



CLEVELAND METROPADA		
CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form  Project Label: PCAP Plot No: 135 7 Date Sampled:	1/25	Lead: Metroparks

Parking/Access or	itside of Park Boundaries:	(Y) N	Comment required if item answer is NO
Field journals com		YN	If yes, write details in Comments section below
Site sketch made o	n 1:3000 map?	Ø N	
Check cover page	X-axis Bearing of plot recorded	Y) N	
	GPS coords. Recorded	(Y) N	
	North direction recorded	Ø N	
	Photographs taken?	(Ŷ) N	
Plot No., Date agre	ement on all pages?	(Ý) N	
Header data comple	eted all pages?	(P) N	
Cover classes recor	ded in all Intensive modules	(Y) N	
Browse Level By S	pecies	W N	
Woody stem quality		(Ŷ) N	
Invasive plant qualit	y control check	Y N	
Ash trees mapped		(Ý) N	
Cover by Strata? (co	nfirm cover type)	W N	
soil samples collecte	ed with matching plot #.	(Ŷ) N	
ouchers labeled on	datasheet with initials and number	(Ŷ) N	
ouchers labeled on	collection bag	(Y) N	
ink flags removed		(Ŷ) N	
ata sheet QA before		(Y) N	
ommon equipment i	returned to tub.	(V) N	
ata sheets scanned?		6//-	Enter date to left BB
nal data sheets scan			Enter date to left
iffer Widths measur	ed?	(Ŷ) N	/ 2.0
eb Soil Survey		Y N	BB 8/2/2
oucher Location	Refrigerator	(Y) N	0/0/2
vouchers collected)	Press (#)		inter number to left
AM 150 -	Drier	Y N	weet transport to fell
154	Identified	YN	
- 1	Mounted	YN	
	Thrown away	YN	

GRTS point verif	fication: Is plot sampleable?	
Yes	Original GRTS point is sampleable	
□ No	Original GRTS point lands in a non-sampleable area (fill in category below)	
	2 on turis in a water (i.e. river, lake)	
	☐ Managed moved area (i.e. golf course picque area picht of we)	
	= 1 aved area (i.e. parkinglot, road)	
	Unsafe to sample (i.e. steep slope)  Other	
Additional Comme	ents:	14-10-15 TB-14-

Additional Com	ments:
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Parked @ 12436 Prake Rd w/ permission of the elderly gentleman who lives there. Mr. Hogts

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Minimum required fields in Bold and Underlined TAXONOMIC STANDARD Authority: TAXONOMIC ACCURACY Hurried □ Accurate Wery thorough SAMPLING QUALITY\* PLOT NOT SAMPLED: Effort Level: □ Perm. water □ Paved □ Slope □ Safety \*\* Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. and date (if > 1 day): Plot No.: GENERAL INFORMATION ate (mm/dd/yyyy): 7/25/2013 roject Name: 01 MS 2013 roject Label: PCAP + Schrautinua Miller high Level 5 (nested corners sampled) Level 4 (no nested corners sampled) G&C Thanks, 13ter Hotys modera. how much effort put into may still provide good sampling. Hurried plots subjective evaluation of Pub Date: low Plot leader Role\*\* Woody Tech not smp a Other n/a 1998 □ Systematic (grid) □ Capture specific feature □ Other Plot placement: GRTS Camera No.: (3 \*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Carpainus and Ostraya. ☐ Random ☐ Stratified Random ☐ Transect component Depth: (1-5): Plot size for cover data: 055 GPS File Name: 1359/ ntensive modules: 2, 3, 8, 9 - 1, 2, 3, 4 (EDIT IF MODIFIED Coord. Accuracy: GPS location in plot x=0 to 5, y=1,0,+1) Datum: ■ NAD83/WGS84 □ NAD27 □ Other (specify) ■ Lat/Long □ UTM □ StatePlane Coordinate system □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Check one: 

Public data □ Private Data If data not public why? Data Confidentiality: Local Place Names: Dirake Rd LOCATION Landowner: (MP State: OH Quadrangle X-axis Bearing of plot: (base of plot x=0, y=0) County: Cuyahuah Representative deg 🗆 deg min Coord. Units [350] ° Mill. Plot is near the end of the grassy hill area, near the forest edge. Follow the roadway several hundred meters until you reach the wetlands. Follow trail on the east side of the residents are very nice, walk east of the house and find the old roadway. dominants, strata, BROWSE). Additional notes in space on back. content), Rationale (why here), and Veg Characterization (description of community, NOTES: Include Layout (any unusual shape details). Location (directions and landscape Diagram Plot origin GPS location photo taken, with direction 2 10 module plot Veg. characteristics: mixed forest w/ mature white Rationale: GRTS point Location - Park in the diveway of Layout - 1×5 death + dyling and basewood :..... shows of \* # location of 5 permanent posts Page 1 of 2

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

	o tuomonom t	A Sand Data Sheet Background Data Sheet	nd Data Sl	neet				Cocuminad Multiples	
CLEVELAND METROPARKS Plant Community	numity Assessment	Project Name: 0 MS 2015	OI MS	2013		Plot No.: 1359	1359	Page 2 of 2	NT
Project Label:			Pictib	DICTIDBANCES					
MODIFIED NATURESERVE CLASS*			NO I CITA		_		Jesemintion		
	Fire Confe		type*	severity**	히	% of plot	describation	1.18	Τ
CODE (on separate form):	1		_	د	7 <	100	trash ans with	on the	Т
Ð			Natural				ס		Т
	3	V Edge	, i						
COMMUNITY NAME:		Community	III.						1
		_		2	0	1801	deer boase	e, trail	
15,021 1894 1			Other	2					$\neg$
		·	**! = ow	MI =med low	M=med.	MH=med h	**1 =low MI =med low M=med, MH=med high, H=high, VH=very high	ery high	$\neg$
HOMOGENEITY		٠.		1100.	d M				٦
n Homogeneous a Compositional t	□ Compositional trend across the plot		Current	alla Osc.					
d spoisiford	mosaic		Former Land Use:		Z Z				
	HYDROLOGIC REGIME*	GIME*							
_	VI Inland (seldom flooded)		□ Intermittently flooded	oded					
	Intermittently/seasonally saturated		□ Semipermanently flooded	/ flooded					
SALINITY			Dermanently flooded	ded					
D Saltwater	(seldom flooded)	5	our Crumoumil						
n Brackish	Dermanently/Semipermanent. saturated		☐ Tidal/Seiche flooded daily	oded daily					
	(dry <1/vr, seldom flooded)		al/Seiche flo	☐ Tidal/Seiche flooded monthly					
D Fresh	Cocasionally flooded (<1/vr)		al/Seiche flo	☐ 'Tidal/Seiche flooded irregular					
☑ Upland (n/a)	Temporarily flooded		(e.g. wind, storms)	ms)					
	a remporanty noocca	. <u> </u>	1 Juknown						
(by default unless plot is a wetland)									
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	ess of plot to the stand, suce	cessional status, maturity,	eic.)	1		200	The state	10 1 AR 000	
100 H	built to sample	an eclosi, so	\$	₹- 6-	2000 1000		יייייייייייייייייייייייייייייייייייייי		
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ON THE CHASSIAN	L Lance K-tw	orh (just started)	to 1122	かたない	MAN POR		אות ולות בת	)	•
Trangsives choking out marthaes every	Malthard . Coming !								
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i .									

Cleveland Metroparks Strata - Cov. entire plot Total modules: Project Label: THE INDEARKS Plant Community Assessment Program Species Cover Data Sheet 2a | S | H |(F)|(A)|Br describe amount of browse per species over Parthanocissos quinquestin Br = Browse Level. Use cover classes to Species entire plot %unveg. ground (bare soil) %unvegetated open water Estimate for each intensive module: Intensive modules: %unveg. litter (bare litter) Voucher# Project name: O MS Ze 3 %open water mod S. Co cov | depth corner mod +1 Plot configuration: 8 8 depth Plot no.: 1359 A00 W cov | depth 0 0 mod comer L

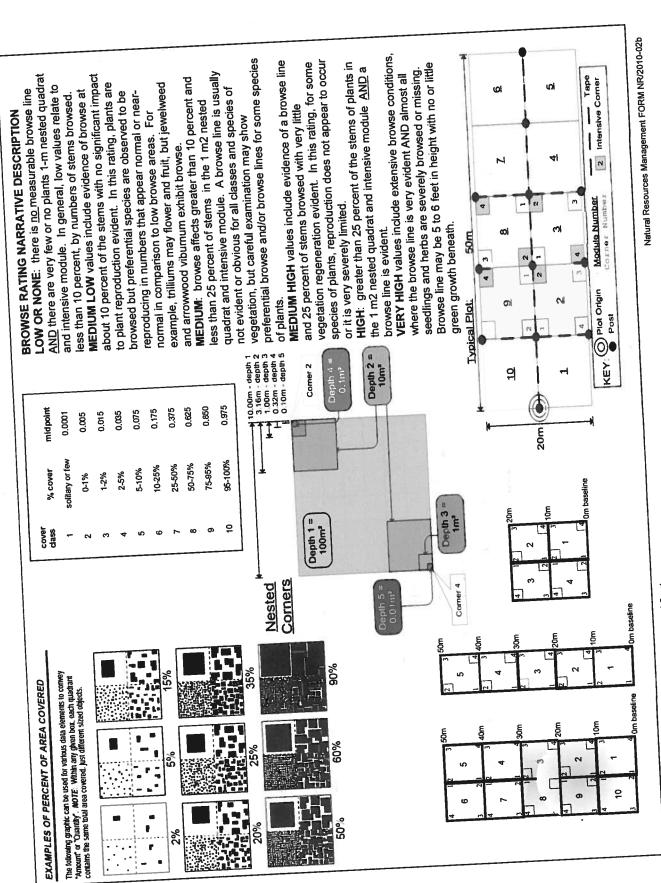
2aCM PCAP Species Cover Data-sheet Page 1 of x\_ver 3.xls last revised 5/29/2012 ceh 5 475 3 5 7 3 Francy la 3 Carpin's Rubus alleapheniensis Systems Moss spp. Ulmus spe (seedling) Elymus sperbystox Frankling awex sop gravilling Ostrayo Scheng Spp JEWM CANADOUNCE Janines 34p. AVYON SOF. Rusin Mu Quercus alba Ulmus Americana Acer ribum Potentills Ansaema triphyllum triphyl COMMYS SAA Glyana strint Toxoodendurn radizans CarolMidmid 1+1Flores VIVA MILENN sed line 13-1532, 1533 ¥ 3 JAM 150 5 2 Ū S رن <u>C</u>  $\mathcal{L}$  $\overline{\mathbf{C}}$ 2 ىر W 2 1 Ē Ġ 2 3 C r 3 Ü Ŋ G (1 2 5 W 4 2 I 17 N 1 N 13 N V  $\langle \mathbf{v} \rangle$ 1 IJ 2 2 13 N D4 7/2 cov depth Us N 0 v W ş Plot area (ha): 0, 05 C نن ₩ M N N 0 0 1/3 0 cov | depth C 2 0 cov depth comer mod comer W 2 W \_ S S 989 mod Z) ş

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W/O CONCUE

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Natural Resource Management FORM NR/2010-02a



2bCM PCAP Species Cover Data Sheet Back Page\_ver 1.3.ppt

[ witsour 6 6 Strata - Cov. entire plot Cleveland Metroparks CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: Total modules: S H (F)(A) Br 73 12 1-2 7 Q Gò Chrya corditor MUS Asternizado Onoclea u As to vi at entrolive アルガイで Veranta R 625 500. A WOWN BY CIVER Cratageus soo Tilia - WOUND Cavex Swan,i Liminate Airdinish Astronous sop Oxalis styleta UNK. rupella vulganz Prints sentin Polygonum VIBUCAUM Udentatum MIRANGIN describe amount of browse per species over Calnunculus recurrates Br = Browse Level. Use cover classes to Sables poorcas SUBJUTUIO month and chripales Sensibilis Marg entire plot Species S opulus var aprily V. MINICIPIAN SE1-4-1-3 ဂ Intensive modules: %unveg. ground (bare soil) %unvegetated open water Estimate for each intensive module: CAS 2  $\mathcal{G}$ %unveg. litter (bare litter) 1/14M 152 Project name: 0 M5 2013 Voucher # 1540 538,39 153 %open water depth depth mod comer mod comer 'n cov depth cov | depth Plot configuration: 1×5 2 3 ş COV 4 S depth S depth N S W W S mod 3 47 2 3 2 2 comer Plot no.: 1359 N N T S 8 cov | depth depth 1 1 mod 2 2 comer 8 700 W W ذر depth depth 4 3 ₹ E C 7 N w) 4 comer v Ø 2 Ş cov | depth Z depth mod (vi N Plot area (ha): 0.05 N mod N N Page 2 of 3 L3 COV corner mod N cov | depth Ē N N 2 COV COV 6 depth depth mod æ

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

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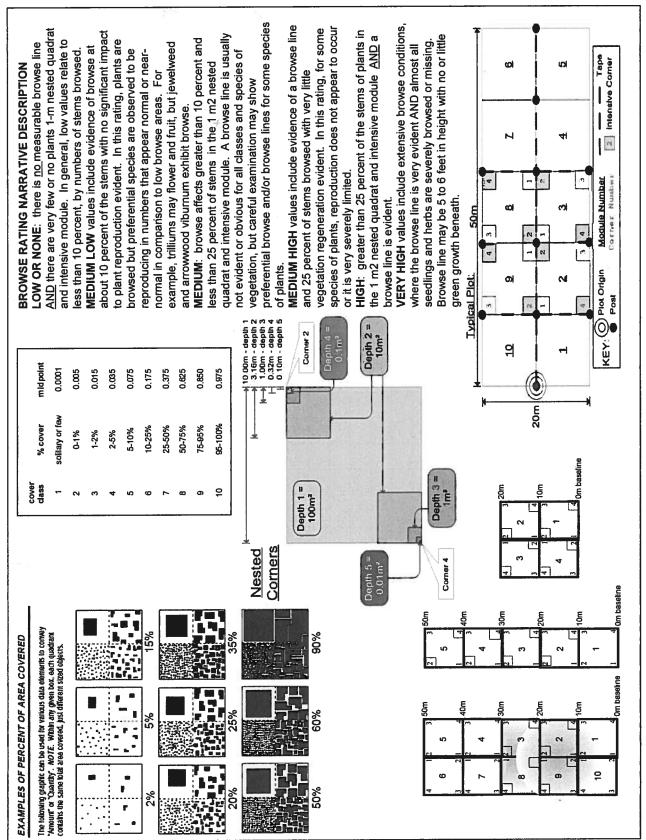
seedling

2bCM PCAP Species Cover Data Sheet Back Page\_ver 1.3.ppt

No so かがなっ Strata - Cov. entire plot Cleveland Metroparks CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Total modules: Project Label: yverous spp Epipactis heltbonine ther IMADITEMS CALLHARITYME J. 0111 W - 344 5 1911 10. describe amount of browse per species over Br = Browse Level. Use cover classes to Sacchanno Species entire plot (Seedling ဂ %unveg. ground (bare soil) Intensive modules: 4 %unvegetated open water intensive module: Estimate for each %unveg. litter (bare litter) AM 154 Project name: 01 M5 2013 Voucher# %open water comer mod comer cov | depth cov | depth Plot configuration: 1×5 604 cov depth cov depth mod comer mod Plot no.: 1359 cov | depth corner 9 V80 depth ā comer mod comer οgν cov depth dagin W Plot area (ha): 0.05 ş ş depth depth cov | depth mod comer mod ABO depth 5 N 4 9 900 depth depth 2 D ş COV

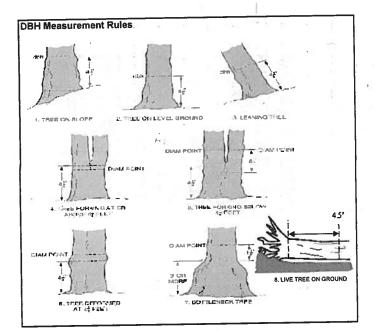
2aCM PCAP Species Cover Data sheet Page 1 of x\_ver 3.xls last revised 5/29/2012 ceh

Natural Resource Management FORM NR/2010-02a



2bCM PCAP Species Cover Data Sheet Back Page\_ver 1.3.ppt

او 2 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet mod # Stay O Ma ROSA MULTEFLORA Carpinus Groliniana Suprished and suprished Salandon deed Acel Woon figxinus permsylvanica ROSAMULTERORA reading ambiing Laipin & Caloliniana Fraxinus Sp. LIGKING SCHIXBLY Ribes sp. Ostrya virginiana Carpinus casoliniana Quescus the Calba Ostiva visainiana Explain subsample (additional room on back): anescus subca POSA MULTERIORA Francis Cornus sp. Standing dead Jumus americana dead Project Label: voucher# No.:: 6 6 D browsed # stems 0-1.4m or super % sub sample clumps Project Name: 01452013 . 0 shrub size class (cm) woody stems >1.4m 0-<u><1</u> 1-<2.5 2.5-6 8 \* , ° × 0 Plot No.: 1359 00 5-<10 9 10 - <15 . 15 - <20 6 20 - <25 Page: 25 - <30 30 - <35 9 으 (Cleveland Metroparks 35 - <40 ö >40 (record each tree) -Sembre 3 New Increase 16-8



### Woody Stem Deer Browse

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

Record using the tally system from 1 to













## ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered.
- 4. >50% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
- 5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



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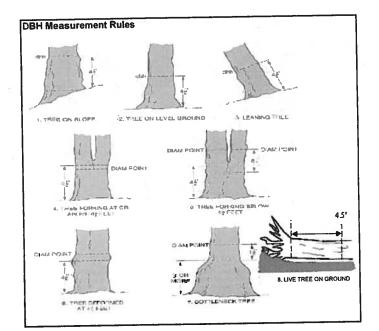
D

# 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.

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Cratagus son POSA MULTERIORA Carya Cordiformis Parthenocissis quinquest Frakinus so. aveccus alba Standing dead COLUNS SON françola ulnus Ulmus americana Acer (ubcum Toxico dendon radicions Parshenocissus poingeto in Ulmus americana Acer sauchorum Standing dead ROSA MULTERIORA Explain subsample (additional room on back): Pubus pennsylvanious MOKINS SP. Acer cubrum Fraxinos 500 Yrangula alnus Tilia americana Ilmus awericana Project Label: PCAP voucher# 00 区 browsed sample clumps # stems 0-1.4m or super % sub Project Name: 01/45 2013 H shrub #) 00 0 size class (cm) woody stems >1.4m 2 0 1-<2.5 0 0 9 2.5-<5 × ... 0 Plot No .: 1359 5-<10 0 10 - <15 06 15 - <20 20 - <25 Page: 25 - <30 30 - <35 | 35 - <40 잌 Gleveland Retroparks 6 >40 (record each tree) =



### **Woody Stem Deer Browse**

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C

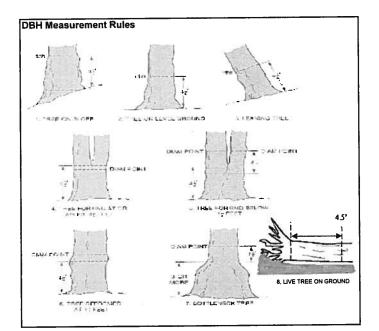
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7 mod S CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Explain subsample (additional room on back): Carya cordiformis Viburnum dentatur Project Label: PCAP voucher# 0-1.4m or super browsed sample # stems • ø • % sub Project Name: 01 MS 2013 shrub clumps size class (cm) woody stems >1.4m <u>^</u> 1-<2.5 2.5-<5 Plot No.: 1359 5-<10 10 - <15 | 15 - <20 20 - <25 Page: 25 - <30 30 - <35 으 © Gleveland Metroparks 35 - <40 ö >40 (record each tree) =



## **Woody Stem Deer Browse**

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Record using the tally system from 1 to

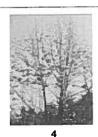
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Tier 1: Early detectio	n/ Rapid response		19	P	resenc	e	GI	20	
			NE	SE	SW	-		3	Decemb
Microstegium vimineum	Japanese stiltgrass								Presenc
Ranunculus ficaria	Lesser Celandine		1	+	_		<del>                                     </del>		X: yes
Cynanchum louiseae (vine	) Black Swallow-wort		T				+		-{
Butomus umbellatus (wetland	d) Flowering Rush		_	1	+		7		-
Heracleum mantegazzianum	Giant Hogweed		1	+-	+	+-			_
Tier 2: Assess				# 0	f Plan	te			
			NE	SE	sw		comm	ients	
Acer platanoides	Norway Maple		1112	JL	344	1400			# of Plan
Ailanthus altissima	Tree of Heaven		<del>                                     </del>	+-	+	+-	<del> </del>		1: 1-10
Lonicera japonica (vine)			-	+-	+-				2: 11-50
	Purple Loosestrife		-	+-	+-	+-	<del> </del>		3: 51-10
	) Bishop's Goutweed		<del> </del>	+-	+-	+-	-		4: 101-1,
Celastrus orbiculatus (vine)			-	+-	+-	+-			5: >1,00
Torilis sp.	Hedgeparsley		-	-	+	+	-		4
Conium maculatum	Poison Hemlock		-	-	+-	+	<u> </u>		1
Rhamnus cathartica		L. )		-	+,-	+.	<del> </del>		4
Berberis thunbergii		nrub)		-	+	+	ļ		
Alnus glutinosa	European Alder	าrub)		-	+-	+			_
Dipsacus laciniatus	Cut-leaf Teasel			├		-			
laeagnus umbellata			_	_	-	-			
onicera maackii		rub)	3	2	_				]
uonymus fortunei		rub)		<u> </u>					7
	Wintercreeper			<u> </u>					1
Tier 3: Presence i	s or interest				Plant:	S	comme	ents	
Convallaria majalis (G-cover)			NE	SE	SW	NW			# of Plant:
	Lily of the Valley								1: 1-10
(0 00001)	Crown Vetch								2: 11-50.
leutherococcus pentaphyllus		rub)							3: 51-100
achysandra terminalis (G-cover)	Japanese Pachysandra								4: 101-1,0
hiladelphus coronarius		rub)							5: >1,000
ulmonaria officinalis (G-cover)	Lungwort								2,000
ubus phoenicolasius	Wineberry								
is pseudacorus (wetland)	Yellow Flag Iris			_					
rnithogalum umbellatum	Star of Bethlehem								
iburnum opulus var. opulus	European Cranberry (shr	ub)	1	1					
burnum plicatum	Doublefile Viburnum (shr	ub)							ķ.
Tier 4: Widespread a	nd abundant			Pres	ence		comme	nts	
		N	IE	SE	sw	NW	W U1 - 2		# of Plants
liaria petiolata	Garlic Mustard		1	4					
gustrum vulgare	Common Privet (shru	ıb)							
morrowii, L. tatarica	Bush Honeysuckles (shru								2: 11-50.
nalaris arundinacea	Reed Canarygrass		_						3: 51-100
ragmites australis (wetland)	Phragmites		$\neg$	_					4: 101-1,00
	Japanese Knotweed		-+	$\neg$					5: >1,000
	Glossy Buckthorn (shru	b)	<del>4</del>	5	5	3	· · · · · · · · · · · · · · · · · · ·		
1	Multiflora Rose (shru			12	2	3			
1	Cattails (wetland)	<del>"</del>	4	<b>3</b> 5	σ	-2-			
	Canada thistle	$\dashv$	-	5		$\rightarrow$			
	Common Teasel	-		3			-		
	Dame's Rocket	-	-+	$\rightarrow$					
	raine a NOCKEL	- 1	- 1	- 1	- 1	- 1			

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

4bCM PCAP Invasive species datasheet.xls last revised 6/11/2012 ceh

**Natural Resoures** 

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Natural Resources Management FORM 2010-04a

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CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet iD. 15 6 22 2 20 17 ដ 25 24 23 19 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) travalus son LASS SO MYSTERY raxinus so. Fraxinus so Maximus so. Frakin us se rapides 20 traxinus so. Carinos 50. RECEIPTS SO Project Label: PCAP Project Name: O(MS 2013 24,5 يھ 10,9 12.0 10,4 15,7 6x X 15,4 (CE) DBH BB @ **O**L Ash condition S لو \*Dead condition # Exit Epi holes pr O 0 B 0 0 0 INTENSIVE MODULES ONLY TREES ≥ 10CM ONLY
Plot No.: 1359 Date: 735-13 0 B 0 0 0 Woodpecker holes 0 0 O 0 0 9 0 Baseline \*\*\* Change intensive module numbers when necessary Map all ash trees ≥10cm in each module using Tree ID number 0 6 ~ Page: 1 of 2 8 ω 9[2] 8

Project Label: PCAP	PCAP	P	oject Name:	Project Name: O[M53013	Project Label: PCAP Project Name: O[M53017]
STANDING BIOMASS (required for emergent wetlands), collected in 0. Im clip plots (32x32 cm) from corners 1 and 3 in each intensive module. Required for VIBI-E score calculation. C1—check when collected	uired for emergen from comers 1 and score calculation.	t wetlan 3 in each C?=check	ds): collected i intensive when		
Module #	C?	Corner Corner	Corner		(FII = excellent, g Fit and Confidence
					Hydrogeomorphic class (WETLANDS ONL)
					DEPRESSION
	3				□ IMPOUNDMENT □ Beaver □ Human

Plot No.:

( Observed and Medical States Page: 1 of 1

CLASSIFICATION		
(FIT = excellent, g Fit and Confidence		
Hydroseomorphic class (WETLANDS ONLY):		
a DEPRESSION	F	Conf=
□ IMPOUNDMENT □ Beaver □ Human	F	Conf=
□ RIVERINE □ Headwater □ Mainstem □ Channel	<b>P</b>	Conf-
□ SLOPE (ground water hydrology or on a physical slop)	<u> </u>	Conf=
o FRINGING o Reservoir o Natural Lake	Fig.	Conf=
a COASTAL (specify subclass)	7	Conf=
☐ BOG (strongly, moderately, weekly ombrotrophic)	Fit=	Conf-
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	NL'S	
□ FOREST □ swamp forest □ bog forest □ forest seep		Conf
D EMERGENT D marsh o wet meadow of open bog	1	Conf
□ SHKUB □ shrub swamp □ tall sh. bog □ tall sh. fen	Fit=	Conf=

ASSIFICATION		
= excellent, g Fit and Confidence		
rogeomorphic class (WETLANDS ONLY):		
EPRESSION	Ŧ	Conf=
APOUNDMENT   Beaver   Human	F	Conf=
IVERINE - Headwater - Mainstern - Channel	7	Conf
OPE (ground water hydrology or on a physical slop)	₹ 	Conf=
UNGING o Reservoir o Natural Lake	7	Conf-
OASTAL (specify subclass)	7	Conf=
OG (strongly, moderately, weekly ombrotrophic)	Fit=	Conf-
o EPA VIBI Plant Community Class (WETLANDS ONLY):	CKTIN	
NREST □ swamp forest □ bog forest □ forest seep MERGENT □ mansh □ wet meadow □ open bog		Conf
IRUB a shrub swamp a tall sh bog a tall sh fen	Fit=	Conf=
		The second secon

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

+180 degrees

angle from recorders eye to eye of person

+225 degrees

WS

+135 degrees

+270 degrees

away. standing ~10 m

+315 degrees

+911 degrees

+45 degrees At aspect

K

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

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

SLOPE			microhab.		
_					1
7	13	<b>1</b> &	× -	Module	CROWN COV readings per m corresonding st
17	18	رو رو	ع م	z	CROWN COVER (DENSIOMETER). Make 4 readings per module facing N. S. E. W. Place dot count in corresonding space. (4 dots per grid square)
نن	9	7	19	s	METER): M S, E, W. Pla r grid square
81	23	9	کام	e	lake 4 ce dot count e)
15	17	Ī	と 〇	¥	<u> </u>

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

depth 3

depth 2

depth t

3.16x3.16m

10x10m depth 1

10x10m

10x10m depth I

10×10m depth 1

10x10m depth 1

10x10m

(count)

Q O

O

DAR

0

P

0

(count)

aplands (Tip-Ups)

(count) lxlm tussocks

hummocks

depressions no. macro.

(2-12 cm) c.w.d

(12-40cm)

>40 cm

interspers

c.w.d

c.w.d

microhab,

c.w.d. - count for pieces with minimum 1m length

no. of

no of

feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality feature is present in the wetland in very small amounts or if more common, of low quality MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Stope 1 = slight elevational grade across module (hill)

Slope 2 = falls on slope ~20°

Slope 3 = maximum steepness that can be safely sampled -45°

feature is absent or functionally absent from the wetland

SaCM PCAP Plant Cover\_Earth Surface Data sheet Page 1\_ver 3.xls last revised 5/29/2012 ceh

NOTE: tussock and hummocks are counted in BOTH nested quadrat comers but counts are aggregated.

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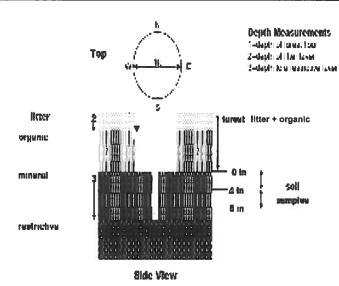
### **COVER BY STRATA**

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

\*\*Can also include seedlings of shrubs, i.e. all shrubs <0.5m

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



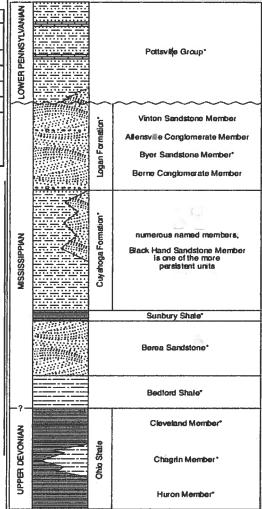


FIGURE 3-20.—Generalized section of Upper Devoman, Missesippian, and Lower Pennsylvanian formations in northeastern Ohio Asteriaks indicate units that are fossilifetous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale but the thicknesses indicated are proportional. The term "Waverty' is used in the older literature to refer to Missassippian rocks in Ohio Some geologists use the European term "Carbomiferous," which encompasses the Missassippian 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 (1976) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: 01/15 2013

Plot No.: 1359

Cicretand Metroparks

Page: 1 of 1

SOIL PIT DESCRIPTION: Excavate 20 cm plug wih shovel. Describe using Munsell chart,

visual exam, texture, and odor

Soil pit module # 3 (one per entire plot)

5 CM 20 cm matrix color 2,5 43 matrix color d.574 texture. texture\* oxid roots hydr. cond. \*\*\* redox features\*\* oxid roots redox features\*\* mottle mottle rue color ttle color I S M D (z z z z

refer to texture classes on reverse side

hydro. cond.\*\*\*

I S M

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

Notes: include evidence of earthwarms (warms, astings, middens) "indusidated S=saturated M=moist D=dry

of mesons lostings

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

Soil Series/Type: Dr F - Brichsile Soil Collection ModuldHorizon (A. B. C) Depth to rest. Layer: 20-40 in Soil Series Source: Ohio Soil Survey Parent Material: Kesidown weathered from Shale 2,3,8,9 composited Excessively dr. andform type: Drainage ways Web Soil Survey Informa RAINAGE\* Somewhat excessively Silt bam 76.

 Impermeable surface 8/2/3

Well drained

Moderately well dr.

Very poorly dr.

Somewhat poorly dr.

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

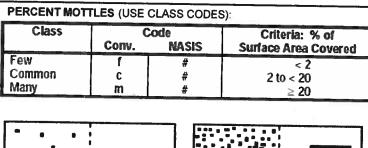
0,6 S (V) organic depth 2.0 1 litter+ depth (cm) 2.0 2 litter 0 water depth o G 6.0 (E) 2027 770.0 COLL depth sat soil (cm)

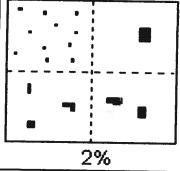
**** <5 cm in diameter	*** >5 cm in diameter	**Boulder = > 10 in	* Gravel-Cobble = 1/16-10*	Bedrock	Boulder**	Gravel-Cobble*	Mineral Soil	Histosol	(Sum = 100%)	Underlying Earth Surface*	EARTH SURFACE & GROUND COVER
neter	ctcr	)		o	Q	2%	98%	0	percent		E & GROUN
Other	Read/Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm. + Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	D COVER
0	8/	1/8	G	17,	C	20%	نو	Ś	percent		
	CL9-27	\						877			

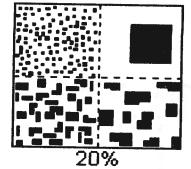
COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	ex:3, 8, 13
Height Range (m)	Total Cover (%)
>5	38%
0.5.5	28%
<b>その</b> 5	13%
٠)	
•	1
* rooted and floating or slightly emersed	sed
** submersed, most plant mass below surface	w surface
SEE BACK OF PAGE FOR "TYPICAL"STRATA	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.
	Height Range (m)  7 5  6 5 5  7 5  7 5  7 5  7 6  7 7 7  PAGE FOR "TYPICA'S. STRATA CAN VA

1									
	o Deer	o Gravel	□ Bootleg unsanctioned	□ Hiking sanctioned	o Bridle	All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:
	5%						%Cover	ach	,

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







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

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

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

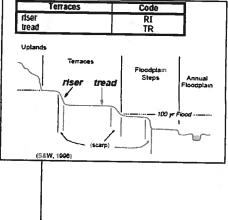
NASIS

(PJS, 1990; adapted from Ruhe, 1975)

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

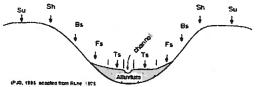
	head slope nose slope slde slope base slope	HS NS SS	HS NS SS BS	
		Head slope	Aprel /	
_		Nose slope		
	Alluvar			

PDP



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

Position	Code
summit	SU
shoulder	SH
backslope	BS
footslope toeslope	FS
toestope	TS
_ Sh	
Su Ji	



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

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

	(ng ti			FOR	M B-1: BUFFER SAMF	LE!	PLO	TS (I	Front)	Reviewed by (in				
Site ID: PCAP	Λ	15						DAT	re: 🔘 '-	7125120	1 (	3		
	·				FIII in bubble	(s) if	plot	(s) co	ould not	be sampled and fla	g			T
Location:  • AA Center ON	o s		E	01		O Plo			Plot 3					Щ
					Buffer Natural C				E Absort: No	tree canony				
ill in bubbles for all that apply: Can Strata Section: Fill in appropriate co	opy Ty ver cla	/pe: D iss bul	= De bbie f	ciduous; or each	E = Evergreen. Leaf Type: B = Broad strata type for each plot. 0 = Absent;	lieat; Ν I = Spε	= Nee 1/se(<1	0%); 2=	:Moderate(10	-40%); 3 = Heavy (40-75%);	4 = Ven	y Heav	y (>7	5%)
Buffer Canopy Type:	()		ent:	$\overline{a}$	Buffer Canopy Type: (5)	0	Abse		Buffe	Canopy Type: (b)	<u> </u>	Abse	nt:	의
Plot 1 Leaf Type:	$\overline{\odot}$			Flag	Plot 2 Leaf Type: 0	0		Fla	g Plot	3 Leaf Type: ①	$\Theta$	.T.		iag
	010	1	<u> </u>		Big Trees (>0.3m DBH)	<u> </u>	) (C		Big T	rees (>0.3m DBH)	-	<u> </u>		
mall Trees (<0.3m DBH)	0	<b>3</b> (	তা		Small Trees (<0.3m DBH)	<u> </u>	O(C)			rees (<0.3m DBH)	-	0 0	-	
Voody Shrubs, Saplings (0.5m-5m HIGH)	0	0	0		Woody Shrubs, Saplings (0.5m-5m HIGH)	<u> </u>	0			Shrubs, Saplings (0.5m-5m HIGH)	<del>- + :</del>	<u> </u>	-	
	0	<u> </u>	0		Woody Shrubs, Saplings (<0.5m HIGH)	<b>0</b>	<u> </u>			Shrubs, Saplings (<0.5m HiGH)	$\overline{0}$	_	_	
Herbs, Forbs and Grasses O	0	<b>(</b>	0		Herbs, Forbs and Grasses (1)	0	3 C	)	H	erbs, Forbs and Grasses O	-		<u></u>	
Bare ground ( )	0	0	0		Bare ground ① ①	0	<u> </u>			Bare ground ① ①		_	의_	
Litter, duff ① ①	<b>(4)</b>	0	0		Litter, duff 💿 🛈	0	) (G	)		Litter, duff 0 0	<u> </u>	_	<u> </u>	
Rock 🔘 🔾	0	<u>o</u> l	0		Rock ① ①	0	<u> </u>	<u> </u>		Rock ① ①	-	_	의_	
Water 🕲 🔾	0	<u>o</u> l	0		Water 🗿 🛈	0 (	<u> </u>	<u> </u>		Water ① ①		_	<u> </u>	-
Submerged ( )	<u>a</u>	<u></u>	0			$\sim$ 1. $^{\circ}$	$\smile$ $\mid$ $\setminus$	)		Submerged O O	$\sim$ $\perp$	$\sim$	0	
Stressor Presence/Ab	senc	e - C	onfi	m that	a filled data bubble indicates pre	sence	and	an unfi	lled bubble	indicates absence by filli	ng this	bubb	le. C	)
Residential and Urba	_				Hydrology Stress					Agricultural & Ru	ral St	resso	ors	
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3 F	iag Fili bu	ibble if present - Plot	1	-		Fiag
Road - gravel	0	0	0		Ditches, Channelization	0	0	0	Pastu	re/Hay		_	잌	
Road - two lane	0	0	0		Dike/Dam/Road/RR Bed	0	0	0	Range					
Road - four lane	0	0	0		Water Level Control Structure	0		이	Row C	Props  V Field (RECENT-RESTING	0	_	의	
Parking Lot/Pavement	0	0	0		Excavation, Dredging	의	0	0	ROW CR	OP FIELD)  V Field (OLD - GRASS,		_	읭	
Golf Course	0	0	0		Fill/Spoil Banks	의	0	0	SHRUB	S, TREES)	0	_	허	
Lawn/Park	0	0	0		Freshly Deposited Sediment (UNVEGETATED)	0	의	9	Nurse	ery	0	_	히	
Suburban Residential	0	0	0		Soil Loss/Root Exposure	0	의	의	Dairy		0		<u></u>	
Urban/Multifamily	0	0	0		Wall/Riprap	0	의		Orcha	ned Animal Feeding	0	-	0	
Landfill	0	0	0		Inlets, Outlets Point Source/Pipe	0	0	9		Residential	0	$\overline{}$	히	
Dumping	0	0	0	_	(EFFLUENT OR STORMWATER) Impervious surface input	0	0		Grave		0	_	히	
Trash	0	0	0		(SHEETFLOW)	0	0	9	Irriga		0	0	0	
Other:	0	0	0		Other:	10	0	0		r:	Ö	Ö	ö	
Other:	0	0	0		Other:	0	0	0			1 0			
Industrial Developm	ent	Stres	5801	rs					getation S			2	3	Flag
Fili bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Piot	1	2	-	iag Fili	bubble if present - Plot		-	0	Flag
Oil Drilling	0	0	0		Forest Clear Cut	0	0	0	_	cide Use	0	0	_	-
Gas Wells	0	0	0		Forest Selective Cut	0	0	0	Mowi	ng/Shrub Cutting	0	0	0	_
Mine (surface)	0	0	0		Tree Plantation	0	0	0	Trails	Compaction	0		0	_
Mine (underground)	0	0	0		Tree Canopy Herbivory (INSECT)	•	0	0	(ANIM	AL OR HUMAN)	0	0	0	-
Military	0	0	0		Shrub Layer Browsed (WILD OR DOMESTIC)	0	0	0		ad vehicle damage	0	0	0	-
Other:	0	+	+-	_	Highly Grazed Grasses (OVERALL <3" HIGH)	0	0	0		erosion (FROM WIND, WATER /ERUSE)	10	0	0	_
	0	$\rightarrow$	_	_	Recently Burned Forest	0	0	0	Other	:	0	0	0	_
Other:	C	_	_	-	Recently Burned Grassland	0	0	0		:	0	0	0	
Other:	103511	remer	4	do II e	(BLACKENED)  Suspect measurement., F1,F2, etc.	c. = mis	sc. flag	as assig	ned by each	field crew. 24	2816	830	4	
Buffer Sample Plot			(E)	(piain a	il flags in comment section on the i	ack of	this fo	orm		HYSOLENE IN	i e i			
Dutter Jampie Flor		-1-1	,											

Water hyacinth OOOO Knotweed OOOO Multiflora Rose OOOOO Multiflora Rose OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Site ID:					ER SAMPLE PLOTS -					Douberned to	ry (initia	al):	
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 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 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 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 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 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 2 3 Flag Fill bubble if present - Plot 1 2 2 3 Flag Fill bubble if present - Plot 1 2 2 3 Flag Fill bubble if present - Plot 1 2 2 3 Flag Fill bubble if present - Plot 1 2 2 3 Flag Fill bubble if present - Plot 2 2 Flag Fill bubble if present - Plot 2 2 Flag Fill bubble if present - Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the coation of the plot coordinates by filling in the appropriate bubble.  Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer goox, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be under placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.  Location of coordinates (choose one):  Flag Dacimal Degrees; NAD83														
Eurasian Watermiffoil O O O Purple Loosestrife O O O Johnson Grass O O O O Water hyacinth O O O Manager Hyacinthy Himilater Hyacinthy O O O Manager Hyacinthy O O O O O O O O O O O O O O O O O O O	Fill bubble if present - Pio	1	1					T	T			bie		
Water hyacinth    O   O   O   Knotweed   O   O   Knotweed   O   O   Knotweed   O   O   O   Knotweed   O   O   O   O   O   O   O   O   O	Eurasian Watermilfoil	+-	+-	-	riug			-	+	Fiag		-		3
Yellow Floating Heart O O O Japanese Knotweed O O O Multiflora Rose O O O O Multiflora Rose O O O O O O O O O O O O O O O O O O O	Water hyacinth		+	_	<del></del>			-	_					0
Glant Salvinia  O O O Perennial Pepperweed O O O Common Bucklhorn O O O Glant Reed O O O Himalayan Blackberry O O O O Himalayan Blackberry O O O O O O O O O O O O O O O O O O O	Yellow Floating Heart	_	+	-				_	1			101111111111		
Garlic Mustard  O O O Giant Reed  O O O Himalayan Blackberry  O O O O O O O O O O O O O O O O O O O	Giant SalvInia	_	_	-			-	-	-					-
Coison Hemlock  O O O Cheatgrass O O O O Tamarisk O O O O Start Minute Weed O O O O Reed Canary Grass O O O O O Other: O O O O O O O Other: O O O O O O O O O O O O O O O O O O O	Garlic Mustard		-	-			_	_						_
Wile-A-Minute Weed O O O Reed Canary Grass O O O O Other: O O O O O O OTHER: O O O O O OTHER: O O O O O O OTHER: O O O O O O OTHER: O O O O O O O OTHER: O O O O O O OTHER: O OTHER OTHER O O O O O O OTHER: O O O O O O OTHER: O OTHER OTHER O O O O O O OTHER: O OTHER OTHER O O O O O O O OTHER: O OTHER OTHER O O O O O O O OTHER: O O O O O O O O O O OTHER: O OTHER OTHER O O O O O O O O O O O O OTHER: O O O O O O O O O O O O O O O O O O O	Poison Hemlock	-	_	_			_	-	$\vdash$				$\rightarrow$	$\rightarrow$
Canada Thistle  Code There:  Canada Thistle  Canada Thistle  Canada Thistle  Canada Thistle  Coher:  Canada Thistle  Coher:  Canada Thistle  Coher:  Canada Thistle  Coher:  C	Mile-A-Minute Weed		-	$\vdash$				_					_	$\rightarrow$
Canada Thistle  O O O D Leafy Spurge  O O O O Other: Other: O O O O Other: Other: O O O O O  Other: Other: O O O O O  Other: O O O O O  Other: Other: O O O O O  Other: Other: O O O O O  Other: O O O O O  Other: Other: O O O O O  Other: Other: O O O O O  Other: O O O O  Other: O O O O O  Other: Other State And S	Birdsfoot Trefoil			-								0	0	이
PLOT COORDINATES  rovide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the cation of the plot coordinates by filling in the appropriate bubble.  Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer go box, and describe where the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.  Location of coordinates (choose one):  Flag  AA CENTER O N3 O S3 O E3 O W3 O Nearest practicable location (flag and comment below)  Latitude North  Latitude North  Location Decimal Degrees; NAD83	Canada Thistle											0	0	이
PLOT COORDINATES  rovide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the cation of the plot coordinates by filling in the appropriate bubble.  Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer of sare centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.  Location of coordinates (choose one):  Flag  AA CENTER O N3 O S3 O E3 O W3 O Nearest practicable location (flag and comment below)  Latitude North 41 . 2 9 8 9 Longitude West 0 9 . 7 7 7 4 5  Use Decimal Degrees; NAD83			اص	9		Leary Spurge	0	0	0			0	0	0
rovide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the cation of the plot coordinates by filling in the appropriate bubble.  Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer of some centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.  Location of coordinates (choose one):  Flag  AA CENTER O N3 O S3 O E3 O W3 O Nearest practicable location (flag and comment below)  Latitude North 41 2 4 8 9 Longitude West 0 9 7 7 7 7 4 5 Use Decimal Degrees; NAD83		11									Other:	0	0	0
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	9.5			FOR	M B-1:									Reviewed by (I			- (	
Site ID: PCAP N	15	135	59								- (	DATE:	01	sampled and fla	٥,١	3		
Location:						Fill	in b	ubb	le(s)	if plo	ot(s)	) coul	d not be	sampled and fla	ıg —	*		
O AA Center ON	08	3	DE	0		OP				lot 2		O PI	ot 3		Sm			_4
Fill in bubbles for all that apply: Can Strata Section: Fill in appropriate co	opy T	ype: D ass bu	e De	ciduous for each		Buffer en. Leaf T or each piot		_ D-	adlaaf	NI - NI	alber	Leaf. At	osent: No tre derate(10-40	e canopy. %); 3 = Heavy (40-75%);	4 = Ve	ry Hea	ıvy (>	75%)
Buffer   Canopy Type:	0	Ab	sent	0	Buffer	Canopy	/ Тур	e: 🔞	0	Abs	sent:	0	Buffer	Canopy Type:	0	Abs	ent:	0
Plot 1 Leaf Type:	<u> </u>	1		Flag	Plot 2	Lea	f Typ	e: 🛭	0			Flag	Plot 3	Leaf Type:	<u> </u>	Ļ	F	Flag
Big Trees (>0.3m DBH)	0	0	0		Big Trees (	>0.3m DBH)	0	0	0	<b>a</b>	<u> </u>		Big Trees	(>0.3m DBH)		<del>-</del> +-	<u> </u>	
Small Trees (<0.3m DBH)	0	9	0		Small Trees (	<0.3m DBH)	0	0	0		<u> </u>		Small Trees	(<0.3m DBH)	0	<b>9</b> (	<u> </u>	
Woody Shrubs, Saplings (0.5m-5m HIGH)	0	0	0		Woody Shrub (0.5n	s, Saplings n-5m HIGH)	0		0	0 (	<b>3</b>			ubs, Saplings 5m-5m HIGH)			<u> </u>	
	Ō١	o l	0		Woody Shrub	s, Saplings 0.5m HIGH)	0		0	0 0	<u> </u>			ubs, Saplings <0.5m HIGH)	0	$\overline{\mathbb{O}}$	<u> </u>	
Herbs, Forbs and		٥l	Ŏ			Forbs and Grasses	0	1	0	0	ত্রা		Herbs	Grasses O	0	$\odot$	<u> </u>	
Bare ground 🚱 🕦	ठी	ŏ	Ö		Bar	e ground	0	0	<b>(7)</b>	0	তা		Ва	re ground	0	$\odot$	<u> </u>	
Litter, duff 0 0	ŏ	ŏ			L	itter, duff	0	Ō		<b>(</b>	<u> </u>			Litter, duff    O	0	$\overline{O}$		
Rock 🚱 🔾	<u></u>	<u></u>	0			Rock	<b>9</b>	Ō	0	-	<u></u>			Rock 🚱 🛈	0	0	<u> </u>	1
Water 🚱 🛈	0	0	Ö			Water	0	ō	0	<del>-</del> +	ŏ			Water 💮 🛈	0	0	0	
	<del>-</del>	$\frac{2}{2}$	-			ubmerged	1	0	0	$\frac{\partial}{\partial l}$	<del>ŏ</del> l			Submerged Vegetation	0	0	0	
Submerged Vegetation Stressor Presence/Abs	<u> </u>	0	<u>O</u>	m that		Vegetation		$\sim$	$1 \sim 1$		$\smile$ $_{\perp}$	ınfilled	bubble ind				ole. (	•
				III triat	a illed date	Hydroid						Trail in	TIPY ST	Agricultural & Ru				
Residential and Urba	in St			Fine	Fiii bubbi				1	2	3	Flag	Fili bubbl	le if present - Piot	1	2		Flag
Fill bubble if present - Piot		2	3	Fiag					0	0	0	Tiug	Pasture/H		0	0	o	
Road - gravel	0	0	0		Ditches, (		1		10	0	0		Range	iay ia	0	ot	ŏ	
Road - two lane	0		0		(IMPEDE FL		ol Str	uctur	1	0	0		Row Crop	os	Ö	ŏ	히	
Road - four lane	0	0	0		Excavation			actui	0	0	90	-	Fallow Fig	eld (RECENT-RESTING	0	ŏ	ö	
Parking Lot/Pavement	0	0	0		Fill/Spoil	- (	iiig		10	0	0			eld (OLD - GRASS,	Ö	o	0	
Golf Course	9	0	00		Freshly D		Sedi	ment		0	0		SHRUBS, TI Nursery	(EES)	o	o	0	
Lawn/Park	0	00			Soil Loss		osur	e	10	0	0		Dairy		0	0	0	
Suburban Residential	0	0	6		Wall/Ripr		_	_	0	ō	0		Orchard		0	0	o	
Urban/Multifamily	0	0	0		Inlets, Ou				0		0		Confined	Animal Feeding	0	0	O	
Landfill	0	0	0	-	Point Sou	urce/Pipe			ō	0	0		Rural Res	sidential	0	0	0	
Dumping Trash	6	0	0	-	Impervio	OR STORM	e inpi	ut	To	0	0		Gravel Pi	t	0	0	0	
Other:	0	0	0	<del>                                     </del>	Other:				0	0	0		Irrigation		0	0	0	
Other:	0	6	0		Other:				0	0	0		Other:		0	0	0	
Industrial Developm		_		e		THE STATE OF			-	-	tat/V	/egeta	tion Stre	ssors				
	_	T -	_	Flag	Fill bubb	ie if pres	ent -	Piot	_	2	3	Fiag		oble if present - Plot	1	2	3	Fiag
Fill bubble if present - Plot	0		3	Fiag	Forest Cle		GIIC -	7100	0	0	0	1.1.5	Herbicide		0	0	0	
Oil Drilling	+	_	0	-	Forest Se		11		0	0	0			Shrub Cutting	0	0	0	
Gas Wells	0	0	+				ut		0	0	0	-	Trails	*	0	0	0	
Mine (surface)	0	0	0	-	Tree Plan		vory	_		0	0	<del> </del>	Soil Com	paction	0	O	0	
Mine (underground)	10	0	0		(INSECT) Shrub Lay			_	0	-	+	-	(ANIMAL OF		0	0	0	
Military	0	0	0		(WILD OR D	OMESTIC)			0	0	0	├		ehicle damage on (FROM WIND, WATER,		0	0	-
Other:	0	0	0		(OVERALL <	3" HIGH)			0	0	0	-	OR OVERU	SE)	0		$\vdash$	+
Other:	0		0	1	Canopy				0	0	0				0	0	0	-
Other:	0		0		Recently (BLACKENE	(D)			0	0	0	<u></u>	_		0	0	0	
Fiag codes: K = No m	easur	emen	t mad	ie, U =	Suspect me	asurement	L, F1	F2, et	c. = mi back o	sc. flag f this f	gs ass	signed (	by each field	1 crew. 242	816	8304	4 (	
Buffer Sample Plots	s 0	5/27/	201	1	ago iii oon													

Site ID:	7								D ALIEN SPECIES (Back) Reviewed to	y (Initia	al):	(3)	
	-	-41	//-( <u>)</u>	)15	) 4	DA	5	) ,	7/25/2013		To a		
@ Confirm	a fill	ed da	ata bi	ubbie i	ndicates presence and an un	filled	bubb	le ind	dicates absence by filling in this bub	bie			
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	Fiag
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	•	
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0	Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0	Himalayan Blackberry	ō	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0	Tamarisk	0	0	o	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0	Other:	0	0	ð	
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	_	
									Other:	- 100		의	
					PLOT COORE		TEO		Other,	0	0	이	
O AA CENTER		9 S3		) E3	9973	Lon	gitud	le W	est 081.7777	9.			
		-			Use Decimal Degr	ees;	NAD	83					
Flag Comments													
1 very larg	e	مااو		f ro	cks five meters	la	0 5-	<del>-</del> -	4 RPN3				
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Buffer Sample Poin	ts - T	arge	ted A	lien Sp	ecies 05/27/2011				7966	6235	548	j.	

		Art age					FOR	M B-1:	BUFFE	ER S	SAN	IPL	E F	PLO	TS	(Fre	ont)			t by (in				
Site	D: F	CA	PN	15	13	5	9								D	ATE:	07	125	1 6	2 (	1	3		_
Locati		-86							Fill	in b	ubb	le(s)	if	plot	(s)	coul	d not be	sampled	ane	d fla	g —			
OAAC	Center	0	N	05	3	DE	0		OP			OF	- 10	100	_	O PI	ot 3		V.C.	5.0				- 10
Fill in bubble	es for all th	at app	ly: Car	nopy T	ype: D	= De	ciduous for each		<b>Buffer</b> en. Leaf T or each plot							eaf. At 2=Mod	osent: No tree derate(10-40°	e canopy. %); 3 = Heavy	(40-7	75%); 4	= Ver	y Hea	vy (>7	′5%)
	Canopy			_	<del></del>	sent:	$\overline{\Delta}$	Buffer	Canopy					Abse		0	Buffer	Canopy T			<u> </u>	Abse		0
Buffer Plot 1		f Тур		_=	-		Flag	Plot 2	Lea	f Typ	e: (1		_	16	$\overline{}$	lag	Plot 3	Leaf T				7/		lag
Big Trees (	>0.3m DBH)	0	0	0		<u> </u>		Big Trees (	>0.3m DBH)		<b>(</b>	0	0		_				_	_	_	_	<u>୭ </u> ୭	
mall Trees (	<0.3m DBH)	0	0		0	$\underline{\odot}$		Small Trees			0	<b>Ø</b>	(O	-					<del>-</del> +	-+	<del>-</del> -	= -	5	-
Woody Shrub (0.5n	s, Saplings 1-5m HIGH)	0	9	0	0	<u> </u>			n-5m HIGH)		1	0	0		$\overline{}$	_	(0.	5m-5m HIGH)	=+		$\overline{}$	-	5	
Woody Shrub	s, Saplings 0.5m HIGH)	0		0	0	$\odot$			0.5m HIGH)	+	0		0	- 1 -	-	_	(	<0.5m HIGH)	-	_	_	_	<b>D</b>	-
	Forbs and Grasses			0	0	0		Herbs,	Forbs and Grasses		0	0	0	+ -	-			Grasses	<del></del>	<del>-</del> +	-	-	<del>-</del> +	
Bare	e ground	0	<b>Ø</b>	0	0	0		Bar	e ground		0	0	C		-				-	9	_	-	의_	
Li	itter, duff	0	0	0		0		L	itter, duff	0	<b>@</b>	0	G	)(	2			Litter, duff			<del></del>	=  -	<u> 의</u>	
	Rock	<b>Ø</b>	0	0	0	0			Rock	0	0	0	(	)(	21			Rock	_		_	-	<u> </u>	
	Water	1	0	0	0	0			Water	0	0	0	0	) (c	<u> </u>				<b>Ø</b>	의	-	-	<u> </u>	$-\!\!\!\!-\!\!\!\!\!+$
	Submerged		0	0	0	0		l	Submerged Vegetation	Two	0	0	0	<i>-</i>   `	<u> </u>			V CGCtation 1		0	0[0		<u> </u>	
Stres	sor Pre	senc	e/Ab	send	ce - (	Confi	rm that	a filled dat	a bubble	indic	ates (	oreser	nce	and	an u	nfilled	bubble ind	licates abser	nce b	y fillir	g this	bubb	ile. €	9
	sidentia					- 35			Hydrole									Agricultu	ral 8	& Ru	ral St	ress	ors	
Fili bubb				1	2	3	Flag	Fili bubb	ie if pres	ent -	Piot	1	L	2	3	Flag	Fili bubb	ie if presen	t - Pi	ot	1	2	-	Fiag
Road - g				0	0	0		Ditches,				0		0	0		Pasture/F	łay			0	-	의	
Road - t		NI I		0	0	0		Dike/Dan	n/Road/R	R Be	d	C		0	0		Range				0	-	의	
Road - f	our lane			0	0	0			vei Contr	ol St	ructu	e C		0	0		Row Crop				이	의	의	
	Lot/Pave	ment		0	0	0		Excavati	on, Dredg	ing	veil!	C		0	0		ROW CROP F	eld (RECENT-F		NG	의	의	의	
Golf Co				0	0	0		Fill/Spoil		1		C	工	이	0		SHRUBS, T	eld (OLD - GR/ REES)	433,	_	의	의	의	
Lawn/Pa	ark		5,0	0	0	0		(UNVEGET			100	C	-	0	이		Nursery	Y III			의	의		
Suburba	an Reside	ential		0	0	0		Soil Loss	/Root Ex	posu	re	C	+	이	0		Dairy		_	_	읝	의	의	
Urban/N	Aultifamily	,		0	0	0		Wall/Rip	гар					이	0		Orchard		41	-		읫		
Landfill				0	0	0		Inlets, O				_	-	의	의			Animal Fee	eaing		0	씕	히	
Dumpin	g	7		0	0	0		/EECH JEN	urce/Pipe TORSTORI Jus surfac	MWAT	ER)		_	0	0						9	00	히	
Trash				0	0	0		(SHEETFL	ow)	e irip	ut	1	_	0	0		Gravel P		-	-	0	9	히	
Other:				0	0	0	1	Other:			_	- 9	_	0	0		Irrigation		_	-	0	0	히	
Other:					0	0		Other:			_	_  <		0	0					_		0		
Inc	dustrial	Deve	elopr	nent	Stre	sso	rs						Н	abit	at/V	egeta	ation Stre							T
Fiii bub	ble if pre	esent	- Pio	t 1	2	3	Flag	Fiii bubl	ie if pres	sent ·	- Pio	t 1		2	3	Flag	Fiii bu	bbie if pres	ent -	Piot	1	2	3	Flag
Oil Drill	ing			C	0	0		Forest C	ear Cut			C	2	0	0	_	Herbicide	e Use	_		0	0	0	
Gas W	ells			C	0	0		Forest S	elective C	ut			2	0	0	_	Mowing/	Shrub Cuttin	g		0	0	0	-
Mine (s	urface)			10	0	0		Tree Pla	ntation	11111		(	2	0	0	L_	Trails				0	0	0	-
Mine (u	ındergrou	ind)		10	0	0		Tree Car	opy Herb	oivory				0	0		Soil Com (ANIMAL O	R HUMAN)			0	0	0	+
Military				10				Shrub La	yer Brow		7	0	D	•	0			vehicle dama	40.71		0	0	0	
				1	-	1		Highly G	razed Gra	asses	\$	7	5	0	0			SION (FROM WI JSE)	IND, W	VATER,	0	0	•	+-
				1	_	-	1	Recently	Burned	ores	t	1	5	0	0		Other:	00-5-50			0	0	0	
	-			1	_	1	+	Recently	Burned (	Grass	sland	-	5	0	0		Other:				0	0	0	
Other:	Elan acc	los. V	= No	meas	reme	1	do II e	(BLACKEN	aguromar	nt., F	1,F2,	etc. = r	misc	c. flac	s as	signed	by each fiel	d crew.	() LE	242	816	830	4	
	Buffer					E)	colain 8	il flags in co	mment se	ction	on th	e back	of t	inis fo	orm	100		1 3 0						

						TER SAMPLE PLOTS					Reviewed 1	by (îniti	al):		
													Titl		
Fill bub	ble if present - Plot		2	3		indicates presence and an uni	_	T	le in	T		-			
	n Watermilfoil	0	+-	-	Fiag		-	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Fla
	nyacinth	0	0	0	-	Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
	Floating Heart	0	0	-		Knotweed	0	0	0		Kudzu	0	0	0	
Giant S		0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	9	1	0	
Garlic M	fustard	0	-	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
	Hemlock		0			Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
	Ainute Weed	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Birdsfoo		0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Canada		0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada	Inistie	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
					Tu A						Other:	0	0	0	
						PLOT COORD	INA	TES				II.J.			1
	CENTER O N3				. 2	2 nourost prac	Long	itude	e We		8.1. 7.7.9.2.	3.		Ĵ	
Flag	Comments	100 m	2001											(1)	
i					,								163		
	from nea	res	+	P	055	iff-unable to ible location	9	at	<u>Γυ  </u>	1 V	V3 point, do	ato F)	2 -	ta	ken
	Buffer Sample Poin	ts - Ta	erget	ed Al	ien Spe	ecies 05/27/2011					79666	235	48		

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			Hill		FOR	M B-1:	BUFFE	ER S	SAN	IPLE	PLO				Reviewed by (in				)
Site I	D: PCAPM	S	3	59								0	ATE:	0.7	25 20	1	3		
Location						exil number	Fill	in b	ubbl	le(s)	if plo	t(s)	coul	d not be	sampled and fla	g —			
OAAC		<b>0</b> S		E	0		OP				lot 2		O PI	ot 3					4
			_	-	-1-4		Buffer I						Leaf. At	sent: No tre	e canopy.				
Fill in bubble Strata Section	es for all that apply: Cano on: Fill in appropriate co	opy Ty ver cla	/pe: D iss bul	= De bble f	or each	strata type f	or odorr pro-				_		; 2=Mod				y Heav Abse		
Buffer	Canopy Type: 🚳	0	Abs	ent:	0	Buffer	Canopy				Abs	ent:	9	Buffer Plot 3	Canopy Type: (1)  Leaf Type: (1)	紛	Ausc		ag
Plot 1	Leaf Type: (i)	<u>(i)</u>		- 1	Flag	Plot 2	Lea	f Typ				$\overline{}$	Flag			<u> </u>	) (c		-g
Big Trees (>				의		Big Trees (	>0.3m DBH)			<b>(2)</b>		일				<u>ی ر</u>	-		$\dashv$
Small Trees (		_		의		Small Trees	`	-	$\odot$			위	-	Woody Shr	ubs, Saplings			-	$\neg$
(0.5m	Point Not 1/1	_	<del>-</del> +	-+		(0.5	n-5m HIGH)	<del>-</del>						Woody Shr	ubs, Saplings	-		-	$\neg$
(<0	J.GITT II G. 17		_	_		(<	0.5m HIGH)	-	=		-	-+				_			
Herbs, I	Grasses U	_	_			neros,	Grasses	-	_		-	-			Grasses O		_		$\dashv$
Bare	e ground 🗿 🥨		$\overline{}$			Bar	e ground	+=		-	<del>-</del>	-				_			$\dashv$
Woody Shrubs, Saplings (0.5m-5m HIGH)         ○		$\dashv$																	
Woody Shrubs, Saplings (ol.5m-5m HIGH)   O   O   O   O   O   O   O   O   O		$\dashv$																	
-	Water 💿 🐠	0	0	0				-	0	0	0	<u> </u>			<del></del>	<del>-</del> 1	<del></del>	_	$\dashv$
Wody sinding   10   10   10   10   10   10   10   1																			
Stres	sor Presence/Abs	senc	e - C	Confi	rm that	a filled dat	a bubble	indica	ites p	resen	ce and	an u	infilled	bubble ind	icates absence by filling	ig this	bubb	le. 🕝	_
	sidential and Urba				- 337		Hydrold								Agricultural & Ru	ral St	ress	ors	
11/1/25	ie if present - Piot	1	2	3	Flag	Fill bubb	ie If pres	ent -	Piot	1	2	3	Flag	Fiii bubb	ie if present - Piot	-	-+		Flag
Road - g		0	0	0			Channeliz			0	0	0		Pasture/H	lay	-	-	잌	
Road - tv		0	0	0		Dike/Dar	n/Road/RI	R Be	1	0	0	0		Range			-	의	
Road - fo	our lane	0	0	0			evel Contr	ol Str	uctur	e O	0	0		Row Cro		이	_	의	
Parking	Lot/Pavement	0	0	0		Excavati	on, Dredg	ing		0	0	0		ROW CROP F	eld (RECENT-RESTING IELD) eld (OLD - GRASS,		-		-
Golf Cou	urse	0	0	0		Fill/Spoil				0	0	0		SHRUBS. I		0		이	
Lawn/Pa	ark	0	0	0		Freshly I	Deposited ATED)	Sedi	ment	0	0	0		Nursery		의	_	의	
Suburba	n Residential	0	0	0		Soil Loss	s/Root Ex	posu	e	0	0	0	<u> </u>	Dairy		의		의	
Urban/M	Aultifamily	0	0	0		Wall/Rip	rap			0	0	0	<u> </u>	Orchard		읮	위	의	
Landfill		0	0	0		Inlets, O				0	_	0			Animal Feeding	의		쓹	
Dumping	9	0	0	0		(EFFLUEN	urce/Pipe T OR STOR	MWAT	ER)	C	_	0			sidential	9	_	0	
Trash		•	0	0		(SHEETFL	ous surfac ow)	e inp	ut	C	1	0	├	Gravel P		0	$\rightarrow$	0	
Other:		0	0	0		Other:		_	-	- C	-	0	├	Irrigation		00	0	허	
Other:		0	0	0		Other:		_		<u>- c</u>		0				U	01	9	
Ind	dustrial Developm	ent	Stres	ssor	rs						Habi	tat/\	/eget	ation Stre					
Fili bubl	bie if present - Piot	1	2	3	Flag	Fiii bubl	ole if pres	sent -	Pio	t 1	2	3	Flag	Fiii bu	bbie if present - Plot		2		Flag
Oil Drilli	ing	0	0	0		Forest C	lear Cut			0	0	0		Herbicide		0	0	0	
Gas We	ells	0	0	0		Forest S	elective C	ut		C	0	0		Mowing/	Shrub Cutting	0	0	0	1
Mine (s	surface)	10	0	0		Tree Pla	ntation			C	0	0		Trails		0	0	0	1
	inderground)	0	0	0	-	Tree Car	nopy Herb	lvory		C	0	0		Soil Con (ANIMAL O	R HUMAN)	0	0	0	
Military		0	-	0		Shrub La	yer Brows			•	0	0			vehicle damage	0	0	0	
-		0	-	lo	-		razed Gra			C	0	0		A CONTRACTOR OF THE PARTY OF TH	SION (FROM WIND, WATER, USE)	0	0	0	
		0	-	+	_	Recently	Burned F	ores	t	10	0	0		Other:		0	0	0	
		10	+	1	-		Burned (	Grass	land	10	+-	10	-	Other:		0	0	0	
Other:	Fiag codes: K = No m	102011	remen		do II	BLACKEN Suspect m	eacuremen	nt., F1	,F2, e	tc. = m	isc. fla	gs as		by each fiel	d crew. 242	816	830	4 (	
	Buffer Sample Plot			EX	colain a	ii flags in co	mment se	ction	on the	back	of this	form			Thirt dent buy	dyl		- Call	

Site ID:	P	CA	p /	15 13 59	DA	ſE:	0 -	<u> </u>	Reviewed b				
© Confirm	a fili	ed da	ata b	ubble Indicates presence and an un						hie			
Fill bubble if present - Plot	1	2	3	Flag Fill bubble if present - Plot		2	3	Fiag	Fill bubble if present - Plot	1	12	3	-
Eurasian Watermilfoil	0	0	0	Purple Loosestrife	0	0	0		Johnson Grass	├-	2	$\vdash$	FI
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	o		Himalayan Blackberry		0	0	-
Poison Hemlock	0	0	0	Cheatgrass	0	0	0		Tamarisk	0	-	-	_
Mile-A-Minute Weed	0	0	0	Reed Canary Grass	0	0	0	-	Other:	0	0		
Birdsfoot Trefoil	0	0	0	Common Reed	0	0	0		Other:	0	의	의	-
Canada Thistle	0	0	0	Leafy Spurge	0	0	0	-	Other:	9	의	의	_
									Other:		의	의	
	1			PLOT COORE	MALA	750			Suier.	0	0	이	
f Buffer Plot 3 can not be acce Plots are centered on the Buffe lag box, and describe where the	essed er Tra ne co enter (ch	l, take insection ordin	e the	e coordinates at the nearest practicable and the coordinates will indicate the local were taken and why in the comment s as possible or at the center of the last and the center of the ce	locat ition o ection acces:	ion A f the belo sible	LONG transo w. Th Buffer	THE Tect. Fill e coord	FRANSECT. This is important by	acaus	e all	Buffo	r in th
f Buffer Plot 3 can not be accelled to the Buffer Plots are centered on the Buffer lag box, and describe where the other placed as close to the celled Location of coordinates O AA CENTER O N3	essector Transce conter	I, take insection ordin of Plo	e the	e coordinates at the nearest practicable and the coordinates will indicate the local were taken and why in the comment s as possible or at the center of the last and the center of the ce	location of ection accession ticable	ion A f the belo sible	LONG transi w. Th Buffer cation	G THE 1 ect. Fill e coord r Plot.	TRANSECT. This is important be in the "nearest practicable locat inates of the nearest practicable and comment below)	acaus	e all	Buffe e, fill an b	r n th
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f Buffer Plot 3 can not be accelled to the Buffer Plots are centered on the Buffer lag box, and describe where the other placed as close to the celled Location of coordinates O AA CENTER O N3  Latitude No.	er Transe co	I, take insection ordin of Plo	e the	e coordinates at the nearest practicable and the coordinates will indicate the local were taken and why in the comment sas possible or at the center of the last and the center of the	locat ition o ection acces ticabl	ion A f the belo sible	LONG transi w. Th Buffer cation	G THE 1 ect. Fill e coord r Plot.	RANSECT. This is important be in the "nearest practicable locat inates of the nearest practicable and comment below)	ecaus ion" to loca	e all	Buffe e, fill an b	r in th



	The				FOF	RM B-1:	BUFF	ER	SAI	MPL	E PI	LOT	S (Fi	ont)	Re	wlewed by	(Initial)	:	_ (	
Site ID: PCA	PI	45	135	59									DATE	07	125	,I a	0	13		
Location:			L VAI				Fill in bubble(s) if plot(s) could not be sampled and flag →													
O AA Center C	N	0	S	<b>D</b> E	0	W O Plot 1 O Plot 2 O Plot 3														
Fill in bubbles for all that apport	ply: Ca priate c	nopy cover o	Type: :lass b	D = D	eciduou for eacl	Buffer Natural Cover Strata;  E = Evergreen. Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy.  Strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very									ery He	avy (:	>75%)			
Buffer Canopy Typ	oe: 🌘	) (	) At	sen	t: O	Buffer	Canop	Canopy Type:				sent	: O	Buffer	Canopy Type:		) @	Ab	sent:	0
Plot 1 Leaf Typ	e: 🌘	<u> </u>			Flag	Plot 2	Leaf Type: @		) (		_	Flag	Plot 3	Leaf T	ype: 🀠	) (			Flag	
Big Trees (>0.3m DBH)	0	0		0		Big Trees (	>0.3m DBH)	<b>@</b>	0	0	0	0		Big Trees	(>0.3m DBH)	<b>Q</b>	0	<u> </u>	<u> </u>	
Small Trees (<0.3m DBH)	0		0	0		Small Trees (	<0.3m DBH		<b>(1)</b>	0	0	<u>O</u>		Small Trees (<0.3m DBH)			2	<b>(4)</b>	<u> </u>	
Woody Shrubs, Saplings (0.5m-5m HIGH)	n-5m HIGH)			Woody Shrubs, Saplings (0.5m-5m HIGH)			0	0	<b>(1)</b>		Woody Shrubs, Saplings (0.5m-5m HIGH)			<b>@</b>	0	0				
Woody Shrubs, Saplings (<0.5m HIGH)	0		0	0		<del>                                      </del>		0	0	0		Woody Shrubs, Saplings (<0.5m HIGH)				0	<u> </u>			
Herbs, Forbs and Grasses	<b>(4)</b>	0	0	0		Herbs,	Forbs and Grasses		0	0	0	<b>(</b>		Herbs, Forbs and Grasses				0	0	
Bare ground ①	0		0	0		Bare	ground	$\overline{}$	<b>(1)</b>	0	0	0		Bai	re ground (	$\overline{\mathbb{O}}$	0		0	
Litter, duff	0	8	0	0		Li	tter, duff	0	0	0	0	0		L	itter, duff (	<u> </u>		0	0	
Rock 🕖	0	0	0	0			Rock		0	0	0	0			Rock	<b>1</b> 0	0	0	0	
Water 🕝	Ō	0	0	0			Water	+	0	0	0	<u> </u>			Water		0	0	0	
Submerged 🔊	0	0	0	$\tilde{\odot}$			ubmerged		0	0	<u></u>	$\frac{\circ}{\circ}$			C L		0	0	Ō	
V Ogciation —	$\sim$		$\sim$	$\sim$	rm that		egetation bubble	1	$\sim$	_	ce an	d an	unfilled				ling th			0
Residential and				_		Hydrology Stressors						bubble indicates absence by filling this bubble.   Agricultural & Rural Stressors								
Fili bubble If present -	Piot	1	2	3	Flag	Flii bubbi	e if pres	ent -	Plot	1	2	3	Flag	Fili bubbic	e if present	- Piot	1	2	3	Flag
Road - gravel		0	0	0		Ditches, C	hanneliz	ation		0	0	0		Pasture/Ha	ay		0	0	0	
Road - two lane		0	0	0		Dike/Dam/	Road/RI			ō	0	0		Range		1977	0	0	0	
Road - four lane		0	0	0		Water Lev		ol Stru	ucture	1	0	0		Row Crops			0	0	0	
Parking Lot/Pavement		ō	0	0		Excavation, Dredging			O	0	0		Fallow Field (RECENT-RESTING ROW CROP FIELD)			0	0	o		
Golf Course		0	0	O		Fill/Spoil Banks			0	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)			0	0	0		
Lawn/Park		0	0	O		Freshly Deposited Sediment			0	0	0		Nursery			0	0	0		
Suburban Residential		0	0	0		(UNVEGETATED) Soil Loss/Root Exposure			0	0	0		Dairy			0	0	0		
Urban/Multifamily		0	0	0		Wall/Riprap			0	0	0		Orchard			0	0	0		
Landfill	TAR.	0	0	0		Inlets, Outlets			0	0	0		Confined Animal Feeding			0	0	0		
Dumping		0	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER)				0	0	0		Rural Residential				0	0	
Trash		0	0	0		Impervious surface input (SHEETFLOW)				0	0	0		Gravel Pit		7	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	
Industrial Devel	opm	ent S	Stres	son	8	Habitat/Vegetation Stressors														
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			
Oil Drilling		0	0	0		Forest Clear Cut		0	0	0		Herbicide Use			0	0	0			
Gas Wells		0	0	0		Forest Selective Cut		0	0	0		Mowing/Sh	rub Cutting		0	0	0			
Mine (surface)		0	0	0		Tree Plantation		0	0	0		Trails			0	0	0	1		
Mine (underground)		0	0	0		Tree Canopy Herbivory		0	0	0		Soil Compaction (ANIMAL OR HUMAN)			0	0	0			
Military		0	0	0		(INSECT) Shrub Layer Browsed		0	9	0		Offroad vehicle damage			0	0	0			
		6	0	0		(WILD OR DOMESTIC) Highly Grazed Grasses		0	0	0		Soil erosion (FROM WIND, WATER,				0	0			
Other:		-				(OVERALL <3" HIGH) Recently Burned Forest		_	0	0	-	OR OVERUSE) Other:			0	0	0			
Other:	-	0	0	0		Canopy Recently B	urned Gr	assla	nd	0	+	-	-					-		
Other:	N	0	0	0		Recently Burned Grassland (BLACKENED)  suspect measurement., F1,F2, etc.		0	0	0	lane d h	Other:	row		0	0	0			
Buffer Sample				Exp	lain all f	lags in comn	nent secti	on on	the b	ack of	this fo	om om	ngnea a	y eavii iidiu C	311.	242	816	8304		
Daniel Janipie			, , ,																-	_

	_	_	-		<del></del>	-				15/2013			_	
	a fille	ed da	ta bu	ibble inc	dicates presence and an unf	illed	bubb	le inc	dicates	absence by filling in this bub	ble			
Fill bubble if present - Plot	1	2	3	Flag F	Fill bubble if present - Plot	1	2	3	Flag	FIII bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0	F	Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0	۲	Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0	J	Japanese Knotweed	0	0	0		Multiflora Rose	0	0		
Giant Salvinia	0	0	0	F	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	C	Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0	F	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	L	_eafy Spurge	0	0	0		Other:	0	0	0	
										Other:	0	0	0	
					PLOT COORE	DINA	TES					12.5		
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