFF	ER	SA	MPL	E F	LO				Review		and the		U.	•
Site	ID:	OCF	191	NC	13:	32	-								DAT	E: 07	109	_/	2	り.	13		
Locati					P				Fill	in t	ubt	ole(s) if [olot	s) co	uld not be	sample	ed ar	nd fi	ag -	→		
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Fill in bubble Strata Section	es for all ti on: Fill in a	hat apı approp	piy: Ca oriate (anopy cover	Type: class	D = i bubbl	Deciduos e for eac	ıs: E = Everare	Buffer en. Leaf 1 er each plo	Voe: £	3 = Br	nadlea	af: N =	Need	le Leaf	Absent: No tree loderate(10-40	e canopy. %); 3 = Hea	vy (40-	-75%);	4 = V	ery H	eavy	(>75%)
Buffer Plot 1	Canop	y Typ of Typ			\leftarrow	bser		Buffer Plot 2	Canop	y Typ			-	bser		Buffer Plot 3	Canopy			0	Ab	sen	
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Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																							
	-	# - 1118	101			10.00	riag			-	PIOT	1			Flag			it - Pic	ot	-			Flag
Road - two		-		0	0	0		Ditches, Ch		BOLOUTE		0	0	0	-	Pasture/Ha	у			의	의	의	11.55
Road - fou		_		0	0	6		(IMPEDE FLO) Water Leve		Stru	cture	0	0	0		Range Row Crops		Line I	-	의	의	0	
Parking Lo		nent		0	0	0		Excavation		0.0	Cluid	0	9	6	-	Fallow Field		RESTIN	-	의	의	0	
Golf Cours	_	307		0	0	0		FIII/Spoil Ba	-	.9		0	0	6		Fallow Field	0)			읽	9	히	
Lawn/Park			6	0	0	0		Freshly De	oosited 5	edim	ent	0	0	0	 	SHRUBS, TRE Nursery	ES)		-	र्ज ठी	허	히	
Suburban	Residen	tial		0	0	ō		Soil Loss/R		sure		0	ŏ	0		Dairy				0	ŏ	히	
Urban/Mul	tifamily			0	0	0		Wall/Riprap)			ŏ	ō	ŏ		Orchard		in No.	_	ŏ	허	히	
Landfill		1 4		0	0	Ō		Inlets, Outle	ets	TAIL.		0	0	0		Confined A	nimal Fee	ding	-	ŏ	- +	ŏ	
Dumping				0	0	0		Point Source		VATER	1	Ō	0	0		Rural Resid			_	ŏ	_	0	
Trash				0	0	0		Impervious (SHEETFLOW)	surface	input		0	0	0		Gravel Pit	ingress (o	- 1	Ŏ	
Other:				0	0	0		Other:				0	0	0		Irrigation			_	o	_	Ö	
Other:				0	0	0		Other:				0	0	0		Other:			_	ा		o	
Indus	strial De	evelo	pme	ent S	tres	sor	5					ı	Habi	tat/V	egeta	tion Stress	ors						71/0
III bubble	If prese	ent - F	Plot	1	2	3	Flag	Fill bubble I	f preser	nt - P	lot	1	2	3	Flag	Fili bubbi	e if prese	nt - P	iot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear	Cut			0	0	0		Herbicide Us	se			0	ol	0	
Gas Wells								Forest Selec	tive Cut			0	0	0		Mowing/Shr				0	-	o	
Aine (surface)								Tree Plantati	on			0	0	0		Trails			_	9		0	1
Mine (unde	rground)		0	0	0		Tree Canopy (INSECT)	Herbivo	ry		0	0	0		Soil Compac	ction		-	0	_	ŏ	
Military				0	0	0		Shrub Layer (WILD OR DOME	Browsec			•	NO.			Offroad vehi		16	-	0	-	0	
Other:				Ö	0	0		Highly Graze	d Grass	es		0	0	0		Soil erosion	(FROM WINE		FD		-+	0	
Other:	1			0	0	0		OVERALL <>" H Recently Bur		est		0	0	0		OR OVERUSE) Other:		- Jie		-	-	0	\dashv
Other:				0	0	0		Canopy Recently Bur	ned Gra	sslan	d	0	0	0		Other:				5	\rightarrow	0	-
-	g codes:	K = N	o mea		_			(BLACKENED) uspect measur	rement	F1,F2	etc.	-				y each field cre	w.	379			-	늬	
	ffer Sam					Expl	ain all fi	ags in comme	nt section	n on t	he ba	ck of t	his fo	rm				2	4283	1683	304		

FO	RM	B-1	l: E	BUFF	ER SAMPLE PLOTS -	TAR	GE	TEC	ALI	EN SPECIES (Back) Reviewed by	(Initial):		
Site ID:	PC	PIF) V	CZH	013 1332	DAT	E: _(D.=	<u> </u>	0912013				
O Confirm	a fille	ed da	ta bı	abbie ir	ndicates presence and an unf	ilied t	ubbl	e inc	licates	absence by filling in this bubb	le			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble If present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
										Other:	0	0	0	
	THE				PLOT COOR	DINA	TES	3						
Location of coordinat O AA CENTER Latitude	13	o s	3	O E3	O W3 O Nearest pra	Lor	ngitu	de V		g and comment below)			Fla	ag
Flag Comments	3								Tree			NII.		
1 Graves "Mo	ne	1	2.[]	Sanc	traned, orange blaze	5								
9,000	(Dic	- [[201	1 00/070	, , , ,									
				-										
			-											
					6 3 6									
							This is							a pull
										791	5662	354	8	

05/27/2011

Buffer Sample Points - Targeted Alien Species

•	D : P	ממ	ΩΛ	IA	10	2 '		RM B-1:	BUFF	ER	SAI	APL	E PI						ed by (li			<u>-</u> (
		UM	IF I	NO.	12	<u>)</u>	<u> </u>		T							07					1		
Location		_		_		0.	- ^									old not be	sample	ed ar	na tia	ıg –	•		
OAAC	enter		N	0	3	@ E	: 0	W	Buffer	lot '			Plot er Si			101.3							
Fill in bubble Strata Section	s for all th on: Fill in a	at app approp	oly: Ca oriate d	nopy cover c	Type: lass b	D = D	eciduou for eacl	s: E = Everare	en. Leaf T	voe: B	= Bn	adlea	f: N = 1	Veedle	Leaf. A	Absent: No tree oderate(10-409	e canopy. %); 3 = Hea	vy (40-	75%);	4 = Ve	ery He	avy (>75%)
Buffer Plot 1	Canopy			$\stackrel{\sim}{=}$		sen		Buffer Plot 2	Canopy		_		\rightarrow	sent		Buffer Plot 3	Canopy			<u>0</u>	Ab	sent:	
		f Тур	تحا				Flag			f Typ	$\overline{}$		- 1		Flag			Туре	$\overline{\Delta}$	$\frac{\omega}{\omega}$	2		Flag
Big Trees (>			0	0		0		Big Trees (>		 = 	0	(1)	$\dot{-}$	<u> </u>			(>0.3m DBH)	0	$\frac{0}{0}$	= 1 8			
mall Trees (< Woody Shrubs		\vdash	0	0	<u> </u>	$\overline{\bigcirc}$		Small Trees (Woody Shrub			$\overline{\bigcirc}$		-	<u> </u>		Small Trees Woody Shru		\equiv			(A)	-	
	5m HIGH)	\odot		0	$\frac{\odot}{\odot}$	$\overline{0}$			-5m HIGH)	0	$\frac{O}{\bullet}$		의	<u> </u>			m-5m HIGH)	9		_		의	
(<0.	5m HIGH)			0	0	$\overline{\mathbb{Q}}$		(<0	.5m HIGH) orbs and	0	Ø	0	의	힞		(<	Forbs and	-	-	=+	<u> </u>	의	
	Grasses	0		0	0	\odot		116103,1	Grasses	0	®	0	의	<u> </u>			Grasses	0		- +	9	의	
Bare	ground	0	@	0	0	0		Bare	ground	9	0	0	<u> </u>	<u> </u>		Bar	e ground	0		- +	<u> </u>	의	
Litt	er, duff	0	0	0	@	0		Lit	ter, duff	0	0	0	0	@		L	itter, duff	0		_		<u> </u>	
	Rock	@	0	0	0	\odot			Rock	(2)	0	0	<u> </u>	<u> </u>			Rock	0		<u> </u>	<u> </u>	0	
	Water	@	0	0	0	\odot			Water		0	0	0	0			Water	@	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
	bmerged egetation	@	0	0	0	0			ibmerged egetation	(1)	0	0	0	0			Submerged Vegetation		0	2 (0	\odot	
Stress	Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble.																						
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																							
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural & Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1															1	2	3	Flag					
Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present Road - gravel O O Ditches, Channelization													0	0		Pasture/Ha	ıy	11547		0	0	o	
Road - two	lane	Tall		0	0	0		Dike/Dam/		Bed	1	0	0	0		Range				0	ठ	o	
Road - fou	ır lane			0	0	0		Water Lev	2000	l Stru	cture	1	0	0		Row Crops				o	ा	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation	n, Dredgii	ng		0	0	0		Fallow Field		RESTIN	IG	ol	0	0	***
Golf Cours	se			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field	d (OLD - GR	ASS,		o	ा	ठ	
Lawn/Park				0	0	0	-	Freshly De		Sedin	nent	0	0	0		Nursery			ing.	o	o	0	
Suburban	Residen	itial		0	0	0		Soil Loss/		osure		0	0	0		Dairy				0	ा	0	
Urban/Mul	Itifamily			0	0	0		Wall/Ripra	p	Д.Д.,		0	0	0		Orchard				o	0	0	
Landfill			Į,	0	0	0		Inlets, Out	lets			0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	OR STORM	WATER	3)	0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOV	s surface	input		0	0	0		Gravel Pit			taj.	0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation				0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:				0	0	0	
Indu	strial D	evel	opm	ent S	Stres	sor	S	Mark &					Habit	tat/V	egeta	tion Stress	sors						
Fiii bubble	e If pres	ent -	Piot	1	2	3	Flag	Fili bubble	If prese	nt - I	Plot	1	2	3	Flag	Fili bubb	ie If prese	ent - F	Piot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea				0	0	0		Herbicide U	lse			o	o	0	
Gas Wells	-	JAV.		0	0	0		Forest Sele				0	0	0		Mowing/Shi		1		ol	0	0	
Mine (surfa	ace)			0	0	0		Tree Planta				0	0	Ō		Trails				0	Ö	0	
Mine (und		4)		+	0			Tree Canon		ory		0	0	0		Soil Compa	ction		_	ö	0	0	
	orground	-,		0		0		(INSECT) Shrub Laye		d		-		H		(ANIMAL OR H		ae .	-	5	0	0	
Military				0	0	0	-	(WILD OR DON Highly Graz	MESTIC)			0	0	0		Offroad veh Soil erosion			TED	\rightarrow		_	
Other:			-	0	0	0		OVERALL <	HIGH)			0	0	0		OR OVERUSE	and the second second				0	0	
Other:				0	0	0		Canopy Recently Bu			nd	0	0	0		Other:				이	의	이	
Other:				0	0	0		(BLACKENED)				0	0	0		Other:		_	_L	0	0	0	
	ag codes uffer Sar					Exp		uspect meas lags in comm							gned b	y each field c	rew.	2	2428	168	304		

• FO	RM	B-1	1: E	3UFF	ER SAMPLE PLOTS -	TAR	(GE	TEC) ALI	EN SPECIES (Back) Reviewed by	y (initia	l):			
Site ID:	P(CA	PN	101	332	DAT	E: _(0.=	71	0912013					
O Confirm	a filie	ed da	ıta bı	ubble i	ndicates presence and an unf	illed t	oubbi	e Ind	dicates	absence by filling in this bubl	bie				
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag	
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0		
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0		
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0		
Glant Salvinia	0	0	0	X)	Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0		
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0		
Poison Hemlock	Mile-A-Minute Weed O O Reed Canary Grass O O Other: O O Birdsfoot Trefoil O														
Mile-A-Minute Weed O O Reed Canary Grass O O Other: O O Birdsfoot Trefoil O O Common Reed O O Other: O O O															
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0		
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0		
										Other:	0	0	0		
					PLOT COORE	ANIC	TES		4,78						
O AA CENTER O N	13 (O S	3	② E3	O W3 O Nearest pra	Lon	gituc	de W		g and comment below)	> [Fla	9	
Flag Comments			150										up i		
			<u></u>												
				M				*1							
					,					1					
Buffer Sample Po	oints	- Tar	gete	d Alien	Species 05/27/2011					796	6623	3548	в (•	

							FOR	RM B-1:	BUFF	ER :	SAN	IPLE	PL	OTS	S (Fr	ont)	Revie	wed by (nitiai):		- (
Site ID:	P	CA	Pr	101	33	2							UE O bo		DATE	0.7	091	2	D.	1	3	
Location:									Fill	in b	ubb	le(s)	if plo	ot(s) cou	ld not be	sampled a	and fla	ag –	→	1	
O AA Cent	ter	0	N	49	S	OE	0		OP				lot 2		Ø P	lot 3					1	
Fill in bubbles for Strata Section: Fil	all tha	at app	ly: Ca	nopy 1 over c	lype: I	D = De ubble	eciduous for each	. F - F	Buffer een. Leaf T or each plo	.ma: 0	- Bm	adlaaf	$N = N_0$	alhae	Leaf. Al); 2=Mo	bsent: No tree derate(10-409	e canopy. %); 3 = Heavy (4	0-75%);	4 = Ve	ery He	avy (>	75%)
Buffer Car	пору	Туре	e: (7	(() Ab	sent	: O	Buffer	Canopy	/ Typ	e: 6	0	Abs	sent:	0	Buffer	Canopy Ty	oe: 💿	0	Abs	ent:	0
Danie.		Туре	$\overline{}$	_=			Flag	Plot 2	Lea	f Typ	e: 🕖	0			Flag	Plot 3	Leaf Ty	oe: 🕕	<u>O</u>		!	Flag
Big Trees (>0.3m l	DBH)		0	0	0	0		Big Trees (>0.3m DBH)	0	0	0		\mathbb{C}		Big Trees	(>0.3m DBH)		0	_	<u> </u>	
mall Trees (<0.3m	DBH)	0	0	0		0		Small Trees	(<0.3m DBH)	0	0	0		\mathfrak{D}		Small Trees	(<0.3m DBH)		0	\odot	<u> </u>	
Woody Shrubs, Sapl (0.5m-5m H		0	0	(4)	0	0		Woody Shrul (0.5r	s, Saplings n-5m HIGH)	0	0	(1)	0	\Im		(0.5	ibs, Saplings im-5m HIGH)		0	0	<u> </u>	
Woody Shrubs, Sapi (<0.5m Hi	lings	0	0	@	0	0		Woody Shrul	os, Saplings 0.5m HIGH)	0	(4)	0	0	o			bs, Saplings <0.5m HIGH)		0	0	<u> </u>	
Herbs, Forbs Gras	and	0		0	0	0		Herbs,	Forbs and Grasses	0		0		9		Herbs	Forbs and Grasses		0	0	0	
Bare grou		@	0	0	0	0		Bar	e ground	0	0	0	0	1		Bai	re ground 6	0	0	0	<u> </u>	
Litter, o	duff	Ō	0	0	(4)	0		L	itter, duff	0	0	0	(4)	0		L	itter, duff	0	0	0	0	
Ro	ock	©	0	0	0	0			Rock	0	0	0	Ø	0		-	Rock ©	0	2	0	0	
Wa	ater	<u> </u>	0	0	0	0			Water	0	0	0	1	<u> </u>	3		Water ©		0	0	0	
				0	<u> </u>	$\overline{\odot}$				0	0	0	0	0			Submerged Vegetation		0	0	0	
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble.																						
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																						
	-	_	_	1	2			Fili bubb		-	_	Τ.	2	3	Flag	Fili bubbi	e if present -	Plot	1	2	3	Flag
Road - gravel				0	0	0		Ditches,	Channeliz	ation		0	0	0		Pasture/H	ay		0	0	0	
Road - two lar	ne			0	ō	0	-	Dike/Dam	/Road/RI			0	0	0		Range			0	0	0	
Road - four las	ne			ō	0	O		Water Le	-	ol Str	ucture	0	0	0		Row Crop	s	116	0	0	0	
Parking Lot/Pa	aven	nent		0	0	0		Excavation	n, Dredgi	ng		0	0	0		ROW CROP FIE			0	0	0	
Golf Course		le L		0	0	0		Fill/Spoil				0	0	0		Fallow Fie SHRUBS: TR	ld (OLD - GRASS EES)		0	0	0	
Lawn/Park				0	0	0		Freshly D		Sedii	ment	0	0	0		Nursery			0	0	의	
Suburban Res	siden	tial		0	0	0		Soil Loss	/Root Exp	osur	е	0	0	0		Dairy			0	0	0	
Urban/Multifai	mily			0	0	0		Wall/Ripr	ар			0	0	0		Orchard		25 0	0	0	0	
Landfill				0	0	0		Inlets, Ou				0	0	0			Animal Feedin	9	0	0	의	
Dumping				0	0	0		(EFFLUENT	or story	WATE	R)	0	0	0		Rural Res			0	0	9	
Trash				0	0	0		(SHEETFLC	(W)			0	0	0		Gravel Pit			0	0		
Other:				0	0	-	_	Other:			_	.0	0	0		Irrigation			0	0	0	
Other:	_			0	0	0	L	Other:		_		.0	0	0		Other:			0	0	0	
Industri	ial D	evel	opn	ent	Stre	ssor	8	landi.					Habit	at/V	egeta	tion Stres	sors					
Fili bubble if	pres	ent -	Piot	1	2	3	Fiag	Fili bubb	e if pres	ent -	Piot	1	2	3	Flag	Fili bub	ble if present	- Plot	1	2	3	Fiag
Oil Drilling			3	0	0	0		Forest Cle	ear Cut			0	0	0		Herbicide	Use		0	0	0	
Gas Wells				0	0	0		Forest Se	lective Cu	it		0	0	0		Mowing/Si	hrub Cutting		0	0	0	
Mine (surface)			0	0	0		Tree Plan	tation			0	0	0		Trails	while E		0	0	0	
Mine (underg	roun	d)		10	0	0		Tree Can	opy Herbi	vory		0	0	0		Soil Comp (ANIMAL OR			0	0	0	
Military	0		Shrub Lay	er Brows	ed		9	0	0		Offroad ve	ehicle damage		0	0	0						
	-			0		+	_	Highly Gr	azed Gras	ses		0	0	0			ON (FROM WIND, E)	WATER,	0	0	0	
1000	12.11			10	+		_	Recently	Burned Fo	orest		0	0	0		The second secon			0	0	0	
Other:		-	_	0	+	+	+	Canopy Recently		rassla	and	0	0	0	-	Other:			0	0	0	
Other:	codes	: K =	No m			t mac	to il =	(BLACKENE Suspect me	surement	., F1,	F2, etc	. = mis	c. flag	s ass	igned t	y each fleid	crew.	242	816			
				s 0		Ex	plain aii	flags in con	nment sect	ion o	n the I	oack of	this fo	orm				272				
10115						_																

FC	RM	B-1	J: E	3UFF	ER SAMPLE PLOTS -	TAF	RGE	TEI) ALI	EN SPECIES (Back)	v (Initia	D:							
Site ID: PCAPNC 1332								DATE: 0710912013											
O Confirm	a filie	ed da	ta bı	ubble li		-	-	_			ble								
Fill bubble if present - Plot		2	3		Fili bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag					
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0								
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu									
Yellow Floating Heart			Japanese Knotweed	0	0	0		Multiflora Rose	0										
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0						
Garlic Mustard						Himalayan Blackberry	0												
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	ō	Ō	0						
Mile-A-Minute Weed O O Reed Canary Grass						0	0	0		Fill bubble if present - Plot 1 2 3 F Johnson Grass O O O Multiflora Rose O O O Himalayan Blackberry O O O Famarisk O O O O O O O O O O O O O O O O O O O									
O O O O O O O O O O O O O O O O O O O					Common Reed	0	0	0		Other:									
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:		_							
										Other:	_		-						
					PLOT COORE	DINA	TES												
Location of coordinate O AA CENTER O N3 Latitude N	3 (O S3		O E3	6.0.2.0	Lon	gitud	e W		and comment below)	7		Flag						
					Use Decimal Degr	ees;	NAU	83											
Flag Comments								m											
1 Clips a	DI	JV	77	5/	Will INCOM	11	M	0/	uto	y PAINED									
Sa Could no	+ 0	311)	F	hJA	Ur than 20	n i	/n #	1)	2) nl	H Wither he	D_	pt	J.	K-					
to hine) رع	1	•-	<u> </u>	20 11/2010 1/101	1 0	14	0 (X/I C	a aggree po	D	00	701)					
3 Chapri	n	10	W	res				_											
3 3 3 3 3		1-	<u> </u>								_								
														_					
								_											
									-										
								2.50		1000									
Buffer Sample Poi	nts -	Targe	eted	Alien S	pecies 05/27/2011					7966	623	548							

Site ID: P	WF	RI	VC.	13:	37		RM B-1: BUF	FI	EK	SAI	nr.	EPI		7	:. <u>0.7</u>			O-ELLIN TO	(initial)		ー (ろ.	
Location:			-		_		F	III	in b	ubb	le(s)	if p	lot(s) cou	ld not be	sample	ed a	nd f	lag -	→		\neg
O AA Center	O	N	0	OS OE ØW O Plot 1 O Plot 2 O Plot 3 Buffer Natural Cover Strata																		
10							Buffe	rl	Nati	ıral	Cov	er S	trata									
ata Section: Fill in a	pprop	riate d	over	class b	ubble	for each	s; E = Evergreen. Lean strata type for each	plot	. 0 =	Absen	t; 1 = 8	Sparse	:(<10%	6); 2=Mc	oderate(10-40%	%); 3 = Hea			_	$\overline{}$		$\overline{}$
uffer Canopy Plot 1 Leaf	-	e: 🕡		(sent	: () Flag	Buffer Cand Plot 2 L			e: &		-	osent	Flag	Buffer Plot 3	Canopy		e: 🐠		AD		Flag
g Trees (>0.3m DBH)	0	0		0	0		Big Trees (>0.3m DB	3H)	<u> </u>	0	9	0	0		Big Trees	(>0.3m DBH	0	0	0	0	<u> </u>	
all Trees (<0.3m DBH)	0	0		0	0		Small Trees (<0.3m D	BH)	0	0	0	0	0		Small Trees	(<0.3m DBH		0	0		<u> </u>	
ody Shrubs, Saplings (0.5m-5m HIGH)	0	0	1	0	0		Woody Shrubs, Saplin (0.5m-5m HIG	gs H)	0	0		0	O			m-5m HIGH)	<u> </u>	0	0		<u>O</u>	
ody Shrubs, Saplings (<0.5m HIGH)	0	0	(0	0		Woody Shrubs, Saplin (<0.5m HIG		0		0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0		0	0	0	
Herbs, Forbs and Grasses	0	0	0	0	0		Herbs, Forbs a Grass		0	0	8	0	0		Herbs,	Forbs and Grasses			0	0	0	
Bare ground	(0	0	0	0		Bare grour		(3)	0	0	0	0		Bar	e ground	0	•	0	0	0	
Litter, duff	0	Ō	0	(1)	0		Litter, de	ıff	0	Ō		0	Ō		L	itter, duff	0	0	0	1	0	
Rock	®	0	0	0	$\overline{0}$		Roo	-	<u>(1)</u>	Ō	0	0	0			Rock	0	0	0	0	Ö	
Water	0	0	9	0	$\frac{9}{2}$		Wat	_	₩	Ö	0	©	$\frac{9}{0}$			Water	<u></u>	6	0	0	ŏ	
Submerged		<u> </u>	$\overline{}$		\bigcirc		Submerg			0	0	0	$\frac{1}{2}$			Submerged	0	0	0	허	<u></u>	
Vegetation	W	0	0	0	\sim	Ab	Vegetati	_		_		_	$\overline{}$	unfilled		Vegetation	1.	_		e but	\preceq	9
					_	m that	a filled data bubbl	_	- 1				o an	unnileu					0.00			
Residential and Urban Stressors							Hydro	_			sors					Agricult	_	ıraı s			_	
bubble if present - Piot 1 2 3 Flag				Fill bubble if pro	ese	ent -	Plot	1	2	3	Flag	Fili bubble	1	2	3	Flag						
oad - gravel			0	0	0		Ditches, Channellzation				0	0	0		Pasture/Hay				0	0	의	
oad - two lane		34	0	0	0		Dike/Dam/Road/RR Bed (IMPEDE FLOW)				10	0	0		Range		0	0	0			
oad - four lane		2.8	0	0	0		Water Level Control Structure				0	0	0		Row Crops		0	0	0			
arking Lot/Paven	nent		0	0	0		Excavation, Dredging				0	0	0		Fallow Fiel	ING	0	0	0			
olf Course			0	0	0		Fill/Spoil Banks					0	0		Fallow Fiel SHRUBS, TRE		ASS,		0	0	0	
wn/Park			0	0	0		Freshly Deposite (UNVEGETATED)	ea :	seail	nent	0	0	0		Nursery				0	0	0	
uburban Resider	itial		0	0	0		Soil Loss/Root E	хр	osur	9	0	0	0	ļ	Dairy				0	0	0	
ban/Multifamily			0	0	0		Wall/Riprap		1000		0	0	0		Orchard				0	0	0	
ındfill			0	0	0		Inlets, Outlets				0	0	0		Confined A	Inimal Fe	eding		0	0	0	
umping			0	0	0		Point Source/Pip (EFFLUENT OR STO	RM	VATE	R)	0	0	0		Rural Resi	dential			0	0	0	
rash			0	0	0		Impervious surfa (SHEETFLOW)	ice	inpu	t	0	0	0		Gravel Pit				0	0	0	
ther:			0	0	0		Other:	_			0	0	0		Irrigation				0	0	0	
ther:			0	0	0		Other:				0	0	0		Other:				0	0	0	
Industrial D	evel	opm	ent	Stres	son	s						Habi	tat/V	egeta	tion Stres	sors						
il bubbie if pres	ent -	Piot	1	2	3	Fiag	Fili bubble if pre	se	nt -	Plot	1	2	3	Flag	Fill bubb	ie if pres	ent ·	Piot	1	2	3	Flag
il Drilling			0	0	0		Forest Clear Cut				0	0	0		Herbicide U	Jse		101	0	0	0	
as Wells		13	0	0	0		Forest Selective	Cut			0	0	0		Mowing/Sh	rub Cuttir	ıg		0	0	0	
ine (surface)		7/11	O		0		Tree Plantation	ÍW	11.03		0	0	0		Trails	TX W			0	0	0	
ine (underground	d)		6		0		Tree Canopy Her	blv	ory		0	0	0		Soil Compaction			0	0	0		
-	-,		+	_	-		(INSECT) Shrub Layer Brov	vse	d		-	9	9		(ANIMAL OR H	1 1 1 1 1	age		0	0	0	
ilitary		_	0	+	0		(WILD OR DOMESTIC)			0	+	-		Soil erosion			ATER,	-	-		
ther:		_	0		0		(OVERALL <3" HIGH) Recently Burned				0	0	0		OR OVERUSE				0	0	0	
ther:			0	0	0		Canopy				0	0	0		Other:		-	_	0	0	0	-
			0	0	0		Recently Burned (BLACKENED)	Gra	assla	ind	0	0	0		Other:				10	0	0	

					ER SAMPLE PLOTS -	TAI	RGE	TE	D ALI	EN SPECIES (Back) Reviewed b	y (initia	ıl):		
Site ID:	Pl	A	Pr	VC 8	1332	DAT	re: _	0.7	71	0912013				
O Confirm	a fili	ed da	ata b	ubbie i	ndicates presence and an unt	illied	bubb	ie ind	dicates	absence by filling in this bub	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinla	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	-
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
						_				Other:	0	0	0	
			127		PLOT COORE	NA	TEC			0.007.			9	
O AA CENTER O NO Latitude N	3 (O S	3 (O E3	⊚ W3 O Nearest practice of the Nearest practice of	Lon	gitud	de W		and comment below)	8		Fla	9
Flag Comments					Ose Decimal Degi	003,	NAD	03						
													_	_
									00000000000000000000000000000000000000					
								_						
Buffer Sample Poi	nts -	Targ	eted	Alien S	pecies 05/27/2011					7966	623	548		