Project Label: Parking/Access outside Field journals complete Site sketch made on 1:	PCAP	Plot No	: 1136 Date Sampled: 8-13-15 Lead: Eys
Field journals complete	of Dark Doundaries	A	Comment required if item answer is NO
ield journals complete	of Park Doundaries		
1000	OF FAIR DOUBURIES:	YN	If yes, write details in Comments section below
Site sketch made on 1:	ed	₽ N	
	3000 map?	₩ N	
heck cover page	X-axis Bearing of plot recorded	7Y N	
	GPS coords. Recorded	N	
11	North direction recorded	(Y) N	
	Photographs taken?	N (S	,
	Relocated Pins Mapped	N (P)	
lot No., Date agreeme	ent on all pages?	OD N	
eader data completed	all pages?	₩ N	
over classes recorded	in all Intensive modules	N	
rowse Level By Speci	ics	N	
Voody stem quality co	ntrol check	(P) N	Check every line and cross check with the Tree Cover Sheet
vasive plant quality o		Ø N	
sh trees mapped		YN	MA
ompleted Forest Pest	Pathogen Datasheet	C N	
over by Strata? (confi		8 N	200 A 300 A
	with matching plot #.	W W	
ross check 2010 info		N	Highlight any changes from 2010 information
	stasheet with initials and number	YN	NIA
ouchers labeled on co		YN	NIA
ink flags removed		D N	(*/):\
ata sheet QA before I	eaving site?	W N	
ommon equipment re		YN	
ata sheets scanned?			Enter date to left
inal data sheets scann	rd?		Enter date to left
uffer Widths measure		Y N	Line dute to lea
cb Soil Survey	u.	YN	
oucher Location	Refrigerator	YN	
vouchers collected)		 ' '`	Enter number to left
· vonctions confected)	Press (#)	V M	Enter number to left
	Drier Identified	YN	
-	Mounted	YN	
	Thrown away	YN	
-			
	on: Is plot sampleable?	- 0260	
¥ Yes	Original GRTS point is sampleable		
□ No	Original GRTS point lands in a non-s		ill in category below)
**	Point falls in a water (i.e. river, la		
	Managed mowed area (i.e. golf of Paved area (i.e. parkinglot, road)	ourse, picnic area, rig	ht-of-way}
	Unsafe to sample (i.e. steep slope)		
	Other		
Additional Comments			

Plot Name: Graenbricar Hills GENERAL INFORMATION CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet Minimum required fields in Bold and Underlined TAXONOMIC STANDARD TAXONOMIC ACCURACY PLOT NOT SAMPLED: vascul. Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. roject Name: 02 W(20)S Very thorough S. tussubac roject Label: PCAP Accurate ind date (if > 1 day) hate (mm/dd/yyyy): 8 /13/2015 Level 4 (no nested corners sampled) Level 5 (nested corners sampled) □ Paved □ Slope □ Safety modera. may still provide good sampling. Hurried plots how much effort put into subjective evaluation of Plot leader Pub Date: low Moods MOCUS o Other not smp GPS location in plot x=0 to 5, y=1,0,+1): Check one: Nublic data Private Data Plot placement: 9GRTS Camera No. Source of coordinates

MAP o Fuzz 100m o Fuzz 250m o Fuzz 500m Data Confidentiality: LOCATION Random Stratified Random Transect component Plot size for cover data: GPS File Name: ■ Lat/Long □ UTM □ StatePlane If data not public why? Local Place Names Photo Nos.: Coord. Accuracy: 🔰 m 🗆 ft Datum: ■ NAD83/WGS84 □ NAD27 Coordinate system: ntensive modules: 2, 3, 8, 9)epth: (1-5): *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Systematic (grid)

Capture specific feature

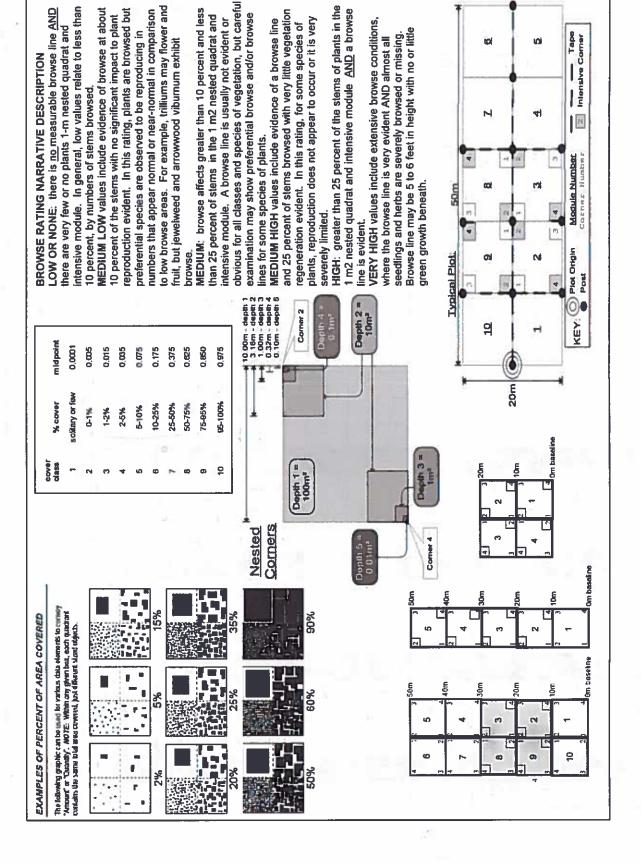
Other West Creek Landfill X-axis Bearing of plot: 12-4602 (base of plot x=0, y=0) □ Representative ■ deg □ deg min Coord. Units Vog how: Courses : White Red / Black Oak of Red Maph and Black Chury Rationale: Grts pt rosample Location: From Blusburd pt take APT along eastern selge of the land fill. Take twoodlood when APT turns last up slope to plot. content), Rationale (why here), and Veg Characterization (description of community, NOTEs: Include Layout (any unusual shape details). Location (directions and landscape dominants, strata, BROWSE). Additional notes in space on back. Diagram O Plot origin S GPS location O photo taken, with direction Layout: UXS All pins found 1001 Shrub: Red Maple, Tupelo, Service bury Herb: Very dopauperate Many Black Cherry Seedlings Ľ (Cluevium Mutrupu Page 1 of 2 permanent posts

Natural Resources Mangement FORM NR/2010-01a

SALINITY*

□ Saltwater Brackish oCpland (n/a)

Project Label:	Project Label: PCAP Project name: 02WCWS	Project name:	9	02W2015	2		Plot no.:		1126	ο,					956	7	2	-
Total modules:	10	Intensive modules:	1	 	Plot configuration:	gurat	on:		ļν,		1	70	Plot area (ha): O.	rea (I	na):	0	-	11750
			mod cor	corner mod	comer	mod	comer mod	nod C	comer n	mod cc	corner mod		corner	<u></u>	omer	*	comer	mo
<u> </u>	The second secon	Estimate for each		1 2	2		5	.	_	_	1	_			4		4	23
3	Rr = Amuse evel like raver riskses to	intensive module:	depth c	cov i depth	004	-	1 A00	ž	DON G	-		9	ğ		760	depth	Q Q	dep
Cleveland	describe amount of browse per species over	%open water		-	361	-	0	-10			٥	2000	3000	_	-	Page 18	2	
Metroparks	entire plot	%unvegetated open water	_ 0			-	0		H	_	0				9			
		%unveg. ground (bare soil)	1			-	7			1	b			-	Ü			
Strata - Cov. entire plot	olot	%unveg. litter (bare litter)	1 6			1	, P			1 2				1	٩		8	
S H (F) (A) Br	Br Species	c Voucher#	3	cov depth	Ş	depth	Sy -	_	Q VQ	depth	- A80	depth	VGD	depen		depth	VCO	dep
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\S\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	6 Nussa Shivatica		33							- 1				در	P	نع		
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<u>い</u>	6 Burneys Sp. (Specifica)		W	עפ	Ų,			A S A S	0.0	کر	Q	U	Ţ		2	ىع		
5	Smilex Cotune		W	7	X	W	۲	7	-	-		ىر		စ	T	D		
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SRE_CM PCAP TREE Species Cover Data sheet.xls last revised 6/10/2015 jjm

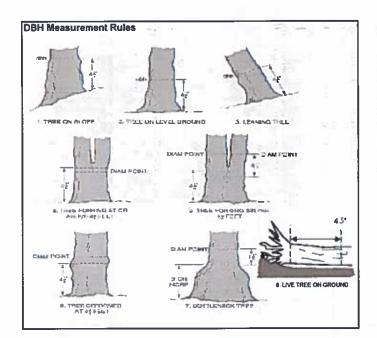
Project Label:	Project Label: PCAP Project name: つしいこしゅち F		Project name:	Q	OTWCTOS Plot no.: 1136	12	Ň	Plot
% COVER	7 ()		Prensence of tree	под			рош	22
Strata - Cov, entire plot	plot	Г	species (X)	S	3		9	Z
T Br	Species	c	Voucher#		533			
4 T	Courres allow			X	X	×	X	×
. 8 9	_ 1			X	X	×	×	X.
8 9	ا <u>_</u> ا			X	X	\times	X	X
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ent Program Tre Project name:	Prensence of tree mod	species (X)	Voucher #			5		S20									
SSM(v														
CLEVELAND METROPARKS Plant Community Assessment Program Tree Cover Data Sheet Project Label: Project Label:			Species														-
TRO		호															
CLEVELAND ME Project Label:	/FR	Strata - Cov. entire plot	Br														
CLEVE	% COVER	Strata -	L														

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*to be rechecked CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet ע رو ىر ىو Smilax rotundifolix Acer rubrum Overcus Sp. Querous rubra STANDING DEAD Amelanchiar Sp. Smilax rotundifolia Nyssa Sylvatica Acer pubrum Enssafins abidum Overcus so. Acer rubrum Explain subsample (additional room on back) STANDING DEAD STANDING DEAD Wiercus rubra Quercus Velutina Prunus Serotina Quercus rubra Nyssa su Ivatica STANDING DEAD Smilax rotundifolia gurercus alba Prvnus serotina Project Label: PCAP voucher# . : • browsed # sterras 0-1.4m or super % sub Project Name: Que 3015 clumps shrub # size class (cm) woody stems >1.4m 7 1-<2.5 2.5-<5 Plot No.: 1136 . 5-<10 . 10-<15 • 15 - <20 20 - <25 × Page: 25 - <30 30 - <35 잋 Reveland Retroparts 35 - <40 5 0.00 >40 (record each tree) 9 =

Acer nubrum



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

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).
- 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.

Plot	'U	201	Smr	ect Name:	Proj	1	PCAP	Label:	Project L	
Stem Data Sh	Stem	Woody	ogram Natural	rogram i	sment F	Asses:	RKS Plant Community	Plant	LEVELAND METROPARKS	0

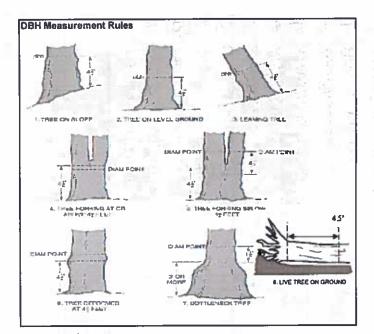
Project Name: Od WC & U

Plot No.: 1136

Page:

of Developed Hetoparks

	Explain subsample (additional room on back):	ck):	% sub	*	size class	size class (cm) woody stems >1.4m	y stems >1	-4		20	D D	\dashv	0	9	9
4	Prunius Seratina	voucher# browsed	sample	clumps	ž	1-22.5	2.5-46	\$\frac{1}{2}		10- 415	10-<15 15-<20	10- 415	10-<15 15-<20	10 - <15 15 - <20 20 - <25	10 - <15 15 - <20 20 - <25 25 - <30
	Smilay rotunditalia				**										
73	Acer rubrum		A	54				::	1.00			•			
~,	STANDING DEAD						•		•	•					
N	Ostrua Virginiana]		•	•	•	•	•	•
S	Smiler rotunditalias	3 0		•											
6	Acer rubrum			- 10				_		0	D •	0	0	0	0
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+	Acer rubrum									The Property of	• •				
#	STANDING DEAD							-	•		•	•	•	•	•
4	Prunus serotina							-	٠		•				
4	Fagus amodifilia					•	0								
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4	Smilax rotundifulia	8													
8	Overcus alba														
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∞	Prunus serotiha							₩		Î.	•	•	•	•	•
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6	Acec cubrum	ىرو				•	•	-	•	•	•	•	•		
9	Nyssa Sylvatica	ىرو						-	•	•	•				



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 10













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B

C

D

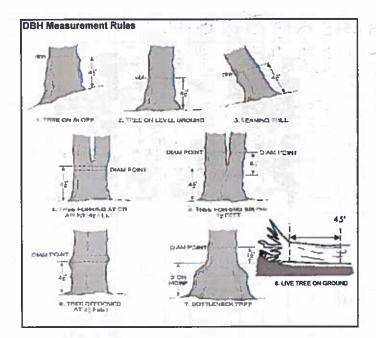
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ō CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet O Smilax rotundiblia Oftigus grandifalia O Acer rubrum Quercus alba Quercus Velunting STANDING DEAD Quercus hubra Sassafras albidum Sassafias albidum Prunus Serotina Sassafrass albidun Myssa sylvatica Quercus rubra lacinium pallidum Project Label: PCAP browsed دو Sterns Ċ, ىو 0-1,4m S or super % sub Project Name: Da wc 2015 shrub clumps * size class (cm) woody stems >1.4m 7 1-<2.5 6 2.5-<5 Plot No.: 1136 ŧ 5-10 4 ٠ 10 - <15 15 - < 20 • 20 - <25 • Page: 30 - <35 (D) Serveland Metroparks 35 - <40 5 44.3 >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













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CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet Trea 23 21 20 16 5 13 5 19 If Ash Condition scores 5 (dead) provide breakup score (A-E)
 Count EAB exit holes 1.25m2 x 21.5m
 Woodpecker and epicormic marked present (1) or absent (0) Project Label: PCAP Voucher # Project Name: 02 WC 2015 (CEM) HBG Ash condition *Dead condition ASH Only
Exit Epicornic
n holes present PIOT NO.: 130 Date: 09/13/2015 Woodpecker holes Baseline *** Change intensive module numbers when necessary Map all ash trees ≥10cm in each module using Tree ID number • 2 Page: 1 of 2 • Ĺ

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection/	Rapid response	3 1930	Pre	sence		GPS	
Her Tr PRISA Acteuritation		NE	SE	sw	NW		Presence
Microstegium vimineum	Japanese stiltgrass						X: yes
Ranunculus ficaria	Lesser Celandine		\top				
	Black Swallow-wort			1			\neg
	Flowering Rush					1 1 1	7
Heracleum mantegazzianum	Giant Hogweed	-					
Tier 2: Assess a		1	# of	Plants		comments	200
ilei & Massa s	J Heeded	NE	SE	sw	NW		# of Plants
Acer platanoides	Norway Maple	1116	-				1: 1-10
Acer platanoides Allanthus altissima	Tree of Heaven		+				2: 11-50.
	Japanese Honeysuckle	_		+			3: 51-100
	Purple Loosestrife			+	-		4: 101-1,00
	Bishop's Goutweed	╅┈	+	+	 		5: >1,000
	Asian Bittersweet	+-	+	+	 	·	- 5. 2,000
Celastrus orbiculatus (vine)		+	+-	+-	 		-
Torilis sp.	Hedgeparsley Poison Hemlock	+	_	+	 	<u> </u>	┥
Conium maculatum		,	+	+	 - - - - - - - - - -	·· - -	┥
Rhamnus cathartica	Common Buckthorn (shrui		+-	+-	 	<u> </u>	
Berberis thunbergii	Japanese Barberry (shrul	9/	+	+			
Alnus glutinosa	European Alder		-	+	-		\dashv
Dipsacus laciniatus	Cut-leaf Teasel	3	-	+	 		\dashv
Elaeagnus umbellata	Autumn Olive (shrul		+	-	\vdash	 .	- 1
Lonicera maackii	Amur Honeysuckle (shrul	<u>" </u>	-	+-			
Euonymus fortunei	Wintercreeper		40	-		and the second s	
Tier 3: Presence i	s of Interest			Plants		comments	H of Discou
		NE	SE	SW	NW	3/22/19/19	# of Plants
	Lily of the Valley	+		+-	 	 	1: 1-10
Coronilla varia (G-cover)			-		+		2: 11-50.
Eleutherococcus pentaphyllus	Five-leaf Aralia (shrul	<u>) </u>	+-	-			3: 51-100
	Japanese Pachysandra	Ц.,	_	+-		<u> </u>	4: 101-1,00
Philadelphus coronarius	Mock Orange (shru	b)	_	+-	 	·	5: >1,000
Pulmonaria officinalis (G-cover)		-		_	+-+		_
Rubus phoenicolasius	Wineberry						_
Iris pseudacorus (wetland)							
Ornithogalum umbellatum	Star of Bethlehem						
Viburnum opulus var. opulus	European Cranberry (shrub	p)				<u> </u>	_
Viburnum plicatum	Doublefile Viburnum (shrul	p)					_
Tier 4: Widespread	and abundant			esence		comments	
		NE	SE	SW	NW		# of Plants
Alliaria petiolata	Garlic Mustard						1: 1-10_
Ligustrum vulgare	Common Privet (shrut)			*5		2: 11-50.
L. morrowii, L. tatarica	Bush Honeysuckles (shrul	o)					3: 51-100
Phalaris arundinacea	Reed Canarygrass						4: 101-1,0
Phragmites australis (wetland)	Phragmites						5: >1,000
Polygonum cuspidatum	Japanese Knotweed						
Frangula alnus	Glossy Buckthorn (shrub)_	11				
Rosa multiflora	Multiflora Rose (shrub		7				
Typha angustifolia, T. x.glauca	Cattails (wetland)	_	\top				
Cirsium arvense	Canada thistle	\top	$\neg \neg$		1	_	
Dipsacus fullonum	Common Teasel		1	\top	1		
Hesperis matronalis	Dame's Rocket	\top	1	\top	 -	-	\dashv
Vinca minor (G-cover)	Periwinkle	_	+	-			\neg
Valida Hallot (G-cover)		lalala.	15	1 -6		natch size /S M 1)	_

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

_	-												 	
,	10	9	8	7	6	O1	4	ω	2	_	mod #			CLE
				25.100						1 NONE PRESENT	species		Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheet
											voucher#		P(Communit
											shrub clumps	#	PCAP	Assessme
) 100 (d)	,					<u>Z</u> -	size class (cm) woody stems >1m	Projec	nt Program
											2 1-<2.5	m) woody	≾ Name:	Forest
											3 2.5~5	stems > 1r	Project Name: 02 WC 2015	Pest an
ļ											5~10	3	1621	d Patho
											5 6 10-<15 15-<20		ট	gens Da
													Plot No.:	ta Shee
											7 20 - <25		13	
											8 25 - <30		0	
											9 30 - <35		Page:	2
											10 35 - <40			
											7 8 9 10 11 20 - <25 25 - <30 30 - <35 35 - <40 >40 (record each tree)		of	
												\exists		

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

Strafts	# of stem Severity infected (H,M, or	Severity (H,M, or L)	* Write None Present if no evidence:
Tree (size class 3 or above)			LIONE RESBeech (Fungus) NONE Asian Longhorned Beetle
Shrub (size class 2 or below including shrub clumps)			Hemlock (HWA) Other Pest or Pathogen
			Walnut (Thousand Canker)

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

Severity

l				
l	PR			
I,	No.:			
ŀ		1		
h	W	5	,	

08/13/2015

Page: 1 of 1

CLASSIFICATION		
(FIT = excellent, g Fit and Confidence		
Hydrogsomernhic class (WETLANDS ONLY):		
a DEPRESSION	7	Conf-
o IMPOUNDMENT o Beaver o Human	7	Confa
O RIVERINE O Headwater O Mainstern O Channel	Fil*	Conf*
O SLOPE (ground water by drology or on a physical slop)	Fire	Conf*
o FRINGING o Reservoir o Natural Lake	7	Conf=
ta COASTAL (specify subclass)	7	Conf=
a BOG (strongly, moderately, weekly ombrotrophic)	Fit	Confr
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	SCY INC	
to FOREST to swamp forest to bog forest to forest seep	Fice	Conf=
□ EMERGENT □ mash □ wet meadow □ open bog	- F	Conf*
a SHRUB a shrub swamp a tall sh bog a tall sh fen	File	Conf=

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

ope 1 = slight elevational grade across module (hill) was for microhabitat features. Select one or select two and everage the score.NOTE: If mod falls on a slope automatically gets ranked besed on steepness (1-3) to begin + any features present Slope 2 = falls on slope -20° Slope 3 = maximum steepness that can be safely sampled ~45°

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

		0	A	بد	بر	modifi						
						corner						
		0	0	0	0	(count)	lxim	depth 3	-	lussocks	no. of	
		0	0	0	0	(count)	3,16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
		-	0	0	0	(count)	10x10m	depth 1		depressions	no. macro.	
	- SWE	5	16	14	(B)	(pount)	i0xi0m	depth 1		(2-12 cm)	c.w.d	
		0	1	0	0	(count)	10x10m	depth 1		(12-40cm)	c.w.d	
+		0	0	0	0	(count)	10x10m	depth 1		>40 cm	gwd	
		2	s	2	7	(rank)	10x10m	depth 1		interspers.	microhab.	
		2	શ	7	S)	(rapk)	10x10m	SLOPE			microhab.	

						_		_
+315 degrees	+270 degrees	+225 degroes	+180 degrees	+ i 35 degrees	+90 degrees	+45 degrees	At aspect	
WW	W	WS	s	SE	បា	NE	Z	
								LP4"
1								131
	away.	e) e of person	recorders eye to	TSI measure	angles formed by local slopes. For	horizon, TSI is	LFI is angle of	
L	_		0		δ, ' <u>Σ</u>	-	_	ı

* Lendform Index (position within landscape)
** Terrain Shape Index (site microtopographic shape)

CROWN COVER (DENSIOMETER): Make 4 readings per module facing N. S., E. W. Place dot count in corresponding space. (4 dots per grid square)

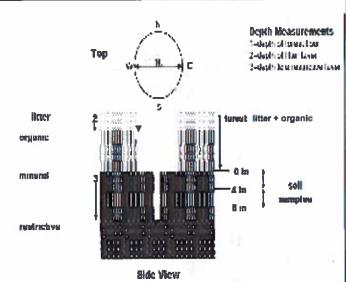
•0	-	Lu	2	Medule	
0	O	_	_	2	
~'	0	2	0	co.	
	_	0	2	М	1
W	_	0	_	*	L

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.



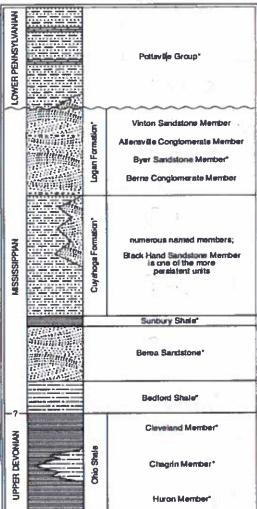


FIGURE 3-20.—Generalized section of Upper Devuman Minimippian, and Lower Pennsylvanian firmations in northeastern Ohio Asterials indicate units that are fossiblerous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waveth" is used in the older literature in refer to Mississippian rocks in Ohio. Some geologies use the European term "Carboniferous," which encompasses the Missinglysian 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 measure sandsome that is fairly widespread but discontinuous. See Hyde (1953), Hoover (1960), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

Cicrcland Metroparia

Page: 1 of 1

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a
Project label: PCAP Project Name & CO 15
Plot No.: 150

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

Soil pit module # (one per entire plot)

						20 cm							E CH
	redox features**	texture*	oxid roots	%mottle	mottle color	matrix color	hydr. cond.***	redox features**	iexture*	oxid roots	%mottle	mottle color	matrix color
	*		~				- s	4					
	z		z			1	M	z	ľ	z			
Ī													

refer to texture classes on reverse side

rydro, cond. ***

I S M D

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

Circle one:
indundated S-saturated M-moist D-day
meas: Include evidence of earthworms (worms,

MDD2: NO WORMS OBSERVED, CASTINGS PRESENT.

MOD 3: Costings present

MODS: CASTINGS
PRESENT.

MoDG: Costings prepart

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

	Herizen (A. B. C)
Soil Series/Type:	mations
Soil Series Source: Ohio Soil Survey	o Soil Survey
Landform type:	
Depth to rest, Layer:	
Parent Material:	
DRAINAGE*	
a Excessively dr. a	Somewhat excessively
□ Well drained □	Moderately well dr.
a Somewhat poorly dr	a Very poorly dr
u impermeable surface	

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

record as >30	\$>30			511
mod#	1 litter+ organic depth (cm)	2 litter depth (cm)	water depth (cm)	depth sat soil (cm)
ىك	3.6	3.6	0	0
W	2.4	2.4	9	0
8	ئى دى	3.8	0	0
9	2,6	2.6	0	Ò

Underlying Earth Surface*	1 Surface*	Ground Cover	
(Size) - 100%	percent	(Each \le 10094)	percent
Histosol	0	Coarse Woody Debris***	5
Mineral Sod	84	Fine Woody Debris****	/ 0
Gravel-Cobble*	2	Litter	3.
Boulder**	0	Duff (Ferm.+ Humus)	0
Bedrock	0	Bryophyte- Lichen	
· Gravel-Cobble = 1/16-10	-1/16-10°	Water	_
**Boulder => 10 m	II.	Bare Soil	.,
*** >5 cm m diameter	neter	Road/Trail	2
*** <5 rm in dismeter	incler	Other	

Whiting sanctioned Bridle All Purpose

Bootleg unsanctioned

scord type and cover for each TRAIL INFORMATION;

%Cover

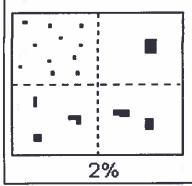
Strata	Height Range (m)	Total Cover (%)
Ti∞	75	9
Shrub	05-5	-
Herb	えらい	
(Floating)*		

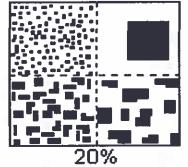
'AND SIZE >000 x plot size 10-100 x plot size 10-100 x plot size 3-10 x plot size 1-3 x plot size

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



Class	C	code	Criteria: % of
	Conv.	NASIS	Surface Area Covered
Few	E	#	< 2
Соттоп	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

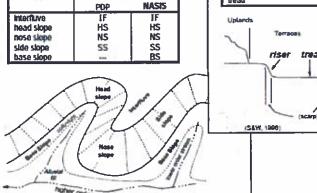
9= Not measured - make plot note

Position

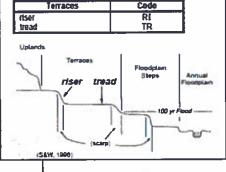
shoulder

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.



(PJS, 1996; adapted from Ruhe, 1975)



Hillslope - Profile Position (Hillslope Position in POP) - 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.

Code

SH

footslope toeslope	FS TS		
Su Sh Bs	_	Sh Bs	54
grat, 1984, seasons have find	TS TS TS	1	

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.

Site ID: 113LBPWCN						BUFF	ER	SAI	MPL	ΕP			ront)		Reviewed I			- (•			
Location				,		V	99000		FIII	in b	ubb	le(s) if p			ild not be						
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			1.0						Buffer	Nat	ural				_			1	- 1			
	on: Fill in a	approp	oriate o	cover						en. Leaf Type: B = Broadleaf; N = Needle Leaf. A r each plot. 0 = Absent; 1 = Sparse(<10%); 2=Mo							ivy (40-75	%); 4 = \	/ery H	eavy (>75%)	
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imali Trees (<	0.3m DBH)	0	0	0	0	0	-	Small Trees (<0.3m DBH)	0	0	0	1	0	9.3	Small Trees	(<0.3m DBH)	00	0	0	o	-4
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Road - two	Road - two lane OOO		(IMPEDE FLOW)		0	0	0		Range			0	0	0								
Road - fou	Road - four lane		32	Water Level Control Structure		10	0	0		Row Crops			0	0	0							
Parking Lo	Parking Lot/Pavement O O O			Excavation, Dredging		0	0	0	- 1	Fallow Fiel	D)		0	0	0	1						
Golf Cours	se			0	0	0	Name.	Fill/Spoil Banks		0	0	0		Fallow Fiel SHRUBS, TRE		ASS,	0	0	0			
Lawn/Park				0	0	0		Freshly Deposited Sediment (UNVEGETATED)		0	0	0	5 10	Nursery		999	0	0	0			
Suburban	Residen	tial		0	0	0		Soil Loss/Root Exposure		0	0	9		Dairy	1		0	0	0			
Urban/Mul	tifamily		- 8	0	0	0		Wall/Riprap		0	0	0		Orchard			0	0	0			
Landfill	HEW			0	0	0		Inlets, Out Point Sour		188		0	0	0		Confined A		eding	0	0	0	
Dumping				0	0	0	1 -	(EFFLUENT C	OR STORM	WATER	₹)	0	0	0		Rural Resi	dential		0	0	0	
Trash				0	0	0		Impervious surface input (SHEETFLOW)			0	0	0		Gravel Pit			0	0	0		
Other:				0	0	0		Other:		0	0	0	_	Irrigation		0	0	0	ш			
Other:				10	0	0		Other:			000		Other:		10	0	0					
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Oil Drilling	1			0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse		0	0	0	
Gas Wells			Forest Sele	ctive Cut	Ų.		0	0	0		Mowing/Sh	rub Cuttin	g	0	0	0						
Mine (surfa	ace)			0	0	O		Tree Planta				0	O	0		Trails			0	0	Ø	
Mine (unde		1)	ä	0	0	0	,	Tree Canop		огу		0	0	0		Soil Compa	clion		0	9	9	-1
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Military				0	0	0		(WILD OR DOI Highly Graz	ÆSTIC)					-		Soil erosion		_			_	
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Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	13
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0	ļ.	Japanese Knotweed	0	0	0	5	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		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		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	H
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Buffer Sample Points - Targeted Alien Species 05/27/2011

•	17				00.17	ANY	FOI	RM B-1:	BUFF	ER	SAI	/IPL	E PI	LOT		and the second		riewed by		-		•
Site I	ID:	136	B	Ph	JC	0											103				2	
Location	on:								Fill	in b	ubb	le(s	if p	lot(s	s) cou	ild not be	sampled	and f	lag -	\rightarrow		
@ AA C	Center	C	N	0	8	O	E 0	W		lot '	-		Plot		A 100 P	Plot 3		11/2				
								s; E = Evergn		ype: E	= Bro	adlea	f; N = 1	Needk	Leaf. A	Absent: No tree oderate(10-40)	e canopy %); 3 = Heavy	(40-75%); 4 = \	ery H	eavy (>75%)
Buffer	Canop	у Тур	ie: 🥝) () AI	osen	t: O	Buffer	Canopy	у Тур	e: 🕞	\odot) At	sent	:	Buffer	Canopy T	ype: 🕒) () Ab	sent	: O
Plot 1	Lea	f Typ	e: ©) (Flag	Plot 2	Lea	f Тур	e: (Flag	Plot 3		ype: 🖸	-			Flag
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mall Trees (<	<0.3m DBH	10	0	0	0	0	0	Small Trees (0	0	0	<u> </u>	<u> </u>	-71	Small Trees		<u> </u>	0	<u> </u>	<u> </u>	
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Herbs, F	orbs and Grasses		(6)	(3)	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	00	0	0	0	
Bare	ground	0	8	0	0	0		Bare	ground	0	0	0	0	0		Bar	e ground	00	0	0	তা	
Lit	ter, duff	0	0	(2)	0	0		Li	tter, duff	0	0	0	0	0			itter, duff	00	0	0	<u></u>	
	Rock	0	0	0	0	0			Rock	0	0	0	0	0			Rock (00	0	<u></u>	0	
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	egetation				_		m that		egetation bubble in	_	les p				unfilled		Vegetation Cates absence					Ð
	dential	000	17570			7.430			Hydrolo	-			- 38			and the same of the same	Agricultura		100000	del ma	1000	
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Road - gra	19975 23	OIIC-	1,100	0	0	0	1,109	Ditches, C	78-1-1-1-1-1-1-1	- 60		0	0	Ô	9	Pasture/Ha		41.11	0	0	0	
Road - tw		121		0	0	0		Dike/Dam	Road/RR			0	0	0		Range	ıy .		0	0	0	
Road - fou	and the latest to			0	0	0		Water Lev		l Str	cture	_	0	0		Row Crops			0	0	ō	201
Parking Lo		nent		0	0	0		Excavation				ō	0	ō		Fallow Fiel	d (RECENT-RE	STING	0	0	Ö	× 1
Golf Coun		presili	4.75	ō	0	0	1.9	Fill/Spoil E		-		O	0	ō			d (OLD - GRAS	S,	0	0	ō	
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Landfill				ō	0	Ō		Inlets, Out	27.50			Ō	O	0	T_a	Confined A	Inimal Feedi	ng	0	0	0	
Dumping				0	0	0		Point Sou		VATER	21	0	0	0	IE KI	Rural Resid	dential		0	0	0	
Trash				0	0	0		Impervious (SHEETFLO	s surface	inpu		0	0	0	-	Gravel Pit			0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation			0	0	0	P A
Other:				0	0	0		Other:				0	0	0		Other:		udio = eo	0	0	0	
Indu	strial D	evel	opm	ent S	Stres	SOF	В					1	Habit	at/V	egeta	tion Stress	sors					
Fill bubble	e If pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Piot	1	2	3	Flag	Fill bubb	le if presen	t - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	ir Cuf			0	0	0		Herbicide U	lse		0	0	0	
Gas Wells	3			o	o	0		Forest Sele				0	0	0		Mowing/Sh			0	0	0	
Mine (surf				0	0	0		Tree Plants				0	0	0		Trails			0	0	0	
Mine (und		d١		0	0	0		Tree Cano		ory		0	0	0		Soil Compa			0	0	0	
	Gigiouii	٠,						(INSECT) Shrub Laye	r Browse	d		-				(ANIMAL OR H	3702					
Military			THE	0	0	0		(WILD OR DOI Highly Gra	MESTIC)			0	0	0			nicie damage n (FROM WIND,		0	0	0	
Other:	 			0	0	0		(OVERALL &	HIGH)			0	0	0		OR OVERUSE		- 9	Ø	0	0	
Other: _				0	0	0		Canopy Recently B			nd	0	0	0		Other:			0	0	0	
Other: _			1	0	0	0		(BLACKENED)				0	0	0		Other:			0	0	0	
	lag code: luffer Sa					Exo	lain all t	uspect meas lags in comm	urement., nent sectio	F1,F	2, etc. the ba	= mis	c. flag this fo	s assi	igned by	y each field c	rew.	242	8168	3304		

FO	RM	B-1	l: E	BUFF	ER SAMPLE PLOTS -	TAR	GE	TEC	ALI	EN SPECIES (Back) Reviewed by	(initial):		
Site ID:	M	11	36	Cop Cop	MCC	DAT	E:(5	<u>.</u> /_	1317015		í		
d Confirm	a fille	d da	ta bu	ıbble ir	ndicates presence and an unf	liled i	ubbl	e ind	licates	absence by filling in this bubl	ole	- Charle		
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	To a	Purple Loosestrife	0	0	0	hЭ	Johnson Grass	0	0	0	1
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	4
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0	_	Multiflora Rose	0	0	0	N.
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0	-	Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
										Other:	0	0	0	
					PLOT COOR	DINA	TES	3						
Location of coordinat AA CENTER ON Latitude	13	OS	3	O E3	O W3 O Nearest pro	Loi	ngitu	de V		g and comment below)	.2			
Flag Comments	3													
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2 11 2 2										Esta le la				<u>-</u> 1
										79	666	2354	18	

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

	H (6"					1878	FO	RM B-1:	BUFF	ER	SAI	MPL	ΕP	LO	TS (F	ront)		Review	ved by	(Initial):		
Site	D:	113	61	20	W	c .	-								DAT	E 08	1/3	21	2	D	1	(
Location	-				220			MATERIAL TO LITE	Fill	in b	ubb	le(s) if p	lot(uld not be					_	1	1
OAAC	Center	C	N	0	S	0	E C	W		lot		20%-E	Plot	The State of		Plot 3		ÂÚ					
							= DT (Unio s		Buffer								ALC: UNITED ST	(C)					
Fill in bubble Strata Section	es for all thon; on: Fill in a	hat app approp	ply: Ca priate d	cover	Type: class	D = [Deciduou e for eac	is; E = Evergre h strata type fo	en. Leaf T or each plo	ype: E it. 0 =	3 = Bn Abser	oadiea nt, 1 =	f, N = Sparsi	Needi e(<10	le Leaf. %); 2=N	Absent: No tre loderate(10-40	e canopy. %); 3 = Hea	vy (40	-75%)	; 4 = \	/ery H	eavy	(>75%)
Buffer	Canop	у Тур	e: 🍳) () A	bsen	ıt: O	Buffer	Canop	у Тур	ie: (6) () A	bsen	t: O	Buffer	Canopy	Тур	e: 🗿	0) Al	sent	0
Plot 1	Lea	f Typ	e: 🏈	9 (0,000	Flag	Plot 2	Lea	f Typ	e: C) (3	Flag	Plot 3	Lea	Тур	9: ①	0		gran =	Flag
Big Trees (>	0.3m DBH)	0	0	0	0	0		Big Trees (>0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH	0	0	0	0	0	
mall Trees (<	0.3m DBH	0	0	0	1	0		Small Trees (<0.3m DBH	0	0	0	0	0		Small Trees	(<0.3m D8H	0	0	0	0	0	
Woody Shrubs (0.5m-	s, Saplings 5m HIGH)	0	0	0	0	0		Woody Shrub (0.5m	s, Saplings 5-5m HIGH)	0	0	0	0	0			ıbs, Saplings im-5m HIGH)		0	0	0	0	
Woody Shrubs	, Saplings 5m HIGH)	0	0	0	0	O		Woody Shrub		0	0	0	0	0		Woody Shr.	rbs, Saplings 40.5m HIGH)	0	Ō	0	0	Ō	
	orbs and Grasses	0	0	0	O	o			Forbs and Grasses	Ō	Ō	0	Ō	Ō			Forbs and Grasses	0	Ō	0	0	Ō	
Bare	ground	0	0	0	0	0		Bare	ground	Ō	Ō	0	0	Ō		Bai	e ground	ō	Ŏ	Ö	Ō	ŏ	
Litt	ter, duff	0	Õ	0	Ō	(3)		Li	tter, duff	0	Ö	ŏ	ŏ	ŏ		1	itter, duff	ŏ	ŏ	ŏ	ŏ	ŏ	-
_ 20	Rock	0	ō	0	0	ŏ			Rock	0	0	0	0	$\frac{9}{0}$			Rock	0	0	ŏ	ö	0	
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	Water 6 0 0 0 0					0		St	ubmerged		$\overline{\sim}$	$\tilde{\sim}$		0			Submerged	=		=			
	-75	-			_	_	irm that		egetation		0	0	0		unfiller	i bubble indic	Vegetation	-	(O)		0		•
-	dential			-	-	70000	4000		Hydrolo		41.00	-	CE AII	u all	DI IIIII GL	T	Agricult	0009	1140	-		-	
Fill bubble				1	2	3	Flag	Fill bubble			_	1	2	3	Flag				_	1	2	3	Flag
Road - gra	200	3311 1	101	0	0	0	r ray	1		orași.	iot	0	100000	0	гау	CONTRACTOR CONTRACTOR			+		10000	-	1 lag
Road - two				0	0	0		Ditches, C Dike/Dam/		V		0	0	0		Pasture/Ha Range	ıy		+	0	0	0	-
Road - fou				0	0	0		(IMPEDE FLO		Stru	cture		0	0		Row Crops	YL ST		-	0	00	0	
Parking Lo	-	ent		0	0	0		Excavation				0	0	0		Fallow Fiel		RESTI	VG	0	0	0	
Golf Cours				0	0	0		Fill/Spoil B		'9		0	0	0		Fallow Fiel	d (OLD - GR	ASS,		0	0	0	
Lawn/Park	(11-01) m	100		0	0	0		Freshly De	posited S	edin	ent	0	0	0		SHRUBS, TRE	ES)	-		0	0	0	
Suburban		tial		0	0	0		Soil Loss/F		sure	Val.	9	0	0		Dairy	10/27			ö	0	0	
Urban/Mul	tifamily			0	0	0	-	Wall/Ripra	p			0	0	0		Orchard		lige.	1	5	0	0	
Landfill		T and		0	o	0		Inlets, Out	401-0-0-0-0-0			o	0	ŏ		Confined A	nimal Fee	ding		Ö	0	Ö	
Dumping	Othica.	. 11-5		0	0	0		Point Sour	ce/Pipe	VATER		0	0	ō		Rural Resid				0	0	0	
Trash				0	O	0		Impervious (SHEETFLOW	surface	input	mis	0	0	0		Gravel Pit		r ža	that I	o	0	0	1.50
Other:		-		0	0	0		Other:				O	0	0		irrigation				ō	0	0	
Other:				0	0	0		Other:		-		0	0	0		Other:				ō	0	0	
Indus	strial D	evelo	pme	ent S	tres	SOF	5						No.	tat/V	egeta	tion Stress	ors						
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	If preser	nt- F	lot	1	2	3	Flag	Fill bubb	le if prese	ent - F	Plot	1	2	3	Flag
Oil Drilling			1971	0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se	-17		0	0	0	
Gas Wells	11.0000 mil	100		0	0	0		Forest Selec	ctive Cut	139		0	0	0		Mowing/Shr		,		o	0	0	
Mine (surfa	ace)			0	0	0		Tree Plantal	tion	TO U		0	0	0		Trails		2011	1	0	0	0	
Mine (unde	erground)	Toyal .	0	0	0		Tree Canop	100	ory		0	0	0		Soit Compa			-	0	0	0	
Military	Spani			0	0	0		(INSECT) Shrub Layer		d	11.5	20-1-12	0	0		Offroad veh	77.01	ne		0	0	0	
Other:	and the last	- LT-LT	Jan.	Service.	games,	Service .		WILD OR DOM Highly Grazi	ed Grass	es	950	9		-		Soll erosion			ren l			_	
			700	0	0	0		Recently Bu	HIGH)	Of L		0	0	0		OR OVERUSE)			-	Ø	0	0	
Other:	Automotive Ser		755	0	0	0		Canopy Recently Bu			d	0	0	0		Other:			-	의	0	0	
Other:			500	0	0	Ö		(BLACKENED)				0	0	0		Other:				이	0	0	No. ales
					18813	Expl		uspect measu lags in comm							gned b	y each field cr	ew.	2	2428	168	304		
HU.	iffer San	npie F	1012	U5/	21/1	TLU	100				80.0	10000										ADDITION.	

Site ID:	11.	21	^	01.	c T	DAT	E:	<u> </u>	-1	1.3120.15	r (initia			
			1000	H100000			7/5	173,000	and the second			Section		
Confirm a	fille	d da	ta bı	ibble i	ndicates presence and an unf	illed I	oubbl	e Inc	licates	absence by filling in this bubl	ole			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
				Start.		H	THE S			Other:	0	0	0	
				22.0	PLOT COORI	DINA	TES	3	TARR.			200	198	
Location of coordinate	della.		in other		sible or at the center of the last								Fla	g
O AA CENTER O N		noo: O S		ne): O E3	O W3	ctical	ole lo	catio	on (flag	and comment below)			J	
							-	-	and the			1000		
I material a	1-41	17		3		Direct.	71.	d. 14	Vant	0- 1/00/		1	Will.	
Latitude N	Vorti	14].[3	0.8.5.5.9 Use Decimal Deg	Lor	gitu NAL	de V 083	Vest	0.8.1.69.2.5	4.			
		14	'!]-[3	Use Decimal Deg	Lor rees;	NAL	de V 083	Vest	0.8. 1.6.9.2.5	4.			
Flag Comments					Use Decimal Deg	rees;	NAC	083			4.			
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Flag Comments					Use Decimal Deg	rees;	NAC	083			4.	ما	dy	
Flag Comments					the state of the s	rees;	NAC	083			4.	ما	dy	1
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Flag Comments					Use Decimal Deg	rees;	NAC	083			4.	ما	rty	

							1									No. 10							
			York				FO	RM B-1:	BUFF	ER	SAI	MPL	E P	LO	TS (F	ront)		Review	wed by	(initial):		
Site	ID:	113	36	B	P	~ (W								DAT	E: 08	1 13	3/	2	0	T.	5	
Location		7,,				1	TO ASS	TO SHE	Fill	in b	ubb	le(s) if p	olot(uld not be		_				_	T
OAAC	Center	C	N	0	S	01	E Ø	W	OP			(Ching)	Plot	riddin.	STATE OF THE PARTY.	Plot 3							
									Buffer						_								
Fill in bubble Strata Section	es for all th on: Fill in a	nat app approp	ply: Ca priate c	cover	Type: class	D = D	Jeciduou e for eac	is, E = Evergre h strata type fo	en. Leaf T or each plo	ype: E	3 = Bn Abser	padlea nt; 1 =	f; N = Spars	e(<10	le Leaf. %); 2=M	Absent: No tred loderate(10-40)	e canopy. %); 3 = Hea	avy (40)-75%)	; 4 = \	/ery H	eavy ((>75%)
Buffer	Canop	у Тур	не: 📀	0) A	bsen	it: O	Buffer	Canopy	у Тур	e: 🥝	0) A	bsen	t: O	Buffer	Canopy	/ Тур	e: 🕖	0) At	sent	: O
Plot 1	Lea	f Typ	e: 🖲) (5		Flag	Plot 2	Lea	f Typ	e: (9 (5		Flag	Plot 3	Leat	f Тур	e: 6	0	,		Flag
Big Trees (>	0.3m DBH)	0	0	0	0	0		Big Trees (>	0.3m DBH)	0	0	0	0	0	-	Big Trees	(>0.3m DBH)	0	0	0	0	0	
mall Trees (<	:0.3m DBH	0	0	0	0	0		Small Trees (<0.3m DBH)	0	0	0	(2)	0		Small Trees	(<0.3m D8H	0	0	0	0	0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	(0	0	0		Woody Shrubs (0.5m-	s, Saplings +5m HIGH)	0	(b)	0	0	0	1 -		ibs, Saplings m-5m HIGH)		0	0	0	0	
Woody Shrubs (<0.	Saplings 5m HIGH)	0	0	①	0	0		Woody Shrubs (<0)	s, Saplings).5m HIGH)	0	0	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)		0	0	0	0	
Herbs, F	orbs and Grasses	0	9	0	0	0		Herbs, F	orbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0	@	0	0	0	
Bare	ground	0	(b)	0	0	0		Bare	ground	0	0	0	0	0		Bar	e ground	0	0	0	0	0	
Litt	ter, duff	0	0	0	0	1		Lit	ter, duff	0	0	①	0	0		L	itter, duff	0	0	0	0	0	
	Rock (1) (1) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4					0	-		Rock	(8)	0	0	0	0		-	Rock	(a)	0	0	0	0	
	Water (1) (1) (2) (3) (3) (4) (5) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7					0			Water	a	Ō	0	0	0			Water	0	Ō	0	0	Ō	
	Water () () ()					0			ibmerged egetation	<u>a</u>	0	0	0	0			Submerged Vegetation	0	0	0	Ō	Ō	
	Water							·					ce an	_	unfilled			1 7		-	_	_	0
Resid	dential	and	Urba	an S	tres	sors	8-11	A SECTION	Hydrolo	gy S	tres	sors					Agricult	ural (& Ru	ral S	tres	sors	
ill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if prese	int - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - P	lot	1	2	3	Flag
Road - gra	ivel			0	0	0		Ditches, Ch	nanneliza	ition		0	0	0		Pasture/Ha	у			0	0	0	
Road - two	lane			0	0	0		Dike/Dam/F		Bed		0	0	0		Range				0	0	0	781
Road - fou	r lane			0	0	0		Water Leve		Stru	cture	0	0	0		Row Crops		J. H	O)	0	0	0	
Parking Lo	t/Pavem	ent		0	0	0	18	Excavation	, Dredgin	ığ		0	0	0	133	Fallow Field	(RECENT-	RESTI	NG	0	0	0	
Golf Cours	e	Meluli		0	0	0		Fill/Spoil Ba				0	0	0		Fallow Field SHRUBS, TRE		ASS,		0	0	0	
Lawn/Park				0	0	0		Freshly Der		iedim	ent	0	0	0		Nursery		MI		0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/R	toot Expo	sure	yes.	0	0	0	1	Dairy				0	0	0	
Urban/Mult	tifamily			0	0	0		Wall/Riprap)			0	0	0		Orchard	Tariff.			0	0	0	
Landfill	100		-115	0	0	0		Inlets, Outle				0	0	0		Confined A	-	ding		0	0	0	
Dumping		ii		0	0	0		(EFFLUENT OI	RSTORM			0	0	0		Rural Resid	lential			0	0	0	
Trash				0	0	0		(SHEETFLOW)		niput		0	0	0		Gravel Pit				0	0	0	
Other:			mileto andro	0	0	0		Other:			- 6	0	0	0		Irrigation				0	0	0	
Other:				0	0	0	100	Other:			-	0	0	0		Other:				0	0	0	
Indus	trial De	evelo	pme	ent S	tres	SOL	š					ŀ	łabit	tat/V	egeta	tion Stress	OFS						
ill bubble	If prese	nt - F	'lot	1	2	3	Flag	Fill bubble i	if presen	ıt - P	lot	1	2	3	Flag	Fill bubbl	e if prese	ent - f	Plot	1	2	3	Flag
Oil Drilling	1 2 110			0	0	0		Forest Clear	Cut			0	0	0		Herbicide U	se	1		0	0	0	
Gas Wells		III		0	0	0		Forest Selec	tive Cut			0	0	0		Mowing/Shr	ub Cutting			0	0	0	
Mine (surfa	ice)	70.1		0	0	0		Tree Plantati				0	0	0		Trails				0	0	0	
Mine (unde	erground)		0	0	0		Tree Canopy (INSECT)	/ Herbivo	ry		0	0	0		Soil Compar (ANIMAL OR HI		The state of		6	0	0	
Military		In Kill		0	0	0		Shrub Layer (WILD OR DOME				B	0	D		Offroad vehi	7070	ge		0	0	0	
Other:			TE .	0	0	0		Highly Graze	ed Grasse	es	31	O	0	0		Soil erosion OR OVERUSE)		D, WA	TER.	0	0	0	
Other:			18	0	0	0		Recently Bur Canopy	med Fore	≥st		0	0	0		Other:				0	0	0	
Other:	CONTRACTOR SHOWS	LOUBE	TED	0	o	o		Recently Bur (BLACKENED)	med Gras	sslan	d	0	O	0		Other:				0		0	
	g codes:	K = N	o mea	50	ment	made	, U = St	spect messu	rement., I	F1,F2	etc.	= misc	c. flag:	s assi			ew.					1	10
1 1 1 1 1 1			350		100	Expl	ain all ft	ags in comme	ont section	s on t	he ba	ck of t	his fo	ern.		CONTRACTOR		2	:428	168	304		

Buffer Sample Plots 05/27/2011



FO	RM	B-1	l: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TEC	ALI	EN SPECIES (Back) Reviewed by	/ (initlal	I):	lei	
Site ID:	1)	31	o E	BPL	NCW	DAT	E: _(3.0	<u>.</u> ,	131 2015				
© Confirm	a fille	ed da	ıta bı	ubble i	ndicates presence and an unf	illed	bubbl	e inc	licates	absence by filling in this bubl	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoll	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		Chealgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
				LEAN TO					181	Other:	0	0	0	
	pints)	Marie I	Sadya	VIII S	PLOT COOR	DINA	TES	700						- 17
O AA CENTER O N		os h		O E3		Lor	ngitu	de V		and comment below)	.2.			
Flag Comments														
Buffer Sample B	Points	s - Ta	rgete	ed Alier	Species 05/27/2011					790	6662	354	8	•

Site	ID:	113	5/a	ام	C	<	FO	RM B-1:	BUFF	ER	SAI	MPL	ΕP	LO	1	ront)	1 13	NAME OF	wed by	-			•
Locati		11.	שנ	W		2			EIII	in h	udhb	lale	l if e	lat/		uld not be		_		_		2	
OAA			N	0	2	0	E C	w	1100 450	Plot			Plot			Plot 3	s sampi	eu a	na n	ay .			
UAA	Senter	6 0	14	44	3	0	<u> </u>		Buffer		-/-			- / 1	-	FIOUS						_	
Fill in bubble Strata Section	es for all t on: Fill in	hat ap approj	ply: Ca priate (cover	Type: class	D = (bubbl	Deciduou e for eac	ıs: E = Everare	en Leaf	voe: E	3 = Bn	oadlea	f: N =	Needl	e Leaf	Absent: No tre loderate(10-40	a canopy. %); 3 = Hea	evy (40)-75%)	; 4 = \	/ery H	eavy (>75%)
Buffer	Canop					bser	ı: O	Buffer	Canop	у Тур	e; 🍕	0) AI	bsen	<u> </u>	Buffer	Canopy	/ Тур	e: 📵	0) Al	sent	: O
Plot 1	Lea	If Typ	e: 🍕) (기_	1=	Flag	Plot 2	Lea	f Typ	e: 🤇) (Flag	Piot 3	Lea	f Typ	e: @	(C			Flag
Big Trees (>	•0.3m DBH	(C)	0	0	0	0		Big Trees (>	0.3m DBH)	0	@	0	0	<u> </u>		Big Trees	(>0.3m DBH	0	0	<u> </u>	<u>0</u>	0	
Small Trees (<		1	0	0	@	0		Small Trees (1	\odot	\odot	(a)	<u>O</u>		Small Trees		\sim	0	0	(3)	0	
and the second second	-5m HIGH)	U		0	0	0		Woody Shrub (0.5m	s, Saplings -5m HIGH)		0	0	①	0			ibs, Saplings im-5m HIGH		(2)	0	0	0	
Woody Shrub: (<0.	s, Saplings .5m HIGH)		0	3	0	0		Woody Shrub	s, Saplings .5m HIGH)		0	0	0	0	1 46	Woody Shru	bs Saplings :0.5m HIGH)		0	0	0	0	
Herbs, F	orbs and Grasses	0	(a)	0	0	0		Herbs, I	orbs and Grasses		0	0	0	0		Herbs,	Forbs and Grasses		0	0	0	0	
Bare	ground	0	0	(9)	0	O		Bare	ground	0	0	0	0	0		Bar	e ground	0	0	②	0	0	
Lit	ter, duff	0	0	6	0	O		Lit	ter, duff	0	0	0	(4)	0		L	itter, duff	0	0	①	(0	
	Rock	0	0	0	0	0			Rock	a	Ō	9	0	Ō			Rock	0	Ö	Ō	Ō	히	
	Water	0	Ō	0	0	0			Water	0	$\tilde{\odot}$	0	ŏ	$\overset{\smile}{\odot}$			Water	0	Ö	ŏ	ŏ	ŏ	
	ıbmerged		Ō	0	0	<u></u>			bmerged		ŏ	ŏ	ŏ	ŏ			Submerged	0	ŏ	0	$\frac{\circ}{\odot}$	ŏ	
	egetation or Pres	_				Conf	irm that		egetation bubble i	-			_	_	unfilled	bubble indic	Vegetation cates abse	_		_	_		<u>a</u>
	dential			-				100 000 000	Hydrold							T .	Agricult		-		-	-	
Fill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if presi	ent - I	Plot	1	2	3	Flag					1	2	3	Flag
Road - gra	evel			0	0	0		Ditches, Cl	L INTE	-		0	0	0		Pasture/Ha	Trial laboration in the			0	0	0	
Road - two		138		0	0	0	 	Dike/Dam/	Road/RF			0	0	0		Range				ŏ	0	o	
Road - fou	ır lane			0	0	o		Water Leve		Stru	cture		o	0		Row Crops	1 155	0.77		0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation	. Dredgi	ng		0	0	0	300	Fallow Field	d (RECENT-	RESTI	NG	0	0	ŏ	
Golf Cours	50		W. E.	o	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field	(OLD - GR	ASS,		ŏ	0	o	
Lawn/Park	(N.		ō	O	O		Freshly De		Sedim	ent	o	O	O	W 6	SHRUBS, TRE	ES)			Ö	0	ō	
Suburban	Resider	itial		O	O	0		Soil Loss/F		osure		O	0	0		Dairy	To a Series	201		o	O	o	
Urban/Mul	ltifamily			O	O	0		Wall/Ripra	0			ō	0	0		Orchard				o	O	o	
Landfill				0	0	0		inlets, Outl	ets			o	0	0		Confined A	nimal Fee	eding		ō	0	O	
Dumping				0	0	0	1	Point Soun		WATER	1	0	0	0	in a	Rural Resid	lential			0	0	o	
Trash		u.ir.	115	O	0	0		Impervious	surface	input		0	0	0	LIL.	Gravel Pit				ŏ	0	0	
Other:				0	0	0		Other:		ere noused		0	0	0		Irrigation	1000			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:				0	0	0	
Indus	strial D	evelo	opmo	ent S	tres	sor	5	200300		1990		ŀ	labit	at/V	egeta	tion Stress	ors						
Fill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt- F	lot	1	2	3	Flag	Fill bubb	le if pres	ent - l	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear	Cut			0	0	0		Herbicide U	se			0	0	0	3
Gas Wells				0	0	0	-	Forest Selec	tive Cut			0	0	0		Mowing/Shr	ub Cutting			0	0	0	
Mine (surfa	ace)		100	0	0	O		Tree Plantal				0	0	0		Trails			1	0	0	0	
Mine (unde	CONTRACTOR OF THE PARTY OF THE	n .		0	0	0		Tree Canop		ory		0	0	0		Soil Compa				0	0	0	
						-	,	(INSECT) Shrub Layer	Browse	В	-	Approximately	-	-		(ANIMAL OR H	MANUFACTURE.						
Military			- 100 t	0	0	0		(WILD OR DOM Highly Graze	ESTIC)			0	•	•		Offroad veh Soil erosion			TER	0	0	0	
Other:			100	0	0	0		(OVERALL <3" I	IIGH)			0	0	0		OR OVERUSE)	A STATE OF THE REAL PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE REAL PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF TH			0	0	0	
Other:				0	0	0		Canopy			4	0	0	0		Other:			_	0	0	0	
Other:			No.	0	0	0		Recently Bu (BLACKENED)	neo Gra	ISSIAN	u	0	0	0		Other:	-			0	0	0	
1000	eg codes offer Sar	No.	Samuel	911	ment /27/2	Exp		uspect measu lags in comm							gned b	y each field cr	ew.	2	2428	168	304		

Confirm a	fille	d da	ta bu	ıbble in	dicates presence and an unfi	lled t	dduc	e ind	licates	absence by filling in this bubl	ole			
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	ō	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
										Other:	0	0	0	
		CATO BY			PLOT COORE	INA	TES		a Sala		400			100000
if Buffer Plot 3 can not be acc Plots are centered on the Buff lag box, and describe where the either placed as close to the co Location of coordinate	esse er Tr the co ente	d, tal anse cordi r of F	ke thects a nate: Plot 3	e coordi and the o s were t as poss ne):	inates at the nearest practicable coordinates will indicate the locaken and why in the comment sible or at the center of the last	ation section acce	of the	tran: ow. T Buff	sect. Fi he coo er Plot.		ation"	pubb	le, fill	l in the be
Plots are centered on the Buff flag box, and describe where (either placed as close to the c Location of coordinate O AA CENTER O No	esse er Tr the co ente s (cl	d, tal anse bordi r of F	ke thects a nate: Plot 3	e coording the swere to as possine): O E3	inates at the nearest practicable coordinates will indicate the locaken and why in the comment sible or at the center of the last O W3 O Nearest pra	ation section accer ctical	of the	tran: ow. T Buff catio	sect. Fi he coo er Plot. on (flag	Il in the "nearest practicable locardinates of the nearest practical	ation" de loc	pubb	le, fill can l	l in the be
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FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)