Project Label:	PCAP PCAP	Plot No	: Quality Control Form
Parking/Access out	side of Park Boundaries:	J , , (2)	Comment required if item answer is NO
Field journals com		YN	If yes, write details in Comments section below
Site sketch made or			
Check cover page	X-axis Bearing of plot recorded	(Ý) N	
oneck cover page	GPS coords. Recorded	Y N	
	North direction recorded	Y N Y N	
	Photographs taken?		
Plot No. Date agree	ement on all pages?		
leader data comple			
	ded in all Intensive modules	Y N	
Browse Level By S		(Y) N	
Woody stem quality			
nvasive plant quali		Y N (Y) N	
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Cover by Strata? (co	onfirm cover type)		
	ed with matching plot #.	Ý N Ý N	
	datasheet with initials and number		10/0
ouchers labeled on		YN	na
ink flags removed	concetion bag	YN	na
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ata sheets scanned		7/9/13	
inal data sheets sca		179/15	Enter date to left
uffer Widths measu		7.	Enter date to left
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oucher Location	Refrigerator		AB 1/19/13
vouchers collected)	Press (#)	YN	
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	Identified	Y N	
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	Thrown away	Y N	
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RTS point verifica	tion: Is plot sampleable?		
□ Yes	Original GRTS point is sampleable		
□ No	Original GRTS point lands in a non-sa	ampleable area (fil	in category below)
	☐ Point falls in a water (i.e. river, lab	ke)	
	Managed mowed area (i.e. golf co	ourse, picnic area, right	-of-way)
	□ Paved area (i.e. parkinglot, road) □ Unsafe to sample (i.e. steep slope)		
	Other Other		
	ts:		

PCAP

* 4 T

TAXONOMIC STANDARD vascul. Minimum required fields in Bold and Underlined 6 Very thorough SAMPLING QUALITY* PLOT NOT SAMPLED: ichen TAXONOMIC ACCURACY Effort Level: □ Perm. water □ Paved □ Slope □ Safety ** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. Plot No.: 1362 GENERAL INFORMATION CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet Plot Name: What Smalls end date (if > 1 day): Project Label: PCAP Pate (mm/dd/yyyy): 07/18/2013 roject Name: Catella Level 4 (no nested corners sampled) Level 5 (nested corners sampled) 먎 01 RR 2013 modera. how much effort put into may still provide good sampling. Hurried plots subjective evaluation of Pub Date: Plot leader assisl worde low Wood o Other not smp 1998 x = 0Camera No.: K CS Systematic (grid) Capture specific feature Other Plot placement: ~GRTS Depth: (1-5): 4 Plot size for cover data: GPS File Name: Coord. Accuracy: X m I ft Latitude: 4], 4 4 58 GPS location in plot x=0 to 5, y=-1,0,+1): Datum: ■ NAD83/WGS84 □ NAD27 Other (specify) ■ Lat/Long □ UTM □ StatePlane Reason: □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Check one: Public data Private Data Data Confidentiality: State: OH Random - Stratified Random - Transect component Coordinate system: Local Place Names: West 5 de 36 Valley Quadrangle: LOCATION *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Sport acces Sacchaning ntensive modules: 2, 3, 8, 9 ongitude: f data not public why? andowner: X-axis Bearing of plot: y = ((base of plot x=0, y=0) 81.8+056 CMD Management Center 202 A 0 County: ___ahoga ■ deg □ deg min □ Representative Coord. Units ■ GPS 230° EDIT IF MODIFIED Shrub Ulmus amencara also peresent in canopy (musty shading in specific of I prince snorthe rigrum, ¿ saccharinum. Ulmus americani content), Rationale (why here), and Veg Characterization (description of community, dominants, strata, BROWSE). Additional notes in space on back. Caropy Faxing Acer Saccharun, rubrun Sign, Carya in camppy our hoad with inclusion Rationale: GRTS Pt. NOTES: Include Layout (any unusual shape details), Location (directions and landscape Vey Characte: 200+6n: Elm, black imaple, Red, Location: West side of Valley Poking, across from Layout 2x5 with part Golf Courses, park at Ruger Ops and rule down Valley Pkuy. Diagram

Plot origin

GPS location

photo taken, with direction

with direction Velley Pkny l'amen coma 1 #7 location of Clumberd Matrus Page 1 of 2 permanent posts OVER #5 #6

SALINITY*

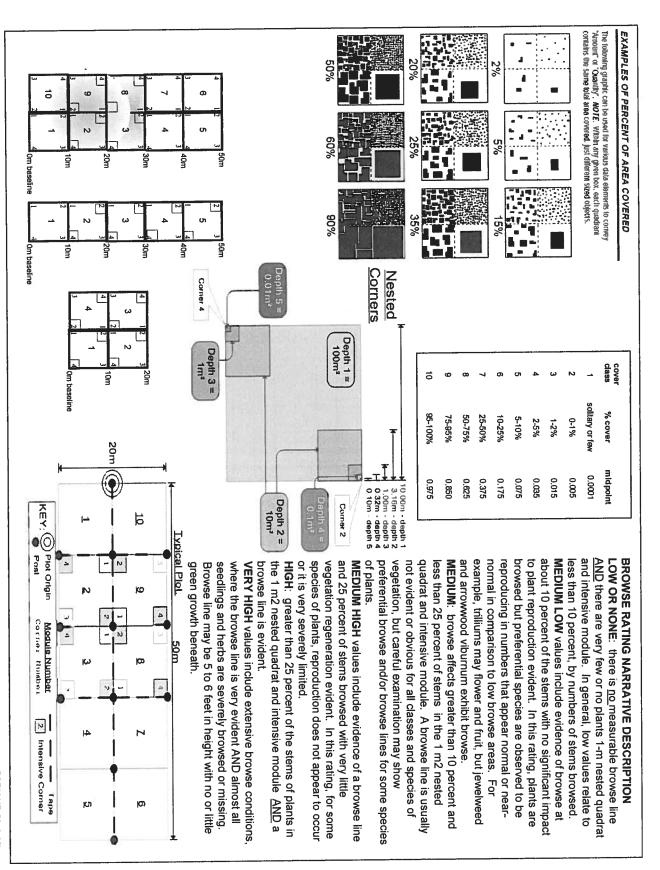
□ Saltwater □ Brackish o Fresh ☑Upland (n/a)

COMMUNITY NAME:

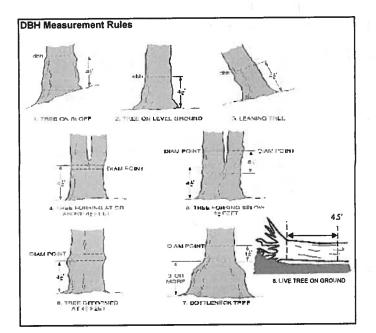
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HOMOGENEITY A)Homogeneous

Total modules: PCAP Project name: URR2013	10 PUAP	, -	Intensive modules:	L	UKK LULS	3	~	į	Q	ຸກ	no.: 1362	12									
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Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	=	#itensive module:	depth	S S	depth	CDV	depth	COV	depth	OOV	depth		depth	COV	depth		depth	h cov		B 7
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	CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	ntc	CAP	Assessn	nent Pro	gram	Natural	Woody S	tem Da	ta Sheet	3			-		Cievei	© Cieveland Metroparks
		Explain subsample (additional room on back)	on ba	ıck)		1 10/100	917		ojen value. U F 80		Plot No.: 100 M	200	70	Page:	-	<u>Q</u>	5	
1677			\exists		# stems	% sub	#	size class	size class (cm) woody stems >1.4m	y stems >	1.4m							
	mod #	species	ဂ	voucher#	0-1.4m browsed	or super sample	shrub	<u>7</u> -	1-<2.5	2.5-<5	540	5 10 - <15	6	7 20 - <25	25 - <20	30 33 35	10	11
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	-	Flaxinus sp.															, l	100
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ı		Acer Saccharum								0				, 3	•			
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,	N	Ares sacharm										•						
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		Acer nigrum	_								•							
1	Q	Ulmus americana	-								• •		-					
	0	Calya cordiformis						H										



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. Dleback: 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.



С

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)

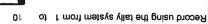
- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs.
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

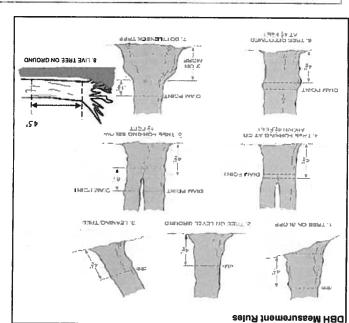
00 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet mod # Ø 20 Acer woom Ulunus americana Explain subsample (additional room on back): Acel seahalinum Ulmus americana Acer migrum Lindera beazoin Standmy Dead TRAINS SP. Carya widiformis Hier satchalum Project Label: PCAP voucher# 0 # stems 0-1.4m browsed or super sample % sub Project Name: 01 RR 2013 clumps shrub # size class (cm) woody stems >1.4m <u>ر</u> 0 0 1-<2.5 0 2.5-<5 Plot No .: 1362 5-<10 10 - <15 15 - <20 20 - <25 Page: 25 - <30 رو 30 - <35 잌 Gleveland Metroparks 35 - <40 5 51. 56.0 65.5 52h >40 (record each tree) =

Woody Stem Deer Browse

tall that exhibit evidence of this years deer browse. Record the number of stems/plants between 0.1-3.0 meters



















ASH CANOPY CONDITION

- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves. 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- sunlight, die naturally and are not considered. 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to
- 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 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.

(lowest branch) on the trunk.



3

a

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(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):

tsuk 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.

۵ 10 May Socah arum 6 2 O Lindua tenzoin 10 STANSO. Standing Dad Ulmus amendana Explain subsample (additional room on back) Giradundran tumpitcha Acers accharum Acer rubnim Frax spp. Project Label: PCAP voucher# # stems • 0-1.4m browsed or super % sub Project Name: ORR 2013 clumps shrub # size class (cm) woody stems >1.4m Q-<1 1-<2.5 2.5-<5 Plot No. 362 5-<10 ¢ . 0 10 - <15 15 - <20 0 20 - <25 Page: 0 25 - <30 W 30 - <35 잌 Gleveland Metroparks 35 - <40 5 54.5 48.9, >40 (record each tree) 1.55

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

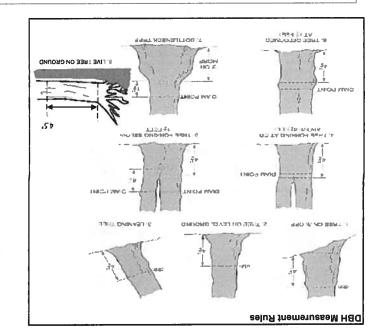
Woody Stem Deer Browse

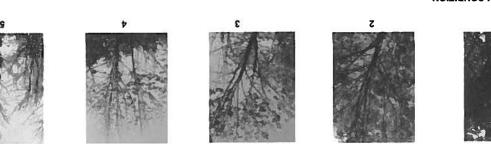
tall that exhibit evidence of this years deer browse. Record the number of stems/plants between 0.f-3.0 meters

Record using the tally system from 1 to









NOITIGNODY CONDITION

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- (lowest branch) on the trunk.



a

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(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):

rank as described below)

A: All main branches contain fine twigs (newly dead).

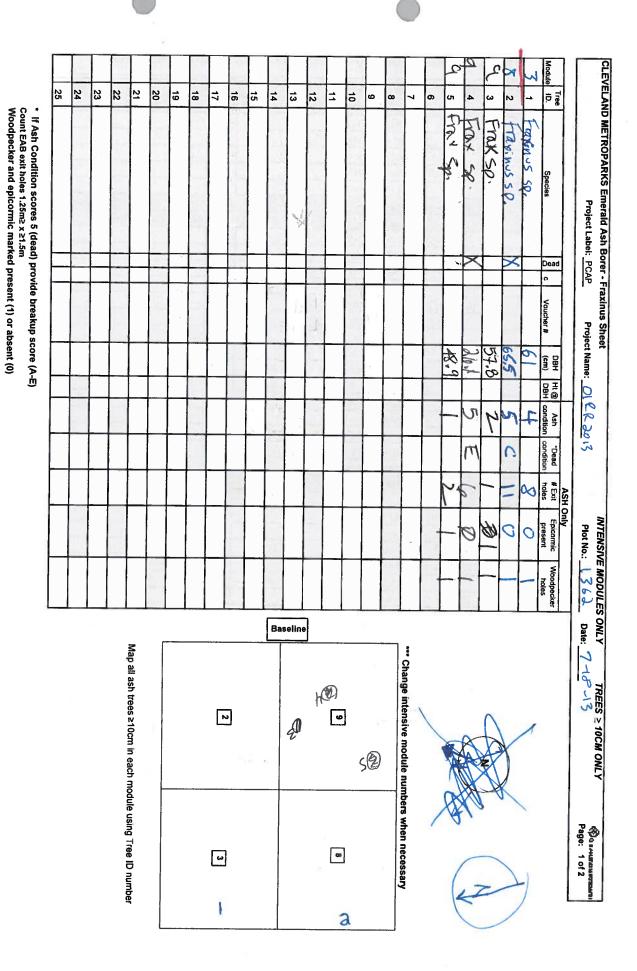
B: Over 50% of main branches have fine twigs.

3PCM PCAP Ash_Cheat Sheet ver 2.0.xls5/29/2012ceh

C: Less than 50% of main branches have fine twigs.

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

3



Cleveland Metroparks CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey Tier 1: Early detection/ Rapid response Presence GPS SW NW SE Presence NE X: yes Microstegium vimineum Japanese stiltgrass Ranunculus ficaria Lesser Celandine (vine) Black Swallow-wort Cynanchum Iouiseae (wetland) Flowering Rush Butomus umbellatus Giant Hogweed Heracleum mantegazzianum Tier 2: Assess as Needed # of Plants comments SW # of Plants NE SE NW 1-10 Acer platanoides Norway Maple 11-50. Ailanthus altissima Tree of Heaven (vine) Japanese Honeysuckle 3: 51-100 Lonicera japonica 4: 101-1,000 Lythrum salicaria (wetland) Purple Loosestrife 5: >1,000 Aegopodium podagraria (G-cover) Bishop's Goutweed Celastrus orbiculatus (vine) Asian Bittersweet Hedgeparsley Torilis sp. Conium maculatum Poison Hemlock (shrub) Rhamnus cathartica Common Buckthorn Berberis thunbergii Japanese Barberry (shrub) Alnus glutinosa European Alder Dipsacus laciniatus Cut-leaf Teasel Elaeagnus umbellata Autumn Olive (shrub) (shrub) Amur Honeysuckle Lonicera maackii Euonymus fortunei Wintercreeper # of Plants Tier 3: Presence is of Interest comments # of Plants NE SE SW NW 1: 1-10 (G-cover) Lily of the Valley Convallaria majalis 2: 11-50. Coronilla varia (G-cover) Crown Vetch 3: 51-100 (shrub) Eleutherococcus pentaphyllus Five-leaf Aralia Japanese Pachysandra 4: 101-1,000 Pachysandra terminalis (G-cover) 5: >1,000 (shrub) Philadelphus coronarius Mock Orange Pulmonaria officinalis (G-cover) Lungwort Rubus phoenicolasius Wineberry Yellow Flag Iris Iris pseudacorus (wetland) Star of Bethlehem Ornithogalum umbellatum Viburnum opulus var. opulus European Cranberry (shrub) Viburnum plicatum Doublefile Viburnum (shrub) Tier 4: Widespread and abundant comments Presence # of Plants SE SW NE NW 5 1: 1-10 Alliaria petiolata Garlic Mustard 2: 11-50. Ligustrum vulgare Common Privet (shrub) 2 3: 51-100 L. morrowii, L. tatarica **Bush Honeysuckles** (shrub) 5 4: 101-1,000 Reed Canarygrass Phalaris arundinacea 5: >1,000 (wetland) Phragmites Phragmites australis Polygonum cuspidatum Japanese Knotweed Glossy Buckthorn (shrub) Frangula alnus Rosa multiflora Multiflora Rose (shrub) Typha angustifolia, T. x.glauca Cattails (wetland) Canada thistle Cirsium arvense Dipsacus fullonum Common Teasel Hesperis matronalis Dame's Rocket 4 Vinca minor (G-cover) Periwinkle

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

Plot No.:

(Cleveland Metroparts Page: 1 of 1

CLEVELAND METROPAS Project Label:	ARKS Plant Co	mmunit Pr	y Assessme oject Name:	CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: 01 & 2013	
STANDING BIOMASS (required for emergent wetlands); collected in 0.1m clip plots (32:32 cm) from corners 1 and 3 m each intensive module. Remitted for VIBLFE score calculation (73=check when	quired for emerger from corners 1 and score calculation	at wettand I3 in each C?=check	is); collected intensive		
collected				CLASSIFICATION	
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		Γ		□ IMPOUNDMENT □ Beaver □ Human	71
				RIVERINE - Headwater - Mainstem - Channel	-
				O ST OBE A CONTRACT OF THE PARTY OF THE PART	_

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

CLASSIFICATION		
(HI = excellent, g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
a DEPRESSION	Į.	Conf=
□ IMPOUNDMENT □ Beaver □ Human	7	Conf
RIVERINE - Headwater - Mainstern - Channel	7	Conf=
O SLOPE (ground water hydrology or on a physical slop)	F	Conf=
n FRINGING in Reservoir in Natural Lake	Fig	Conf
□ COASTAL (specify subclass)	an I	Conf=
n BOG (strongly moderately, weekly ombrotrophic)	File	Conf
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	NLY):	
□ FOREST □ swamp forest □ bog forest □ forest seep	7	Conf
□ EMERGENT □ marsh □ wet meadow □ open bog	<u> </u>	Conf
□ SHRUB □ shrub swamp □ tall sh bog □ tall sh fen	Fit=	Conf=

LFI is angle of plot to the indirect is angle formed by local slopes. For TSI measure angle from recorders eye to eye of person standing -10 m

away.

ck when	CLASSIFICATION		
er Comer	(FII = excellent, g Fit and Confidence		
	Hydrogeomorphic class (WETLANDS ONLY):		
	a DEPRESSION	Į.	Conf=
	n IMPOUNDMENT n Beaver in Human	7	Conf-
	□ RIVERINE □ Headwater □ Mainstern □ Channel	<u>=</u>	Conf
	SLOPE (ground water hydrology or on a physical slop)	P	Conf=
	n FRINGING in Reservoir in Natural Lake	Fig	Conf
	□ COASTAL (specify subclass)) I	Conf-
	BOG (strongly, moderately, weekly ombrotrophic)	Fit=	Conf
	Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	ONLY):	
	□ FOREST □ swamp forest □ bog forest □ forest seep □ EMERGENT □ marsh □ wet meadow □ open bog	# # 	Conf
	□ SHRUB □ shrub swamp □ tall sh bog □ tall sh fen	Fit=	Conf-

	a SHRUB a shrub swa	o SHRUB o shrub swamp o tall sh bog o tall sh fen	Fit Conf	Conf
MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only	es only	11		
Ranks for microhabitat features. Select one or select two and average the score.NOTE: If mod falls on a slope automatically gets ranked based on steepness (1-3) to begin + any features present Slope 1 = sight elevational grade across module (hit) Slope 2 = falls on slope -20 * Slope 3 = maximum steepness that can be safely sampled -45 *	score.NOTE: If mod falls on a slope autom Stope 2 = falls on slope -20 *	atically gets ranked based on steepwess (1-3) to begin + any feature: Stope 3 = maximum steepness that can be safely sampled -45°	n be safely	n + any features present sampled ~45°
O feature is absent or functionally absent from the wetland Jeature is present in the wetland in very small amounts or if more common, of low quality	ow quality			

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

feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality

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	2	5	22	30	(count)	10x10m	depth 1		ms (2-12 cm)	
	0	ŝ	نو	-	(count)	10x10m	depth I		(12-40cm)	
	0	0	C	0	(count)	10x10m	depth 1		>40 cm	
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d -45°				1"	1	, r	1"	1	!"
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	on within landscape (site microtopograpi	WN	W	SW	s	SE	E	NE.	z
	yic shap								

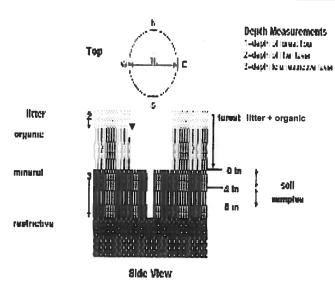
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	_	r grid square)	ce. (4 dots per	corresonding space. (4 dots per grid square)
5	e dot count	S, E, W. Plac	ule facing N. S	readings per module facing N. S. E. W. Place dot count in
	TWC 44	TELLERY: ME	W (MENSION	CNOWN COVER (MENSIONIE LERY): Make 4

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

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



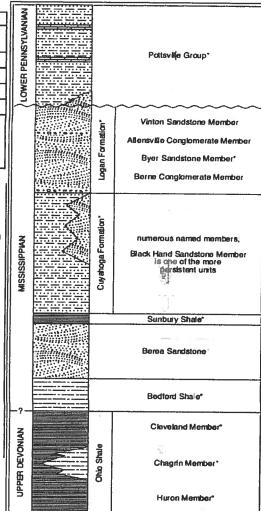


FIGURE 3-20.—Generalized section of Upper Devonian, Minissippian, and Lower Pennsylvanian formations in northeastern Ohio Asteriaks midicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to exale, but the thicknesses 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 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 massive sandstone that is fairly undespread but discontinuous. See Hyde (1953), Hoover (1960), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

^{**}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: 01882033 Plot No.: 1368 Project label: PCAP Project Name: DIRR2013 Plot No.: Page: 1 of 1

@Gleveland Retroparks

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

Soil pit module # 8 (one per entire plot) 20 cm 5 cm matrix color 018 texture* hydro. cond.*** oxid roots matrix color redox features** exture* oxid roots ydr. cond.*** edox features** mottle mottle ottle color ttle color 3/410/2 Ø I S M D 1 S (M) D **₹** 2 $\left(\mathbb{Z}\right)$ z z Z

refer to texture classes on reverse side

Notes: include evidence of earthworms (worms, *** Circle one:
|=indundated S=saturated M=moist D=dry ** e.g. hydrogen sulfide odor, gleying, etc.

Lads of worms, castros Snappilm

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

					V	0	5-5	4			
© Impermeable surface	Somewhat poorly dr. Urry poorly dr.	□ Excessively dr. □ Somewhat excessively	DRAINAGE Westweed from Shake	Parent Material RCS duum bed Fac	pepth to rest. Layer 20-40 40 por life,	Landform type: Praircue Ways 76.15	Soil Series Source: Ohio Soil Survey	Soil Series Type: Br F-Brecks W. N. CS. 1)	Web Soil Survey Information:	2,3,8,9 composited A	Soil Collection Moduld Horizon (A. B. C)

Landform type: Pali race West State Color to rest. Layer 20-40 and bar life Color to r
--

2 1/17/15

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

q	8	3	2	mod#
0,4	1.6	165	1,5	l litter+ organic depth (cm)
D.4	66	1.5	1.5	2 litter depth (cm)
0	0	0	0	water depth (cm)
7,0,0	730.0	730.0	730.0	depth sat soil (cm)

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	
Underlying Earth Surface*	Surface*	Ground Cover	
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	0	Coarse Woody Debris***	4
Mineral Soil	001	Fine Woody Debris****	بو
Gravel-Cobble*	0	Litter	95
Beulder**	0	Duff (Ferm.+ Humus)	0
Bedrock	0	Bryophyte- Lichen	1
* Gravel-Cobble = 1/16-10"	1/16-10"	Water	0
**Boulder = > 10 in	5	Bare Soil	S
*** >5 cm in diameter	eter	Road/Trail	0)
**** <5 cm in diameter	meter	Other	

Bridle Hiking ad Moned

Bootleg wegand innet

ecord type and cover for each

RAIL INFORMATION:

Ype

%Cover

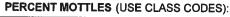
All Purpose

Gravel

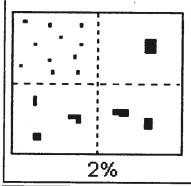
Total Count (%)	Height Pange (m)	Strata
% ex:3, 8, 13	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	COVER BY STRATA estimate using midpoir

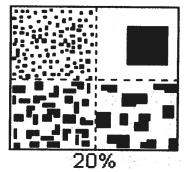
Strata	Height Range (m)	Total Cover (%)
Tree	5	88
Shrub	.S.S	13
Herb	05	B
(Floating)*	•	O
(Aquatic)*		0
fi bue patoon	° rooted and floating or slightly emersed	sed
•• submersed,	** submersed, most plant mass below surface	w surface
SEE BACK OF DESCRIPTION	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY CO	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

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



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





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

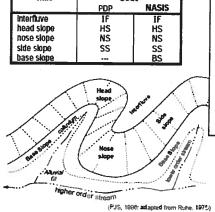
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandv
- 4= Coarse Sand
- 9= Not measured make plot note

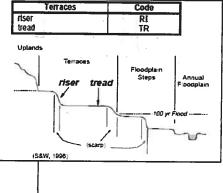
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Fiat Plains;

Code

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

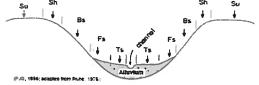
Hills





Hillslope - 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.

		0000		
summit ·		SU	7	
shoulder		SH	- 1	
backslope		BS		
footslope toeslope		FS	- 1	
toeslope		TS	- 1	
Su Sh			_	
 	Bs			8:



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 .

				FC	ORM B-1:	BUFF	ER S	AME	PLE	PLO	OTS (Front)	15-28 14	Review	red by (in	nitial):_		- 0
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Daile! 17 71 4	D (①	Abse	nt: C	Buffer	Canop	у Туре	:0	1	Abse	ent: (Buffer	Canop	y Type	:: (0)	0	Abse	nt: (
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Water 🕼 🕦	0	0	10			Water		5 6	+=			 	Water	0			+ =	-
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Road - four lane	0	0	o	 	Water Leve	***	Structi	_	-	-	_	Row Crops		- 54	1	-	-	
Parking Lot/Pavement	0	lo	0		Excavation			1	_	-	_	Fallow Field		RESTING		+-	_	+
Golf Course	0	0	0		Fill/Spoil Ba	_	3	10	_	_	_	Fallow Field	D)		3 0	_	+-	_
Lawn/Park	0	0	0		Freshly Der		edimer	1 0	_	-	_	SHRUBS, TRE	ES)		1	_	+	-
Suburban Residential	0	0	0		Soil Loss/R		sure	10		-	_	Dairy			10		1	-
Urban/Multifamily	0	0	0		Wall/Riprap				-	_	-	Orchard			10	_	_	-
Landfill	0	0	0		Inlets, Outle	ts	u i i i	C	+ -	0		Confined A	nimal Fee	dina	10	1 ~	+	├─
Dumping	0	0	0		Point Source (EFFLUENT OF		ATER)	C		-		Rural Resid			6	_	0	-
Trash	0	0	0		(SHEETFLOW)	surface i	nput	C	-	0		Gravel Pit			C	-	0	
Other:	0	0	0		Other:			_ C		-		Irrigation			C	_	0	<u> </u>
Other:	0	0	0		Other:			_ 0	+	0		Other:				_	0	\vdash
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Oil Drilling	0	0	0		Forest Clear			10	0	0	······			II(- FR		+	 	Flag
Gas Wells	0	0	o		Forest Select	-		0	0	0		Herbicide Us			10		0	-
Mine (surface)	o	0	0		Tree Plantation			_	1			Mowing/Shru	io Cutting		10	0	0	-
Mine (underground)	0	0	0		Tree Canopy		у	10	0	0		Trails Soil Compac	tion	-	0	0	0	_
Military	_	_			INSECT) Shrub Layer E	rowsed		0	0	0		(ANIMAL OR HU	MAN)		0	0	0	
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Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Piot	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 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	
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Road - two	lane			0	0	0	- 1	Dike/Dam/		R Bed		O	ō	0		Range			ŏ	0	0	
Road - fou	ır lane			0	0	0		Water Leve		ol Stru	cture	0	0	0		Row Crops			0	Ö	Ö	
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Golf Cours	e			0	0	0		Fill/Spoil Ba	anks			0	0	0			(OLD - GRAS	S,	0	0	0	
Lawn/Park				0	0	0		Freshly De		Sedim	ent	0	0	0		Nursery		100	0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/R	oot Exp	osure		0	0	0		Dairy			0	0	0	
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Trash			www.	0	0	0		Impervious (SHEETFLOW)		input		0	0	0		Gravel Pit			0	0	0	
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Other:		-110-	_	0	0	0		Other:			_	0	0	0		Other:			0	이	0	
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Oil Drilling				0	0	0		Forest Clear	Cut			0	0	0		Herbicide Us	se	E L	0		0	
Gas Wells				0	0	0		Forest Selec	tive Cut			0	0	0		Mowing/Shru	ub Cutting		0	0	0	
Mine (surfa	ice)			0	0	0		Tree Plantati	on			0	0	0		Trails		46.0	0	0	0	
Mine (unde	rground)		0	0	0		Tree Canopy (INSECT)	Herbly	ory		0	0	0		Soil Compac	tion		0	0	0	
Military				0	0	0		Shrub Layer	Browse	d		0	0	Ō		Offroad vehi		U.S.	0	o	ŏ	
Other:				0	0	0		Highly Graze	d Grass	es		0	0	0		Soil erosion	(FROM WIND,		0	0	ö	
Other:				0	0	ö		Recently Bur		est		0	0	0		OR OVERUSE) Other:	W-81		0	_	<u></u>	
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V	g codes:	K = N	o mea	_		made	. U = St	(BLACKENED) JSpect measur	rement.	F1,F2.	etc.	misc	: flag	s assi		each field cre	IW.	0.45		_	<u> </u>	
	ffer Sam					Expl	ain ail fi	ags in comme	nt sectio	n on t	ne bad	ck of t	his fo	m				2428	168	3U4		

• FO	RM	B-	1: E	3UFF	ER SAMPLE PLOTS -	TAF	₹GE	TE	D ALI	EN SPECIES (Back) Reviewed by	/ (initial	1):		
Site ID:	P	CA	9	136	200	DAT	E:	0 3	Z .I.	18/2013				
@ Confirm	a fille	ed da	ata bu	ubbie i	ndicates presence and an unf	illed	bubbl	le Inc	dicates	absence by filling in this bubl	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill 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 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	Q	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	oder de la constante de la con	Common Reed	0	0	0	0.000	Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
			,							Other:	0	0	0	
			7		PLOT COORE	DINA	TES							
O AA CENTER N		O s:		O E3	O W3 O Nearest practice of the Parameter	Lon	gitud	de W		9 and comment below)	0			
Flag Comments	estili Sulla													-1
								-						
			3000000								21	1	Tyles	
										706	een.) E 4 C	· /	

05/27/2011

Buffer Sample Points - Targeted Alien Species

	EODM D 4: DUFFED CAMPI E DI OTO (F4)																			
Site ID: PCAPRRISTS DATE: 07/18/20) 3																				
Site i	D:	CA	46	R	131	0								DATE	07	11816	0) :	3	
Location	on:							Fil	l in t	oubb	le(s) if p	iot(s) co	uld not be	sampled and	flag	\rightarrow	١,	
OAAC	Center	C	N	0	S	0	E 0		Plot			Plot			Plot 3				Ľ	
								Buffer s; E = Evergreen. Leaf h strata type for each pl	Type: I	B = Br	oadlea	f; N =	Needl	le Leaf. /			6); 4 = '	Very H	leavy	(>75%)
Buffer	Canop	у Тур	e: () () AI	bsen	t: O	Buffer Canon	у Тур	oe: () () AI	bsen	t: ()	Buffer	Canopy Type:) (·) AI	osení	: O
Plot 1	Lea	af Typ	e: 🕞	<u> </u>			Flag	Plot 2 Le	af Typ	e: (5 6			Flag	Plot 3	Leaf Type:	0			Flag
Big Trees (>	0.3m DBH	0	0	0		0	<u> </u>	Big Trees (>0.3m DBH	0	0	0	0	0		Big Trees	(>0.3m DBH)	0	0	0	-
Small Trees (<	:0.3m DBH	10	0	0		0		Small Trees (<0.3m DBI	10	0	0	0	0	İ	Small Trees	(<0.3m DBH)	0	0	0	
Woody Shrubs (0.5m-	s, Saplings -5m HIGH)			2	0	0		Woody Shrubs, Saplings (0.5m-5m HIGH		0	0	0	<u> </u>			ubs, Saplings im-5m HIGH)	0	0	0	
Woody Shrubs (<0.	s, Saplings .5m HIGH)		(1)	0	0	0		Woody Shrubs, Saplings (<0.5m HIGH		0	0	0	<u> </u>			ibs, Saplings <0.5m HIGH)	0	0	0	
Herbs, F	orbs and Grasses	1 0 1		0	0	0		Herbs, Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0	0	0	
Bare	ground		0	0	0	0	<u> </u>	Bare ground	$\overline{}$	0	0	0	<u> </u>		Bar	e ground ① ①	0	0	0	
Litt	ter, duff	0	0	0	Ø			Litter, duff	0	0	0	0	<u>O</u>		L	itter, duff 💿 🕕	0	0	0	
	Rock		0	0	0	0		Rock	0	0	0	0	0			Rock ① ①	0	0	0	
	Water		0	0	0	Ō		Water	0	Ō	0	0	0			Water ① ①	0	0	0	
	bmerged		0	0	0	0		Submerged Vegetation		0	0	0	Ō			Submerged O O	0	0	Ō	
			e/Ab	send	e - 1		rm that	a filled data bubble	_	tes p		1		unfilled				is bul		0
Resi	dential	and	Urba	an S	tress	sors		Hydrole	ogy S	Stres	sors			T STEEL I	Agricultural & R	ural S	Stres	sors		
Fill bubble if present - Plot 1 2 3 Flag							Flag	Fill bubble if pres		_	1	2	3	Flag	Fili bubble	e If present - Plot	1	2	3	Flag
Road - gravel OOO						Ditches, Channeliz	ation	à di	0	0	0		Pasture/Ha	ay .	0	0	0			
Road - two lane OOO					Dike/Dam/Road/RI			o	0	0		Range	\$ 1 - 10 (\$ \$ \$) (-1);	0	0	O				
Road - fou	r lane			0	0	0		Water Level Contro	ol Stru	octure	-	0	0		Row Crops		0	0	0	
Parking Lo	ot/Paver	nent		0	0	0		Excavation, Dredg	0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0			
Golf Cours	se		, v č	0	0	0		Fill/Spoil Banks				0	0		Fallow Field	0	0	0		
Lawn/Park		0		0	0	0		Freshly Deposited (UNVEGETATED)	Sedin	nent	0	0	0		Nursery	0	0	0		
Suburban	Resider	ntial	4	0	0	0		Soil Loss/Root Exp	osure		0	0	0		Dairy		0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Riprap			0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Outlets			0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0		Point Source/Pipe (EFFLUENT OR STORM	WATER	3)	0	0	0		Rural Resid	dential	0	0	0	
Trash				0	0	0		Impervious surface (SHEETFLOW)	inpu	l	0	0	0		Gravel Pit	15/48 X	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	
Indus	strial D	evel	pme	ent S	Stres	son	8				- (Habit	tat/V	egeta	tion Stress	sors				
Fili bubble	If pres	ent - I	Plot	1	2	3	Flag	Fill bubble if prese	nt - I	Plot	1	2	3	Fiag	Fili bubb	le If present - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear Cut			0	0	0		Herbicide U	lse	0	0	0	
Gas Wells				0	0	0		Forest Selective Cu			0	0	0		Mowing/Shr	rub Cutting	0	0	0	
Mine (surfa	ace)	113	111	0	0	0		Tree Plantation			0	0	0		Trails		0	0	0	
Mine (unde	erground	d)	-10	0	0	0		Tree Canopy Herbiv	ory		0	0	0		Soil Compa (ANIMAL OR H		0	0	0	
Military		le X	1 11	0	0	o		Shrub Layer Browse	d		0	0	0			icle damage	0	0	ō	
Other:	-		119	0	0	0		(WILD OR DOMESTIC) Highly Grazed Grasses				Q	0		Soil erosion	(FROM WIND, WATER,	0	0	ŏ	
Other:				0	0	0		(OVERALL <3" HIGH) Recently Burned Forest				20	0		OR OVERUSE) Other:		0	0	0	
Other:				Recently Burned Grassland					nd	0 0	0	0		Other:		0	0	0	-	
Flag codes: K = No measurement made, U = Suspect measurement, F1,F2, etc. =													rew.							
	3							lage in comment secti								242	8168	3304		

Buffer Sample Plots 05/27/2011



						-		200		1812013				
© Confirm	a fille	d da	ta bu	ibble ir	ndicates presence and an unf	illed I	bubb	le Inc	dicates	absence by filling in this bub	ble			
ill bubble if present - Plot	1	2	3	Flag	Fill bubble If present - Plot	1	2	3	Fiag	Fill 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 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	Ō	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	sfoot Trefoil O O Common Reed					0	0	0		Other:	0	0	o	
Canada Thistle	nada Thistle O O O Leafy Spurge		Leafy Spurge	0	0	0		Other:	0	0	0			
₩		200								Other:	0	0	o	
74					PLOT COORE	INA	TES			Telephone and				
O AA CENTER O N Latitude I						Lon	gitud	le W		and comment below)	8		1	
					Ose Decimal Degit	965,	NAD	03						
Flag Comments														
	2 6	lot	1	is	parking lot to go	10	עע	rse	: 8	lots 2 as 3 world	100	2 0	0 (Cour
1 10m E of					0 3 0				, v					
1 ION E O					3 3				, ,					

		1	April			FO	RM B-1:	BUFF	ER	SAI	MPI	E F	PLO	TS (F	ront)		Review	wed by	(Initial):		
Site I	ID: RC	400	lR	136	2										E: <u>0</u> 7						3	
Location	on:							Fill	in b	ubb	ole(s) if p	plot	(s) co	uld not be	sampl	ed a	nd fl	ag	→	T	
OAAC	Center	ON	0	S	0	EC	W		Plot 1			Plot			Plot 3							
Fili in bubbie Strata Section	es for all that a	apply: C	anopy	Type	: D =	Deciduo ie for ea	us: F = Evern	Buffer en. Leaf	Type: B	t = Bn	nadio	of N =	Moor	lia I aaf	Absent: No tre	e canopy.	(AC	1.75%	A = 1	/op. H	loove	/>759/\
Buffer	Canopy T				bser		Buffer	Canop		_		_		_	1	T			_	_	1000	_
Plot 1	Leaf T			5		Flag	Plot 2		of Typ	_			bser		Buffer Plot 3	Canopy		e: 🕦 e: 🕕	<u> </u>	-	sen	
Big Trees (>	0.3m DBH)	<u> </u>	10			liag	Big Trees (>			0		0	0	Flag		(>0.3m DBH		 [0]	<u> </u>		0	Flag
Small Trees (<	0.3m DBH)	0	0	O	0		Small Trees (+= +	$\frac{\circ}{\circ}$		0	0	┼	Small Trees		 	0	0	\odot	0	
Woody Shrubs		O	0	0	0	1	Woody Shrub	s, Saplings			0	0	0			ıbs, Saplings	12		-			
Woody Shrubs			0	0	10	1	Woody Shrub				0	0	0	 		im-5m HIGH) ibs, Saplings	1_	0	0	$\overline{0}$	\bigcirc	
Herbs, F		_	0	0	0			.5m HIGH) Forbs and			-	-	-			(0.5m HIGH) Forbs and			<u> </u>	0	0	
	ground (6	0	-	Por	Grasses		<u> </u>	0	0	0	-		Grasses			9	$\overline{\odot}$	0	
	er, duff	┵	0		0	-		ground	0	<u>O</u>	0		0	-		e ground	\odot		Θ	0	\odot	
	Rock			1	ا خ	<u> </u>	LII	tter, duff	0	$\overline{\odot}$		\odot	$\overline{\mathbb{Q}}$		<u> </u>	itter, duff	0	0	<u> </u>	0	0	
	Water		0	0	0	_		Rock		$\frac{9}{2}$	0	0	0		<u> </u>	Rock	0	0	0	0	0	
Sui	bmerged _		0	0	0	-	Sı	Water bmerged		$\widetilde{\odot}$	0	0	0	ļ	ļ	Water	0	0	0	0	<u>0</u>	
Ve	egetation 🐷		0	0	0	L	v	egetation		\odot	0	0	\odot	<u> </u>	<u> </u>	Submerged Vegetation	0	0	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														•								
-		_		Hydrolo		_	sors					Agricult	ural &	& Rui	ral S	tres	sore					
Fill bubble	If present	- Plot	1	2	3	Flag	Fill bubble	lot	1	2	3	Flag	Fill bubble	If preser	nt - PI	lot	1	2	3	Flag		
Road - gra	vel		0	0	0		Ditches, Channelization				0	0	0		Pasture/Ha	у			0	0	0	
Road - two	lane		0	0	0		Dike/Dam/I		Bed		0	0	0	<u> </u>	Range		EDN S		0	0	0	
Road - four	r lane		0	0	0		Water Leve	el Contro	I Struc	cture	0	0	0		Row Crops	Row Crops					0	
Parking Lo	t/Pavement		0	0	0		Excavation	Dredgir	ng		0	0	0		Fallow Field ROW CROP FIELD	NG	0	0	0			
Golf Cours	е		0	0	0		Fill/Spoil Ba				0	0	0		Fallow Field SHRUBS, TRE		ASS,		0	0	0	
Lawn/Park			0	0	0		Freshly De	ED)		ent	0	0	0		Nursery			130	0	0	0	
Suburban f	Residential		0	0	0		Soil Loss/R	oot Expo	sure		0	0	0		Dairy				0	0	0	
Urban/Mult	ifamily		0	0	0		Wall/Riprap) 			0	0	0		Orchard				0	0	0	
Landfill			0	0	0		Point Source				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping		M. T.	0	0	0		(EFFLUENT O	R STORM			0	0	0		Rural Resid	lential			0	0	0	
Trash			•	•	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	L	Other:	-			0	0	0	
Indus	trial Deve	lopm	ent S	itres	sors	•					F	labit	tat/V	egeta	tion Stress	ors						
Fili bubble	if present -	Piot	1	2	3	Flag	Fili bubble	f preser	ıt - Pl	ot	1	2	3	Flag	Fill bubbl	e if prese	nt - F	Piot	1	2	3	Flag
Oil Drilling			0	0	0		Forest Clear	Cut			0	0	0		Herbicide Us	se			0	0	0	
Gas Wells			0	0	0		Forest Selec	tive Cut			0	0	0		Mowing/Shr	ub Cutting		_	o	0	0	
Mine (surfac	ce)		0	0	0		Tree Plantati	ion			0	0	0		Trails				ŏ	0	Ö	
Mine (under	rground)		0	0	Ö		Tree Canopy		ry	1	0	0	0		Soil Compac			_		0	0	
Military			0	0	0		(INSECT) Shrub Layer			+					(ANIMAL OR HL			_	\rightarrow	\rightarrow	\rightarrow	-
Other:			0	0	9		WILD OR DOME Highly Graze		es	+		0	0		Offroad vehi Soil erosion		JUNE 1	rn l	0	-	의	
		_	\rightarrow		-		(OVERALL <3" H Recently Bur	IGH)		-	0	0	0		OR OVERUSE)		T T		이	-	의	
Canopy Canopy				- Carrier -			0	0	0		Other:				0	-	0					
Other:		Ma .	0	<u> </u>	이		(BLACKENED)				0	0	0		Other:			_[0	0	
					Expla	in ali fl	ags in comme	rement., I nt section	1,F2, on th	etc. = e bac	misc k of t	. flags	s assi rm	gned by	each field cre	ew.	2	4281	168	304		
But	fer Sample	riots	05/	2//2	U11																	

• FO	RM	B-1	: E	SUFF	ER SAMPLE PLOTS -	TAR	GE.	TEC	ALI	EN SPECIES (Back) Reviewed by	(Initial):		
Site ID:	PC	AP	R	213	362	DAT	E:	<u> </u>	_/_	1812013				
Confirm	a fille	d da	ta bı	ıbble li	ndicates presence and an unf	illed I	oubbi	e ind	licates	absence by filling in this bubl	ole	1		
Fili bubble if present - Plot	1	2	3	Flag	Fill bubble If present - Plot	1	2	3	Flag	Fill 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 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	a Thistle OOO Leafy Spurge					0	0	0		Other:	0	0	0	
										Other:	0	0	0	
			i de	100	PLOT COORI	DINA	TES				1	7		
O AA CENTER O N		0 s h 4		O E3	O W3 Nearest pra	Lor	gitud	de V		o and comment below)	5			
											I			
Flag Comments								1						
1 Private	on g	Per	4							·				
					-									
<u> </u>								_						
								_						
										796	662	354	8	

Buffer Sample Points - Targeted Alien Species 05/27/2011

FORM D 4. DUETED CAMDLE DLOTS (Front)																					
FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial):																					
Site I	D:	PCI	49	13	69		RR										1812		3	,	
Location	on:		1						Fill	in b	ubb) cou	ld not be	sampled and fl	ag -	→		
OAAC	enter	0	N	0	S	OE	0	W		lot '			Plot			lot 3					
Fiii in bubbie Strata Section	es for all th on: Fill in	hat app approp	piy: Ca oriate c	nopy over o	Type: lass b	D = D	eciduou for eacl	s: E = Everare	Buffer en. Leaf T or each pio	voe: B	= Bro	adleaf	N = N	leedle	Leaf. A	bsent: No tree derate(10-40°	e canopy. %); 3 = Heavy (40-75%)	; 4 = V	ery He	avy (>75%)
Buffer	Canop) () At	sen	t: ()	Buffer	Canopy	у Тур	e: 0	() Ab	sent	: O	Buffer	Canopy Type:	0	Ab	sent	: O
Plot 1	Lea	f Typ	e: 🧶) (<u>·</u>		_	Flag	Plot 2	Lea	f Typ	e: 0) (_ 1	Flag	Plot 3	Leaf Type: (\odot	集	_	Flag
Big Trees (>	0.3m DBH	0	0	(2)	0	0		Big Trees (>	-0.3m DBH)	0	0		<u> </u>	<u> </u>		Big Trees	(>0.3m DBH)	<u> </u>		의	
Small Trees (<		1=	0	0		0		Small Trees (0	\odot	0		<u> </u>		Small Trees		0		9	
	5m HIGH)	10		0	0	0			-5m HIGH)	0		0	0	<u> </u>		(0.5	bs, Saplings m-5m HIGH)		0	<u> </u>	
	.5m HIGH)		0	0	0	0			.5m HIGH)	D		0	<u> </u>	<u> </u>			0.5m HIGH)	0	<u> </u>	<u> </u>	
Herbs, F	orbs and Grasses		0	0	0	0		Herbs, I	Forbs and Grasses	蒽		0	<u> </u>	<u> </u>		Herbs,	Forbs and Grasses	0	<u> </u>	<u> </u>	
Bare	ground	0		0	0	0		Bare	ground	0		0	0	⊙		Bar	e ground ① ①	0	0	0	
Lit	ter, duff	0	0	0	0			Li	tter, duff	0	0	0	0			L	itter, duff 💽 🕦	0		<u> </u>	
	Rock		0	0	0	0			Rock	(1)	0	0	0	0			Rock 💿 🌑	0	0	0	
	Water	0	0	0	0	0			Water	(a)	0	0	0	0			Water 💿 📀	0	0	0	
	ibmerged		0	0	0	0			ubmerged egetation		0	0	0	0			Submerged	0	0	0	
Vegetation														9							
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Str													tress	sors							
Fill bubble If present - Plot 1 2 3 Flag					Fill bubble	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	If present - Plot	1	2	3	Flag			
Road - gra	avel			0	0	0		Ditches, Channelization				0	0	0	0	Pasture/Ha	ay	0	0	0	
Road - two	o lane		JIK.	0	0	0		Dike/Dam/Road/RR Bed				0	0	0		Range		0	0	0	
Road - four lane OOO					Water Lev		Stru	cture	0	0	0		Row Crops		0	0	0				
Parking Lo	ot/Paven	nent		0	0	0		Excavation, Dredging				0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0	
Golf Cours	se	Б пе,		0	0	0		Fill/Spoil Banks					0	0	,	Fallow Fiel SHRUBS, TRE	d (OLD - GRASS, ES)	0	0	0	
Lawn/Park	(, Que	1	0	0	0		Freshly Deposited Sediment (UNVEGETATED)					0	0		Nursery		0	0	0	
Suburban	Resider	ntial		0	0,	0		Soil Loss/I		0	0	0		Dairy			0	0			
Urban/Mul	ltifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	이	
Landfill	pick's			0	0	0		Inlets, Out			-	0	0	0			nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	OR STORM	VATER	۲)	0	0	0		Rural Resi	dential	0	0	0	
Trash				0	0	0		(SHEETFLOV	V)	200.700		0	0	0		Gravel Pit	DEAL PROPERTY.	0	9	이	,
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	stria! D	evel	opm	ent S	Stres	sor	S						Habit	at/V	egeta	tion Stress	sors				9.11
Fiii bubble	If pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	FIII bubb	le if present - Plot	1	2	3	Flag
Oil Drilling	1.53		er)	0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	Jse	0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut	la s		0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta	ition			0	0	0		Trails		0	0	0	
Mine (und	erground	d)		0	0	0		Tree Canor	y Herbiv	ory		0	0	0		Soil Compa	ection IUMAN)	0	0	0	
Military			- Ku	0	0	0		Shrub Laye		d		0	0	0		Offroad veh	nicle damage	0	0	0	
Other:	7			0	0	0		Highly Graz	ed Grass	ses		0	0	0		Soil erosion	(FROM WIND, WATER,	(a)	6	0	
Other:	_			0	0	0		Recently Bu	urned For	rest	45	0	0	0		Other:		0	0	0	
Other: OOO					Canopy Recently Burned Grassland					0	0		Other:	- 111	o	0	0				
	her: OOOO Recently Burned Grassland OOO Other: Other: OOO O																				
	uffer Sa					Exp	lain ail f	lags in comm								Harm Hall	242	J T 06	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

• FO	RM	B-1	1: E	3UFF	ER SAMPLE PLOTS -	TAF	RGE	TEC	ALI	EN SPECIES (Back) Reviewed by	y (initia	n:		
Site ID:	P	CA	P	PR	1362	DAT	E: _(0	Z '_	18.13.013				
Confirm	a fiile	ed da	ıta bı	ubble li	ndicates presence and an unf	illed I	bubbl	ie Ind	licates	absence by filling in this bubi	ble			
Fili bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill 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 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	Aile-A-Minute Weed O O Reed Canary Grass						0	0		Other:	0	0	0	
Birdsfoot Trefoil O O Common Reed				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	
				To T	PLOT COORI	DINA	TES				W.			
O AA CENTER O N		0 S3		O E3	W3 O Nearest pra 4 5 5 9 Use Decimal Degi	Lon	gitud	de W		and comment below)	5.			
Flag Comments														
Buffer Sample Po	ints -	- Targ	geted	l Alien !	Species 05/27/2011					796	662:	3548	3 (