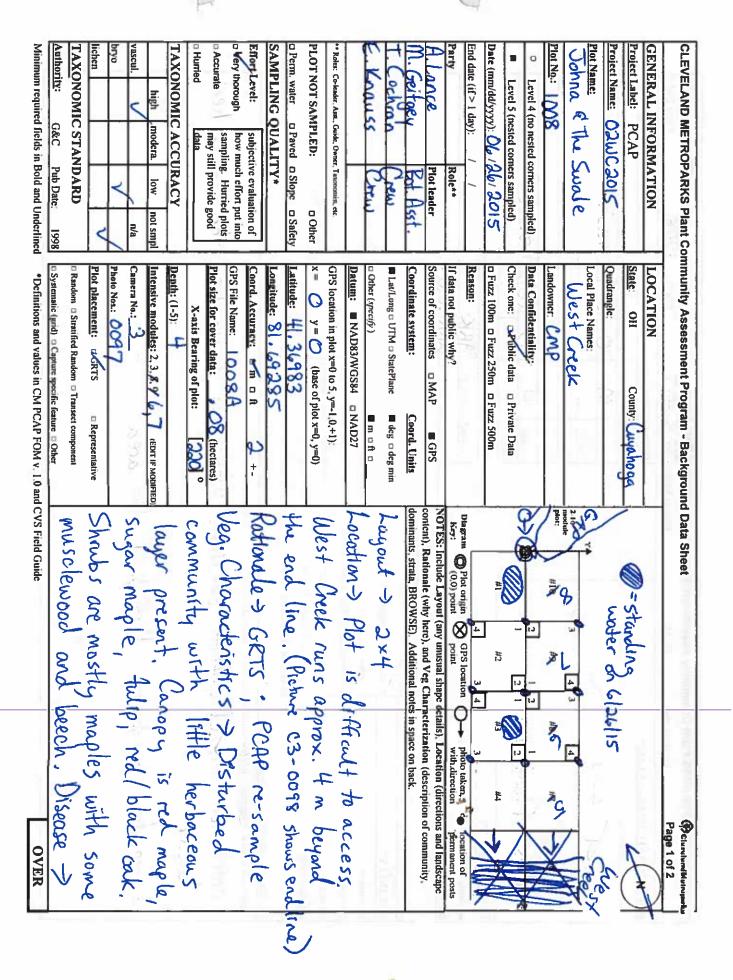
No.	FROPARKS Plant Community Asse		~	
Project Label:	PCAP PCAP	'	lot No	
			1	Comment required if item answer is NO
Parking/Access outsi	de of Park Boundaries:	<u> </u>	N	If yes, write details in Comments section below
Field journals comple	eted	Y	N	FF-02
Site sketch made on	1:3000 map?	(\mathbf{Y})	N	:
Check cover page	X-axis Bearing of plot recorded	Y	N	
	GPS coords. Recorded		N	
	North direction recorded		N	
	Photographs taken?	(空)	N	
	Relocated Pins Mapped	(A)	N	
Plot No., Date agreen	nent on all pages?	N Y	N	
Header data complete	ed all pages?		N	
Cover classes recorde	ed in all Intensive modules		N	
Browse Level By Spe	cies		N	
Woody stem quality of	control check		N	Check every line and cross check with the Tree Cover Sheet
Invasive plant quality	control check	Y	N	I IN /A
Ash trees mapped		Y	N	INIA
Completed Forest Pes	st/Pathogen Datasheet	(Y)	N	
Cover by Strata? (con	nfirm cover type)	(Y)	N	f
	d with matching plot #.	Y	N	IN/A
Cross check 2010 inf	ormation	(X)	N	Highlight any changes from 2010 information
Vouchers labeled on	datasheet with initials and number		N	
Vouchers labeled on	collection bag	(X)	N	14.
Pink flags removed		(Y)	N	49
Data sheet QA before	leaving site?	(V)	N	- 31992
Common equipment		T P	N	
Data sheets scanned?				Enter date to left 6/26 EK
Final data sheets scar				Enter date to left
Buffer Widths measu		Y	N	
Web Soil Survey		Y	N	
Voucher Location	Refrigerator	(Y)	N	
# vouchers collected)	Press (#)	10		Enter number to left
. 0 /	Drier	Y .	N	
ACL	Identified	Y	N	
200	Mounted	Y	N	
1	Thrown away	Y	N	
-	Trutty away		14	

RTS point verifi	cation: Is plot sampleable?
Yes	Original GRTS point is sampleable
□ No	Original GRTS point lands in a non-sampleable area (fill in category below)
	Point falls in a water (i.e. river, lake)
	Managed mowed area (i.e. golf course, picnic area, right-of-way)
	Paved area (i.e. parkinglot, road)
	□ Unsafe to sample (i.e. steep slope)
	D Other

Additional Comments:

Plot can be accessed by parking at Grant Eagle on Broadurew
then walking West Creek to the plot. You could also ask for
workingle PCAP Data Quality Control 2015.xis last revised 6/10/2015 ceh
Natural Resources Mangement Form NR/2011
West access to the plot from a private citizen.



CLEVELAND METROPARKS Plant Community	Assessment Program	ckground Data Sheet		(Clumlund Mulmparks
Project Label:	PCAP	Project Name: Oal JC 2015	Plot No.: 008	Page 2 of 2
MODIFIED NATURESERVE CLASS*		DISTURBANCES		
CODE (on separate form):	Fit= Conf=	type* severity**	yrs ago % of plot description	
107		Human	0 100% trash	
Ž-	710.	Natural		
COMMUNITY NAME:	51.12	Fire		
		Cut		
Mesic Floodplain		Animal	0 1007 ₀ bawse	
HOMOGENEITY		**L=low, ML=med low,	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	ry high
	Compositional trend across the plot	Current Land Use:	PARK	
Conspicuous inclusions	mosaic	Former Land Use:	MIKNOWN	
	HYDROLOGIC REGIME*			
	D Upland (seldom flooded)	o Intermittently flooded		
SALINITY*	e Intermittently/seasonally saturated	a Semipermanently flooded		
o Saltwater	(seldom flooded)	n Permanently flooded		
n Brackish	□ Permanently/Semipermanent. saturated	□ Tidal/Seiche flooded daily		7.
o Fresh	(dry <1/yr, seldom flooded)	a Tidal/Seiche flooded monthly		
odpland (n/a)	□ Occasionally Rooded (<1/yr)	□ Tidal/Seiche flooded irregular		
	□ Temporarily flooded	(e.g. wind, storms)		
(by default unless plot is a wetland)		n Unknown		
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	ss of plot to the stand, successional status, m	aturity, etc.)		
noted on several	beech Shrubs.	Whitearass do	Whitearass dominates the sparse herb	was herb
Course.	1	ر ا		
N 10 00 0	0.000		7	
Large deer population	throughout	the area.	10) ()	.2
	*			

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet Total modules: Cleveland Metroparks Project Label: trata - Cov. entire plot S H (F)(A)Br Crotagous sp. majourchier sp. Smilax intundifolia Heer sp mans secotion Quercus their satisharum TO SMUIXED Species Arisaema triphyllum describe amount of browse per species over arthenacissus quinquetal priodendron tulipitera litis sp. eersia victinica Br = Browse Level. Use cover classes to orex Swani ornus sp. 1055 50 arry sp. entire plot ဂ Intensive modules: %unveg. ground (bare so? intensive module: Estimate for each %unvegetated open water %unveg. Itter (bare litter Project name: ORWC2015 Voucher # %open wate D cov depth Plot configuration: ğ ş 8 Plot no.: 1008 かな COV ğ Q. depth mod Plot area (ha): 68 ğ ş Page of 2 2 6 88 ğ

becheris Haunbergii

rechites

hlethcitolia

orpinus coraliniana

2

alycena striata

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Shamous tranquia

Smooth

granditalia

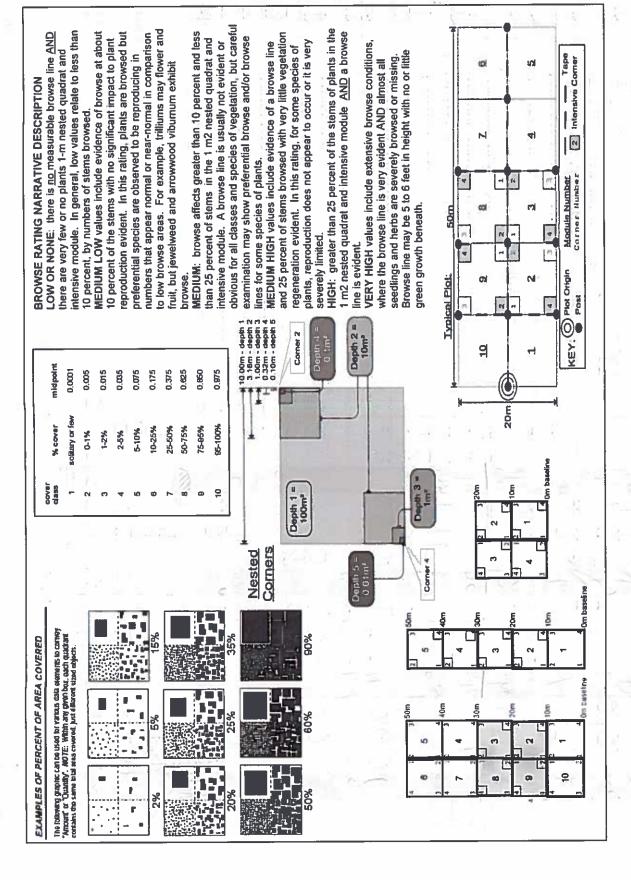
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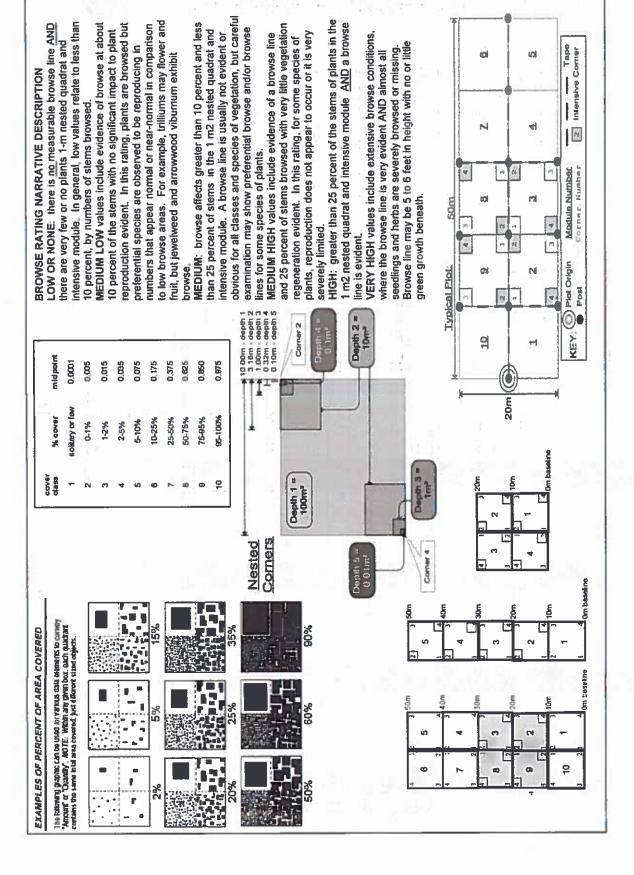
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Project Label: Total modules:	Project Label: PCAP Project name: OQUICAOIS Total modules: 8 Intensive modules: H Plot configu	=	Project name: OQWC2OIS Intensive modules: H Plot con	48	F 2	Plot	S C	Plot configuration:	Plo	Plot no.:		1008	lon	L.	-	호	area	a (ha):	, b	Plot area (ha): . 08	PO	
					сотнег	mod	comer	mod	comer	mod			mod c	mer		comer	mod	COM	er mod	8	COULT	DOE:
©		т	Estimate for each	>		2	1	5					6	+-	6	2	F		f		-	70
4	Br = Browse Level. Use cover classes to	=	intensive module	→ deg	_ §	depth	ą	- g	ş	d di			depth	VGD/	dep ±	ş	- de p	84	depth		8	depa
Metroparks	entire plot	e	%unvegetated open water											_				\Box				
		*	%unveg. ground (bare soil)	-	1					f												
S H (F)(A) Br	Species	n	Voucher#	ĝ -	ğ	d de	ğ	de .	ğ	3	8	-	-	ğ	dep	ğ	ġ .	8		g g		dept
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the second	Bubus sp.							1.3							18				-		ar III.	-
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2 1	Plea puntla			1	1					†			+	1	1			2	+			24
	Panicum so.			21	3								-				9					-
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LEVI	ELAND MI	ETROPARKS PI	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet	SSM	ent Program Spe	cies	Co	er Dat	a S	3	Page	0
roje	Project Label:		PCAP		Project name:				٦	Piot no.:		- 1
ပြင်	% COVER				Prensence of tree mod		pou	mod mo	pour	α		
rata -	Strata - Cov. entire plot	olot			species (X)					2		
⊢	ā		Species	υ	Voucher #		7		1			
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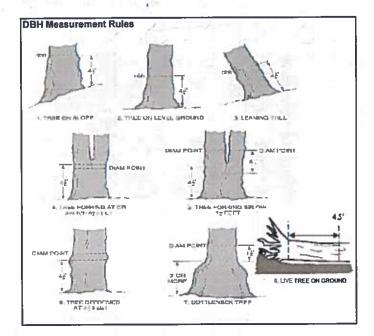
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1	F	4	4	7	Ş	00	N.	3	3	X	1	92	X	84	25	X	2	~	4	4	4	7	mod #		CLE	
STANDING DEAD	Rynus Sp.	Quercus rubra.	Acer Sucharum	Foars grandifilia-	prunis sentina	Acer pubrum	Liniodendron bullpittes	STANDING DEAD	Arer Sachanin	Crataugus sp.	Britain Chuldwigh	Quercus rubra	STANDING DEAD	Listadendian tulipitera	Picer Tubrum	Acer Saccharum	Fraxious So.	Liotodondron bulipiters	STANDING DEAD	Prints Senting	Acer rubrum	Acer Saccharum	species	Explain subsample (additional room on back)	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Label: PCAP Project Name: 02 WC20 Plot No.:	
											Professional Professional							U					voucher#	ack):	PCAP	
					_					_										ه			# stems 0-1.4m browsed	ŀ	Assessn	
																							% sub or super s sample cl		Project N	
	17							i.															# size da shrub 1 clumps 0-<1		ram Natur	
•	2.700							•							The	•			•			•	size class (cm) woody stems >1.4m 1		al Woody	
				. •					3												7	:	ody stems >	19	Stem Da	
	423	1		•			7	800.77	•				•		3	:			2,000			•	ö -		Plot No.: 100 8	
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	•													-						-			7 8 -<25 25-<30		Page:	3/6
	2000					•									•			•					9 30 - <35		٩.	
		•					۰																10 5 35 - <40		W.	
		47.8,59.3												63.5	ÇANN.						4.04.7		11 >40 (record each tree)		Gleveland Metroparks	

3aCM PCAP Natural Woody Stem Data Sheet ver 2.0.xls last revised 5/29/2012 jim

Acer rubrum

Natural Resources Management FORM NR/2010-03a



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.
- Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered.
- 4. >50% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead,
- 5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



В

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D

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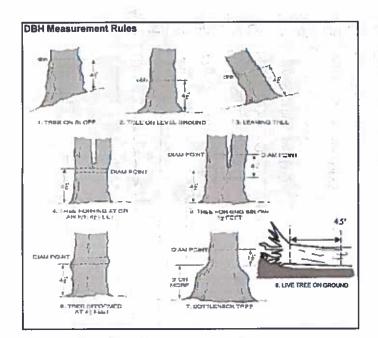
ASH CANOPY BREAKUP CONDITION (for dead trees):

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

- 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.

66/26/2015

*measured as one stem 6 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 10 Acr Sacharum 2 O Ther Southarum Fagus grandifilia Acer rubrum Quercus yelunthing Crotoenus so. STANDING DEAD Parthenocissus quinque to lia Batherocissus quinque bia Carpinus Carolinia Acer syarbanum Explain subsample (additional room on back): Acer rubrum Acer Tubram No Becuse Fraxinus Sp. Acer Saccharum Acur rubrum rogus grandifolia Quercus rubra NO BROWSE NO BROWSE OBSTRUE Liniodendron Hylipithera Chickens Actourne Quenes - more Project Label: S£7-3 PCAP voucher# prowsed T 0-1.4m stems W or super % sub Project Name: 02 W. 2015 clumps size class (cm) woody stems > 1.4m 7 . 1-<2.5 • . • 0 2.5-<5 . X Plot No.: 1008 5-<10 6 • 10 - <15 | 15 - <20 20-<25 Page 25 - < 30 30 - <35 of Ciewland Metroparks 35 - <40 # 52.0 >40 (record each tree) 72.9 4.83 42.



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.
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В

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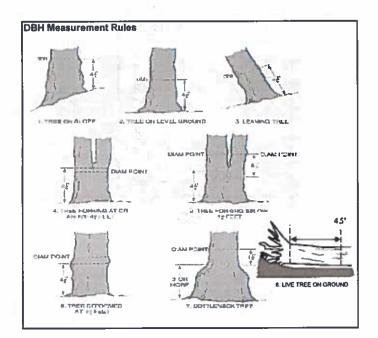
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(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below)

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

0000 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP Project Name: 2000 Polytopara Natural Woody Stem Data Sheet Berberis thunbergy Berbens thunberg Explain subsample (additional room on back): STANDING DEAD voucher# # steme browsed 0-1.4m or super % sub clumps ٠ size class (cm) woody stems >1.4m <u>0 ^1</u> 1-<2.5 2.5-<5 . Plot No.: 1008 5-<10 10-<15 15 - <20 20 - <25 Page: 3 25 - < 30 30 - <35 잋 @ Geneland Metroparks 35 - <40 5 >40 (record each tree) =



Woody Stem Deer Browse

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

Record using the tally system from 1 to













ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
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- 5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



В

C

D

E

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

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NITENSIVE MODULES ONLY TREES ≥ 10CM ONLY & PALPOL 10CH ONLY PALPOL 10CH O Page: 1 of 2

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet

Project Label: PCAP

Project Name: 02 WC 2015

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Farly	detection	Rapid response			Pre	sence		GPS	
Her T. Chily	40140000			NE	SE	sw	NW		Presence
Microstegium vimineum		Japanese stiltgrass		***					X: yes
Ranunculus ficaria		Lesser Celandine		\vdash					
Cynanchum Iouiseae	(vine)	Black Swallow-wort							
Butomus umbellatus	_ ,	Flowering Rush							
Heracleum mantegazzianui		Giant Hogweed		-					-
	2: Assess a			1000	# of	Plants	Y-1	comments	
		3 1100000		NE	SE	sw	NW		# of Plant
Acer platanoides		Norway Maple			V	1		·	1: 1-10
Ailanthus altissima		Tree of Heaven		 	17-				2: 11-50.
Lonicera japonica	(vine)	Japanese Honeysuckle			++-	-	-	<u> </u>	3: 51-100
Lythrum salicaria		Purple Loosestrife	-						4: 101-1,0
Aegopodium podagraria		Bishop's Goutweed			+	┼	 		5: >1,00
Celastrus orbiculatus	(vine)	Asian Bittersweet		_	+	1			3. 72,00
	(vine)	Hedgeparsley				1			
Torilis sp. Conium maculatum		Poison Hemlock		1		1	 		174
		Common Buckthorn	(cheuh)	1	1	 	 	.	$\overline{}$
Rhamnus cathartica			(shrub) (shrub)	1	-	,	 , -	<u> </u>	_
Berberis thunbergii		Japanese Barberry European Alder	(รถเนย)	1	╂╾┸╴	1	 		\dashv
Alnus glutinosa		Cut-leaf Teasel			+	+	 		\dashv
Dipsacus laciniatus			(alaasida)		+-	-			
Elaeagnus umbellata		Autumn Olive	(shrub)			+			\dashv
Lonicera maackii		Amur Honeysuckle	(shrub)		+	1			\dashv
Euonymus fortunei		Wintercreeper			44 -6	Diameter			
lier s:	Presence Is	of Interest		NE	SE SE	Plants 5W		comments	# of Plant
c	16	1.06.4 3.4-11		NE	3E	2W	NW	1000	1: 1-10
Convallaria majalis		Lily of the Valley Crown Vetch		-	1	-			2: 11-50.
Coronilla varia			(alamata)		-	+	712		3: 51-100
Eleutherococcus pentaphyl		Five-leaf Aralia	(shrub)	-		+-			
Pachysandra terminalis	(G-cover)	Japanese Pachysandra		-	-	+			4: 101-1,0
Philadelphus coronarius	10 1	Mock Orange	(shrub)	-	-	-			5: >1,00
Pulmonaria officinalis	(G-cover)			\vdash	-	+			—
Rubus phoenicolasius	4 .1 11	Wineberry		⊢	-	-			\dashv
Iris pseudacorus	(wetland)	The second secon		⊢	-	₩			\dashv
Ornithogalum umbellatum		Star of Bethlehem		\vdash	+	+-			\dashv
Viburnum opulus var. opul	US	European Cranberry	(shrub)	 	-	+			
Viburnum plicatum		Doublefile Viburnum	(shrub)						
lier 4: W	idespread :	and abundant		NIE		sence	l anad	comments	W - 6 D1 - 4
Aller de le de Aller		In-11-22		NE	SE	SW	NW		# of Plant
Alliaria petiolata		Garlic Mustard	1.1. 1.3	\vdash	+-	 		-	1: 1-10
Ligustrum vulgare		Common Privet	(shrub)	-	-	+-	\vdash		2: 11-50.
L. morrowii, L. tatarica		Bush Honeysuckles	(shrub)	-	-	1-			3: 51-100
Phalaris arundinacea		Reed Canarygrass		-	-	-			4: 101-1,0
	(wetland)	Phragmites		<u> </u>	-	₩			5: >1,00
Polygonum cuspidatum		Japanese Knotweed		-	1				_
Frangula alnus		Glossy Buckthorn	(shrub)	11	!	₩			
Rosa multiflora		Multiflora Rose	(shrub)						_
Typha angustifolia, T. x.glai	иса	Cattails (wetland)			<u> </u>				_
Cirsium arvense		Canada thistle			1				_
Dipsacus fullonum		Common Teasel							
Hesperis matronalis	(2)	Dame's Rocket							
Vinca minor	(G-cover)	Periwinkle							
rilica milioi	10 00101)	. 4							

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

CLEV		mod #	-1	2	ω	4	5	6	7	8	9	10	
CLEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheel Project Name: 0246 2015 Plot No.: 1		species				Tagus grandifolis	5 Fagus grandifolin	8 Fagus grandifolia	Ú Ú				
t Communit		voucher#											
nity Assessme PCAP	#	shrub clumps											
nt Program Projec	size class (cm) woody stems > 1m	<u></u> -											
Forest t Name:	m) woody	2 1-<2.5					•						
ogram Forest Pest and Pathos Project Name: <u>02</u> WC 1015	stems >1	2 3 1-<2.5 2.5-<5				0 3	0	0 4					ĺ
10 Path	3	5~10				0							
ogens D		5 10 - <15											
ata Shee		5 6 10 - <15 15 - <20						li					
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Page:		9 30 - <35											
Clavel		10 35 - <40											
Glaveland Metroparks Of		7 8 9 10 11 20 - <25 25 - <30 30 - <35 35 - <40 >40 (record each tree)											
-		-	•										

* IF EVIDENCE OF PEST OR PATHOGEN RECORD TOTAL SPECIES POPULATION IN THE PLOT EVEN THE NOT INFECTED

Strata	# of sterr	Severity (H,M, or L)
Tree (size class 3 or above)	:1	7
Shrub (size class 2 or below including shrub	•	7

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

High = more than 50% of leaf/needle cover exhibiting symptoms Medium = Less than 50% of leaf/needle cover exhibiting symptoms Low = Only a few leaves or branches are exhibiting symptoms	Severity	
Medium = Less than 50% of leaf/needle cover exhibiting symptoms Low = Only a few leaves or branches are exhibiting symptoms	High = more than 50% of leaf/needle cover exhibiting symptoms	
Low = Only a few leaves or branches are exhibiting symptoms	Medium = Less than 50% of leaf/needle cover exhibiting symptoms	
	Low = Only a few leaves or branches are exhibiting symptoms	

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mod # CLEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheet 10 00 G Shrub Fagus grandifolia Foous grandifolia Strata Fadus grandifolia-Explain subsample (additional room on back): Herbacous Tree For Laws Transfell Project Label: 00% 855 Total Stem ? Total % voucher# PCAP or super sample % sub dumps shrub * Project Name: 02 WC 2015 Plot No.: 1008 size class (cm) woody stems >1m * Write None Present if no 7 -Beech (Fungus) -Hemlock (HWA) -Walnut (Thousand 1-<2.5 2.5-65 . 10 Ocignal Jachaet 5-<10 10 - <15 | 15 - <20 | 20 - <25 25 - <30 Page: 30 - <35 | 35 - <40 | 40 (record each tree (Cloveland Meta 5 =

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7 feature is present in moderate amounts, but not of Highest quality. 10 haiture is present in moderate amounts and of Highest quality. 10 haiture is present in moderate amounts and of Highest quality. 10 haiture is present in moderate amounts and of Highest quality. 11 to of no. of no. of no. of no. macro. 12 no. of no. macro. 12 no. of no. macro. 13 depth 3 depth 1 depth 1 depth 1 depth 1 depth 1 depth 1 SLOPE 14 no. of no. of no. of no. macro. 15 lim 3 localism lo

(A) Oleveland Metroparta

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+315 degrees	+270 degrees	+225 degrees	+180 degrees	+135 degrees	+90 degrees	+45 degrees	At aspect	
WW	₩	SW	sa	3E	п	Z.	z	
								LFI*
								TSI**
	anay	eye of person	recorders eye to	TSI measure	angles formed by local slopes. For	horizon. TSI is	LFI is angle of	

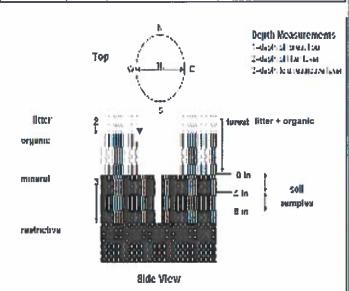
COVER BY STRATA

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.



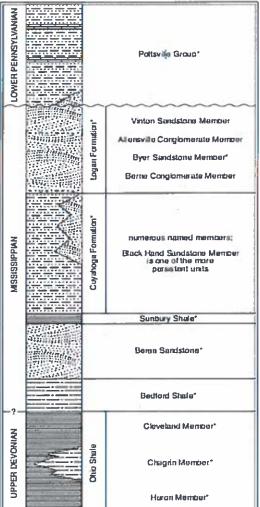


FIGURE 3-20.—Generalized section of Upper Devonian, Ministrpian, and Lower Pennsylvanian formations in northeastern Ohio Ascerisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. It as section is introduced to the chicknesses indicated are proparational. The term "Waverly" is used in the older literature in refer to Missistrypian rocks in Ozio, Some geologisti use the European term "Carbonierous," which encompasses the Missistrypian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Faraminon, but most units are local and ranner be traced over great distances. The Black Hand Member 19 a spectacular massive sandstone that is fairly widespread but discontinuous. See Hyde (1933), Hoover (1960), and Collins (1979) for introducing information on Mississippian rocks in Ohio, See figure 3-16 for explanation of rock types.

Page: 1 of 1

CLEVELAND METROPARKS Plant Community Assessment Program - Solls, Crown Cover, Standing Blomass Data Sheet 6a
Project label: PCAP Project Name: 1008

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)

20 cm g cm matrix color matrix color redax features** exid roots stoor bux xilixe. dox feetures** dro. cond *** dr. cond. *** mottle ottle color ittle color I S M D M D

refer to texture classes on reverse side

0.1 cm in center of intensive modules. If >30,5 cm, SOIL DEPTH MEASUREMENT: Measure to the neare

ecord as >30

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

votes: include evidence of earthworms (worms, istinge, middens) ndundated S-saturated M-moist D-dry

organic depth

2 litter

water depth (CIII)

depth sat soil (cm)

(m)

I liller+

denessen: toom MOBY WORMS mode worms MODE WORMS

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Saa

20

15/4/5/5/5

6aCM PCAP Soits_Crown cover_Landform_State

00/01/01/00

1.525/2.5/2.50 O

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Bernel By Con Heyes The Tale

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

EARTH SURFACE & GROUND COVER

Sunt - 100943

percent

(Each ≤ 100%) **Ground Cover**

inderlying Earth Surface*

Soil Series Source: Ohio Soil Survey o Well drained Excessively dr. Soil Collection Modul Herizon (A. B. C) impermeable surface Depth to rest. Layer: ioil Series/Type .3,8,9 composited Somewhat poorly dr. andform type: arent Material ob Soil Servey Informs RAINAGE* a Somewhat excessively I Moderately well dr. Very poorly dr.

-		The state of the s	
Histosol	1	Coarse Woody Debris***	7%
Mineral Soil	266	Fine Woody Debris****	32
Gravel-Cobble*	150	Litter	907,
Boulder**	,	Duff (Ferm. + Humus)	1
Bedrock	1	Bryophyte- Lichen	3
* Gravel-Cobble = 1/16-10	1/16-10*	Water	12
••Boulder => 10 m	5	Bare Soil	7.
•••>5 cm m diameter	eter	RoadTrail	1
returning or 27 as 8		2	1

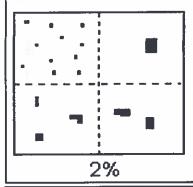
1/9/ Submersed, most plant SEE BACK OF PAGE FO DESCRIPTIONS. STRAT estimate using midpo COVER BY STRATA (Floating)* rooted and floating or si (Aquatic)* Shrub Strata Herb 귫 Height R

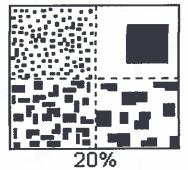
n Deer	o Gravel	3 Bootleg unsanctioned	 Hiking sanctioned 	3 Bridle	n All Purpose	Туре	record type and cover for each	TRAIL INFORMATION
)-66		WI		200	%Cover	Bach	fi.

OR TYPICAL"STRATA TA GAN VARY BY COVER TYPE.	ightly emersed			.5 13%	5 4	9	ange (m) Tota	oints of 5,ex:3, 8, 13
VER TYPE.				7	8%	390	otal Cover (%)	
		o < plot size	d 1-3 x plot size	10 x plot size	o 10-100 x plot size	a > 100 x plot size	a >600 x plot size	STAND SIZE



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





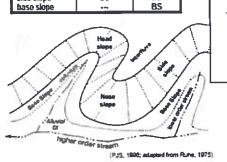
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but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

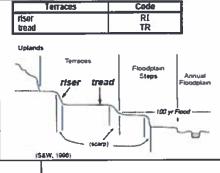
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microleatures 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,

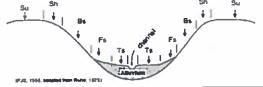
Hillis	Code							
	PDP	NASIS						
Interfluve	İF	IF						
head slope	HS	HS						
nose slope	NS	NS						
side slope	ss	SS						
base slope	•	BS						
base slope	•	BS						





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	FS
toeslope	TS



HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)

UPLAND: Not a wetland. Very rarely flooded.

INTERMITTENTLY/SEASONALLY SATURATED: Dry at least once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season.

PERMANENTLY/SEMIPERMANENTLY SATURATED. Dry less than once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier.

OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often characterizes flood-plain upper terraces.

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier.

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was developed for use in the arid West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's Intermittently Flooded modifier.

SEMIPERMANENTLY FLOODED (exposed <1/year): Surface water persists throughout the growing season in most years. Land surface is normally saturated when water level drops below soil surface. Includes Cowardin's Intermittently Exposed and Semipermanently Flooded modifiers.

PERMANENTLY FLOODED: Water covers the land surface at all times of the year in all years. Equivalent to Cowardin's "permanently flooded".

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

FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial): DATE: 0 7 / 31 / 20 1 5																		
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Plot 1 Leaf Type:	0			Flag	Plot 2	Lea	f Typ		$\frac{\cdot}{2}$	-	_	Flag	Plot 3	Leaf Type:	0		$\overline{-}$	Flag
	0	0	O		Big Trees (>	0,3m DBH)	-	0	0	-	9			(>0.3m DBH)	의	-	의	
Small Trees (<0.3m DBH)	9	0	0		Small Trees (0	0	0	-	0		Small Trees		0	의	의	
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Woody Shrubs, Saplings (<0.5m HIGH)	0	0	0			.5m HIGH)	0	0	0	0	0		(<	bs, Saptings :0.5m HIGH)	0	0	의	
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Rock 🗷 🔾	•	0	0			Rock	0	0	0	0	0			Rock O O	0	0	0	
Water 🕚 🔾	0	0	Ō			Water	0	Ō	0	0	Ō	-		Water ① ①	0	0	0	
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Fill bubble if present - Plot	Flag	Fill bubble			_	Tı	2	3	Flac				2	3	Flag			
	0	2	3 O	i leg	Ditches. C			101	0	0	0	, tag	Pasture/Ha		0	0	0	TITE!
Road - gravel Road - two lane	0	0	0		Dike/Dam/	Road/RF			0	0	0		Range		ŏ	0	ŏ	
Road - four lane	0	0	0		(IMPEDE FLO		ı Str	icture		0	Ö		Row Crops		0	0	0	
Parking Lot/Pavement	0	0	0	134.0	Excavation				0	0	0		Fallow Fiel	d (RECENT-RESTING	0	ö	ö	
Golf Course	0	0	0		Fill/Spoil B		-		ő	o	0			d (OLD - GRASS,	ŏ	Ö	o	
Lawn/Park	0	0	0		Freshly De	posited :	Sedin	nent	0	0	ŏ		SHRUBS, TRI	EES)	o	Ö	ŏ	
Suburban Residential	0	0	0		Soil Loss/		osure		0	9	0		Dairy		ō	0	ō	
Urban/Multifamily	o	Ö	C		Wall/Ripra	D			0	0	o		Orchard		ō	ō	o	
Landfill	0	0	0		Inlets, Out	lets			ō	0	O		Confined A	nimal Feeding	0	0	0	
Dumping	o	0	o		Point Sour	ce/Pipe	WATE	21	0	0	Ō	-	Rural Resi	dential	0	0	O	
Trash	0	0	0		Impervious (SHEETFLOV	s surface	inpu	ľ	O	O	0		Gravel Pit		0	0	0	
Other:	ō	O	0	- 1	Other:				O	0	0	1	Irrigation	2000	0	0	0	_1
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Fill bubble if present - Plot	1	2	3	Flag	Fili bubble	if prese	nt-	Plot	1	2	3	Flag	Fill bubb	le if present - Plot	1	2	3	Flag
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Gas Wells	0	0	0		Forest Sele	ctive Cu	t		0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surface)	0	0	0		Tree Planta	ation			0	0	0		Trails		9	0	0	:84
Mine (underground)	0	0	0		Tree Canor		ory		0	0	0		Soil Compa	ection	Ø	0	0	
Military	0	0	0		(INSECT) Shrub Laye		ed		0	0	0		-	hicle damage	0	0	0	
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Other:	0	0	0		Recently B		rest			-			OR OVERUSE Other:)	0	0	0	V In
Other:	0	0	0		Canopy	BERNSHA.	- 1 559	nd	0	0	0		_	- 728 mm - 200 - 1		0		
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Flag codes: K = No me Buffer Sample Plots			Ext	lla niak	iuspect meas flags in comm	surement., nent secti	F1,F on on	2, etc the b	. = mls ack of	this fo	s ass om	igned b	y each field o	242	816	3304		

FO	RM	B-1	l: E	BUFF	ER SAMPLE PLOTS -	TAR	RGE	TEC	ALI	EN SPECIES (Back) Reviewed by	(initial):		•
Site ID:	10	00	61	NC I	3PS	DAT	E: _(c	1/	31 10.15				
© Confirm	a fille	d da	ta bı	ibble li	ndicates presence and an unf	illed t	bubbl	e ind	licates	absence by filling in this bubi	ole			
Fill bubble if present - Plot	1	2	3	Flag	Fitt bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1.	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0	-	Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	A RESIDENCE
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoll	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
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O AA CENTER O N Latitude I	3	o s	3	O E3	O W3	Lor	ngitu	de V		g and comment below)	:3		Fla	
Flag Comments							-							
1 Plot 3	Cer	10		not.	be sampled -	hai	<i>v</i>	to		1055 Must Creek	- 0	leey	2/5	Jook
Buffer Sample F	oints	s - Ta	rgete	ed Aller	s Species 05/27/2011					790	6662	354	8	•

FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: LOOS WC BPE DATE: D 7 13 1 2 0 1 5																						
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O AA Cer		0	N	0	S	01	= 0	w	1000000	lot		1000	Plot		No. of Principles	lot 3	oumpiou .	21102 21	-9	100	- 1	
					71		-		Buffer	Nat	ural				1	-10-16	- 10	7, 11	- 37			
Fill in bubbles fo Strata Section: F	rall th Fill in a	at app	oly: Ca iriate	cover	Type: class t	D = D	e for eacl	s; E = Evergre n strata type fo	en. Leaf T or each plo	ype: E t. 0 =	3 = Br Abser	oadlea nt, 1 = :	f; N = I Sparse	Needk :(<10?	e Leaf. A 6); 2=M	bsent: No tree derate(10-40	e canopy. %); 3 ≃ Heavy (4	10-75%)	4 = V	егу Не	avy (>75%)
Buffer Ca Plot 1	Leaf	Тур Тур	\rightarrow	\Rightarrow	\leftarrow	bsen	t: O	Buffer Plot 2	Canop	y Typ	\rightarrow			sent	: O	Buffer Plot 3	Canopy Ty	$\stackrel{\sim}{\sim}$	0	Ab	sent	Flag
Big Trees (>0.3m	n DBH)	0	0	0	0	0		Big Trees (>	-0.3m DBH)	0	0	0	<u> </u>	0		Big Trees	(>0.3m DBH)		0	0	0	
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w	ater	0	Ō	0	ŏ	ŏ			<u></u>	0		_			Water (0	히	ਨੀ	ŏ			
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Submerged Vegetation O O O O O O O O O O O O O O O O O O O													$\frac{1}{2}$	(5)								
Resider				V 104107 *				Hydrology Stressors Agricultural 8							-							
			-	1	2	3	Flag			1	2	3	Flag				1	2	3	Flag		
Fill bubble if present - Plot Road - gravel			0	0	0		Fill bubble if present - Plot Ditches, Channelization				0	0	0		Pasture/Ha			0	0	0		
Road - two la				0	0	ō		Dike/Dam/Road/RR Bed			ō	ō	o		Range	6		Ö	0	ŏ		
Road - four la	ine	-	15	o	0	0		Water Lev		ıl Strı	ucture	-	0	ō		Row Crops			ō	ō	ŏ	- 1
Parking Lot/P	- Control of the Cont	ent	CT-ADD	0	ō	ō	0	Excavation, Dredging			ō	0	0	T/A	Fallow Fiel	d (RECENT-RES	TING	ō	0	Ö	9.1	
Golf Course				0	Ō	O	1-0-61	Fill/Spoil Banks			O	0	0		Fallow Fiel	d (OLD - GRASS		0	0	0		
Lawn/Park	73	-2		o	ō	O	13 B	Freshly De	posited	Sedin	nent	0	0	0	1	Nursery			0	0	O	
Suburban Res	siden	tial		0	0	0		Soil Loss/		osure	•	0	0	0		Dairy			0	0	0	
Urban/Multifa	mily	_(7		0	0	0		Wall/Ripra	p			0	0	0		Orchard			0	0	0	
Landfill				0	0	0		Inlets, Out	lets			0	0	0		Confined A	nimal Feedin		0	0	0	
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Trash				0	0	0		Impervious (SHEETFLOV		inpu		0	0	0		Gravel Pit			0	0	0	
Other:				0	0	0	-	Other:				0	0	0	1-3	Irrigation			0	0	0	
Other:				O	0	0		Other:				0	O	0		Other:			0	0	0	
Industri	ial D	evel	opm	ent	Stres	sor	8						Habit	tat/V	egeta	tion Stress	sors					
Fili bubble if	prese	ent -	Plot	1	2	3	Flag	Fili bubble	if prese	nt -	Plot	1	2	3	Flag	Fill bubb	le if present	- Plot	1	2	3	Flag
Oil Drilling			- 11	0	0	0		Forest Clea	r Cut		10	0	0	0	1	Herbicide L	lse		0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut	i i		0	0	0		Mowing/Sh	rub Cutting		0	0	0	
Mine (surface	2)			0	0	0		Tree Planta				0	0	0		Trails			0	0	0	
Mine (underground)					Tree Canop (INSECT)	y Herbiv	ory		0	0	0		Soil Compa (ANIMAL OR H	ection UMAN)		0	0	0				
Military O O O S				Shrub Laye	r Browse	d		0	0	0		Offroad vel	icle damage		0	0	0					
Other:	her: OOO Highly Grazed				ed Grass	ses		0	0	0		Soil erosion OR OVERUSE	1 (FROM WIND, V	VATER,	0	0	0					
Other: OOO Recently E				irned Fo	rest	3	0	0	0		Other:			0	0	0						
			Canopy Recently Burned Grassland (BLACKENED)			0	0	0		Other:												
	codes	K=1	No me	_	_	mad		uspect meas	urement.,			= mls	c. flag	5 855	Igned b	y each field c	rew.	2421				
Buffe	er Sar	nple	Plots	05	/27/			lags in comm	ient sectio	on on	tne b	ack of	unis fo	om)	-51	7 1 109					1	

FO	RM	B-1): E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TEC	ALI	EN SPECIES (Back) Reviewed by	(initial)÷		•
Site ID:	10	08	W Is	PP	,£	DAT	E: _(3 -7	_/ _	3.1.1.2.0.15				
⊚ Confirm	a fille	ed da	ta b	ubble l	ndicates presence and an unf	illed I	oubbl	e ind	licates	absence by filling in this bubi	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0	i iii	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		Glant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0	7000	Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0	,	Leafy Spurge	0	0	0		Other:	0	0	0	
							ĺΠ		14-74	Other:	0	0	0	
					PLOT COOR	DINA	TES	3					-	
Location of coordinat O AA CENTER O N	es (d	choo O S	se (one): ② E3	O W3 • Nearest pro	Lo	ble k	ocatio	on (flag	g and comment below)	.4	[fi 1	ag
Flag Comments					Ose Decimal Def	11000	, teru	565	- 4			_		
1 Orly boon	1	7 -	10	61	emplete plot es pt taken	4		pl	-	steepness and		0/0	ρυ	
Buffer Sample	Point	s - Ta	ırget	ed Alie	n Species 05/27/2011			7		79	666	235	48	•

•				NIA.			FOI	RM B-1:	BUFF	ER	SAI	MPL	ΕP	LOT	rs (F	ront)		leviewed b	y (Initial):		•
Site I	ID:	00	86	1C	BP	M									DATE	<u>=07</u>	1 31	12	O	15	5	
Location									Fill	in b	ubb	le(s) if p	lot(uld not be					T,	T
OAAC	Senter	•	N	0	S	O	E O	W	OF	Plot '	1	0	Plot	2	Ø1	Plot 3					I	
Eill is bubble	f!! fl		-hu Ca		T	D-1	Danid		Buffer						_	A h 4: A t - 4						
Strata Section	on: Fill in	approp	priate c	cover o	class i	bubble	e for each	is; E = Evergre h strata type fo	r each plo	t. 0 = .	Absen	nt; 1 = 1	r; iv ≖ Sparse	Needi e(<109	е Lear. / %); 2=М	Absent: No trei loderate(10-40	e canopy. %); 3 = Heav	y (40-75%); 4 = 1	Very H	leavy	(>75%)
Buffer	Canop	у Тур	эe: @) () AI	bsen	t: O	Buffer	Canop	у Тур	ne: 4) () AI	bsen	t O	Buffer	Canopy	Type: () (E) Al	bsent	: O
Plot 1	Lea	af Typ	18: 🙋	•	丌		Flag	Plot 2	Lea	ıf Typ	e: () (5		Flag	Plot 3	Leaf	Type: () Č			Flag
Big Trees (>	0.3m DBH)	0	•	0	0	0		Big Trees (>	0.3m DBH)	(0	0	0	0		Big Trees	(>0.3m DBH)	00	0	0	0	
Small Trees (<	:0.3m DBH	0	0	•	0	0		Small Trees (<0.3m DBH	0	0	0	0	0		Small Trees	(<0.3m D8H)	00	0	0	0	
Woody Shrubs (0.5m-	s, Saplings -5m HIGH)		(0	0	0		Woody Shrub: (0.5m	s, Saplings -5m HIGH)		0	(9)	0	0			dos, Saplings im-5m HtGH)	00	0	0	0	
Woody Shrubs			0	0	0	0		Woody Shrubs		0	Ō	Ō	0	Ō		Woody Shru	bs, Saplings <0.5m HIGH)	00	0	0	Ō	
	orbs and Grasses	1	0	0	(3)	0			orbs and Grasses	0	0	0	Ō	ŏ		+	Forbs and	00	0	Ō	Ō	
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	bmerged		0	0	0	0	\vdash		bmerged	0	$\frac{0}{0}$	0	0	$\frac{0}{0}$			Submerged		0	\odot	0	
	egetation or Pres	-				_	m that	a filled data	egetation bubble is				-	<u> </u>	unfilled		Vegetation					•
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Fill bubble if present - Plot				i	and the same	T - T	Flag		A CONTRACTOR	-			,	,	Cian	Agricultural & R			Jiai a	2	3	Flag
				1	2	3	Fiag	Fill bubble			710t	0	2	3	Flag	PROBLEM AS		(- Piot		-		riag
Road - gravel O O				0	-	Ditches, Ct		oad/RR Bed			0	0	_	Pasture/Ha	У		0	0	0			
Road - fou	de servicio de la constante de			0	0	0	——	(IMPEDE FLOR	M			0	0	0		Range Row Crops			0	0	0	
Parking Lo		nent		0	0	0		Excavation			ciure	10	0	0		Fallow Field		ESTING	0	0	0	
Golf Cours		IGIR		0	0	0		Fill/Spoil Ba	The Atlanta	'Y		0	0	0		Fallow Field	D		0	0	0	
Lawn/Park				0	0	0		Freshly De	40,000	Sedim	ent	0	0	0		SHRUBS TRE	ES)		0	0 0	0	
Suburban		itial		0	0	0		Soil Loss/R		osure		0	0	0		Nursery			0	0	0	
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Landfill				0	0	0		Inlets, Outle				0	0	0		Confined A	nimal Feed	lina .	0	0	0	
Dumping	and a mark			ō	0	0		Point Source	e/Pipe			0	0	0		Rural Resid			0	0	0	
Trash				0	0	o		Impervious	surface			0	0	0		Gravel Pit			0	0	0	
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Fill bubble			-	1	2	3		Fill bubble	if preser	nt - F	lot	1	2	3	Flag	2007-102	le if prese	nt - Plat	1	2	3	Flag
Oil Drilling	100			0	0	0		Forest Clear	(MANAGED)			0	0	0		Herbicide U	OA.		0	0	0	
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Mine (surfa	oce)				DOM: NO							September 1	and the second	100		Mowing/Shr	nn Corthig		200000		-	
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Mine (unde	หลิเอกแต	J .		0	0	0		(INSECT) Shrub Layer	- Alexander		-	0	0	0		(ANIMAL OR HI	JMAN)		0	0	0	
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Plot 3 could not be samp' with on lang steel sloop	1
Comments	Fla
Use Decimal Degrees; NAD83	
Latitude North 41.36 98 0 Longitude West 281.69289	
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A CENTER O N3 O S3 O E3 O W3 O Wearest practicable location (flag and comment below)	0
ation of coordinates (choose one):	רס
laced as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.	Tedlis
c, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be sentered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the	yq Gey
r Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer and the present and the coordinates will refer to the present and the coordinates will refer to the coordinate will refer to the coordinates will be considered to the c	
of the plot coordinates by filling in the appropriate bubble.	
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	Provic
PLOT COORDINATES	
Olber: O O O	9-
a Thistle OOO Leafy Spurge OOO Other:	Cana
0 0 0 Other: 0 0 0 O Common Reed 0 0 O Other:	
-Minute Weed OOO Reed Canary Grass OOO Other: OOO	
Mustard O O O Glant Reed O O O Himalayan Blackberry O O O	O VIDEO
Salvinia O O O Perennial Pepperweed O O O Common Buckthom O O O	
Floating Heart O O O Japanese Knotweed O O O O Multiflora Rose	Vello
p/sciulth O	9)5W
an Watermillioii O O O Purple Loosestrife O O O Johnson Grass	Eura
Bei f present - Plot 1 2 3 Field bubble if present - Plot 1 2 3 Field Fill bubble if present - Plot 2 3 Field Fill bubble if present - Plot 2 3 Field Fill bubble if present - Plot 2 3 Field Fill bubble if present - Plot 2 3 Field Fill bubble if present - Plot 2 3 Field Fill bubble if present - Plot 2 3 Field Fill bubble if present - Plot 3 Field Fill bubble if present - P	Fill pr
Book English and American	
😂 Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble	
Site ID: 1008 WC6PN DATE: 0.7.1 31.1.20.1.5	

				i bhoid			_					-	-	-	-	1					_	
							FO	RM B-1:	BUFF	ER	SAI	MPL	E P	LO.	TS (F	ront)		Reviewe	d by (initia	1):	_	
Site	ID: _	10	08	1	JC	B	C								DAT	E: 07	13/	_/_	2.0	1	5.	
Locati	on:								Fill	in b	ubb	le(s) if p	olot(uld not be					Т	
® AA C	Center	C	N	0	S	0	E C	W	er con-	lot '		200	Plot	-	4	Plot 3						
Fill in bubble	es for all t	hat ap	ply: Ca	anopy	Type	: D = i	Deciduou	ıs: E = Everare	Buffer en. Leaf T	voe: E	Bro	padlea	f: N =	Need	le Leaf.	Absent: No tre	е сапору.					
Strata Section	on: Fill in	appro	priate	cover	class	bubbl	e for eac	h strata type fo	or each plo	t. 0 = .	Absen	ıt; 1 =	Spars	e(<10	%); 2≖N	loderate(10-40	%); 3 = Hea	avy (40-7	5%); 4 =	Very I	leavy	(>75%)
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Plot 1		f Typ	ю: 🌘	0 (/_	T ==	Flag	Plot 2	Lea	f Typ	e: 🕒) (Flag	Plot 3	Lea	Type:	00	10		Flag
Big Trees (>	0.3m DBH	1	0	0	0	10	<u>' </u>	Big Trees (2	0.3m DBH)	0	0	0	0	<u> </u>	ļ	Big Trees	(>0.3m DBH)	0	<u> </u>	0	0	
mall Trees (0	0	0	0	1	Small Trees (-	0	0	0	0	<u> </u>	Small Trees		1	$\mathfrak{O}[\mathfrak{O}]$	10	10	
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neros, r	orbs and Grasses	0	0	0	0	0	1	Herbs, i	orbs and Grasses	0	0	0	0	0		Herbs	Forbs and Grasses	0		0	0	
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	Rock	0	@	0	0	10			Rock	0	0	<u> </u>	0	0			Rock	0	<u> </u>	0	0	
	Water	0	0	0	0	10	<u> </u>		Water	0	0	2	0	0			Water		<u>D</u> 0	0	0	
	ibmerged egetation	(b)	0	0	0	0	Pr.		ibmerged egetation	0	0	①	0	0			Submerged Vegetation	0	<u> </u>	0	0	
Stress	or Pres	senc	e/Ab	send	:e -	Conf	irm that	a filled data	bubble in	ndicat	es pr	esen	ce an	d an	unfilled	bubble indic	ates abse	ence by	filling th	is bu	bble.	0
Resi	dential	and	Urb	an S	tres	sors			lydrolo	gy S	tres	sors					Agricult	ural &	Rural	Stres	SOF	
Fill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	ent - F	lot	1	2	3	Flag	Fill bubble	If prese	nt - Plo	t 1	2	3	Flag
Road - gra	evel			0	0	0	1	Ditches, C				0	0	0		Pasture/Ha	y		0	0	0	
Road - two	o lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range			0	0	0	
Road - fou	ır lane			0	0	0		Water Leve	el Contro	Stru	cture	0	0	0		Row Crops			0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation	, Dredgir	ıg	SCO.ES	0	0	0		Fallow Field	D)		0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B	uni a promotici	- 1		0	0	0		Fallow Field SHRUBS TRE		ASS,	0	0	0	
Lawn/Park				0	0	0		Freshly De	(D)	ti ining	ent	0	0	0	-	Nursery			0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	loot Expo	sure		0	0	0		Dairy			0	0	0	
Urban/Mul	ltifamily		20045	0	0	0		Wall/Ripra	0			0	0	0		Orchard			0	0	0	
Landfill		10000		0	0	0		Inlets, Outi				0	0	0		Confined A	Company of the Control of the Contro	ding	0	0	0	
Dumping				0	0	0		(EFFLUENT O	RSTORMY	VATER		0	0	0		Rural Resid	Jential		0	0	0	
Trash				0	0	0		{SHEETFLOW				0	0	0	<u> </u>	Gravel Pit			0	0	0	
Other: =		- 10.	mile of the	0	0	0		Other:	-		=	0	0	0		Irrigation			0	0	0	
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	strial D	-		ent S	itres	son	5				_		labit	at/V	egeta	tion Stress	ors					
Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if preser	ıt - P	lot	1	2	3	Flag	Fill bubb	e if prese	nt - Pk	ot 1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear	Cut			0	0	0		Herbicide U	se		0	0	0	
Gas Wells				0	0	0		Forest Selec	tive Cut		_	0	0	0		Mowing/Shr	ub Cutting	1	0	0	0	
Mine (surfa	ace)			0	0	0		Tree Plantal		HE.		0	0	0		Trails			0	0	0	
Mine (unde	erground	1)		0	О	0		Tree Canop: (INSECT)	y Herbivo	угу		0	0	0		Soil Compa (ANIMAL OR HI	ction JMAN)		9	0	0	
Military				0	0	0		Shrub Layer			0)	0	0	0		Offroad vehi	icle dama	ge	0	0	0	
Other:			7	0	0	0		Highly Graze		es		0	0	0		Soil erosion OR OVERUSE)	(FROM WIN	D, WATE	R. O	0	0	
Other:		odko d .		О	0	0		Recently Bu Canopy		est		0	0	0		Other:	7 - 1011		0	0	0	
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	ng codes:	K=N	lo me			made	, U=S	uspect measu				misc	. flag	5 255	gned b	y each field cn	BW.					7
	ıffer San					Exp		lags in comm										24	2816	JU4		2577

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Buffer Ie, fill is	Indica se all	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	absence by filting in this bub! Fill bubble if present - Plot Johnson Grass Multiflora Rose Common Buckthorn Tamalayan Blackberry Other:	Plag	O O O O O O S	2 O O O O O O O O O O O O O O O O O O O	1 0 0 0 0 0 0 0 0 0 0 0	Fill bubble if present - Plot Purple Loosestrife Anotweed Japanese Knotweed Common Reed Common Reed Common Reed Common Reed Plot (#3) at the far end of each Plot (#3	Filago	2 O O O O O O O O O O O O O O O O O O O	2 O O O O O O O O O O O O O O O O O O O	1 O O O O O O O O O O O O	Vatermilfoil cinth cinth ating Heart inis mlock mlock mock mock mock mock mock mock mock m	Vaster hysical Vaster hysical Salvis Salvis Olson Heistras Heistra
O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	Johnson Grass Kudzu Common Buckthorn Tamatak Other: Other: Other: Other: Other: Other: If the Buffer Plot at the AA CEN Other: If the Buffer Plot at the AA CEN Other: Other: Other: If the Buffer Plot at the AA CEN Other: If the Buffer Plot at the AA CEN Other: If the Buffer Plot at the AA CEN Other: If the Buffer Plot at the AA CEN Other: If the Buffer Plot at the AA CEN Other: If the Buffer Plot at the AA CEN Other: Other:	Land for the formal for the formal fo	O O O O O O O	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	Purple Loosestrife Lapanese Knotweed Leafy Spurge Common Reed Common Reed Common Reed Common Reed Plot (#3) at the far end of each Plo	e Buffer appropries	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	Vatermilfoil cinth ating Heart inia mlock mlock refoil refoil istle sistle sist	Vaster hysical Vaster hysical Salvis Salvis Olson Heistras Heistra
O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	Multiflora Rose Common Buckthorn Tamadayan Blackberry Other: Cother: C	IG THE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	Knotweed Japanese Knotweed Giant Reed Common Reed Common Reed Common Reed Common Reed Plot (#3) at the far end of each The far end of each Plot (#3) at the far end of each e Buffer appropries	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	cinith sting Heart stard nock nte Weed sefoil sistle Scoordinates at the plot coordinates at the plot	Vater hyarellow Florinant Salvi Sarlic Musicalic Musical	
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Small Trees (<0.3m DBH		0	0	0	0	700	Small Trees (0	0	<u> </u>	<u>⊙</u>		Small Trees			0	<u> </u>				
Woody Shrubs, Saplings (0.5m-5m HIGH)		0	0	0	0		Woody Shrub (0.5n	s, Saplings -5m HIGH)	0	0	0	0	0		(0.5	111-01111110111	<u> </u>	0	0	. 1	
Woody Shrubs, Saplings (<0.5m HIGH)	(<0.5m HIGH)					Woody Shrub	s, Saplings 0.5m HIGH)	0	0	0	⊙	0		Woody Shru	bs, Saplings 0.5m HIGH)	<u> </u>	0	0			
	Herbs, Forbs and Grasses O O O O O					Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs	Forbs and Grasses (<u> </u>	0	0	W		
Bare ground ① ① ① ① ①				70.7	Bare	ground	0	0	0	0	0		Bar	e ground 💽 (<u> </u>	0	0				
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Water	0	0	0	0	0			Water	0	0	0	0	0			Water 🕕 (00	0	0		
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	•	_				rm that				tes p	resen	e and	d an	unfilled	bubble indi	cates absence by	filling th	is but	ble.	Ð	
Residentia	and	Urb	an S	tress	sors		Hydrology Stressors							Agricultural & Rural Stressors							
Fill bubble if pres	ent -	Plot	1	2	3	Flag	Fill bubbi	e if preso	if present - Plot			2	3	Flag	Fill bubble	e if present - Pio	t 1	2	3	Flag	
Road - gravel	n e	CHILLIER.	0	0	0		Ditches, C	hanneliza	annelization			0	0		Pasture/Ha	ay .	0	0	0		
Road - two lane			0	0	0		Dike/Dam/Road/RR Bed (IMPEDE FLOW)				0	0	0		Range		0	0	0	200	
Road - four lane		U.S.	0	0	0	1	Water Level Control Structure					0	0		Row Crops		0	0	0		
Parking Lot/Paver	ment		0	0	0		Excavatio		0	0	0	THE	Fallow Fiel	d (RECENT-RESTING	3 0	0	0				
Golf Course			0	0	0		Fill/Spoil E				0	0	0		Fallow Fiel SHRUBS, TR	d (OLD - GRASS, EES)	0	0	0		
Lawn/Park			0	0	0	K I	Freshly Di		Sedin	nent	0	0	0		Nursery		0	0	0		
Suburban Reside	ntial		0	0	0		Soil Loss/	Root Exp	osure		0	0	0		Dairy		0	0	0		
Urban/Multifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0		
Landfill			0	0	0		Inlets, Ou				0	0	0		Confined A	Animal Feeding	0	0	0		
Dumping	10	Ш	0	0	0				0	0	0		Rural Resi	dential	0	0	0				
Trash			0	0	0		(EFFLUENT OR STORMWATER) Impervious surface input (SHEETFLOW)					0	0		Gravel Pit		0	0	0		
Other:			0	0	0		Other:		V.		0	0	0		Irrigation		0	0	0		
-Other:			0	0	-0		Other:				0	0	Q		Other:	- 1	0	0	<u>[O</u>		
Industrial C	Devel	opm	ent s	Stree	ssor	8						Habit	tat/V	egeta	tion Stres	sors					
Fill bubble if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt -	Plot	1	2	3	Flag	Fill bubb	ele if present - P	lot 1	2	3	Flag	
Oil Drilling			0	0	0		Forest Clea	ar Cut			0	0	0		Herbicide l	Jse	0	0	0		
Gas Wells			0	0	0		Forest Sele	ective Cul	ı		0	0	0		Mowing/Sh	rub Cutting	0	0	0		
Mine (surface)						Tree Plant	ation			0	0	0		Trails		0	0	0			
Mine (underground)						Tree Cano (INSECT)	py Herbiv	ory		0	0	0		Soil Compa	ection (UMAN)	0	0	0			
Military			0	0	0		Shrub Laye		d		0	0	0	1		hicle damage	0	0	0		
Other:			0	0	0		Highly Gra	zed Gras	ses		0	0	0		Soil erosion (FROM WIND, WATER,			0	0		
Other:			0	0	0		Recently B	umed Fo	rest		0	0	0		OR OVERUSE) Other:			0	0	TI	
Formula -		_	0	0	0		Canopy Recently B	urned Gr	assla	nd	0	0	0		Other:		0	0	0		
Other: Flag code	s: K =	No m	_		mad	e, U = 5	(BLACKENED Suspect mean	surement.,	F1,F	2, etc.	. = mis	c. flag	5 250	igned b	y each field o	irew.	42816	-	16.0		
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Buffer Sample Plots 05/27/2011

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© Confirm	n fille	ed da	ta bı	ubble ir	ndicates presence and an unf	illed (bubbl	e Ind	licates	absence by filling in this bub	ble			
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Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0	0,5	Tamarisk	0	0	0	7
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	:
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
										Other:	0	0	0	<i>"</i>
					PLOT COORI	DINA	TES	3						
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05/27/2011

Buffer Sample Points - Targeted Alien Species