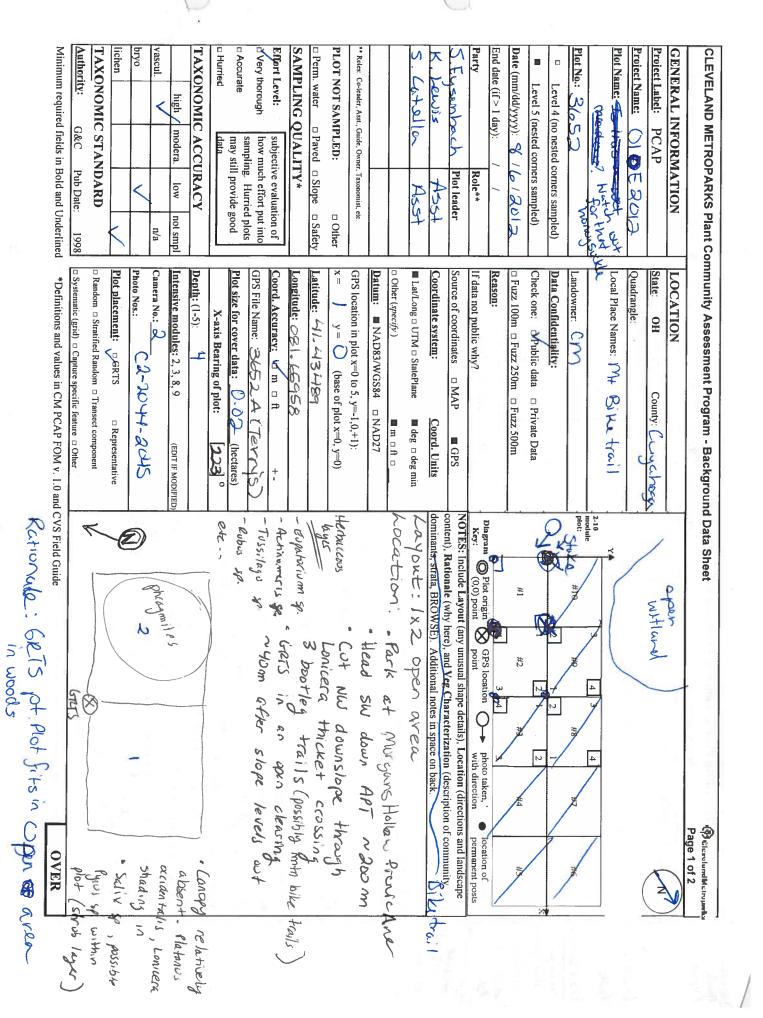
CLEVELAND MET	ROPARKS Plant Community Assess				***Clevelant	t Metroparks
Project Label:	PCAP	_ Plot No	369 r	Date Sampled: 8	6-12 Le	ad: Tysenbo
				Comment required if	f item answer is l	NO.
Parking/Access outsid	de of Park Boundaries:	Y (N)		details in Comments		10
Field journals comple		W N	II yes, write t	ictaris in Comments	Section below	
Site sketch made on 1		Y) N				
Check cover page	X-axis Bearing of plot recorded	Y) N			- 5-5-5	
Check cover page	GPS coords. Recorded	YN				
	North direction recorded	N				
	Photographs taken?	N N				
Plot No. Date agreen	HI THE IV. HE HEREING I	CY) N				
Plot No., Date agreen		(Y) N				
Header data complete	d an pages? d in all Intensive modules					
Browse Level By Spe	,	C Y N				
Woody stem quality of		N N				
Invasive plant quality	control check	Y N	NIK			
Ash trees mapped		Y N	NIA			
Cover by Strata? (con		N N				
	with matching plot #.	Y N				
	latasheet with initials and number	N			_	
Vouchers labeled on o	collection bag	V N	0		V	
Pink flags removed		Y AV	Corn	e Richec	<u></u>	
Data sheet QA before		Y N				
Common equipment r	eturned to tub.	Y N				
Data sheets scanned?		8-9-12				
Final data sheets scan		1-/-	Enter date to			
Buffer Widths measur	ed?	(Y) N	8-22	-12 18		
Web Soil Survey		Ø N	8-9-1	2 OP		
Voucher Location	Refrigerator	Y N				
(# vouchers collected)	Press (#)		Enter number	to left		
Sek in	Drier	YN	3.00			
24 (D)	Identified	Y N				
10001	Mounted	Y N				
	Thrown away	Y N				
GRTS point verificat	tion: Is plot sampleable?					
Yes Yes	Original GRTS point is sampleable					
□ No	Original GRTS point lands in a non-s	ampleable area (f	ill in category	pelow)		
	□ Point falls in a water (i.e. river, la	-				
	☐ Managed mowed area (i.e. golf c	ourse, picnic area, rigi	nt-of-way)			
	Paved area (i.e. parkinglot, road)					
	Unsafe to sample (i.e. steep slope) Other					
Additional Comment				1.55		
Additional Comment	S:					



Very Cher No compy Natural Resources Mangement FORM NR/2010-01a Star Jaky

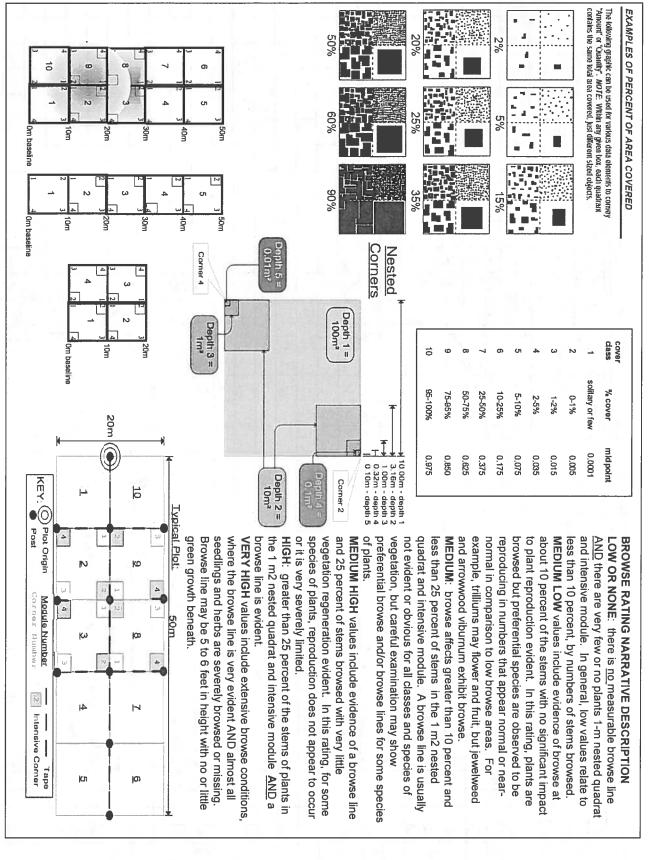
						, A	ć	Doc burns	2000	Tupotoriums,	Axxx	Splickers	(a) tespect	the stem to	Wat Cilbidow	h	806	boos:			Cup plats		Down
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.) Strenge plot found in an opening in the woo near a large wetland. The plot had phrag phragmits in the woo phragmits in the woo phragmits in the woo phragmits in the phragmits had phrag phragmits plot. Since there are browse was evident on the Joe-pye-weed, the of post year browse on bush honeysuckles. So the multitural phragmits, Rhumm's carthety was multitural phragmits, Rhumm's carthety	(by default unless plot is a wetland)		Dipland (n/a)	a Fresh	□ Brackish	o Saltwater	SALINITY*			Lipoto ついっち Conspicuous inclusions or Irregular/pattern mosaic		HOMOGENEITY			Not Morals	COMMUNITY NAME:		ROL CENTION W/COMIN	CODE (on separate form): Neget to	MODIFIED NATURESERVE CLASS*	Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	
on the Joe-Pye- waes on Bush honey-well mites, Rhumm's Can		□ Temporarily flooded	□ Occasionally flooded (<1/yr)	(dry <1/yr, seldom flooded)	□ Permanently/Semipermanent. saturated	(seldom flooded)	sylntermittently/seasonally saturated	□ Upland (seldom flooded)	HYDROLOGIC REGIME*	n mosaic	□ Compositional trend across the plot		Millery Throngon X			-		~/Comia	Fit=Conf=		PCAP	nmunity Assessment Program - Bac	
phraymbs in m phraymbs in m ce plants were are woodlard : el, the roses, the es. Sawal invasi	□ Unknown	(e.g. wind, storms)	☐ Tidal/Seiche flooded irregular	☐ Tidal/Seiche flooded monthly	□ Tidal/Seiche flooded daily	□ Permanently flooded	□ Semipermanently flooded	☐ Intermittently flooded		Former Land Use:	Current Land Use: P.	**L=low, ML=med low, l	Other	Animal MH	Cut	Fire	Natural	Human 3	type* severity** y	DISTURBANCES	Project Name: DLOE 2012	ckground Data Sheet	
Strange plot found in an opening in the woods at the buse of a steep slope and phraymites in mod 2 but no other evidents recognitis in mod 2. The plot had phraymites in mod 2 but no other evidents phraymites in mod 2 but no other evidents of the classifying this plot. Since there are plants were found. I have a hard fine classifying this plot. Since there are woodlard species present us well them. I browse we evident on the Joe-Pye-weed, the roses, the elm spectures including of past year browse on bush honeysuckles. Several invasings were found including hose multitural phraymites, known a carthetic and bush honey suckles.										UNKNOWN	Park	ML=med low, M=med, MH=med high, H=high, VH=very high		O los Der Bouse				D 100 Classin soil pit	yrs ago % of plot description	X 04.0	Plot No.: 3652 Pa	(Palureland Muirquetta	А
Je Christ																		g.			Page 2 of 2	strupundica	

6 75 20 % S 20 %

<u> ۲</u>	CLEVELAND MI Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a	n ent Program Speci i Project name:	es Cover Data Si	<u>P</u>	3652	P	Page of V	
T _O	Total modules:	N	Intensive modules:	Plot co	Plot configuration:	× 9	Plot area (Plot area (ha): O.O.Q	14
	>		1	mod corner mod corner	mod comer	mod corner mod corner	mod corner mod	mod corner mod corner mod corner mod corner	comer
	8	Br = Browse Level. Use cover classes to	intensive module:	depth cov depth cov	depth cov	depth cov	depth cov depth	cov depth cov depth	th cov
ຂັດ	Cieveland	describe amount of browse per species over	%open water) 0	0		. 4		
-	or the Charles	entire plot	%unvegetated open water	+	3				
Stra	Strata - Cov. entire plot	ot	%unveg. ground (bare soil) %unveg. litter (bare litter)	00	00	<u> </u>			
-1	S H (F)(A) Вг	Br Species	c Voucher#	depth cov depth cov	v depth cov depth	cov depth cov depth	cov depth	cov depth cov depth	lh cov
Uī		Platanus		4	V				$\overline{}$
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	ري ا ا	Cirsium muticum		(v	2				
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_				4					-

	Project Label:	Project Label: PCAP Project name: (YOE)	nent Program Speci Project name:	rogram species Cover Data Snee Project name: (ソ Oモ 201 ユ	et 2a Plot no.: 3652	Page of S	ı
	Total modules:	4	Intensive modules:	2 Plot configuration:	guration: XA	Plot area (ha): O·O	
	©		Estimate for each	mod comer mod comer	mod corner mod	comer mod comer mod comer mod comer mod comer mod comer mod	come:
	Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	intensive module: %open water	depth cov depth cov	depth cov depth cov depth	cov depth cov depth cov depth	dh cov
	Synerioneen	entire plot	%unvegetated open water				
	Strata - Cov. entire plot	ot	%unveg. ground (bare soil) %unveg. litter (bare litter)				
	Т S H (F)(A) Вг	Br Species	c Voucher#	cov	depth cav depth cav depth	cov depth cov depth cov depth cov depth	Sh cov
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(Junus tenuis					
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	τ	Agrimonic parvitipos		- \(\omega\)	2		
		Tricaron philadelphilus	5				
	82	Phragmites australis			20 W		
	60	Eupertarium pofulation			بر		
Tees 3	211	9 Rubus Sp		2 7	٦		

Natural Resource Management FORM NR/2010-02a



CLEVELAND ME	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a	nent Program Spe	cies Cover Dat		0 1)	Page	e 3 of 3	٣
Project Label:	PCAP	Project name: \(\)	r	E AO PI	Plot no.: Ship	N.			
Total modules:	يو	Intensive modules:	2)	Plot configuration:	1×7	P	Plot area (ha): O.O.	0.62	
€	Br = Browse Level. Use cover classes to	Estimate for each intensive module:	mod corner mod	comer mod comer 2 2 4 h cov depth cov	mod carner	cov depth	cov depth cov	er mod corner	mod corne R R depth cov
Metroparks	describe amount of browse per species over entire plot	%open water %unvegetated open water %unveg. ground (bare soil)	<u></u>				4 4 -		
		%unveg. litter (bare litter)	ar) 1	1	1		-		
7 S H (F)(A) Br		c Voucher#	depth cov depth	h cov depth cov	depth cov depth	cov depth	cov depth cov	/ depth cov	depth cov
Ŧ	S CWA			-)	-		+	
C	15 () mus sp. (Spalling)				2 1				
	9				42				
6	Flownanus umballata			-					
نع			_	<u> </u>					
-	E-11584 On Sonous			_					
e)	5			1 2					
42	Solidago caradensi,								
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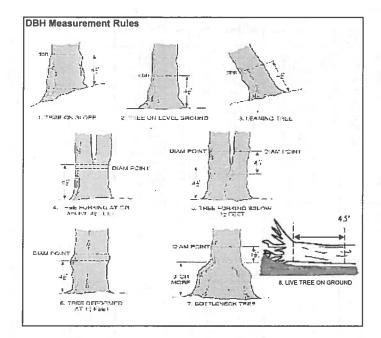
Intensive Corner

K

H

100

	CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	Community	Assessm	ent Pro	gram I	Vatural V	Voody S	tem Dat	a Sheet	.			-	- [Cievel	Oleveland Metropaiks
		Project Label: Projec	PCAP	'	Project	Name:	Project Name: 0/0E-20/2	20		Plot No.: 3657	365)^0	Page:	-	으	-	
				_		#	size class (cm) woody stems >1.4m	(cm) wood	y stems >1	.4m							
	mod #	species	voucher#	0-1.4m browsed	or super	shrub	94 -	1-<2.5	2.5-<5	5-<10	5 10 - <15	6 15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	35 - <40	11 >40 (record each tree
_	1	Lonicera maack	-,-			:1									VI		
	1	~ .		•		•											
5	1	Rubus occidente	alis	9		•			:						•		
	1	Salix sp.					•										
	1	Rubin Sp.				b											4
1	j	Vitis Sp. Viparia &	t-at-ia	•													
	_	Rubus Rosa		6		•											
-	1	Comus sp.		8													
-	N	Rubus sp.				00											
-	2	Salix Sp.					•										
-	73	10	umballata							•							
	2	Toxicodendon	adicar	s.													
G	N					X											
1	N	Rubora Rosa		•		•											
-	is	Lonicera maackii	2:			Z			,								
~	نح	Rubus occidentalis	eis	9		•											
_	7	Lonicea morronii	3:			•											
-	2	Rusa multifloca		9													
	13	Rhamnus cathartica	0.00			•											
		4															
									504								



Woody Stem Deer Browse

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

Record using the tally system from 1 to













ASH CANOPY CONDITION

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



В

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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.

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



								Als creases	ятка инекторалк: —
Tier 1: Earl	y detection,	/ Rapid response		被照	Pres	ence	1000	GPS	
			OGE I PR	NE	SE	SW	NW		Presence
Microstegium vimineum	W-1.700-114-15-15-15-16-16-16-16-16-16-16-16-16-16-16-16-16-	Japanese stiltgrass							X: yes
Ranunculus ficaria		Lesser Celandine						· · · · · · · · · · · · · · · · · · ·	
Cynanchum louiseae	(vine)	Black Swallow-wort							
Butomus umbellatus	(wetland)	Flowering Rush			<u> </u>				
Heracleum mantegazzianı	ım	Giant Hogweed							
Tie	r 2: Assess a	s Needed			# of	Plants		comments	
		A CONTRACTOR SALE		NE	SE	SW	NW		# of Plants
Acer platanoides		Norway Maple							1: 1-10
Ailanthus altissima		Tree of Heaven						v	2: 11-50.
onicera japonica	(vine)	Japanese Honeysuckle	е	12	1.7	42	·		3: 51-100
Lythrum salicaria	(wetland)	Purple Loosestrife							4: 101-1,00
Aegopodium podagraria	(G-cover)	Bishop's Goutweed							5: >1,000
Celastrus orbiculatus	(vine)	Asian Bittersweet			. 1				
Torilis sp.		Hedgeparsley							
Conium maculatum		Poison Hemlock							
Rhamnus cathartica		Common Buckthorn	(shrub)	1	• 1				
Berberis thunbergii		Japanese Barberry	(shrub)						
Alnus glutinosa		European Alder			Ī				
Dipsacus laciniatus	T	Cut-leaf Teasel							- V 1
laeagnus umbellata		Autumn Olive	(shrub)	1					7
onicera maackii		Amur Honeysuckle	(shrub)	5	5	5	5		- 9
uonymus fortunei		Wintercreeper			- T				1
The state of the s	: Presence is	s of Interest	No.	200	# of	Plants		comments	
				NE	SE	sw	NW		# of Plants
Convallaria majalis	(G-cover)	Lily of the Valley							1: 1-10
Coronilla varia		Crown Vetch			•4				2: 11-50.
Eleutherococcus pentaphy	/llus	Five-leaf Aralia	(shrub)						3: 51-100
Pachysandra terminalis		Japanese Pachysandra	a						4: 101-1,00
Philadelphus coronarius		Mock Orange	(shrub)						5: >1,000
Pulmonaria officinalis	(G-cover)	Lungwort						* ***	
Rubus phoenicolasius		Wineberry							7
ris pseudacorus	(wetland)	 							٦
Ornithogalum umbellatun	 `	Star of Bethlehem							
/iburnum opulus var. opu		European Cranberry	(shrub)	1					
/iburnum plicatum		Doublefile Viburnum	(shrub)	ľ					7
	Videspread :	and abundant			Pres	ence	200	comments	
				NE	SE	sw	NW		Presence
Alliaria petiolata		Garlic Mustard		02	.4	1			X: yes
igustrum vulgare		Common Privet	(shrub)		1			***	7
morrowii, L. tatarica		Bush Honeysuckles	(shrub)	• 1					1 _
Phalaris arundinacea		Reed Canarygrass	(<u> </u>					7
Phragmites australis	(wetland)	Phragmites				5	.145		7
Polygonum cuspidatum	(2000010)	Japanese Knotweed				*		 	7
rangula alnus		Glossy Buckthorn	(shrub)	• 1		<u> </u>		,	7
Rosa multiflora		Multiflora Rose	(shrub)	-2	2	T	1		┪
Typha angustifolia, T. x.gla	uca	Cattails (wetland)		├∼	1~	<u> </u>			┪
Cirsium arvense	acu	Canada thistle			11	1			7
Dipsacus fullonum		Common Teasel			 	1			┪
Hesperis matronalis		Dame's Rocket	· ·		 	-			-
	IG cover)	Periwinkle		-	-		$\vdash \vdash$		┨
Vinca minor	(G-cover)	renwinkie					oxdot		

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

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet 23 22 8 Tree 25 24 2 20 19 17 13 16 5 12 ð * If Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m≥ x ≥1.5m
Woodpecker and epicormic marked present (1) or absent (0) Ash Project Label: PCAP Voucher# Project Name: 010E2012 (cm) DBH (B) condition condition Ash *Dead ASH Only

Exit Epicornic present # Exit INTENSIVE MODULES ONLY Plot No.: 3657 Date: 8/6/17 Woodpecker holes Baseline Map all ash trees ≥10cm in each module using Tree ID number *** Change intensive module numbers when necessary TREES ≥ 10CM ONLY Page: 1 of 2

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: O RE2012 30

Plot No.: 3652

(P. Discontant d Mediupantan Page: 1 of 1

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

STANDING BIOMASS (required for emergent wellands); collected in 0.1m clip plots (32x32 cm) from comers 1 and 3 in each intensive collected module. Required for VIBI-E score calculation. C?=check when

-	Ś	ی	ľ	Modułe #
		4	` <	C7,
		-	_	Corner
		Ü	(vi	Corner

CLASSIFICATION		
(FIT * excellent, g Fit and Confidence		
Hydroreomorphic class (WETLANDS ONLY):		
DEPRESSION	Fit=	Conf=
a IMPOUNDMENT a Beaver a Human	Fit=	Conf=
o RIVERINE o Headwater o Mainstem o Channel	 	Conf=
SLOPE (ground water hydrology or on a physical slop)	Fit	Conf=
n FRINGING in Reservoir in Natural Lake	FIF	Conf=
COASTAL (specify subclass)	프 	Conf=
BOG (strongly, moderately, weekly ombrotrophic)	File	Conf=
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	:CX	
□ FOREST □ swamp forest □ bog forest □ forest seep #EMERGENT □ marsh -sweet meadow □ open bog	프 <u>포</u>	Conf=
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	File	Conf=
	j	C 0011

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Nope 1 = slight elevational grade across module (hill) anks for microhabital features. Select one or select two and sverage the score.NOTE: If mod falls on a slope automatically gets ranked based 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 wetland
- feature is present in the wetland in very small amounts or if more common, of low quality
- feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality
- 10 feature is present in moderate or greater amounts and of highest quality

NOTE: tu				2		mod#						
ssock and hummo						corner						
ks are counted in 8 arth Surface Data s				0	в	(count)	lxlm	depth 3		tussocks	no. of	
NOTE: fussock and hummocks are counted in BOTH nested quadrat comers but counts are aggregated.				Ø	Ø	(count)	3 16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no, of	
ners but counts are of S				5	67	(count)	10x10m	depth 1		depressions	no. macro.	
aggregated.				0	0	(count)	10x10m	depth 1		(2-12 cm)	c,w,d	c.w.d coun
BB				0	0	(count)	10x10m	depth 1		(12-40cm)	c.w.d	t for pieces with
8 B				0	0	(count)	10x10m	depth I		>40 cm	c.w.d	c.w.d count for pieces with minimum 1m length
	=====			B	W	(rank)	10x10m	depth 1		interspers.	microhab.	
0 B				0	0	(rank)	10×10m	SLOPE			microhab.	

WAR

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

+270 degrees

8

+225 degrees

WS

eve of person standing - 10 m

recorders eye to angle from

away

+315 degrees

¥

+135 degrees +180 degrees

SE

S

+45 degrees +90 degrees

NE.

plot to the horizon TSI is

LFI is angle of

local slopes. For TSI measure angles formed by At aspect

z

ł	4	+	2	Module	
	7	76	19	z	
		31	73	s	
		8	52	e	
		24	25	w	

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

ł	4	+	2	Module
	7	76	19	z
		31	73	s
		8	52	e
		24	25	¥

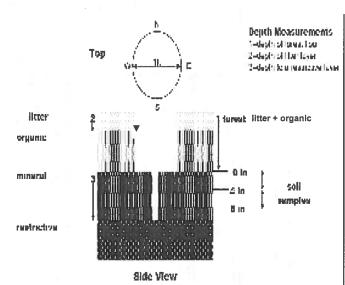
5aCM PCAP Plant Cover_Earth Surface Data sheet Page 1_ver 3.xis last revised 5/29/2012 ceh

COVER BY STRATA

STRATUM	GENERAL FORM
Tree (generally >5 m)	Tree (overstory), very tall shrubs*, liana, epiphyte)
Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, epiphyte)
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Floating	Floating
Aquatic (submerged)	Submerged

*Very tall shrubs are sometimes included in the tree stratum

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



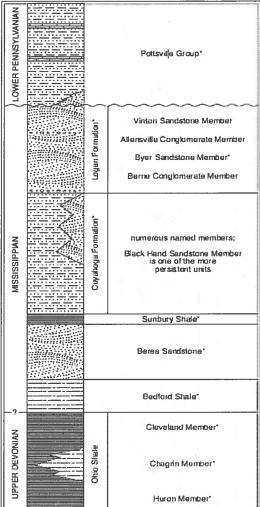


FIGURE 3-20.—Generalized section of Upper Devonian, Misissippian, and Lower Pennsylvanian formations in northeastern Ohio. Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waverty" is used in the older literature to refer to Mississippian rocks in Ozio. Some geologists use the European term "Carboniferous," which encompasses the Mississippian and Pennsylvanian Petrods 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 spectarular massive sandstone that is fairly widespread but discontinuous. See Hyde (1933), Hoover (1986), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

^{**}Can also include seedlings of shrubs, i.e. all shrubs <0.5m

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Plot No.: 3652

Project Name: OF BOE 2012

(Cacycland Metroparks

Page: 1 of 1

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

Soil pit module # 2 (one per entire plot)

	- -	िं	9	×	IB .	20 cm m	3	- -	ि	9	%	13	5 cm m
	redox features*	texture*	oxid roots	mottle C	mottle color	matrix color	hydr cond ***	redox features**	texture* /	oxid roots	%mottle C	mottle color	matrix color 10
1	· ·	=	Y		none	2 YOU	-	*		×		none	\vdash
			N N	1	10	413	S (M) D	2		2		lo	RUM
	-			_			· · ·						

refer to texture classes on reverse side

hydro cond ***

I S (M) D

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

*** Circle one:
I=indundated S=saturated M=moist D=dry Notes: include evidence of earthworms (worms, castings, middens)

Highes in mrow

no castings

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

1, 2 2,3,6,7 composited A	
Web Soil Survey Triformatibus	
Soil Series/Type: OsF-Osthemo	Sandy
Soil Series Source: Ohio Soil Survey	loam
Landform type: Terraces	
Depth to rest. Layer: 780"	
Parent Material Sandy (Loamy ou	twash
DRAISAGE	
□ Excessively dr. □ Somewhat excessively	
W ell drained ☐ Moderately well dr.	
□ Somewhat poorly dr. □ Very poorly dr.	
Impermeable surface	

A11618 AC : SSM

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

=1.1	2]	mod#			
	2 200	Bo.B.	(cm)	organic depth	l litter+	
	they.	18.08	depth (cm)	2 litter	à	
	0	0	(cm)	water depth		
	961	>30	soil (cm)	depth sat		

					•						
**** <5 cm in diameter	*** >5 cm in diameter	**Boulder = > 10 in	* Gravel-Cobble = 1/16-10*	Bedrock	Boulder**	Gravel-Cobble*	Mineral Soil	Histosol	(Sum = 100%)	Underlying Earth Surface*	EARTH SURFACE & GROUND COVER
meter	leter	in	: 1/16–10"	Ø	0	0	100	Ø	percent	Surface*	CE & GROUP
Other	Road/Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm.+ Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	D COVER
	Q	-	Ø	u	0	ນ ເ	Ø	Ø	percent		

(Floating)*	Herb	Shrub	Tree	Strata	COVE
ing)*	3	ь	ä		R BY
<u></u>	₹.5	<u>.</u> S . S	72	Height Range (m)	COVER BY STRATA setimate using midpoints of 5,ex:3, 8, 13
	98	13	w	Total Cover (%)	% ex:3, 8, 13

TRAIL INFORMATION:	
record type and cover for each	ach
Туре	%Cover
□ All Purpose	
o Bridle	****
 Hiking sanctioned 	
☐ Bootleg unsanctioned	T
□ Gravel	
□ Deer	117

Notrails

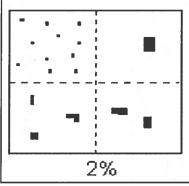
<pre>plot size</pre>	□ 1-3 x plot size	□ 3-10 x plot size	□ 10-100 x plot size	□ > 100 x plot size	□ >600 x plot size	STAND SIZE

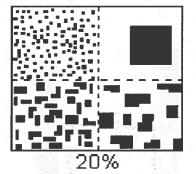
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

** submersed, most plant mass below surface rooted and floating or slightly emersed



Class	Ċ	ode	Criteria: % of
12	Conv.	NASIS	Surface Area Covered
Few	f	11	< 2
Common	c	#	2 to < 20
Many	i m	11	≥ 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.

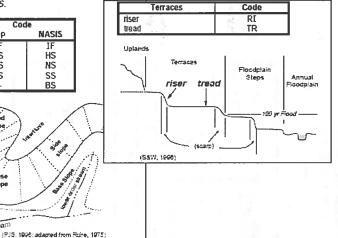
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

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

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

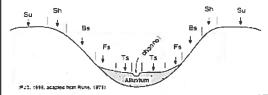
		PDP	NASIS	
	interfluve	IF	IF	
1	head slope	HS	HS	
	nose slope	NS	NS	
ı	side slope	SS	SS	
١	base slope		BS	
		Head slope	and significant to the significa	

higher order stroad



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

Position	Code
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.

								100	N 103919	DOVE -						- 40		50.00				
							RM B-1: BUFFER SAMPLE PLOTS (Front) DATE: 0.8 1 0.6 1 2 0 2 2 Fill in bubble(s) if plot(s) could not be sampled and flag															
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Location:			di se					Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ild not be	sample	ed ar	nd fla	ag -	→		
O AA Cente	r (N	0	S	O	€ 0	W	OF	lot 1		01	Plot	2	OF	lot 3							
Fili in bubbles for al Strata Section: Fill i									ype: B	= Bro	adlea	f; N = I	Needie	e Leaf. A			n. (40-	75% \	4 = V	en He	2201	75%
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Voody Shrubs, Sapling	ıs O	0	<u>3</u>	0	0		Woody Shrubs, Saplings			0	0	0		Woody Shru	ubs, Saplings im-5m HIGH)		ŏ	0	ð	<u></u>		
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Litter, du		0	0	0	0		L.i	tter, duff	0	ŏ	0	ŏ	ŏ		Litter, duff ① ①			-	Ŏ	ŏ	Ŏ	
Roc	+=	0	0	0	0			Rock	0	Ŏ	0	0	$\tilde{\odot}$			Rock	0	ŏ	0	0	Ŏ	-
Wate	+=	+-	0	0	Ō						0	<u></u>	ŏ			Water	Ō	Ŏ	0	<u>0</u>	Ö	
Submerged					ubmerged /egetation	0	Ŏ	(2)	Ŏ	$\tilde{\odot}$			Submerged Vegetation	Ō	Ŏ	<u>o</u> l	<u></u>	Ŏ				
vegenation o o o						rm that		filled data bubble indicates presence and an unfilled bubble indicates absence by							_	Automatical Control		D				
Residential and Urban Stressors							Hydrolo	gy S	tres	sors					Agricultu	ural 8	k Rui	ral S	tres	sors		
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Road - four lane OOO		Water Lev		Stru	cture	0	0	0		Row Crops				0	0	0						
Parking Lot/Pavement O O O		Excavation, Dredging			0	0	0		Fallow Fiel	D)	Selfier.	IG	0	0	0							
Golf Course			0	0	0		Fill/Spoil Banks			0	0	0		Fallow Field SHRUBS, TRE		ASS,		0	0	0		
Lawn/Park		- 38	0	0	0		Freshly Deposited Sediment (UNVEGETATED)			0	0	0		Nursery				0	0	0		
Suburban Reside			0	0	0		Soil Loss/Root Exposure			0	0	0		Dairy				0	9	0		
Urban/Multifamily			0	0	0		Wall/Riprap			0	0	0		Orchard			-	0	0	0		
Landfill		Marie	0	0	0		Inlets, Outlets Point Source/Pipe			0	0	0		Confined Animal Feeding Rural Residential			-	9	0	0		
Dumping			0	0	0		(EFFLUENT OR STORMWATER) Impervious surface input			0	0	0		Gravel Pit			+	0	0	0		
Trash Other:	#11 /400F PH		0	0	0	:	(SHEETFLOW Other:	v)			0	0	0		Irrigation				0	0	0	
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Gas Wells OOO		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cutting	9		0	0	0						
Mine (surface)		Tree Planta	ition			0	0	0		Trails				0	0	0						
Mine (underground)		Tree Canop	y Herbive	ory		0	0	0		Soil Compa (ANIMAL OR H				0	0	0						
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Other: 0 0 0 0 Other: 0 0 0		Canopy Recently Bu (BLACKENED)		asslan	ıd	0	0	0		Other:			=	0	0	0						
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© Confirm	a fille	ed da	ıta bı	ubble i	ndicates presence and an unf	illed	bubbl	le 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 Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	1 1
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	-
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	
		ÉN.								Other:	0	0	0	
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O AA Center	N	0	S	OE	E 0	w	OP				Plot			Plot 3					
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Fill in bubbles for all that apply Strata Section: Fill in appropri	y: Cai iate c	over c	Type: :iass l	D = D bubbie	eciduou for eac	s; E = Evergree n strata type for	en. Leaf T each piol	ype: E :. 0 = .	3 = Bro Absen	adleal t; 1 = \$	f; N = I Sparse	Needi e(<10%	e Leaf. <i>A</i> 6); 2=Mo	Absent: No tre oderate(10-40	e canopy. %); 3 = Heavy (40-75%); 4 = \	/ery H	leavy ((>75%)
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Road - gravel Road - two lane		0	00	0		Ditches, Ch Dike/Dam/R				0	0	0		Pasture/Ha Range	ıy	0	0	0	
Road - four lane	-	0	0	0		(IMPEDE FLOW Water Leve		Stru	cture		0	0		Row Crops		0	0	0	
Parking Lot/Pavement		0	0	0		Excavation,		_		0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0	
Golf Course		0	0	0		Fill/Spoil Ba		3		0	0	0			d (OLD - GRASS,	0	0	0	
Lawn/Park		0	0	0		Freshly Dep		edim	ent	0	0	0		Nursery	ES1	0	0	0	
Suburban Residential		0	0	0		Soil Loss/Re	and the second second	sure		0	0	0	7 13	Dairy		0	0	0	
Urban/Multifamily		0	0	0		Wall/Riprap				0	0	0		Orchard		0	0	0	
Landfill		0	0	0		Inlets, Outle	ets			0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping		0	0	0		Point Sourc		ATER)	0	0	0		Rural Resi	dential	0	0	0	
Trash		0	0	0		(SHEETFLOW)		input		0	0	0		Gravel Pit		0	0	0	
Other:		0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:		0	0	0		Other:				0	0	0		Other:		0	0	0	
Industrial Develop	pme	nt S	tres	sors	3					ŀ	labit	at/V	egetai	tion Stress	sors				
Fill bubble if present - Pl	lot	1	2	3	Flag	Fill bubble i	f preser	ıt - F	Plot	1	2	3	Flag	Fill bubb	le if present - Plot	1	2	3	Flag
Oil Drilling		0	0	0		Forest Clear	Cut			0	0	0		Herbicide L	Ise	0	0	0	
Gas Wells		0	0	0		Forest Selec				0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surface)		0	0	0		Tree Plantati				0	0	0		Trails		•	0	•	1.
Mine (underground)		0	0	0		Tree Canopy		ry		0	0	0		Soil Compa		0	0	0	17-
Military		0	0	0		(INSECT) Shrub Layer		i		6	0	0		(ANIMAL OR H	nicle damage	0	0	0	
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Ouidi		0		0		(OVERALL <3" H Recently Bur	ned For	est			40			OR OVERUSE)	0		0	
Othor			-11	os 311						0	0	0	ı 1	Other:			0	11 L F	0
Other:		0	0	0	-	Canopy Recently Bur	ned Gra	sslar	nd	0	0	0		Other:		0	0	0	-

• FC	RM	B-1	1: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TEI) ALI	EN SPECIES (Back) Reviewed by	(Initial):		
Site ID:	PC:	A PI	0E	365	2	DAT	E: _	0.	g_1_	0.6.1.2.0.1.2				
① Confirm	a fille	ed da	ta bı	ubble ir	ndicates presence and an unf	illed l	oubbl	le inc	dicates	absence by filling in this bub	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	TIME	Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0	Пу	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	, ile
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	1
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	
			O.B.	17,1-3	PLOT COORI	DINA	TES		Sec. 1				DIE!	Marie .
O AA CENTER		OS:	-100 pm	O E3	O W3 O Nearest pra	Lon	gitu	de V		o and comment below)	۵.			
Flag Comments														
		.11.			1 2217 0	- (2	22,00	2001					
1 Deer trai		TV	IVO	ugh	and 2 as	1 a	<u>د</u> .		-					
2 Bootleg i	Δ	!							·····					
									47					
					<u> </u>									
<u> </u>										1 2 3				
			h ,	10	4 10 17									
			-10	100		_					170			_
				()										
Buffer Sample P	oints	- Tar	gete	d Alien	Species 05/27/2011					796	662	354	8	•

			(ii)				FOI	RM B-1: BUFFER S	AM	PLI	E PI	LOT	S (F	ront)	11-11-11	Review	ed by	(initial)	:		•
Site I	D : P	CA	20	Es	365	52							DATE	: D.B.	1 0 6	.1	2	0.	1	بد	
Locatio		MAR		411				Fill in bu	bble	e(s)	if p	lot(s) cou	ıld not be	sample	d aı	nd fl	ag -	→		
OAAC	enter	C	N	0	S	O	E 0	W O Plot 1			Plot			Plot 3							
								Buffer Natur						THE STATE OF				-			
Fill in bubble Strata Section	es for all th on: Fill in a	nat ap approp	ply: Ca oriate d	nopy cover o	Type: class l	D = D	eciduou for eac	s; E = Evergreen. Leaf Type: B = h strata type for each plot. 0 = Ab	Broa Sent;	idleaf	N = I parse	Needle (<10%	e Leaf. A 5); 2=Mo	Absent: No tree oderate(10-40	e canopy. %); 3 = Heav	vy (40-	-75%)	4 = V	ery H	eavy (>75%)
Buffer	Canopy	у Тур	e: 🚱) () AI	bsen	t: ()	Buffer Canopy Type:	(4)	(E)	Ab	sent	: 0	Buffer	Canopy	Туре	: @	Œ	Ab	sent	: ()
Plot 1	Lea	f Typ	e: (0			Flag	Plot 2 Leaf Type:	0	$\overline{\odot}$)		Flag	Plot 3	Leaf	Туре	: (\odot		4	Flag
Big Trees (>	0.3m DBH)	•	0	(2)	0	0		Big Trees (>0.3m DBH)	0	0		0		Big Trees	(>0.3m DBH)	0	0	0	0	0	
mall Trees (<	0.3m DBH)	0	0	(2)	0	6		Small Trees (<0.3m DBH)	- 2	-	0	0		Small Trees	(<0.3m DBH)	0	0	0	0	0	
Woody Shrubs,	, Saplings 5m HIGH)	0	0	(2)	0	6		Woody Shrubs, Saplings (0.5m-5m HIGH)	D	<u> </u>	0	0			ubs, Saplings im-5m HIGH)	0	0	0	0	0	
Woody Shrubs,		0	9	(1)	0	0		111 1 21 1 2 1	-	-	Ō	Ŏ		Woody Shru	bs, Saplings <0.5m HIGH)	0	(a)	0	0	0	
Herbs, Fo		0	0	0	0	0			- 0	Ö	0	Ō			Forbs and Grasses	0	0	<u> </u>	0	0	
	ground	0	0	0	0	0		Glasses		0	<u>0</u>	ŏ		Bar	re ground	0	0	0	0	Ō	
Litt	ter, duff	0	0	0	0	0			_	-	0	ŏ		L	itter, duff	0	Ō	0	0	0	
	Rock	<u>@</u>	0	0	0	0			_		0	$\tilde{\odot}$			Rock	0	Ō	0	0	0	
	Water	(a)	Ö	<u>0</u>	3	0			_	_	0	0			Water	0	_	0	0	0	
	bmerged		0	(2)	0	0		Submerged 🙉 (_	3	0	$\frac{\circ}{\circ}$			Submerged	0	0	0	0	0	
	egetation	enc					rm that	a filled data bubble indicate:					ınfilled		Vegetation		-			$\overline{}$	A
d Land		Lale		000			iiii u iat		01435		e and	J all C	iiiiiieu		Agricultu		190.31	19.50			
	dential	20 mm		an 3			-	Hydrology Str			2	,	Floor					1	2	3	Flag
Fill bubble		ent -	Piot	0	2	3	Flag	Fill bubble if present - Pl	Οί	1	2	3	Flag				OL			IIDEST	1 lag
Road - gra Road - two				0	0	0	2.0	Ditches, Channelization Dike/Dam/Road/RR Bed		0	0	0		Pasture/Ha Range	ıy			0	0	0	
Road - fou	dispurphed			0	0	0		(IMPEDE FLOW) Water Level Control Struct	ure	0	00	0		Row Crops				0	0	0	
Parking Lo		ent		0	0	0		Excavation, Dredging	ui C	0	0	0		Fallow Fiel		RESTIN	NG	0	0	0	
Golf Cours		IGIL		0	0	0		Fill/Spoil Banks		0	0	0		Fallow Fiel	d (OLD - GRA	ASS,		0	0	0	
Lawn/Park	VI APPAREN			0	0	0		Freshly Deposited Sedime	nt	0	0	0		SHRUBS, TRE Nursery	ES)			0	0	0	
Suburban I		tial		0	0	0		(UNVEGETATED) Soil Loss/Root Exposure		0	0	0		Dairy				0	0	0	
Urban/Mult	tifamily			0	0	0		Wall/Riprap		0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outlets		o	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping	1318			0	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER)		0	0	0		Rural Resi	dential			0	0	0	
Trash				0	0	O		Impervious surface input (SHEETFLOW)		O	0	0		Gravel Pit		77	7	0	0	0	
Other:		-10-50		0	0	0	- 84	Other:		0	0	0		Irrigation				0	0	0	
Other:				0	0	0		Other:		0	0	0		Other:				0	0	0	
Indus	strial De	evel	opmo	ent S	Stres	sor	3			Н	labit	at/Ve	egetai	tion Stress	sors						
Fill bubble				1	2	3		Fill bubble if present - Ple	ot	1	2	3	Flag		le if prese	nt - F	Plot	1	2	3	Flag
Oil Drilling	iii picoc			0	0	0	9	Forest Clear Cut		0	0	0		Herbicide U		1000		0	0	0	
Gas Wells				12-36							P491	0						_	0	0	
Gas Wells				0	0	0		Forest Selective Cut		0	0			Mowing/Shi	rub Cutting			0			_
Adime former				0	0	0		Tree Plantation Tree Canopy Herbivory	-	0	0	0		Trails Soil Compa	ction	Y-3 (1)	_3	0	0	9	رلا
Mine (surfa)		0	0	0		(INSECT) Shrub Layer Browsed		0	0	0		(ANIMAL OR H	UMAN)			0	0	0	
Mine (surfa Mine (unde	sigioulia			0	0	0		(WILD OR DOMESTIC)		0	•	6		Offroad veh Soil erosion		-24.55		0	0	0	
Mine (unde	erground							LU-LL On LO													
	sigiound			0	0	0		Highly Grazed Grasses (OVERALL <3" HIGH)		0	0	0		OR OVERUSE		D, WA	TER,	0	0	0	
Mine (unde	erground			200		0				0	0	0		Product State of the control of the state of		D, WA	TER,	0	0	0	

Explain all flags in comment section on the back of this form

Buffer Sample Plots 05/27/2011

Site ID:	PC	AP	DE	- 36	52	DAT	E: (70	1	Reviewed by 0.6 1.2 0.1.2	(initia	i):		
				N I T N						absence by filling in this bubl	ble			
Fill bubble if present - Plot		2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	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	Tol 1	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	1.5-	Common Buckthorn	0	0	0	
Garlic Mustard	0	•	0		Giant Reed	0	0	0	= -700	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	<u> </u>	Leafy Spurge	0	0	0		Other:	0	0	0	-
		10	10							Other:	0	0	0	
			200	SWEET	PLOT COOR	DINIA	TEC		STEEL ST	Mark Control of the C				IB ES
O AA CENTER O N Latitude I		o s		O E3	O W3 O Nearest pra	Lor	gitu	de V		and comment below)	2			
Flag Comments										(2 - 0)				
1 2 mtn. 6	ike	2 -	tro	uils,	one Nand	on	e 5	5	07 -	MSF (2nd)				
2 mtn. bik	<u>Le</u>	+	rai	13	S & Ploterd)				-					
									1					190
					other control of					Karate I I II				
- Total					To all the									
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1 1 1 2		-			30 0 0									- UA
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						1 1	1725	- 0.00	8577		1 (6)			
Buffer Sample P	oints	- Tar	gete	d Alien	Species 05/27/2011					796	662	354	8	

				_								1					
				FOR	RM B-1: BUF								Reviewed by	0,2000			•
Site ID: PCAPO	E3	365	2								DATE	0.8.	10612 sampled and 1	0	1	2_	
Location:					Fil	l in t	ubb	le(s)	if p	lot(s			sampled and t	ilag -	→		
O AA Center O N	0	S	6 E	0	And the second second second	Plot		774	Plot			Plot 3					
Fill in bubbles for all that apply: Ca Strata Section: Fill in appropriate of	nopy over o	Type:	D = D	eciduou for eacl	Buffer s; E = Evergreen. Leaf n strata type for each p	Type: I	3 = Br	padleat	f; N = 1	Needle	e Leaf. A	Absent: No tree oderate(10-409	e canopy. %); 3 = Heavy (40-75%); 4 = \	/ery H	leavy (>75%)
Buffer Canopy Type:) () A	bsen	t: ()	Buffer Canor	у Туг	e: 🛭	0 () At	sent	: O	Buffer	Canopy Type:) () At	sent	: O
Plot 1 Leaf Type: @) (Flag	Plot 2 Le	af Typ	e: 🕜) <u>(</u>)		Flag	Plot 3	Leaf Type: @) ()		Flag
Big Trees (>0.3m DBH)	0	0	0		Big Trees (>0.3m DBH	0	0	9	0	0		Big Trees	(>0.3m DBH)	(2)	(0	
imall Trees (<0.3m DBH)	②	0	0	0 =	Small Trees (<0.3m DBI	1) ①	0	0	0	0		Small Trees	(<0.3m DBH) ① ①	0	0	0	
Woody Shrubs, Saplings (0.5m-5m HIGH)	(2)	(1)	0	Ī.	Woody Shrubs, Saplings (0.5m-5m HiGH		0	(2)	①	(rbs, Saplings rm-5m HIGH)	0	0	0	
Woody Shrubs, Saplings (<0.5m HIGH)	6	0	Ō		Woody Shrubs, Saplings (<0.5m HIGH		0	0	0	0		Woody Shru		0	<u></u>	0	
Herbs, Forbs and	<u>(1)</u>	0	Ō		Herbs, Forbs and		0	0	<u></u>	$\overline{\odot}$			Forbs and	0	<u></u>	0	
Bare ground	0	0	0		Grasses Bare ground		0	3	0	$\frac{\circ}{\circ}$		Bar	e ground ① @	0	0	0	
Litter, duff	0	0	0		Litter, duff	1	0	0	0	0			itter, duff 0 0	0	0		-
Rock ()		0	-	-		+=	-	 	_	0			Rock 🔞 🛈	0	0	0	
	0	_	0		Rock	$\overline{}$	0	0	0					-		_	
Water 🚳 🕦	0	0	0		Water Submerged	-	0	0	0	<u>O</u>			Water 0 1	0	\bigcirc	0	
Vegetation 🖤 Ŭ	0	0	0	-	Vegetation		0	0	0	<u>O</u>			Vegetation W	0	0	0	
Stressor Presence/Ab	senc	:e -	Confi	rm that	a filled data bubble	indica	ites p	resend	ce an	d an	unfilled	bubble indic	ates absence by fil	ling th	is bul	bble.	0
Residential and Urba	an Si	tres	sors		Hydrol	ogy S	stres	sors				Marie La	Agricultural & R	ural S	tres	sors	
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gravel	0	0	0	4	Ditches, Channeliz			0	0	0		Pasture/Ha	ıy	0	0	0	
Road - two lane	0	0	0		Dike/Dam/Road/R (IMPEDE FLOW)	R Bed	2840	0	0	0		Range		0	0	0	
Road - four lane	0	0	0	Ĭ	Water Level Contr	ol Stri	ucture	0	0	0	T. 1	Row Crops		0	0	0	
Parking Lot/Pavement	0	0	0	- 8	Excavation, Dredg	ing		0	0	0	Mary 1	ROW CROP FIEL		0	0	0	
Golf Course	0	0	0		Fill/Spoil Banks	NE S		0	0	0		Fallow Fiel SHRUBS, TRE	d (OLD - GRASS, ES)	0	0	0	
Lawn/Park	0	0	0		Freshly Deposited (UNVEGETATED)	Sedir	nent	0	0	0		Nursery		0	0	0	
Suburban Residential	0	0	0	H . (Soil Loss/Root Exp	osure	•	0	0	0		Dairy		0	0	0	
Urban/Multifamily	0	0	0		Wall/Riprap			0	0	0		Orchard		0	0	0	
Landfill	0	0	0	10	Inlets, Outlets	1 80		0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping	0	0	0	3	Point Source/Pipe (EFFLUENT OR STORM			0	0	0		Rural Resid	dential	0	0	0	
Trash	0	0	0		Impervious surfact (SHEETFLOW)	e inpu	t	0	0	0	11	Gravel Pit		0	0	0	
Other:	0	0	0		Other:			0	0	0	1	Irrigation		0	0	0	
Other:	0	0	0		Other:			0	0	0		Other:		0	0	0	
Industrial Developme	ent S	Stres	son	S				I	labi	tat/V	egeta	tion Stress	sors				
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if pres	ent -	Plot	1	2	3	Flag	Fill bubb	le if present - Plot	1	2	3	Flag
Oil Drilling	0	0	0		Forest Clear Cut			0	0	0		Herbicide U	lse	0	0	0	
Gas Wells	0	0	0		Forest Selective Cu	ıt		0	0	0		Mowing/Sh		0	0	0	
Mine (surface)	0	0	0			N) L		0	0	0		Trails		0	3	•	2
(0		-		Tree Plantation Tree Canopy Herbi	vory			10-0			Soil Compa		0	0	0	
Mine (underground)	10 K - 10 K	0	0		(INSECT) Shrub Layer Brows	ed		0	0	0		(ANIMAL OR H		15000		-	
Mine (underground)		-			,			0	0	0			nicle damage	0	0	0	<u> </u>
Mine (underground) Military	0	0	0		(WILD OR DOMESTIC)	292				19-00		Soil emsion	(FROM WIND WATER	_	-	-	۱ ۵
		0	0		Highly Grazed Gras (OVERALL <3" HIGH)			0	0	0		Soil erosion OR OVERUSE	(FROM WIND, WATER,	0	0	0	1
Military	0				Highly Grazed Gras	rest			0	0		Continue to all the second to the second		0	0	0	1

• FC	RM	B-	1: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TE) ALI	EN SPECIES (Back) Reviewed by	/ (Initia	i):		
Site ID:	PC	4P	0E	365	2	DAT	E: _(9.8	/_	0.612012				
Confirm	a fille	ed da	ata bi	ubble i	ndicates presence and an unf	illed	bubbl	le ind	dicates	absence by filling in this bub	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	1110	Purple Loosestrife	0	0	0	110	Johnson Grass	0	0	0	
Water hyacinth	0	0	0	17.84	Knotweed	0	0	0		Kudzu	0	0	0	nii
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	•	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	***
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	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	
		A.S		144	PLOT COORI	DINA	TES		12/21					200
Location of coordinat O AA CENTER O N	es (c	hoo:	se o 3	ne):	O W3 O Nearest pra	ctical	ole lo	ocatio	on (flag	g and comment below)	. 0.		Fla	ng
Flag Comments														
0 11		from:	THE N					1						
	. /.				ope from mt	n.	61	Re		all.				-
					g baseline of 7	Not			20	0				
3 bricks o	mo	<u>l</u>	D		debris throw		d	v	uns	lope from ed	ge	,		
4 Plot on 1	= =	rid	u	07	Nhittlesey wo	y	a	10	ng	mowed edge	-	_		-
5 APT Follow	13 0	ali	on	gv	bad.	J								
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Buffer Sample P	oints	- Tar	gete	d Alien	Species 05/27/2011					796	662	354	8	•

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•			4)19				FOF	RM B-1:	BUFF	ER	SAN	IPL	E PI	LOT	S (F	ront)	Reviewed	by (initial)):	_ (
Site I	ID: P	CA	PC	E-	36 3	52	_								DATE	: 6.8	1061	20	1.:	2.	
Locati			1150	Take.				EN ERIOLE	Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ild not be	sampled and	flag -	→]	<u> </u>	I
OAAC	Center	C	N	0	S	OE	O	W	Ø P	lot 1	1	@	Plot	2	O P	lot 3				- 1	
		131							Buffer							hand No too					
Fill in bubble Strata Section	es for all thon: on: Fill in a	nat ap approp	ply: Ca priate c	over o	Type: class t	D = D	e for eac	s; E = Evergre n strata type fo	en. Lear i or each plo	ype: E t. 0 = /	Absen	t; 1 = \$; N = r Sparse	(<10%	6); 2=Mo	bsent: No tree oderate(10-409	e canopy. %); 3 = Heavy (40-75	i%); 4 = \	ery He	avy (>75%)
Buffer	Canop	у Тур	oe: 🕞) () At	osen	t: O	Buffer	Canopy	/ Тур	e: 🕞) () Ab	sent	: O	Buffer	Canopy Type:	<u> </u>	Ab	sent:	0
Plot 1	Lea	f Тур	e: 🕞) C			Flag	Plot 2	Lea	f Typ	e: 🕞) (10	Flag	Plot 3	Leaf Type:	① (E			Flag
Big Trees (>	-0.3m DBH)	0	0	0	0	0		Big Trees (>	0.3m DBH)	0	0	②	0	0	ATT.	Big Trees	(>0.3m DBH)	0 0	0	0	141
mall Trees (<	<0.3m DBH	-	0	0	0	0		Small Trees (<0.3m DBH)	0	0	②	0	0		Small Trees	(<0.3m DBH)	0	0	0	m-I
Voody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0	0	0	0		Woody Shrub (0.5m	s, Saplings +5m HIGH)	0	0	0	0	0			ibs, Saplings im-5m HIGH)	0 0	0	0	
Voody Shrubs (<0	s, Saplings .5m HIGH)	0	0	0	0	0		Woody Shrub (<0	s, Saplings I.5m HIGH)	0	0	0	0	0	· Version of		bs, Saplings <0.5m HIGH)		0	0	
Herbs, F	orbs and Grasses	0	0	②	0	0		Herbs, I	Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0 0	0	0	
Bare	ground	0	0	0	0	0		Bare	ground	0	0	0	0	0		Bar	e ground 💿 🤇	0 0	0	0	
Lit	ter, duff	0	0	②	0	0		Lit	ter, duff	0	0	0	0	0		L	itter, duff 🕕 🕻	0 0	0	0	
	Rock	0	0	0	0	0			Rock	0	0	0	0	0			Rock ①	0 0	0	0	
	Water	0	0	0	0	0			Water	0	0	0	0	0			Water 💿 (0	0	0	
	ubmerged egetation	0	0	②	0	0			ubmerged egetation	0	0	0	0	0			Submerged O C	0 0	0	0	8
			e/Ab	send	e - (Confi	rm that	a filled data	bubble in	ndica	tes pr	esen	ce and	d an	unfilled	bubble indi	cates absence by	filling th	is bub	ble.	•
Resi	dential	and	Urba	an Si	tress	sors			Hydrolo	gy S	tres	sors					Agricultural &	Rural S	tres	sors	
ill bubble	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gra	avel	015		0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ay	0	0	0	
Road - two	o lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range		0	0	0	
Road - fou	ur lane			0	0	0		Water Lev	el Contro	l Stru	cture	0	0	0		Row Crops		0	0	0	1
Parking Lo	ot/Paven	nent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		ROW CROP FIEL		0	0	0	
Golf Cour	se			0	0	0		Fill/Spoil B				0	0	0		Fallow Fiel SHRUBS, TRE	d (OLD - GRASS, ES)	0	0	0	
Lawn/Parl	k			0	0	0		Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery		0	0	0	
Suburban	Resider	ntial		0	0	0		Soil Loss/F		osure		0	0	0		Dairy		0	0	0	
Urban/Mu	Itifamily		Jag.	0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out Point Sour				0	0	0			nimal Feeding	0	0	0	
Dumping	-1110			0	0	0		(EFFLUENT C	OR STORMV			0	0	0		Rural Resi	dential	0	0	0	
Trash	A	drost.		0	0	0		(SHEETFLOV		піри.		0	0	0		Gravel Pit		0	0	0	
Other:			Journal	0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:		50.65		0	0	0	1000	Other:				0	0	0		Other:		10	0	0	
Indu	strial D	evel	opm	ent S	Stres	son	S				Z		labit	at/V	egeta	tion Stress					
ill bubble	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if present - Pl		2	100	Flag
Oil Drilling			-	0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	Jse	0	0	0	
Gas Wells	5			0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surf	face)			0	0	0		Tree Planta				0	0	0		Trails Soil Compa		0	0	0	
Mine (und	lerground	d)		0	0	0		Tree Canop (INSECT)				0	0	0		(ANIMAL OR H		0	0	0	
Military				0	0	0		Shrub Laye (WILD OR DO	MESTIC)			0	0	0			nicle damage	0	0	0	
Other: _				0	0	0		Highly Graz (OVERALL <3"	HIGH)		Mir.	0	0	0		Soil erosion OR OVERUSE	1 (FROM WIND, WATE)	R O	0	0	
Other:				0	0	0		Recently Bu Canopy	urned For	est		0	0	0		Other:		_ 0	0	0	
Other:				0	0	0		Recently BI (BLACKENED)		assla	nd	0	0	0		Other:		_ 0	0	0	
● Fi	ag codes	: K =	No me	asure	ement	mad	e, U = S	uspect meas	urement	F1,F	2, etc.	= mis	c. flag	s ass	igned b	y each field c	rew. 24	2816	8304		
В	uffer Sai	mple	Plots	05	/27/:			lags in comm	iem sectio	on on	tue Da	ICK OT	mis ic	MIL							

	PCI	AP	DE	36	52	DAT	E: _	0.8	3.1	0.612012				
O Confirm	a fille	ed da	ta bı	ıbble ir	ndicates presence and an unfi	illed l	oubbi	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 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	
			PRINCE OF THE PR							Other:	0	0	0	
	The same		1		PLOT COORI	DINA	TES							
O AA CENTER O N		hoos O S:		ne): O E3	O W3	ctical	ole lo	catio	on (flan			Γ	Fla	_
Latitude N	Vorth	14	,)	<u>.</u> 4	3 H 9]		gitud			o.8.16.5.9.9	٥,			
	North	14	.)	<u>.</u> <u>.</u> <u>.</u> <u>.</u>	3 4 9] Use Decimal Degi		gitud				٥		2	
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