Project Label:	PCAP PCAP	Plot No	: Quality Control Form Sp Gieneland Metropas : 34 95 Date Sampled: 7/3) Lead: 1 N
		-2052005	Comment required if item answer is NO
Parking/Access outsi	ide of Park Boundaries:	Y (N)	If yes, write details in Comments section below
Field journals compl	eted	Ø N	
Site sketch made on		(Ŷ) N	
Check cover page	X-axis Bearing of plot recorded	(y) N	
	GPS coords. Recorded	(Ŷ) N	
8	North direction recorded	(Y) N	
	Photographs taken?	(Ŷ) N	
Plot No., Date agreer	nent on all pages?	(Ŷ) N	
Header data complete		Ø N	
Cover classes recorde	ed in all Intensive modules	(V) N	
Browse Level By Spe		(Y) N	
Woody stem quality	control check	W N	
Invasive plant quality		(y) N	
Ash trees mapped		(V) N	
Cover by Strata? (cor	nfirm cover type)	(Y) N	,
	d with matching plot #.	(Y) N	
	datasheet with initials and number	(Y) N	
Vouchers labeled on		(Y) N	
Pink flags removed		(Ŷ) N	
Data sheet QA before	leaving site?	(Y) N	
Common equipment i		₩ N	
Data sheets scanned?		8/2/3	Enter date to left 38
Final data sheets scan	ned?	1000	Enter date to left
Buffer Widths measur		₩ N	RC 89
Web Soil Survey		(Ŷ) N	QC 8/9
Voucher Location	Refrigerator	Ø N	LC 51
# vouchers collected)	Press (#)	<u> </u>	Enter number to left
JAM 157-	Drier	Y N	Enter transce to let
	Identified	YN	
160	Mounted	YN	
	Thrown away	YN	
	1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	1 1	
GRTS point verificat	tion: Is plot sampleable?		
Yes	Original GRTS point is sampleable		
□ No	Original GRTS point lands in a non-s	ampleable area (f	II in category below)
	Point falls in a water (i e river, la		
	Managed mowed area (i.e. golf c		ıl-of-way)
	□ Paved area (i.e. parkinglot, road)		
	☐ Unsafe to sample (i.e. steep slope)☐ Other		
	I a Guioi		

Topa Topa

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Gieveland Metroparks 6 Total modules: Project Label: 442 S H (F)(A) Br 27. 1 S 3 1-3 4 6 Phynus semaina Alliaria 5 Savizula maritandica 300 Frazinus Carya throading triply llum Prints virginians Arisasma Prunus 300 Acer rubium M035 SADmormens Hampfold Unus Frannus indara Poly Gonatum Acer Spp (seedlinus) rataeaus 2001. oxico dendinon Br = Browse Level. Use cover classes to describe amount of browse per species over circula lutetiano ited pumila 165 ibumum opulus 0 Saccharum 333 ないせって CALORNISS petioloto 500 pennsylvanica triphyllum Species entire plot (seed) inos seedlings) radicans pubes ans rar spulus triphilum +Wichyilum O Intensive modules: %unveg. ground (bare soil) %unvegetated open water Estimate for each intensive module: %unveg. litter (bare litter Project name: 01 RP 2013 AM Voucher # %open water 12 depth 2 L 3 5 1 S Ŵ _ depth by Š W S S comer mod 7 COV دع J cov | depth 1 3 ī depth Plot configuration: 3 L M 3 လ 17 S كاما comer ş Š VS N W 100 cov depth Plot no.: 3495 ş 13 12 5 -0 mod 2 2×5 ş ş 5 2 depth depth 2 mod ť S COV 0 Ŋ 2 \odot ş 6 3 depth لر C Plot area (ha): ş 703 2 2 7 2 C 10 1 Page 引 12 47 0 0 0 ş Ş 2 12 depth 0.1 3 Ŀ نن v T 2 corner Q, ş ş 3 depth depth E E 20 comer 604 90 æ

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

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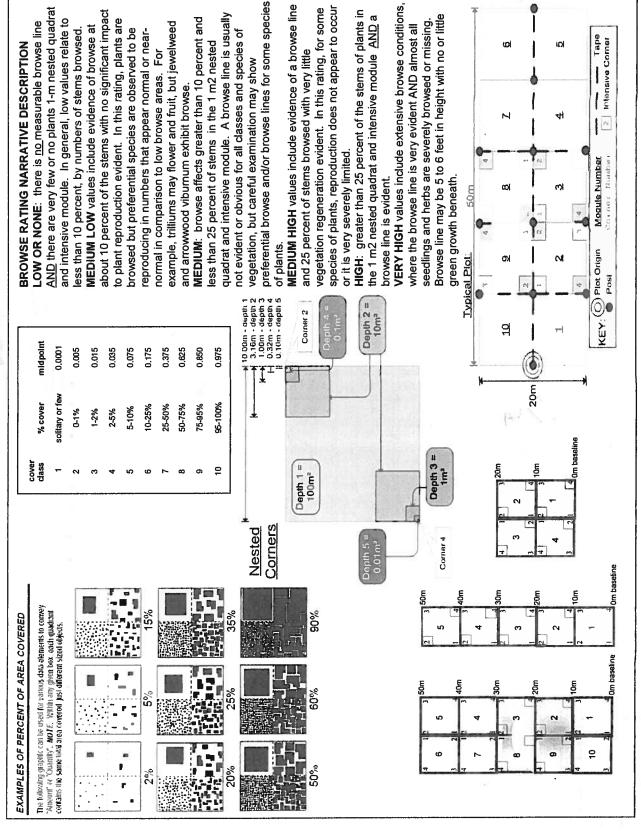
obovatus

3

Allium tricocchur

(2-6-12 Natural Resource Management FORM NR/2010-02a

1

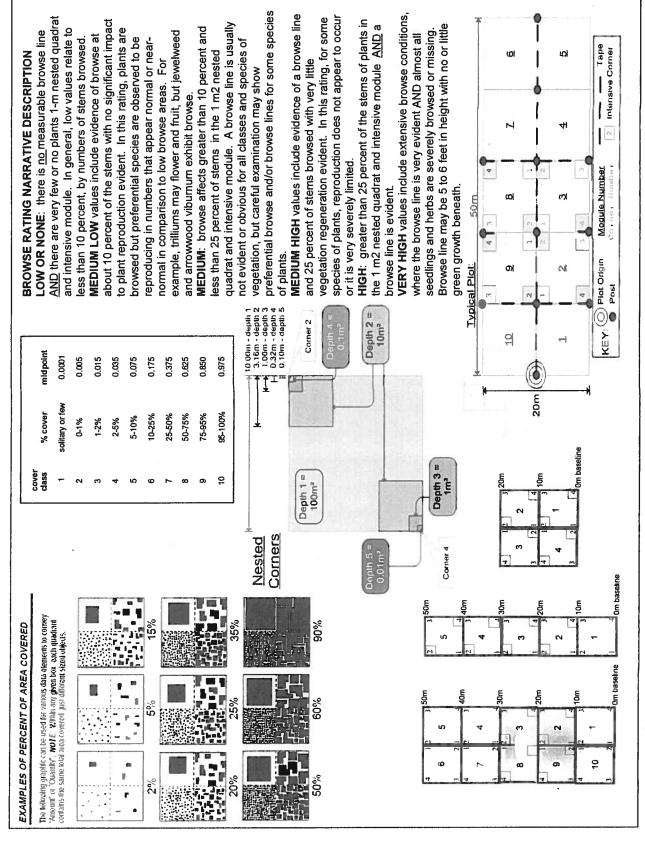


2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a T | S | H |(F)(A)|Br Strata - Cov. entire plot Cieweland Matroparks Total modules: Project Label: **(***) دم دب دم 8/Asteratepe spe io Eveny mus 7 Viburana 6 9 Physics cerosus Acteur Eupatorium rugosum Lonicalo Carya Cordiform 1-Oxalis Populus delloides XUIMS Hackelia virginica Kanunculus necurvatus Franquia Ulmus Spp -raxinus sop Jeum Span (anadens Robinia Partinging cissus Polygonum virginianum Ruleus Benestations Captium sage describe amount of browse per species over 00 OWICENS Br = Browse Level. Use cover classes to MUS OF MENTORNO õ albo SAA 2005 h13pide dentatum Species alativs entire plot Ulhus pseudo-acacia 2 MILO Morrawin (Seed lina (seed) nos guing we felion allegraniensis Intensive modules: %unveg. ground (bare soil) %unvegetated open water Estimate for each intensive module: %unveg. litter (bare litter $\mathcal{C}_{\mathcal{O}}$ AM 158 Project name: 0 RR 2013 AM159 Voucher # 1672-1572 %open water depth ि । Plot configuration: mod corner mod 8 cov depth 2 depth comer Ş 5 ş depth depth mod N comer mod cov depth Plot no.: 3495 8 depth 13 S Co 1XB comer COV 5 ş 4 depth depth ∞ ₹ r comer 6 cov depth cov | depth mod Plot area (ha). O. corner 400 VOS depth depth N DOE: 2 Page 2 of 3 08 0 13 cov depth cov | depth 13 mod comer 8 ş depth depth mod ∇ æ 8

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

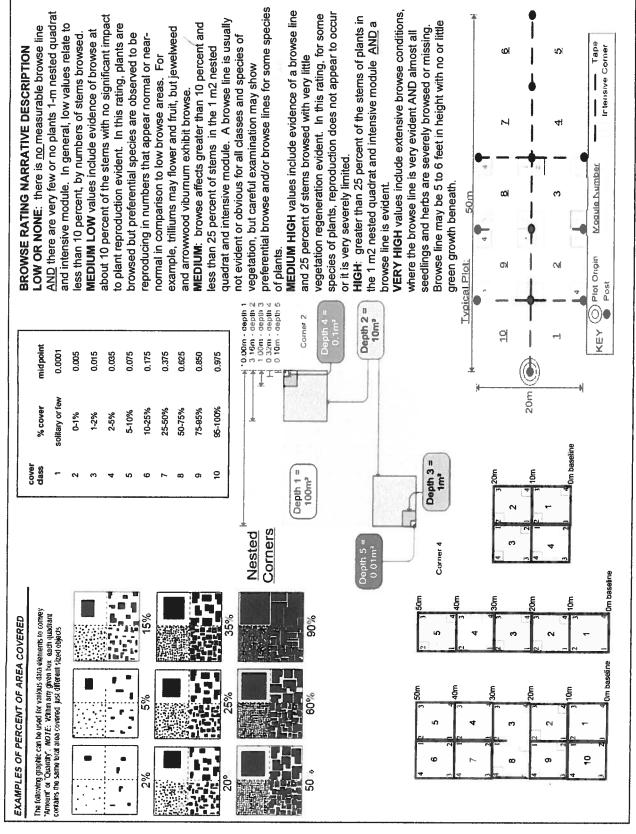
Natural Resource Management FORM NR/2010-02a



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

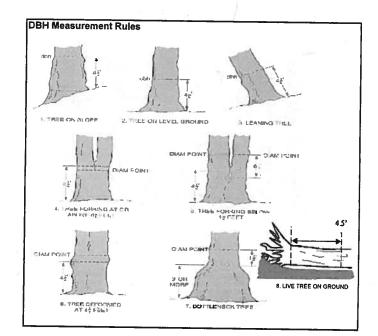
CLEVELAND MI Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: つりなっての3	nent Program Specie Project name:	ies Cover Data Shee : りりになるのろ	t 2a Plot no.: 3445	<i>y</i>	Page 3 of	M
Total modules:	\overline{c}	Intensive modules:	: 4 Plot configuration:	juration: 2 x5		Plot area (ha): O .	•
®	Br = Browse Level. Use cover classes to	Estimate for each intensive module:	mod corner mod corner C 4 7 2 depth cov depth cov	mod comer mod comer n 3 4 3 2 depth cov depth cov de	mod comer mod comer \$ 4 \$ 7 depth cov depth cov	mod comer mod comer 9 4 9 7 depth cov depth cov	mod come
Wetroparks	entire plot	%unvegetated open water %unveg. ground (bare soil)	<u> </u>				
		VIIIV	-				
7- S H (+)(A) Br	Species Species	c Voucher#	depth cov depth cov	depth cov depth cov d	depth cov depth cov	depth cov depth cov	depth cov
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	Berneris thunberry						<i>P</i>
	C						
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						-	
							+
						-	

Natural Resource Management FORM NR/2010-02a



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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet کر 7 4 O w (js دن Ronos Jacquaison Explain subsample (additional room on back): RONS SOUNS Promis Virginiana Evenyous closedus grans serolina Berberis Annhergi Rochmonsesson quinquelle Stonding dead property source Rarthanxisus quinquebolis Brows Viagniana Espando donactio Ales saucherum Standina dead Rier Suichann Ulmus americanca Linder benzoin YOUNGE SO. Acer suboum Maxin's 50. from's Servina Ciadera Denzero Standing clead Acer Succhasium Project Label: _ PCAP voucher# # stems 0 D browsed sample clumps 0-1.4m or super % sub Project Name: 01 RR 2013 shrub # size class (cm) woody stems >1.4m 오 소 Ħ Ø 1-<2.5 2.5-<5 Plot No.: 3495 5-<10 10 - <15 5 15 - <20 0 20 - <25 Page: 25 - <30 30 - <35 으 Gieveland Metroparks 35 - <40 **5** 1,04 52.8 >40 (record each tree) =



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.



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D

ASH CANOPY BREAKUP CONDITION (for dead trees):

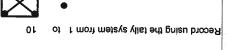
(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below)

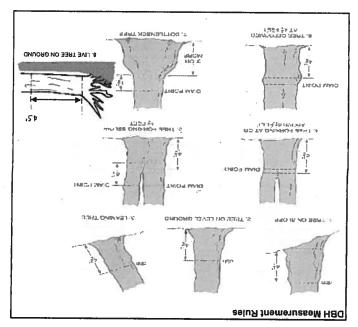
- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs.
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

5 16 C, 165 Risthanussus quagration CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 6 6 بى 0 6 6, S 6 G Propos Vicaniana Standing deed Rows Suption Rows Viainam Explain subsample (additional room on back) Picer saccharon Regionary Was Franch alous Bosa Militiago Frax: aus pensylvania Standing obaid Parthenocissus quagrefolia hubis of alleghen Propos sorotion Linder benzoin ACE Sachworn Ulmus americana Standing dead Vibusian dentation Aces runium Robinson Osendaracia Acer Succhasium Acer ruboun indea benzoin ROPHOUS JURNA Project Label: PCAP voucher# 3.7 -. 0 9 browsed sample 0-1.4m # stems or super % sub Project Name: CI (L(LZOV) clumps shrub # 口口 7 size class (cm) woody stems >1.4m コ 0 2 2 7 ů U 7 1-<2.5 2.5-<5 Plot No.: 3495 5-<10 10 - <15 15 - < 20 20 - <25 Page: 2 25 - <30 30 - <35 잌 (Cleveland Metroparks 35 - <40 5 44.1 >40 (record each tree) =

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









NOITIGNOD Y GONAD HEA

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- (lowest branch) on the trunk.



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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):

tank as described below)

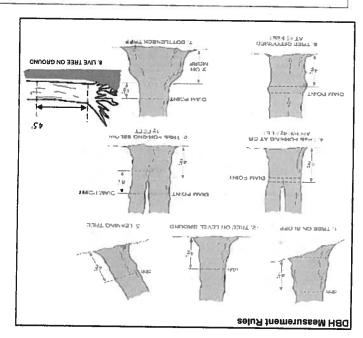
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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 3 œ 00 ٥ 00 ਰ 2 0 OC 0 Proposa Visionina Explain subsample (additional room on back): Parthemass pringetti Transport Court FRAXIOUS SO. Aces Succhavan Rooms Vicatoriana Standing day Porthanocissus quinquethia Ulmus omericana from's seroting Propos Virginiana Pronus sentina מסקור אוני בינונה PUNDS CERUSIUS Kraxinus So Cresa Cordifornis Ulmus americana fraxions 30 Krugus SeroHain How succhanno niciznad vangoin AGE SACHOLUM Project Label: PCAP voucher# 90 00 # stems browsed 0-1.4m or super sample % sub Project Name: OI KICCA 3 clumps shrub # size class (cm) woody stems >1.4m 4 I **5** 7 2 1-<2.5 2.5-<5 Plot No .: 3495 5-<10 10 - <15 15 - <20 6 20 - <25 Page: 25 - <30 5 30 - <35 앜 (P) Cleveland Metroparks 35 - <40 ಕ 59,4 51.4 45.5 >40 (record each tree) = 52.8 S S

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











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ASH CANOPY CONDITION

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(towest pranch) on the trunk



usuk as described below) (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):

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

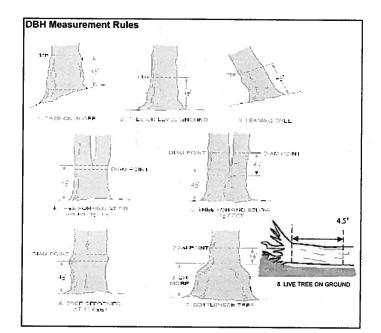
B: Over 50% of main branches have fine twigs.

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

D: Stem still standing and tertiary main branches present.

E: Central stem still standing.

Project Label: Explain subsample (additional room o mod # species The Corphynology And Project Label:		c back	PCAP:	# stems 0-1.4m browsed	Project % sub or super	Name:	Project Name:	Plot size class (cm) woody stems >1.4m	y stems >	Plot No.: 3495	3495		Page:	7	9.2	4 Clevelai	Clevel and Metroparks
*	nple (additional room on species	c back	oucher#	The state of the s	% sub	#	size class	(cm) wood	y stems >	1.4m			╝.		╢.		
*	species	٥	oucher#				size class	(cm) wood	y stems >	.4m							
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	2007			-0	sample	clumps	7 6	1-<2.5	2.5-<5	5-<10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	>40 (record each tre
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ASH CANOPY BREAKUP CONDITION (for dead trees):

(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below)

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* 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)

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet Project Label: PCAP Project Name: DIRIZO13 INTENSIVE MODULES ONLY TREES ≥ 10CM ONLY Plot No.: 349 5 Date: 7 34 13 Page: 1 of 2

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																				G		0	0	G	Epicormic present
																				1				-	Woodpecker holes

Baseline 9 H 8 2 Ç œ ۵ T

*** Change intensive module numbers when necessary

Map all ash trees ≥10cm in each module using Tree ID number

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

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

(G-cover)

Dame's Rocket

Periwinkle

Hesperis matronalis

Vinca minor

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface

Project Label: PCAP Project Name: 0 10 20 3

Plot No.: 3495

(A) Classed and Webra painton Page: 1 of 1

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

LFI is angle of plot to the horizon TSI is angles formed by local slopes. For TSI measure

eve of person

angle from

ve.ve standung -iti m

in 0 Im clippling (23.32 cm) form corners I and 3 in each intensive module. Required for VIBI-E score calculation. C?=check when collected	from corners 1 and score calculation. C	3 in each	intensive when
Module #	C7	Corner Corner	Corner

CLASSIFICATION		
(FIT = excellent g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
DEPRESSION	7	Conf=
o IMPOUNDMENT o Beaver o Human	1	Conf=
🗅 RIVERINE 🗖 Headwater 🗆 Mainstem 🗖 Channel	1	Conf=
□ SLOPE (ground water hydrology or on a physical slop)	Film	Conf=
o FRINGING to Reservoir to Natural Lake	F	Conf
COASTAL (specify subclass)	7	Conf
BOG (strongly, moderately, weekly ombrotrophic)	7	Conf
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	TYING	
□ FOREST □ swamp forest □ bog forest □ forest seep	Film	Conf
n EMERGENT n marsh n wet meadow n open bog	7	Conf
□ SHRUB □ shrub swanp □ tall sh. bog □ tall sh. fen	Fir-	Conf=

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) anks for microhabital 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 Stope 2 = falls on slope ~20 ° Slope 3 = maximum steepness that can be safely sampled ~45°

- feature is absent or functionally absent from the wetland
- feature is present in the wetland in very small amounts or if more common, of low quality
- feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality

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

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		9	00	3	2	mod#					
						corner					
			0	0	0	(count)	lxim	depth 3		tussocks	no of
		77	2	0	С	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hunimocks	no of
	(5	N	4	-	(count)	10x10m	depth 1		depressions	no macro
		X 20	35	2)	88	(count)	10x10m	depth 1		(2-12 cm)	c.w.d
		0	a	02	w	(count)	10x10m	depth 1		(12-40cm)	c.w.d
		5	0		G	(count)	10x10m	depth 1		>40 cm	c.w.d
		J	יט	4	7	(rank)	10x10m	depth 1		interspers	nucrohab
		0	C	0	0	(rank)	10×10m	SLOPE			microhab

Landform Index (position within landscape) Terrain Shape Index (site microtopographic shape) +315 degrees +270 degrees +225 degrees +180 degrees +135 degrees +90 degree: +45 degrees At aspect ZE W. SW SE W

Module	CROWN COVER (DENSIONIETER) Make 4 readings per module facing N. S. E. W. Place dot count in corresonding space (4 dots per grid square)
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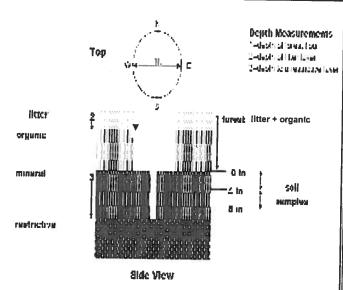
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COVER BY STRATA

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

*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.



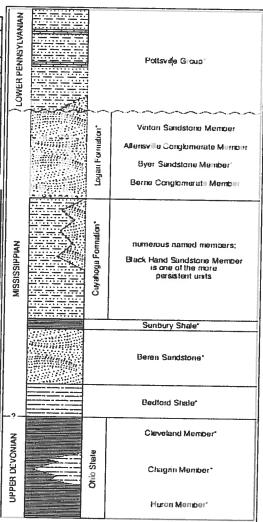


FIGURE 3-20.—Generalized section of Upper Devonian Misiasippian, and Lower Pennsylvanian formations in northeastern Onto Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section represents acule, but the thicknesses indicated are proportional. The term "Wavety is used in the older hierarture to refer to Missiasippian rocks in Onto. Some geologists use the European term "Carotoniferous," which encompasses the Missiappian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Tormanion, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectagular massive sandstone that is fairly widespread out disconinations. See Hyde (1923), Hoover (1950), and Collins (1979) for mare information on Mississippian rocks in Ohio. See figure 3-15 for explanation of rock upps.

^{**}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: 6162 2013 Plot No.: 349 S

(C) Claretand Metroparks

Page: 1 of 1

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

Soil pit module #

(one per entire plot)

5 cm 20 cm matrix color matrix color 10 YES/3 hydro. cond.*** redox features** texture* exid roots redox features** %mottle texture* oxid roots nydr. cond.*** •mottle ottle color 1010 ttle color M 000 101 K3/A I S M D I S M D Z z 2 (z

refer to texture classes on reverse side

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

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

castings, middens)

5 Wind Sees

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	□ Excessively dr. □ Somewhat excessively	DRABAGES	Parent Material Allyway	Depth to rest. Layer: 80 1	Landform type: Flow Platos	Soil Series Source Ohio Soil Survey	Soil Series/Type: Ch - Chargin sil	Web Soil Sun of Information	2,3,8,9 composited	Soil Collection Module Hortzon (A, B, C)
II dr.	sively	The second		Ich			11/10/2		>	

□ Impermeable surface QC 8/9

Somewhat poorly dr.

Very poorly dr.

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

9	8	3	2	mod#
0.8	2.0	3,0	3.5	l litter+ organic depth (cm)
3,0	2.0	3,0	3.5	2 litter depth (cm)
0	0	0	0	water depth
230	956	230	250	depth sat soil (cm)

EARTH SURFACE & GROUND COVER	DE & GROUN	ID COVER	
Underlying Earth Surface*	Surface*	Ground Cover	
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	0	Coarse Woody Debris***	22%
Mineral Soil	1,00%	Fine Woody Debris****	15%
Gravel-Cobble*	0	Litter	75%
Boulder**	0	Duff (Ferm + Humus)	0
Bedrock	0	Bryophyte- Lichen	180
* Gravel-Cobble = 1/16-10"	1/16-10"	Water	Ò
**Boulder = > 10 in	in	Bare Soil	0
*** >5 cm in diameter	eter	RoadTrail	O
**** <5 cm in diameter	meter	Other	0

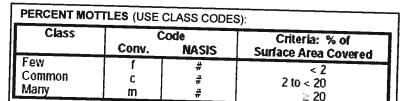
* rooted and fi	(Aquatic)*	(Floating)*	Herb	Shrub	Tree	Strata	COVER BY STRATA estimate using midpoi
° rooted and floating or slightly emersed	-	1	€0,5	0.5-5	>5	Height Range (m)	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13
rsed	١	1	13%	58%	83%	Total Cover (%)	,ex:3, 8, 13

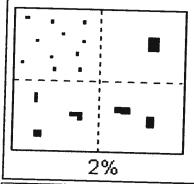
TRAIL INFORMATION:	
record type and cover for each	ach
Type NUN +	%Cover
n All Purpose	
ា Bridle	
□ Hiking sanctioned	
□ Bootleg unsanctioned	
□ Gravei	
a Deer	

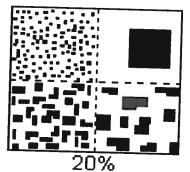
STAND SIZE >600 x plut size > 100 x plut size > 100 x plut size 3-10 x plut size 1-3 x plut size < plut size

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

** submersed, most plant mass below surface







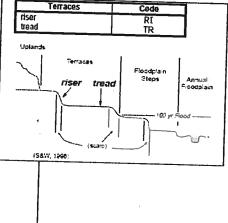
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper, the sample should be wet enough that all of the particles are saturated but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

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

Position

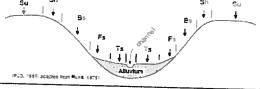
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains: e.g., (for Hills) nose slope or NS.

- 1		C01	16	
I		PDP	NASIS	II
ł	interfluve	IF	İF	1
ı	head slope	HS	HS	1 1
ı	nose slope	NS	NS	
l	side slope	SS	SS	
l	base slope		BS	
l				
ı		Head slope	. /	
l		Stope .	A LEGIS	ا4 ا
		1 / 1	A PA	/ [
				14) L
	\$100°	Nose	1	8
	- Ask /	slope	330	7 /
	Alkevia		1	1
			9/	
	· white (rder stream		
			adapted from Ru	re. 1975)



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.

	Position		Code	7
ı	summit	\top	SU	1
ı	shoulder-	- [SH	1
1	backslope	- 1	BS	1
ı	footslope		FS	1
Į	toeslope		TS	ı
	Su Sh			_
		₿s		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

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

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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Road - fou	ır lane			0	0	0		(INVECTOR LEGAN)				1	0	0	ļ	Fallow Field (RECENT-RESTING				0	0	
Parking Lo	ot/Paverr	nent		0	0	0		Excavation	n, Dredgi	ng		0	0	0		ROW CROP FIEL	0	0	0			
Golf Cours	se			0	0	0		Fill/Spoil B		Codie	- ant	0	0	0	ļ	Fallow Field (OLD - GRASS, SHRUBS, TREES)				0	0	
Lawn/Park	(0	0	0		Freshly De	ED)		991	0	0	0	ļ	Nursery			0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	Root Exp	osure		0	0	0		Dairy			0	0	0	
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				(BLACKENED)	mieu GR	assial	ıu	0	0	0		Other:			0	0	0					
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Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	+	-	-	Fla
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		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk		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	_
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Resi	dential	and	Urba	an St	tress	sors		Hydrology Stressor								Agricultural & Ru			ral S	tres	sors		
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Road - gra	avel	IØ.	J.	0	0	0	*	Ditches, Channelization					0	0		Pasture/Hay				0	0	0	
Road - two	o lane			X	•	0		Dike/Dam/Road/RR Bed (IMPEDE FLOW)					0	0		Range		i i i		0	0	0	
Road - for	ur lane			0	0	0						0	0	0		Row Crops Fallow Field (RECENT-RESTING)				0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation, Dredging					0	0		Fallow Field (RECENT-RESTING ROW CROP FIELD) Fallow Field (OLD - GRASS.				0	0	0	
Golf Coun	se			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)				0	0	0	
Lawn/Parl	k			0	0	0		Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery				0	0	0	
Suburban	Residen	ntial		0	0	0		Soil Loss/F	Root Exp	osure		0	0	0		Dairy				0	0	0	
Urban/Mu	Itifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard			16	0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A		ding	79	0	0	0	
Dumping	-			0	0	0		Point Sour (EFFLUENT C	OR STORM	WATER	()	0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOV		inpui	IT SET	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:	-21			0	0	0	
Indu	strial D	evel	opmo	ent S	itres	sor	S					1	labit	tat/V	egeta	tion Stress	sors						
Fill bubble	e if pres	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if pres	ent - F	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se			0	0	0	
Gas Wells	S			0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	g		0	0	0	
Mine (surf	face)	lan.		0	0	0		Tree Planta	tion			0	0	0		Trails			PH.	0	0	0	
Mine (und	erground	d)	I II	0	0	0		Tree Canop	y Herbiv	ory		0	0	•		Soil Compa (ANIMAL OR H				0	0	0	
Military 0 0 0							Shrub Laye		d	ĒĠ	•	0	•		Offroad veh		ge		0	0	0		
Other: O O O							Highly Graz	ed Grass	ses	2/5	0	0	0		Soil erosion		ID, WA	TER,	0	0	0		
Other:				0	0	0		Recently Bu		rest	n.	0	0	0		Other:				0	0	0	
0 0 0 F						Recently Bu	ımed Gra	asslaı	nd	0	0	0		Other:				0	0	0			
Flag codes: K = No measurement made, U = Suspe							(BLACKENED)	urement	F1.F2	2. etc.				igned b		rew.							
Flag codes: K = No measurement made, U = S Explain all (Buffer Sample Plots 05/27/2011								lags in comm	ent section	on on	the ba	ick of	this fo	m					428	3168	• • ∪4	L	

					ER SAMPLE PLOTS					IEN SPECIES (Back) Reviewed		iat):		
		_	-					_		s absence by filling in this bu		L H		
Fill bubble if present - Plot		2	3		Fill bubble if present - Plot	T	2	T			-	1		
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	_	-	3	Flag		-	2	3	Fla
Water hyacinth	0	0	0	-	Knotweed	0	0	0		Johnson Grass Kudzu	0	1		_
Yellow Floating Heart	0	0	0	-	Japanese Knotweed	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	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0	_	Himalayan Blackberry	10	0	0	
Mile-A-Minute Weed	0	0	0	-	Reed Canary Grass	0	0	0		Tamarisk	0	0	0	
Birdsfoot Trefoil	0	0	0			0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
The state of the s	0	10	0		Leafy Spurge	0	0	0		Other:	0	0	0	
	ER OUT	LI GOVE	NO.		PLOT COORI					Other:	0	0	0	
O AA CENTER N3) S3 <u> </u>		O E3					7,610	and comment below)	6			
				Manua Manua	Use Decimal Degr	ees;	NAD	B3						
Flag Comments	Ty)													
												(CITAL	436	
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	-					-		2011-1212						
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				1000			-70-							
Buffer Sample Poin	nte T	argo	tod A	lion C-	00 00 00 00 00 00 00 00 00 00 00 00 00					7966	6235	548		7
22 Jumple Foll								114	lon			T. 18		
	(3 M	U 5}	ord	Phalans	K	~ ™ W.	v ITI	100					

				_								A	_	_							
	FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAP RR 3495 DATE: 0.7/3.1/2.0/3 Location: Fill in bubble(s) if plot(s) could not be sampled and flag OAA Center ON OS DE OW OPlot 1 OPlot 2 OPlot 3																				
Site I	D:	p(A	<u> </u>	RI	<u>۷</u>	31	195	_		O.A.										
Location	on:																sampled and fl	ag –	→		
OAAC	Center	0	N	0	S	9 E	0									lot 3					_11
Fill in bubble Strata Section	es for all th on: Fill in a	at app	oly: Ca oriate c	nopy 1 over c	Type: I lass b	D = D ubble	eciduous for each	· E = Evernre	Buffer I en. Leaf T or each plot	we B	= Bro	adleaf	N = N	leedle	Leaf. A	bsent: No tree derate(10-40%	canopy. %); 3 = Heavy (40-75%);	4 = V	ery He	avy (>	>75%)
Buffer	Canopy	/ Тур	e: 🧶	() At	sent	: O	Buffer	Canopy	/ Тур	e: 🌀	() Ab	sent	: O	Buffer	Canopy Type:	0	Abs	sent:	<u></u>
Plot 1	Lea	f Typ	e: 📵	<u> </u>			Flag	Plot 2	Lea	f Тур	e: 🧶	<u> </u>			Flag	Plot 3	Leaf Type:	0	Ļ		Flag
Big Trees (>	0.3m DBH)	0		2	3	\odot		Big Trees (-0.3m DBH)	0	0	0		<u> </u>		Big Trees	(>0.3m DBH) 0			<u> </u>	
Small Trees (<0.3m DBH)	0	0	0		\odot		Small Trees (<0.3m DBH)	0	0	0		<u> </u>		Small Trees			<u> </u>	<u> </u>	
Woody Shrubs (0.5m	s, Saplings -5m HIGH)	0		0	0	0		Woody Shrubs, Saplings (0.5m-5m HIGH) Woody Shrubs, Saplings				0		<u>O</u>		Woody Shru (0.5	0	<u> </u>			
Woody Shrub: (<0	s, Saplings .5m HIGH)	0	0		0	0		Woody Shrubs, Saplings (<0.5m HIGH) Herbs, Forbs and					0	0		Woody Shrubs, Saplings (<0.5m HIGH)			<u> </u>	<u> </u>	
Herbs, Forbs and Grasses O O O O								Grasses O				0	Herbs, Forbs and Grasses					0	0	0	
Bare	ground	0	•	0	0	0		Bare	ground	0		0	0	0		Bar	e ground 🗿 🔵	0	0	<u> </u>	
Lit	ter, duff		 				0	0			L	itter, duff 🕕 🕦	0	0							
	Rock	6	0	0	0	0			Rock		0	0	0	0			Rock 📵 🕦	0	0	0	
	Water		Ō	0	<u></u>	0			Water		0	0	0	0			Water 💿 🔾	0	0	0	
	ubmerged	$\overline{\odot}$			ubmerged /egetation		0	0	0	0			Submerged O	0	0	0					
	egetation		e/Ab	senc	(O)	Confi	rm that			ndica		resen	ce and	d an	unfilled			ng thi	s bub	ole. (•
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 The stress of the st																					
			Contract of the last		_		Flag	Fill bubble if present - Plot			1	2	3	Flag				2	3	Flag	
Fill bubble if present - Plot 1 2 3 Fl Road - gravel OOO							3					0	0	0		Pasture/Hay			0	0	
Road - tw		HE S		0	0	0		Dike/Dam/Road/RR Bed				0	0	0		Range		0	0	0	
Road - for				0	0	0		(HWPEDE PLOVY)			1	0	0		Row Crops		0	0	0		
Parking L		nent		0	0	0		Excavation, Dredging				0	0	0		Fallow Fiel	0	0	0		
Golf Cour				0	0	0		Fill/Spoil E	Banks	U.Sir		0	0	0		ROW CROP FIELD) Fallow Field (OLD - GRASS, SHRUBS, TREES)			0	0	
Lawn/Par	k			0	0	0		Freshly Do		Sedin	nent	0	0	0		Nursery		0	0	0	
Suburban	Resider	ntial		0	0	0		Soil Loss/		osure		0	0	0		Dairy		0	0	0	
Urban/Mu	ultifamily			0	0	0		Wall/Ripra	ıp qı	J. I		0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Ou		Ľ,		0	0	0		Confined A	Inimal Feeding	0	0	0	
Dumping		111	14.1	0	0	0		Point Sou (EFFLUENT	OR STORM	WATE	۲)	0	0	0		Rural Resi	dential	0	0	0	
Trash				0	0	0		Imperviou (SHEETFLO		inpu	l	0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:				0	0	0	L	Other:				0	0	0		Other:		0	0	0	
Indu	ıstrial D	evel	opm	ent S	Stres	sson	s						Habit	tat/V	egeta	tion Stress	sors				
Fill bubbl	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt -	Plot	1	2	3	Flag	Fill bubb	ole if present - Plot	1	2	3	Flag
Oil Drilling	g			0	0	0		Forest Clea	er Cut		THE	0	0	0		Herbicide U	Jse	•	0	0	
Gas Well	s	35		0	0	0		Forest Sele	ective Cul	ı	M. J.	0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (sur	face)			0	0	0		Tree Planta	ation			0	0	0		Trails		0	0	0	
Mine (und		d)		0	0	0		Tree Cano		ory		0	0	0	<u> </u>	Soil Compa		0	0	0	
•	2019.00.1	-			0	0		(INSECT) Shrub Lay	er Browse	ed		0	0	0	_		hicle damage	0	0	0	
Military				0	1	1		(WILD OR DO Highly Gra	zed Gras	ses	CON	0	0	0		Soil erosion	n (FROM WIND, WATER,	0	0	0	
Other:			-10	0	0	0		(OVERALL <3 Recently B		rest	Sec. 70	+		1	-	OR OVERUSE Other:		0	0	0	-
Other:			-51	0	0	0		Canopy Recently B	umed Gr	assla	nd	0	0	0					0	0	_
Other:				10	0	0		(BLACKENED)			0	0	0	igned b	Other:	PROM	O			
						Exp	lain all	Suspect mea: flags in comi	nent secti	on on	the b	ack of	this fo	om om	ignea b	y each field o	242	8168	3304		
	Buffer Sa	mple	Plots	05	5/27/	2011				-		1700			-		and the second second	1200			

Site ID:					ER SAMPLE PLO						IEN SPECIES (Back) Reviewed I	by (initia	al):	0151	
								_	_	_	3112013				
	1				THE RESERVE OF THE PARTY OF THE	- 22	T	bubb	le ind	dicates	absence by filling in this bub	ble			
Fill bubble if present - Plot		2	3	Flag	Fill bubble if present -	Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Fla
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	9	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	•		Giant Reed		0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	L	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	(5)	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	(8)	0	0	0		Other:	0	0	0	-
Canada Thistle	0	0	0		Leafy Spurge		0	0	0		Other:	0	0	0	
							0				Other:	0	0		-
9					PLOT CO	ORE	DINA	TES	HXX.	10000		91	9	이	
O AA CENTER O N3 Latitude No	C) S3		E3	O W3 O Neares Use Decimal		Long	jitud	e We		and comment below)	۲.		Flag	3
Flag Comments					CALL DESCRIPTION										
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0 0															
					ı										
Buffer Sample Poin	ts - Ta	ərget	ed A	lien Spe	ecies 05/27/2011						79666	5235	48		

			_				FOF	RM B-1:	BUFFI	FR	SAN	/PI	F PI	ОТ	S (Fr	ont)	R	eviewe	ed by (in	itiat):		4	
Site I	D:	PC	ΔD		1212	>			DOI!!			/// L				: 67					/ >		
Location		FU	7			_	01		T Eill	in h	uhh	la/e)	if nl			ld not be						_	~ T
OAAC		0	N	0:		OE	. 0	w	OP			The same	Plot 2			lot 3				9	N. C.		
UAAC	enter	0	14	•	3		. 0		Buffer		pi n					1000						4	
Fill in bubble Strata Section	es for all th on: Fill in a	at app	ily: Ca riate c	nopy 1 over c	Type: I	D = D oubble	eciduou for eacl	: F = Evernre	en Leaf T	vne: B	l = Br	adleat	N = N	leedle	Leaf. A	bsent: No tree derate(10-40%	e canopy. %); 3 = Heav	ry (40-	75%); 4	= Ve	iry He	avy (>	>75%)
Buffer	Canopy	/ Тур	e: 🔞	() At	sent	: O	Buffer	Canopy	/ Тур	e: 🌘) () 48B	sent	: O	Buffer	Canopy	Туре	: 🜘	<u> </u>	Abs	sent:	_0
Plot 1	Lea	f Тур	e: 🕡) (_ \	Flag	Plot 2	Leaf	f Тур	e: () 7	rresi	Flag	Plot 3	Leaf	Туре	: 🕲	<u> </u>	Ļ		Flag
Big Trees (>	-0.3m DBH)	0	0	②	@	0		Big Trees (-0.3m DBH)	0	0	②	0	⊙		Big Trees	(>0.3m DBH)	0	\odot		<u> </u>	<u> </u>	
Small Trees (<0.3m DBH)	0	0	0		0		Small Trees (<0.3m DBH)		0	2	0	<u>O</u>		Small Trees		0	0	9	<u> </u>	<u> </u>	
Woody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0		0	0		Woody Shrub (0.5m	s, Saplings -5m HIGH)	0	0	0		0			bs, Saplings m-5m HIGH)	0	0		3	0	
Woody Shrubs	s, Saptings .5m HIGH)	0	0	0	0	0		Woody Shrub (<(s, Saplings).5m HIGH)	0	0	0	0	0		Woody Shru (<	bs, Saplings 0.5m HIGH)	0			\odot	0	
	orbs and Grasses	0	•	0	0	0			Forbs and Grasses		0	(4)	0	0		Herbs,	Forbs and Grasses	0	00	3	0	0	
Bare	ground	0	Ō	<u>0</u>	0	0		Bare	ground	0	(4)	0	0	0		Bar	e ground	0	(4)	2	0	0	
Lit	ter, duff	0	Ō	0	0	0		Li	tter, duff	0	6	0	<u></u>	Ŏ		L	itter, duff	0	_	3	0	0	
	Rock	(0	0	0	0		· · · · · · · · · · · · · · · · · · ·	Rock	9	0	0	S	$\overline{\odot}$			Rock			_	<u></u>	Ō	
	Water	0	0	0	0	0			Water	0	0	0		$\frac{9}{0}$			Water	0		_		Ö	
	ubmerged	(a)	0	0	0	0			ubmerged	0	0	9	0	$\frac{\circ}{\circ}$			Submerged	0	- +		<u></u>	ŏ	
	egetation						m that		egetation		1				unfilled	bubble indic	Vegetation cates abse				-		30
unidasa.	dential		NOT TO		Vid non	2015	in that					100107					Agricultu	100			(100)		0.000
				1.1			Floo	Hydrology Stress				1	2	3	Flag					1	2		Flag
Fill bubble		ent - I	PIOT	1	2	3	Flag	Fill bubble if present - Plot				1			riag			0	0	0			
Road - gra				0	0	0		Ditches, C		No. of Lot		0	0	00			Pasture/Hay Range			0	0	0	300
Road - tw				0	0	0		(IMPEDE FLO	W)	MHESS IN	-	0	0	0		Row Crops				6	0	0	
Road - for			1100	0	0	0		Water Level Control Structure			1	0	0		Fallow Field (RECENT-RESTING				6	0	0		
Parking L		nent		0	0	0		Excavation, Dredging			0	0	0		Fallow Field (OLD - GRASS,				6	0	0		
Golf Cour				0	0	0		Fill/Spoil Banks Freshly Deposited Sediment			0	0	0		SHRUBS, TREES)				5	0	0		
Lawn/Parl	2	41-1		0	0	0		(UNVEGETATED) Soil Loss/Root Exposure			0		0		Nursery				0	0	0		
Suburban		itiai		0	0	0		Wall/Riprap			0	0	0		Orchard				0	0	0		
Urban/Mu	luramily	- 195 - 8 1	-	0		-		Inlets, Out		-		0	-			Confined A	nimal Fee	dina	-+	<u></u>	0	0	
Landfill			-	0	0	0		Point Soul	ce/Pipe			0	0	0		Rural Resid	-	og	_	0	ö	0	
Dumping		-10		0		0		Impervious	surface	NATE:	()	0	0	0		Gravel Pit			-	0	0	0	
Trash				0	0	0		(SHEETFLOV	v)			0	0	0		Irrigation		MAK.		0	0	0	
Other:		_		0	0	0		Other:	-			0	0	0		Other:			- +	ö	0	0	
Other:	4	-				FF(10)		041011							ogotal	S SUPERINEAN	PARC			<u> </u>			
Indu	strial D	evel	opm	ent S	itres	SOL		Particular								tion Stress				. 1	- 1		-
Fill bubbl	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - I	March 1	1	2		Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse	911	-	0	이	0	
Gas Wells	S		14	0	0	0		Forest Sele	ctive Cut	H		0	0	0		Mowing/Sh	rub Cutting)	96	이	0	0	
Mine (sur	face)			0	0	0		Tree Planta				0	0	0		Trails				0	0	0	
Mine (und	lerground	d)		0	0	0		Tree Canor (INSECT)	y Herbive	ory		0	0	0		Soil Compa (ANIMAL OR H				0	0	0	<u> </u>
Military				0	0	0		Shrub Laye		d		•	0	0		Offroad vet	nicle dama	ge		0	0	0	
Other:				0	0	0		Highly Graz		ses		0	0	0		Soil erosion OR OVERUSE		ID, WA	TER,	0	0	0	
Other:				0	0	0		Recently B	urned For	rest	THE	0	0	0		Other:				0	0	0	
Other:			78	0	Recently Burn					assla	nd	0	0	0		Other:				0	0	0	
	lag codes	: K =	No me	1		mad	e, U = S	(BLACKENED)	urement.,	F1,F	2, etc.	= mis	c. flag	s ass	igned b	y each field c	rew.		 2428	168	304		
	Buffer Sai				/27/	Exp	lain ali	lags in comm	nent section	on on	the b	ack of	this fo	п				THE STATE OF	_ 120	_ 00	554	200	
				_																			

C. Morrowi, R. multiflow, Phalans G. Mustard, Buckthorn

Site ID:	Pa	AP		R	3495	DAT	ΓE:	0.	71	3.1.1.2.0.1.3				
Confirmation	n a fill	ed da	ata b	ubble i	ndicates presence and an uni	filled	bubb	le in	dicates	absence by filling in this bub	ble			
Fill bubble if present - Plo		2	3		Fill bubble if present - Plot	_	2	3	Flag	Fill bubble if present - Plot		1.		
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	1	2	3	Flag
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	(6)	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	9	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			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	-			Other:	0	0	0	
					, , , , , , , , , , , , , , , , , , , ,	0	0	0	-	Other:	0	0	0	
SALL WATER DESIGNATION				SOME	PLOT COORE			NOT THE	·	Other:	0	0	이	
Buffer Plot 3 can not be acots are centered on the Bug box, and describe where ther placed as close to the Location of coordinat	cessed offer Tra the co center es (ch	d, tak ansec ordin of PI	e the ets an ates ot 3 a	coording the coording were tags posses.	nates at the nearest practicable oordinates will indicate the local ken and why in the comment sible or at the center of the last a	ection	belo sible	w. Th Buffe	ect. Fill le coord r Plot.	TRANSECT. This is important b in the "nearest practicable loca dinates of the nearest practicable local finates of the nearest practical finates of th	ecaustion" i	se all bubbl ation	Buffe e, fill can b	er in the
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Woody Shrubs (0.5m-	s, Saplings +5m HIGH)	Ø		0	0		Woody Shrub (0.5m	s, Saplings 1-5m HIGH)	0		0	0	0		(0.5	bs, Saplings m-5m HIGH)	0		<u> </u>	0	
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Herbs, F	Grasses O	(1)	0	①	0		Herbs,	Forbs and Grasses	0	9	②	0	0		Herbs,	Forbs and Grasses	0) (<u> </u>	
Bare	ground 💿	0	0		0		Bare	ground		0	0	0	0		Bar	e ground	0		<u> </u>	0	
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				e - (Confi	rm that			ndica	tes p	resen	ce an	d an	unfilled		ates absence	by filling	this	bubi	ble. (9
Resi	idential and	Urba	n St	ress	sors	W.S		Hydrolo	gy S	Stres	sors			1 218		Agricultural	& Rura	St	ress	ors	
Fill bubble	e if present - f	Plot	1	2	3	Flag	Fill bubble	e if prese	ent -	Plot	1	2	3	Flag	Fill bubble	if present - P	lot 1	T	2	3	Flag
Road - gra			0	0	0		Ditches, C		30		0	0	0	-	Pasture/Ha	ıy		5	o	0	
Road - two	-	7/	0	0	0		Dike/Dam/	/Road/RF			0	0	0		Range	10 T 14 Aug	(-	-	o	
Road - fou	ur lane		0	0	0		(IMPEDE FLO Water Lev		Str	ıcture	+	0	0	1	Row Crops			5	-	0	
Parking Lo	ot/Pavement	100	0	0	0		Excavation	n, Dredgir	ng	132	0	0	0		Fallow Fiel	d (RECENT-RESTI	NG (5	o	0	
Golf Cour	se		0	0	0		Fill/Spoil E	Banks		III.	0	0	0			d (OLD - GRASS,	(0	0	
Lawn/Parl	k	Vie	0	0	0		Freshly De		Sedir	nent	0	0	0		Nursery		(0	0	
Suburban	Residential		0	0	0		Soil Loss/	The state of the s	osure	•	0	0	0		Dairy				0	0	
Urban/Mu	ltifamily		0	0	0		Wall/Ripra	ip .			0	0	0		Orchard		(0	0	
Landfill	dispersi		0	0	0		Inlets, Out				0	0	0		Confined A	nimal Feeding	(0	0	
Dumping			0	0	0		Point Sour	OR STORM			0	0	0		Rural Resi	dential	(2	0	0	
Trash			0	0	0		(SHEETFLOV		inpu		0	0	0		Gravel Pit		(0	0	
Other:			0	0	0		Other:				0	0	0		Irrigation		(-	-	0	
Other:			0	0	0		Other:				0	0	0		Other:		(0	0	
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Fill bubble	e if present - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt -	Plot	1	2	3	Flag	Fill bubb	le if present -	Plot		2	3	Flag
Oil Drilling	9		0	0	0		Forest Clea	ar Cut			0	0	0		Herbicide L	se			0	0	
Gas Wells	s		0	0	0		Forest Sele				0	0	0		Mowing/Sh	rub Cutting	(5	0	0	
Mine (surf	face)		0	0	0		Tree Planta		191	19	0	0	0		Trails					0	
	lerground)	1919	0	0	0		Tree Canor		ory		0	0	0		Soil Compa			+	-	0	
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The state of the s		-100					(WILD OR DOI Highly Graz	zed Grass	ses		0	0	0		Soil erosion	(FROM WIND, WA		-	-	0	
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	lag codes: K = N Buffer Sample				Exp	lain all f	uspect meas lags in comn	urement., nent sectio	F1,F on on	2, etc the b	= mis ack of	this fo	ps assi orm	igned b	y each held c	rew.	24281	683	304	K	

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Water hyacinth	0	0	0	-	.051	10	0	0	-	Johnson Grass	0	0	0	
Yellow Floating Heart	_	0	0	_	Japanese Knotweed	0	0	0		Kudzu	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Multiflora Rose	0	0	0	
Garlic Mustard	0	0	0			0	0	0		Common Buckthorn	0	0	0	
Poison Hemlock	0	0	0	\vdash	Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Mile-A-Minute Weed	0				Cheatgrass	0	0	0		Tamarisk	0	0	0	
Birdsfoot Trefoil		0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
ounder miste	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
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Buffer Sample	e Points - Ta	rgete	ed Al	ien Spe	cies 05/27/2011					79666	235	48		