CLEVELAND MET	ROPARKS Plant Community Assessn	nent Program: Quality Control Form	(P) Clev	eland Neboparks
Project Label:	PCAP	Plot No: 3449 Date Sampled: 4	131/13	Lead: 5

			Comment required if item answer is NO
Parking/Access outsid	e of Park Boundaries:	Y 🕟	If yes, write details in Comments section below
Field journals comple	ted	(V) N	
Site sketch made on 1	:3000 map?	(V) N	
Check cover page	X-axis Bearing of plot recorded	(Y) N	
	GPS coords. Recorded	(Y) N	
	North direction recorded	(Y) N	
	Photographs taken?	Y N	777
Plot No., Date agreem	ent on all pages?	⟨V N	
Header data complete	d all pages?	Y N	
Cover classes recorde	d in all Intensive modules	(Y) N	
Browse Level By Spe	cies	(Y) N	
Woody stem quality c	ontrol check	(Y) N	
Invasive plant quality	control check	Ŵ N	
Ash trees mapped		y N	
Cover by Strata? (con	firm cover type)	(Y) N	
Soil samples collected	with matching plot #.	Y N	
Vouchers labeled on o	latasheet with initials and number	Y N	na novouchers
Vouchers labeled on o	ollection bag	Y N	n/a " "
Pink flags removed		(Y) N	
Data sheet QA before	leaving site?	(Y) N	
Common equipment r	eturned to tub.	(Ý) N	
Data sheets scanned?		8/2/13	Enter date to left 35
Final data sheets scan	ned?		Enter date to left
Buffer Widths measur	ed?	(Ŷ) N	RC 819
Web Soil Survey		(Ŷ) N	RC 819
Voucher Location	Refrigerator	Y N	,
(# vouchers collected)	Press (#)		Enter number to left
Man 9	Drier	Y N	1
Mon	Identified	Y N	
	Mounted	Y N	
	Thrown away	Y N	

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

dditional Comments:	 	 	

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet SAMPLING QUALITY* PLOT NOT SAMPLED: Plot Name: Brid Fart. GENERAL INFORMATION TAXONOMIC STANDARD vascul TAXONOMIC ACCURACY Hurried Effort Level: Minimum required fields in Bold and Underlined Wery thorough * Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. Party End date (if > 1 day): Date (mm/dd/yyyy): 07 /3/ /20/3 Bird Surprise. Project Name: UNC2013 Authority: ichen Accurate roject Label: PCAP Schrauznage Jevero Level 5 (nested corners sampled) Level 4 (no nested corners sampled) high □ Paved □ Slope □ Safety G&C Pub Date: modera. may still provide good how much effort put into subjective evaluation of sampling. Hurried plots Role** Plot leader assist Moodu low X Other not smp K n/a 1998 State: GPS location in plot x=0 to 5, y=-1,0,+1): ■ Lat/Long □ UTM □ StatePlane □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Camera No.: C5 GPS File Name: 3449 A Coord. Accuracy: - m - ft Datum: ■ NAD83/WGS84 □ Other (specify) Source of coordinates If data not public why? Reason: Data Confidentiality: Local Place Names: park a most all the Plot placement: XGRTS Photo Nos.: 2553 Plot size for cover data: way down the service accessy Quadrangle: LOCATION Intensive modules: 2, 3, 8, 9 Depth: (1-5): 4 Latitude: 41. 55460 andowner: CMP Systematic (grid)

Capture specific feature

Other angitude: 81, 42-300 *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Random

Stratified Random

Transect component X-axis Bearing of plot: HO (base of plot x=0, y=0) □ MAP County: Lake □ NAD27 ■ deg □ deg min Representative III m ofto Coord. Units ■ GPS reporter Moderator beech seedlings, and moss on rothing lags hectares) Veg. Char: canopy - predominantly beech with an odd Tilia and Shrub - beech - all beech, some saccharum Herb-depairperate. A few acerseedlings of and park, then walk Einto the wooke almost all the way to round about. Pull content), Rationale (why here), and Veg Characterization (description of community NOTES: Include Layout (any unusual shape details). Location (directions and landscape Rationale: GRTS ~200 m. Will cross the bridle trail. rayout: 2x5 dominants, strata, BROWSE). Additional notes in space on back. Key: O(0.0) point OFS location Location: Take old service access road S #10 #1 #13 6# 4 photo taken, with direction #5 \$ 4 4 #7 Page 1 of 2 (Clumburd Helmon location of permanent posts OVER #5 6

				Chamber of the Party Party Ale
PCAP Project I	Name: <u>01NC2013</u>	Plot No.:		Page 2 of 2
	DISTURBANCES			
_ Conf=	type* severity**	vrs ago % of plot	description	
	Š	0 100	trash	
	Natural			
Beech	Fire			
Maylo	Cut			
	Animal ML	001 0	deer knowse	J50
	Other			
	**L=low, ML=med low,	M=med, MH=med	high H=high VH=ver	ry high
□ Compositional trend across the plot	Current Land Use:	MP		
		之下		
HYDROLOGIC REGIME*	1 1			
pland (seldom flooded)	Intermittently flooded			
□ Intermittently/seasonally saturated □	Semipermanently flooded			
(seldom flooded)	Permanently flooded			
□ Permanently/Semipermanent. saturated □	Tidal/Seiche flooded daily			
(dry <1/yr, seldom flooded)	Tidal/Seiche flooded monthly			
□ Occasionally flooded (<1/yr) □	Tidal/Seiche flooded irregular			
□ Temporarily flooded	(e.g. wind, storms)			
	Unknown			
t to the stand, successional status, maturi	ty, etc.)			
ht gradient. In	Teef it	5 + 6	der ang	H COLI
fer under very	Beech	There a	4	
+ 0/31 : 800 67		4		Noches
d. not was other	wise unrem	arkabl	,	
	MODIFIED NATURESERVE CLASS* CODE (on separate form): COJ. COMMUNITY NAME: Beech - Maple; Beech - Mayle HOMOGENEITY BHomogeneous Compositional trend across the plot	Project Name: OINC 2013 DISTURBANCES	TURBANCES e* severity** an M al ML low. ML=med low ent Land Use: V flooded ently flooded flooded daily flooded monthly flooded irregular storms) Keef it Beech MACES MACE	TURBANCES e* severity** yrs ago % of plot descript an M 0 100 trash al ML 1 100 descript low. ML=mcd low. M=med, MH=med high, H=high ent Land Use: UNK y flooded ently flooded flooded flooded irregular storms) Rect it in the older cannot were Rect. There were Rect. There were

try CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Gleveland Metroparks Project Label: Total modules: S H (F)(A) Br 7 0 3 S Munus Seratica Asterbacaea Acer Muss sp Heer Sp. Fagus grandifolia Maianthemum racenosa Evin nymous shitus Ansaema triphyl Caudophyllum Actea alba olygonatum pubescens CLUXION SD. toraguo virgini 11-15 50. **Br** = Browse Level. Use cover classes to describe amount of browse per species over O DXICO de nacon Acer Saccharum ista sp. inodendron tulipi ugo natun biforum DUDX corditornis Species seedling entire plot seedhio Can sentano acumicate (seed Destatur thaticher radicans ဂ Intensive modules: %unveg. ground (bare soil) %unvegetated open water intensive module: Estimate for each %unveg. litter (bare litter Project name: 01NC2013 Voucher # %open water depth (V) mod . W S corner mod comer O cov | depth がん 6 Plot configuration: N N N 66 8 mod depth S W comer 2 cov depth Q 8 Plot no.: 3449 00

S

7

t

W

(Vi

W

depth

8

depth

000

depth

COV depth

cov | depth

ğ depth

ş

S S

depth

depth

60

depth

VQ2

depth

V92

depth

69

f

W

00 ω

 ∞ 2 §

4

mod comer W

mod

comer

corner

mod

mod

comer

mod

 α

 ω

2xS

Plot area (ha):

Page __

ŏ,

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

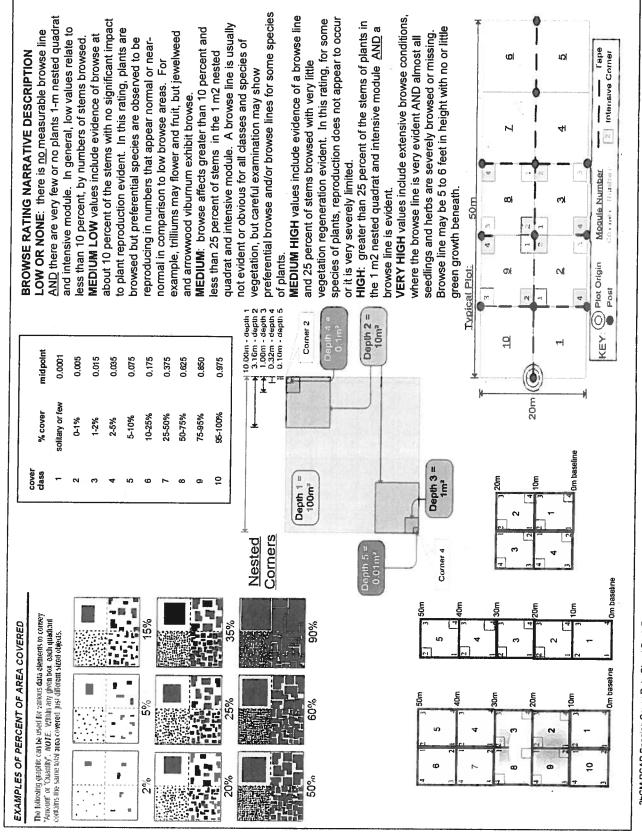
Tilia anvironna

Natural Resource Management FORM NR/2010-02a S

d

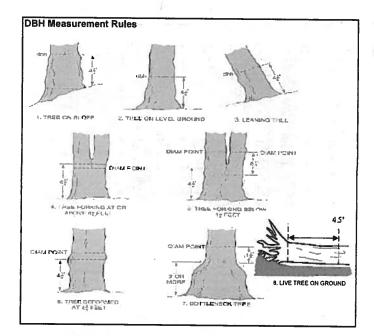
Ø N 大

N



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

	CLEV	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Name: 700 0000 Project Label: Plot No.: 6	ommunity A	ssessm	ent Prog	yram Na	Atural M	nt Program Natural Woody St Project Name.(◯ N ⊂ 2 ଠ , ⋜	em Dat	ta Sheet	ントト		Page:	MD	9	Ciercia	© Gieveland Metroparks
	_	n bac	-			-						A.					
 1			**				ize class (size class (cm) woody stems >1.4m	stems >1	.4m							:
_	mod #	species	voucher#	0-1.4m browsed	or super sample	clumps	소 -	1-<2.5	2.5-<5	5-<10	5 10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	
1		d'Adia					•		7		0						62.9,54
1		Standing dead				6	8.0	• •	•								
1		frunus seratina						•									
1		Acer saucharum						•									
1	ಬ	Acer sourharum							9 0	•							
1	ý)	Facus arandifolia				0.0		0 0	0 0		•				•	•	
1		Standing dead				60											
1	Ś	tagus grandifolia				00	•	12	23	76							8.89
1	3	Standing dead						•									
1	W	Acer saucharum											146	•			
1	NOTE 25 - 27	Faavs grandifolia					•	•		. •	•	L					
1	一	Acet sacharum						•				•		•			
1	H	Standing dead						8 0	:3	•							71.1
1	F	Acer rubrum															
1	4	Acer saccharum								•		ľ			•		
1	S	Fagus grandifolia					0	0 6	7	•							66.1
	ŮŢ	Standing dead					0 4	3	::								
1	2	Prunus serotion		¢													
. 1	03	Lindera bendon		l'							8						
							ľ										



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

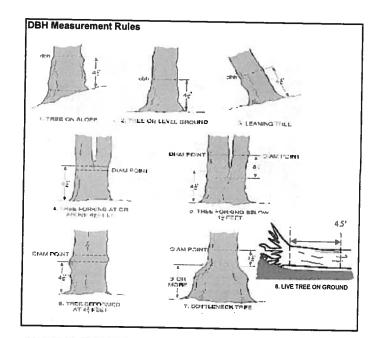
Е

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.

CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sneet Project Label: PCAP Project Name: O/NC20/3 Plot No.:	PCAP	/ Assessm _	ent Program Natural Woody Project Name: Ol NC 2013	lame: O	INC 20	913	<i>m Data</i>	lot No.:	Plot No.: 3449	9	Page:	4	으 오	Clevel	Gleveland Metroparks
	Explain subsample (additional room on back):	back):														
						size class (cm) woody stems	cm) woody	—- ≱	5	5	6	7	8	30 9	10	11
6	Acr saccherum						-	_								5).9
16	Fagus graditation		• •		0 •	• •	6	•	•		•					
1	Prous scratua								0							
1	had what															77.0
10	Tilia ampicana										e					
a							6		•						•	
1	Fagus granditalia		•		N			•		`X				_		
t - 0.0 1.37	Standing Dead						•		•							
3 Fagus -7	~															
t 2012-0	Acer rubium		•		eur.		×									
PBH - 8	Faces d'anditolia		凶		• •	3 .	**	• •	•							99.0
8 - 1/8	Standing Mond				×			•	Xov					,		
The regul - 8	Acer Saccharum				•				٠	•		•				
8 - 8 years	Acor vabrum				Name of			0								
1 TON - 8	Punus serotina		•													
0 19	Standing Doad					•		•								
19	Fagus d'andifolia		D 4		W.a.	×	•	X		•				,		
1	Acr suchrom		•											•		
19			,			6										
70	Fagus grandiblia				-	• 1	21				•				•	
10	Alar Sucharin														76	
0,1	Standing Urad															



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



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.

* 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)

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet Project Label: PCAP Project Name: DINC2013 INTENSIVE MODULES ONLY
Plot No.: 3449 Date:

TREES ≥ 10CM ONLY

Page: 1 of 2

	Jate:
	10
	0
	N
	010
	O
_)	
/	

Change intensive module numbers when necessary

9

œ

AND THE RESERVE OF THE PARTY OF

25	24	23	22	21	20	19	a	17	6	15	4	13	12	=	10	9	8	7	6	5	4	ω	2	-	Tree Module ID.
																				£ 8				NO 934	Species
		L				L				L												L			Dead
														E		E		L							n
																									Voucher#
									H																(cm)
-																									DBH HB(Ø)
				SIR-S																					Ash condition
																									Ht @ Ash *Dead DBH condition condition
S 17 . CV						-										00000						10.3.			# Exit
																									#Exit Epicormic holes present
																					ā				Woodpecker holes

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

2

ω

(delin)	SdĐ		esuce	Pre	FOR I		Rapid response	ty detection/	IIGL T: F9L
Presence		WN	MS	SE	NE				
X: yes							szengtlitz ezenedel		Microstegium vimineum
							Lesser Celandine	 	Ranunculus ficaria
			$\neg \uparrow$	_	$\neg +$		Black Swallow-wort		Cynanchum louiseae
				_	-		Flowering Rush		Butomus umbellatus Heracleum mantegaszaian
			Ť	T			Giant Hogweed		neizzegətnem muələerəH eiT
100	comments		Plants				panaau	r S: Assess as	201
stnelq to #		MN	MS	SE	NE	STATE OF THE STATE	Jorway Maple		Acer platanoides
1: 1-10			-+				ree of Heaven		emissitle sudtneliA
7: 11-50°						əl	abanese Honeysuck		Lonicera Japonica
3: 21-100			-+	\dashv			orple Loosestrife		Lythrum salicaria
d: 101-1'00				\rightarrow			Sishop's Goutweed		Aegopodium podagaA
2: >J,000		-					sian Bittersweet		Selastrus orbiculatus
-							ledgeparsley		orilis sp.
							oison Hemlock		onium maculatum
<u> </u>			\sqcup	\Box		(spunp)	ommon Buckthorn		shamnus cathartica
<u> </u>	 					(sprub)	abanese Barberry		erberis thunbergii
ļ							uropean Alder		linus glutinosa
							ut-leaf Teasel		subsiniatus subseqi
						(spunp)	evilO nmutu		laeagnus umbellata
						(spunp)	mur Honeysuckle		onicera maackii uonymus fortunei
					- Inches	DESCRIPTION OF	Vintercreeper		
	comments		stabl	-	CONTRACT OF		i mieres.	Presence is o	10 (2)(
stnelq to #		MN	MS	35	NE	NOTES STATES	welley edt to yl	(G-cover)	silajam sinallavno
1: 1-10			\vdash		_		ly of the Valley rown Vetch		oronilla varia
7: 11-50			-	 	_	(shrub)	ve-leaf Aralia		leutherococcus pentaphyl
3: 21-100			+	-			panese Pachysandra		achysandra terminalis
000'T-TOT:#			-	_	_	(shrub)	ock Orange	_1	hiladelphus coronarius
000'T< :S			┼—		-	(an us)		(G-cover) Lu	silenioifto sinenomlu
<u> </u>			-	├	-		ineberry		suiselosinsoda sudu
-		-+-	+-	├	┞	-	sini geli woll		s bsendacorus
-				-	┞-		ar of Bethlehem		mutelladmu mulagortin
<u> </u>			+	└	<u> </u>	(shrub)	ιτορean Cranberry		burnum opulus var. opulu
⊢			4_			(shrub)	munnudiV əlifəldu		mutaoilg munnud
122	comments		aou	Prese		THE CHARLE) abundant	despread and	Tier 4: Wi
Andersta		W	OR SHARROWS	The second second	31	V			
MAPRAN							rlic Mustard	29	Etaloiteq sinail
						(spunp)	mmon Privet		gustrum vulgare
				\top	1	(spunp)	rzy Houeysuckles		morrowii, L. tatarica
						1	ed Canarygrass		selaris arundinacea
					_	 	ragmites		
				+-	+-	1 1 1	sanese Knotweed		mutsbiqsuo munogyli
			+-	+-	+	(annak)			sunla alugna arollitilum ez
			+-	+-	+	(spunp)		niai es	pha angustifolia, T. x.glaur
-			-	+-	-		tails (wetland) nada thistle		sium arvense
			+	+-	+-	+	lesseT nomm		munollui suseso
		-	+	+	+	+	me's Rocket		silenonsem sinoqe
				_	+-		iwinkle		

lote: For Ground-cover plants record "stem #" but in comment field describe # of colonies and patch size (S,M, L)
4bCM PCAP Invasive species datasheet.xls last revised 6/23/2011 ceh

_

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

Project Label: PCAP Project Name: 0 V 2013

Plot No .: 3449

(2) Oheyeland Mebagairta Page: 1 of 1

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

STANDING BIOMASS (required for emergent wetlands) collected in 0.1m clip plots (32x32 cm) from comers 1 and 3 in each intensive module. Required for VIBI-E score calculation, C7=check when collected odule # ဌ

CLASSIFICATION		
(FIT = excellent g Fit and Confidence	:	
Hydrogeomorphic class (WETLANDS ONLY):		
DEPRESSION	1	Conf=
n IMPOUNDMENT n Beaver n Human	1	Conf"
a RIVERINE a Headwater a Mainstem a Channel	File 	Conf=
☐ SLOPE (ground water hydrology or on a physical slop)	FILE	Conf=
DFRINGING DReservoir DNatural Lake	1	Conf=
COASTAL (specify subclass)	FI	Conf=
to BOG (strangly, moderately, weekly ombrotrophic)	Fit	Conf=
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	E CATA	
□ FOREST □ swamp forest □ bog forest □ forest seep	T	Conf
□ EMERGENT □ marsh □ wet meadow □ open bog	Fit	Conf=
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	Fit=	Conf*

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

stope 1 = slight elevational grade across module (hill) tanks for microhabital features. Select one or select two and average the score.NOTE: If mod falls on a slope automatically gets ranked based on steepness (1-3) to begin + any features present 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 trighest quality, or in small amounts of highest quality

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

						c.w.d count	for pieces with	c.w.d count for pieces with minimum 1m length		
			no, of	no of	по. тасто.	cwd	c.w.d	c.w.d	microhab.	microhab.
			tussocks	hummocks	depressions	(2-12 cm)	(12-40cm)	>40 cm	interspers.	
				uplands (Tip-Ups)						
			depth 3	depth 2	depth (depth 1	depth 1	depth 1	depth I	SLOPE
			lxlm	3.16x3.16m	10x10m	10x10m	10x10m	[0x10m	10x10m	10×10m
_	med#	corner	(count)	(count)	(count)	(count)	(count)	(count)	(rank)	(rank)
_	2		Ø	Q	W	6			T	
	3		8	Ø	V	[2	Ø	6	V	
_	a	-	Ď	0		N N	(.	Ø	4	-
_	2		Ø	Ø	8	12	Ø	Ø	2	0
			,							1
- 1						240				
•										

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

+315 degrees

N.

+225 degrees +27() degrees

SW

€

Se.ne eve of person standing - 10 m

+135 degrees

SE

angles formed by local slopes for TSI measure

angle from recorders eye to

+45 degrees +90 degrees

Z

Ę

**!ST

LFI is angle of plot to the

horizon TSI is

+180 degrees

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

9	8	3	2	Module	concounting space
ナー	160	4	16	Z	
S	21	9	7	s	(and but Blee square)
Ø	4	9	13	æ	
20	(3	Q		¥	
0			0.00-77		700

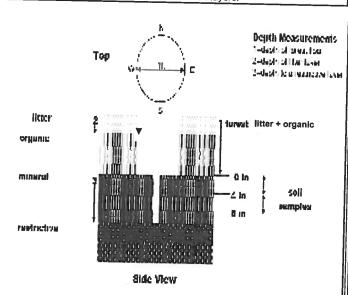
NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.

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
#\ /== . A=H = E = 1	

*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.



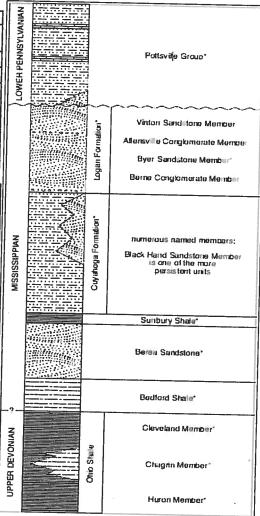


FIGURE 3-20.—Generalized section of Upper Devonian Mississippian and Lower Pennsylvanian formations in northeastern Otto Asterisks indicate units that are fossiliferous. This composite section represents about 4:00 meters of rock exposed across the area. The section is not to exist, but the chicknesses indicated are proportional. The cerm "Waverly is used in the older literature to refer to Mississippian rocks in Okio. Some geologists use the European rem "Carboniferous," which encompasses the Mississippian and Pennsylvanian Periods of the U.S. Many amits have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fairly widespread out discommissions. See Highe (1923), Hower 1360), and Collins (1979) for mre information on Mississippian rocks in Ohio. See figure 2-16 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

(Coloroband Methoparks

Page: 1 of 1

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

Soil pit module # 82 (one per entire plot)

20 cm 6 cm matrix color hydro. cond. *** matrix color 2.54 texture* texture* oxid roots iydr. cend.*** edox features** bdox features** xid roots ottle color mottle ttle color I S M D 1 S M D. 7/0 2 Z Z)

refer to texture classes on reverse side

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

endundated S=saturated M=moist D=dry
lotes: include evidence of earthworms (worms, astings, middens)

Soil pit diggings Only I wan seen

> 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

Soil Collection Module Horizon (A, B, C)	
2,3,8,9 composited A	
Web Soll Survey Information:	
Soil Series Type: EIB - Ells worth Sill	lan
Soil Series Source: Ohio Soil Survey	
Landform type: Fow Macain 85	
Depth to rest. Layer: 80 tio 101	3
Parent Material	
DRAINAGE*	
□ Excessively dr □ Somewhat excessively	
□ Well drained woll dr	
Somewhat poorly dr.	
□ Impermeable surface	

8/9 BC

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

mod#	2	3	8	0
l litter+ organic depth (cm)	9	1.13	a, 7	2.7
2 litter depth (cm)	1.201	ALT.	ري. م	ر اد اد
water depth (cm)	0.0	0.0	0.0	0.0
depth sat soil (cm)	730	730	730	730

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	\vdash
Underlying Earth Surface*	Surface*	Ground Cover	
Sum - 100%) .	percent	(Each ≤ 100%)	percent
Histosol	0	Coarse Woody Debris***	b
Mineral Soil	36	Fine Woody Debris****	<u></u>
Gravel-Cobble*	_	Litter	36
Boulder**	_	Duff (Ferm + Humus)	98
Bedrock	Ō	Bryophyte- Lichen	
Gravel-Cobble = 1/16-10	= 1/16-10"	Water	0
**Boulder = > 10 in	ij	Bare Soil	7
*** >5 cm in diameter	neter	Road/Trail	C
			_

4	COVER BY STRATA estimate using midpoi	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	% ex:3, 8, 13
	Strata	Height Range (m)	Total Cover (%)
	Tree	S -	43
	Shrub	.5.5	23
	Herb	05	3
	(Floating)*	•	0
	(Aquatic)*	1	0 0
	• rooted and fl	rooted and floating or slightly emersed	rsed
	** submersed,	* submersed, most plant mass below surface	w surface
	SEE BACK OF	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS, STRATA CAN VARY BY CO	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS, STRATA CAN VARY BY COVER TYPE.

ם Deer	□ Gravel	n Bootleg undanctioned	Hiking sanctioned	□ Bridle	a All Purpose	Туре	record type and cover for each
			5	R		%Cov	äüi

TRAIL INFORMATION

0			8	Ô	D	ŢĊ,
^	<u>.</u>	<u> </u>	2	<u>~</u>	8	ΙZ
< płot.size	1-3 x plot size	0 x	<u>.</u>	8 8	×	STAND SIZE
Size	ot o	plo	×	plo	plo	S
	Size	3-10 x plot size	10-100 x plot size	a > 100 x plot size	>600 x plot size	ZE
			že			1
				-		1

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

oinsgnO =0

1= Loamy

Z= Clayey

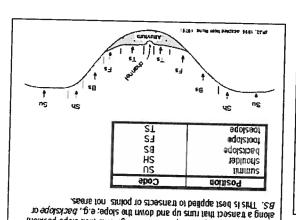
3= Sandy

4= Coarse Sand

9= Not measured - make plot note

2.50 # ш Many 2 to < 50 # 3 Соттоп < 5 Few Surface Area Covered SISAM COUN' Criteria: % of Class PERCENT MOTTLES (USE CLASS CODES):

SS SN SH SIZAM nean ВI IISEL [emaces descriptors are available for Hills, Terraces, Mountains, and Flat Plains; Geomorphic Component - Three-dimensional descriptors of pairs of landiorms or microleatures that are best applied to areas. Unique



dimensional descriptors of parts of line segments (i.e., slope position)

Hillstope - Profile Position (Hillstope Position in PDP) - Two-

UPLAND: Not a wetland. Very rarely flooded. HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)

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

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

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

pren

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable surface. Offen characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier. TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil

the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's Intermittently Flooded modifier. developed for use in the and West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was

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

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

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

adojs aseg

edors apro

adols ason

adois peau

SN 10 adols ason (SIIH 101) . Q.a

идециле

SH

dOd

%乙

							FOI	RM B-1:	BUFF	ER	SAI	NPL	ΕP	LOI	rs (F	ront)	Re	eviewed by	(initial):	1	•
Site II): (CI	49	1	1	3	440	1							DATE	08	101	1 2	0	1 .	3	
Locatio				ři.		All I		175	Fill	in b	ubb	le(s) if p	lot(s) cou	ıld not be	sample	and f	lag -	→		
O AAC	enter	C	N	0	S	O	0	W	OP				Plot			Plot 3						
=ill in hubbles	for all th	nat and	nhe Ca	noou'	Tumo	D - L	ociduou		Buffer							Absent: No tree	e canony					
																oderate(10-40		y (40-75%); 4 = \	/ery H	eavy ((>75%)
Buffer	Canopy	у Тур	e: 🕖) () AI	bsen	t: ()	Buffer	Canopy	у Тур	e: () () AI	bsen	: O	Buffer	Canopy 1	Гуре: 🕞) () Ab	sent	: O
Plot 1	Lea	f Typ	e: 🏉	<u> </u>			Flag	Plot 2	Lea	f Typ	e: (•) (<u>·</u>			Flag	Plot 3	Leaf 1	ype: 🕞) <u>C</u>)		Flag
Big Trees (>0	.3m DBH)	0	0	②	(4)	0		Big Trees (>0.3m DBH)	0	0	0	0	<u>O</u>		Big Trees	(>0.3m DBH)	$\odot \odot$	0	3	0	
mall Trees (<0).3m DBH)	0	0	0		0	,	Small Trees (<0.3m DBH)	0	0	0	0	<u>O</u>		Small Trees	(<0.3m DBH)	<u> </u>	0	①	0	
Voody Shrubs, (0.5m-5	Saplings im HIGH)	0	0		0	0		Woody Shrub (0.5n	s, Saplings 1-5m HIGH)	0	0	0	0	0			ubs, Saplings im-5m HIGH)	\odot	0	3	0	
Voody Shrubs, (<0.5	Saplings im HIGH)	0		<u></u>	0	0		Woody Shrub (<	s, Saplings).5m HIGH)	0	0	0	0	0			bs, Saplings 0.5m HIGH)	$\odot \odot$	0	3	0	
Herbs, Fo	orbs and Grasses	0		2	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	\odot	0	<u></u>	0	
Bare g	ground	0		0	<u></u>	0		Bare	ground	0	0	0	0	<u>O</u>		Bar	e ground (<u> </u>	0	3	0	
Litte	er, duff	0	0	0	0	(3)		Li	tter, duff	0	0	0	0	0		L	itter, duff	୬ 0	0	0	0	
	Rock	(0	0	0	0			Rock	0	0	0	0	0			Rock ($\mathfrak{O} \mathfrak{O}$	0	0	0	
	Water	(0	0	0	0			Water	0	0	0	0	0			Water (<u> </u>	0	0	0	
	merged getation		0	0	3	0			ubmerged /egetation	0	0	0	0	0			Submerged Vegetation	$\mathfrak{O} \mathfrak{O}$	0	0	0	
Stresso	or Pres	senc	e/Ab	senc	e - (Confi	rm that	a filled data	bubble in	ndica	tes p	resen	ce an	d an	unfilled	bubble indic	ates absen	ce by fill	ing th	is bub	ble.	0
Resid	lential	and	Urba	an St	tress	sors	4		Hydrolo	gy S	tres	sors					Agricultui	ral & Ru	ıral S	tres	sors	
ill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if present	- Plot	1	2	3	Flag
Road - grav	vel			0	0	0		Ditches, C				0	0	0		Pasture/Ha	ıy		0	0	0	
Road - two	lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range			0	0	0	
Road - four	lane			0	0	0		Water Lev	el Contro	l Stru	cture	0	0	0		Row Crops			0	0	0	
Parking Lot	l/Pavem	nent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Field	D)		0	0	0	
Golf Course	е	The last		0	0	0		Fill/Spoil E		N - 4!-		0	0	0		Fallow Field SHRUBS, TRE		SS,	0	0	0	
Lawn/Park				0	0	0		Freshly De	ED)			0	0	0		Nursery			0	0	0	
Suburban F		tial		0	0	0		Soil Loss/I		sure		0	0	0		Dairy			0	0	0	
Urban/Multi	ifamily			0	0	0		Wall/Ripra				0	0	0		Orchard			0	0	0	
Landfill		_		0	0	0		Inlets, Out Point Sour				0	0	0		Confined A Rural Resid		ing	0	0	0	
Dumping		2 2		0	0	0		Impervious	OR STORMV	VATER)	0	0	0		Gravel Pit	Jenuar		0		0	-
Trash Other:			300	0	0	0		(SHEETFLOW Other:	0	105		0	0	0		Irrigation			0	0	0	
Other:	19.000	VIII		0	00	0		Other:			_	0	0	0		Other:			0	0	0	\dashv
	trial D	evel	opmo			100	10/2	- Culott				DATE OF STREET		1000	egetai	ion Stress	ors			9	O	
ill bubble		100000		1	2	3	10-0	Fill bubble	if nreser	nt - F	Plot	1	2	3	Flag		le if preser	ıt - Plot	1	2	3	Flag
Oil Drilling	ii prese	,,,,,	100	0	0	0	i iag		-		100	0	0	0	riag			100	0	0	0	ing
Gas Wells				Section 1	0	0		Forest Clea	Market			0	0	0	12	Herbicide U Mowing/Shr			0	0	0	
Mine (surfa	00)	-		0	100			Forest Sele			A Trans						ub Cutting	10 E		_	0	
		1		0	0	0		Tree Planta Tree Canop		ory		0	0	0		Trails Soil Compa	ction		0	9		-
Mine (unde	rground	')		0	0	0		(INSECT) Shrub Laye				0	0	0	\dashv	(ANIMAL OR H			0	0	0	
Military				0	0	0		(WILD OR DON Highly Graz	MESTIC)			0	0	0		Offroad veh Soil erosion			0	0	0	
Other:			_	0	0	0		(OVERALL <3" Recently Bu	HIGH)			0	0	0		OR OVERUSE)		or will be	0	9	0	
Other:			-	0	0	0		Canopy Recently Bu			nd	0	0	0	-	Other:			0	0	0	
Other:				0	0	0		(BLACKENED)				0	0	0		Other:			0	0	0	
Flag	g codes:	K=1	No me		ment	Expi		uspect meas ags in comm							gned by	each field cr	ew.	242	8168	304		

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

Buffer Sample Plots 05/27/2011



FC	ORM	B-	1: 1	BUFF	ER SAMPLE PLOTS -	TA	RGE	TEI	D AL	EN SPECIES (Back) Reviewed by	y (initi:	al):	oke ta	1
Site ID:	P	CI	49	N	(3449	DA	ΓE: <u>(</u>	<u>)</u>	<u>3</u> 1	0.1.12.0.13				
Confirm	a fille	ed da	ata b	ubble i	ndicates presence and an uni	filled	bubb	le ind	dicates	absence by filling in this bub	ble		140	
Fill bubble if present - Plot	1	2	3		Fill bubble if present - Plot	_	2	3	Flag	Fill bubble if present - Plot		2	3	Fla
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	-	Fia
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	6
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	_
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	-	-
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:		0		-
	THE STATE OF									Other:	0	0	위	
					PLOT COORD	INA	TEC	lite	21020		0	0	이	Dec.
Location of coordinates AA CENTER O N3 Latitude No	s (ch	00s	e on		O W3 O Nearest prac	ticab	le loc	atior	r Plot.	and comment below)			Flag	
Flag Comments														
Buffer Sample Poin	ts - T	arget	ted A	lien Spe	ecies 05/27/2011					7966	6235	48		

Site ID: PCAP	11(<u> </u>	ر ا	17		T EN	in b	ubb	lo/s\	if -	104/-		ild not be						<u>í</u>
Location:	0		0.1	- 0	VA/	OP			70-51-	i ii p Plot	83.	1000	Plot 3	Sample	eu a	na n	ay -		
O AA Center	0	5	OE	: 0	W	Buffer						Annual Control	1013						<u> </u>
Fill in bubbles for all that apply: Car Strata Section: Fill in appropriate of	opy T	Type: lass t	D = C	eciduou for eac	s: F = Everon	en Leaf T	vne: B	= Bro	adleaf	f: N = 1	Needlo	e Leaf. A	Absent: No tree oderate(10-40)	e canopy. %); 3 = Hea	vy (40)-75%);	4 = \	/ery H	leavy
Buffer Canopy Type:	•	At	sen	t: O	Buffer	Canopy	/ Тур	e: (0) AI	bsent	: O	Buffer	Canopy	Тур	e: 🛈	Œ) At	bser
Plot 1 Leaf Type:	4			Flag	Plot 2	Lea	f Тур	e: () @			Flag	Plot 3	Leaf	Тур	e: 🕦	0)	
Big Trees (>0.3m DBH)		3	0		Big Trees (>0.3m DBH)	0	0	0	0	(4)		Big Trees	(>0.3m DBH)	0	0	②	0	0
Small Trees (<0.3m DBH)	0	0	0		Small Trees	<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH)	0	0	②	3	\odot
Woody Shrubs, Saplings (0.5m-5m HIGH)		0	0		Woody Shrub (0.5n	s, Saplings n-5m HIGH)	0	0		0	0			ıbs, Saplings m-5m HIGH)		0	①	0	0
Woody Shrubs, Saplings (<0.5m HIGH)	0	<u>(1)</u>	0		Woody Shrut	s, Saplings 0.5m HIGH)	0		0	0	0		Woody Shru	bs, Saplings :0.5m HIGH)	0	0	②	0	0
Woody Shrubs, Saplings (<0.5m HIGH) Herbs, Forbs and Grasses	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0
Bare ground ① @	0	<u> </u>	0		Bare	ground	0		0	0	0		Bar	e ground	0	0	0	0	0
Litter, duff 💿 🕦	0	<u> </u>	0		Li	tter, duff	0	0	0	0	(L	itter, duff	0	0	0	0	0
Rock 🕡 🔾	0	0	0			Rock	•	0	0	0	0			Rock	0	0	0	0	0
Water 🕡 🕠	0	0	0			Water		0	0	0	0			Water	0	0	0	0	0
Submerged Vegetation	0	<u>(1)</u>	0			ubmerged /egetation		0	0	0	0			Submerged Vegetation	0	0	0	0	0
Stressor Presence/Abs		e - (Confi	rm that			ndical	tes p	esen	ce an	d an	unfilled			-	by fillin	ng th	is bul	bble
Residential and Urba	n Si	ress	ors			Hydrolo	gy S	tres	sors		TO.			Agricult	ural	& Ru	ral S	itres	SO
Fill bubble if present - Plot	1	2	3	Flag	Fill bubbl	e if prese	nt - i	Plot	1	2	3	Flag	Fill bubble	if preser	nt - P	lot	1	2	3
Road - gravel	0	0	0		Ditches, C	hanneliza	tion	781	0	0	0		Pasture/Ha	ıy	dix		0	0	C
Road - two lane	0	0	0		Dike/Dam		Bed		0	0	0		Range				0	0	C
Road - four lane	0	0	0		Water Lev		Stru	cture	0	0	0		Row Crops	Mary San			0	0	C
Parking Lot/Pavement	0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel		RESTI	NG	0	0	C
Golf Course	0	0	0		Fill/Spoil E			His	0	0	0		Fallow Fiel SHRUBS, TRE		ASS,		0	0	C
Lawn/Park	0	0	0		Freshly Do		Sedim	nent	0	0	0		Nursery				0	0	C
Suburban Residential	0	0	0		Soil Loss/	Root Expo	sure		0	0	0		Dairy	i a a			0	0	C
Urban/Multifamily	0	0	0		Wall/Ripra	p	più.		0	0	0		Orchard				0	0	C
Landfill	0	0	0		Inlets, Out				0	0	0		Confined A		eding		0	0	+
Dumping	0	0	0		(EFFLUENT)	OR STORMV	VATER	(3)	0	0	0		Rural Resid	dential		-	0	0	C
Trash	0	0	0		(SHEETFLOV		put		0	0	0		Gravel Pit			-	0	0	C
Other:	0	0	0		Other:		_	_	0	0	0		Imigation			-	0	0	C
Other:	0	0	0		Other:	15 15 1	W.T.		0	0	0		Other:				0	0	C
Industrial Developme	ent S	tres	sor				7 H		1		1		tion Stress	A					
FIII bubble if present - Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	FIII bubb	le if pres	ent -	Plot	1	2	3
Oil Drilling	0	0	0		Forest Clea	r Cut	98		0	0	0		Herbicide U	se	12/4		0	0	
Gas Wells	0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	g		0	0	0
Mine (surface)	0	0	0		Tree Planta				0	0	0		Trails				0	0	0
Mine (underground)	0	0	0		Tree Canor (INSECT)	10000			0	0	0		Soil Compa (ANIMAL OR H				0	0	0
Military	0	0	0		Shrub Laye (WILD OR DO		d		•	•	0		Offroad veh				0	0	0
Other:	0	0	0		Highly Graz	ed Grass			0	0	0		Soil erosion OR OVERUSE		ND, WA	ATER,	0	0	0
Other:	0	0	0		Recently B		est		0	0	0		Other:				0	0	0
	-				Recently B	imed Gra	eelar	nd	0	0	0		Other:				0	0	0

Site ID:				BUFFER SAMPLE PLOTS					Reviewed b	y (initia	al):	T, e	
				PNC 3449									
	15.7	ed da	ata b	ubble Indicates presence and an u	nfilled	bubb	le inc	dicates	absence by filling in this bub	ble			
Fill bubble if present - Plo	t 1	2	3	Flag Fill bubble if present - Plo	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	
									Other:		0		_
			48	PLOT COOR	DINA	TEC				0	0	이	Parker
O AA CENTER O N	3 () S3	(Long	gitud	e We		and comment below)	4.		Flag	
Flag Comments								ASSESSED OF					
Coll 5 to	Life Kan	ļ a	2	D-30 m tall prohitor and of BPN.	h+.	5)	0455	ege	bryond BP52	- <u>k</u>	SPN.	2	

															-0-0-					
FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial):																				
Site ID: PCAP	r	VIC	,	Jat	234	49						DATE	0.8	101	1	ລ	0	3	3	
Location:		70	-	201	201		in b	ubb	le(s)	if p			ld not be				ag -	→		
O AA Center O N	0	S	© E	E 0	w	OP			TO A COM	Plot		1	lot 3						1	
Fill in bubbles for all that apply: Ca Strata Section: Fill in appropriate of	nopy	Type:	D = D	eciduou for eacl	s: F = Everore	Buffer en. Leaf T or each plo	vne: E	3 = Bro	adleat	f: N = 1	Veedle	Leaf. A	Absent: No tree	e canopy. %); 3 = Hea	vy (40	-75%)	4 = V	ery He	eavy (>75%)
			osen		Buffer	Canopy				$\overline{}$	sent		Buffer Canopy Type:					T	sent	$\overline{}$
Plot 1 Leaf Type:) (4		Flag	Plot 2		f Typ	-) (\leftarrow	/3CIII	Flag	Plot 3			: ((<u>1)</u>	1		Flag
Big Trees (>0.3m DBH)	0		0	riug	Big Trees (>			O	0		0		Big Trees	(>0.3m DBH)	0	0	0	O	•	
mall Trees (<0.3m DBH)	0	0	Ō		Small Trees ($\overline{}$		0	0	Ŏ		Small Trees	(<0.3m DBH)	0	0	(0	0	
Woody Shrubs, Saplings	0	0			Woody Shrub	s, Saplings	0	0	0	-				ubs, Saplings im-5m HIGH)	0	0	0		Ŏ	
Woody Shrubs, Saplings	0	$\frac{\circ}{\odot}$	0		Woody Shrub		6		0	<u></u>	0		Woody Shru	bs, Saplings 0.5m HIGH)	0	Ō	0	Ō	ŏ	
Herbs, Forbs and	0	0	0).5m HIGH) Forbs and	0		0	0	$\frac{\circ}{\circ}$			Forbs and	0	0	®	ŏ	ŏ	
Bare ground 🕡 🕦	0	0	0		Bare	Grasses ground	0	0	0	0	$\frac{\circ}{\circ}$		Bar	Grasses re ground	0	<u>@</u>	0	ŏ	Ŏ	
Litter, duff ① ①	0	0				tter, duff	0	Ö	0	<u></u>	<u>@</u>			itter, duff	0	Ō	<u></u>		Ö	
Rock O	0	0	0			Rock		0	0	0	0			Rock	0	ŏ	<u> </u>	0	ŏ	
Water 🐠 🔾	0	0	0			Water	0	0	0	0	$\frac{\circ}{\circ}$			Water			0	<u></u>	Ö	2
Submerred A	0	0		<u> </u>		ubmerged		$\frac{\circ}{\circ}$	0	0	$\frac{\circ}{\circ}$			Submerged		\odot	0	<u> </u>	<u></u>	-
Vegetation (A)	\sim		Conf	rm that		egetation		\succeq				unfilled		Vegetation	ence l	\subseteq	\sim 1	-1	\subseteq	a
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors													LOY COLOR							
	-				-	1	2	3	Floo	Fill bubble			- 1	1	2	3	Flag			
FIII bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot Ditches, Channelization							Flag		-	IL S.			0		
Road - gravel	0	0	0		Ditches C		_		10	0	0	0	Pasture/Ha Range	шу			0	0	0	
Road - two lane	0	0	0		(IMPEDE FLC	(WC			0	0	0		Row Crops				0	0	0	
Road - four lane Parking Lot/Pavement	0	0	0		Water Level Control Structure					0	0		Fallow Fiel	d (RECENT-	RESTI	NG	0	0	0	
Golf Course	0	0	0		Excavation, Dredging					0	0		Fallow Fiel	d (OLD - GR	ASS,		0	0	0	
Lawn/Park	0	0	0		Fill/Spoil Banks Freshly Deposited Sediment				0	0	0	,	SHRUBS, TREES) Nursery				0	0	0	
Suburban Residential	0	0	0		Soil Loss/I	incedition	osure		0	0	0		Dairy				0	0	0	
Urban/Multifamily	0	0	0		Wall/Ripra	р			0	0	0		Orchard				0	0	0	
Landfill	0	0	0		Inlets, Out	lets			0	0	0		Confined A	Inimal Fee	ding	100	0	0	0	
Dumping	0	0	0		Point Sour		WATER	2)	0	0	0		Rural Resi	dential			0	0	0	
Trash	0	0	0		Impervious (SHEETFLOV	surface			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 Developm	ent S	Stres	SOF	s				7	1	Habit	tat/V	egeta	tion Stress	sors						
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Piot	1	2	3	Flag	Fill bubb	le if pres	ent -	Plot	1	2	3	Flag
Oil Drilling	0	0	0		Forest Clea	r Cut	110		0	0	0		Herbicide L	Jse			0	0	0	
Gas Wells	0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cuttin	g		0	0	0	
Mine (surface)	0	0	0		Tree Planta	ition	131	711	0	0	0		Trails	all live			0	0	0	3
Mine (underground)	0	0	0		Tree Canor	and the second second	ory	Bis.	0	0	0		Soil Compa				0	0	0	
		0	0		(INSECT) Shrub Laye		đ		0	0	0		Offroad vet		ige		0	0	0	
Military	0	0	0		(WILD OR DOI Highly Graz	ed Grass	ses		0	0	0		Soil erosion	(FROM WII		ATER,	0	0	0	
Other:				-	(OVERALL <3* Recently B		rest				0		OR OVERUSE Other:)			0	0	0	
Other: O O O O O				Canopy Recently B	urned Gra	assla	nd	0	0			Other:	in.			0	0	0		
Other:	(BLACKENED) Suspect measurement., F1,F2, etc. = misc. flags assigned t						igned h	hu and Gold arms												
Buffer Sample Plots		/27/:	Exp	lain all f	lags in comn	nent section	on on	the ba	ack of	this fo	orm	.3	, 32311 11010 0			242	3168	304		
- 2 T-1P.G . 10 to												_			-		_			

•						ER SAMPLE PLOTS -	TA	RGE	ETE	D AL	IEN SPECIES (Back) Reviewed	oy (initi	al):		•
		_							_		0] 12013			P 11	
	© Confirm	a fill	ed d	ata b	ubble i	ndicates presence and an uni	filled	bubb	le in	dicates	absence by filling in this but	bie		100	16.
Fill bub	ble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Fla
Eurasia	an 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 S	alvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic N	Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison	Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk				
Mile-A-N	Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoo	ot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	-
Canada	Thistle	0	0	0		Leafy Spurge	0	0			Other:	0	0	0	
	10 10				EME			0	0			0	0	0	
1275		RESSI	I dila	Ske.	NU S.	PLOT COORD	Milector	antication of the last	et and a	30	Other:	0	0	이	
	tion of coordinate CENTER O N3 Latitude N	3 () S3	•	E 3		Long	jitud	e We		and comment below)	3.		Flag)
Flag	Comments						NI B			SID!					240
	BP3 on	ly	23	5 N	mte	uri from BPa	. (<u></u>	10	10	ot go past d	- 0	A		
	huge da	70	06	7		io ha ii o tat	,		<u> </u>	11	or go past a	<u>يو.</u>	70	7_	
2	~ U					to trail as	1			15.00	0.0.01				
3	Trail n	ex	1	110	20:	2 10 Han an	<u>a</u>	<u> </u>	<u> </u>	1171	res down th	مع ا	ra	1/1/	æ.
	110011	<u></u>	110		، ۱ ر	3, unpaved	Dr	au	<u>۔</u>	tra	(1)				
$\neg +$															
															\neg
										•					\neg
									-	-					\dashv
							(u)	Name of		1 (88)			44		
	Duffer Committee			76							79666	5235	48		
	Buffer Sample Poin	its - T	arget	ed A	lien Spe	ecies 05/27/2011	1	9,19		us A.					
	(OSA 2														
	barberry 1														

					SEC. 1000	2020						-1100-11									*******		
FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAP NC 3449 DATE: 08 10 11 20 13																							
Site I	D:	79	AP	V	1 C	عِر	0						5.1	1 3 3		-08					1 3	3_	
Location	on:											le(s) if p	lot(5/9/9	uld not be	sample	ed a	nd f	lag -	→		
OAAC	Center	С	N	0	S	01	E 0			lot			Plot			Plot 3							
Fill in bubble	s for all th	at apr	olv: Ca	nopv	Tvpe:	D = [Deciduou	But s; E = Evergreen. L				Cov padlea				Absent: No tree	e canopy.						
								h strata type for eac										vy (40)-75%)	; 4 = \	ery H	eavy	(>75%)
Buffer Canopy Type: (a) (c) Absent: (Buffer Ca	у Тур	e: 🌘) A	bsen	t: O	Buffer	e: 🍘	((: O					
Plot 1	Lea	f Тур	e: 🚱	<u> </u>			Flag	Plot 2	Lea	f Typ	e: [) (Flag	Plot 3	Leaf	Тур	e: 🔞	<u> </u>			Flag
Big Trees (>	0.3m DBH)		0	0	0	0		Big Trees (>0.3m	DBH)	0	0	0	0	6		Big Trees	(>0.3m DBH)	0	0	0	③	0	
Small Trees (<	0.3m DBH)	0	0	0	0	@		Small Trees (<0.3m	DBH	0	0	0		0		Small Trees	(<0.3m DBH)	0	0	0	@	<u>O</u>	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0		0	0	0		Woody Shrubs, Sap (0.5m-5m H		0		③	0	0			bs, Saplings m-5m HIGH)		0	0	(1)	0	
Woody Shrubs (<0.	, Saplings 5m HIGH)	0	<u>@</u>	0	0	0		Woody Shrubs, Sap (<0.5m H		0	(0	0	0		Woody Shru	bs, Saptings 0.5m HIGH)	0	(4)	2	0	0	
Herbs, F	orbs and Grasses	0		0	0	0		Herbs, Forbs Gra	and ses	0	@	0	0	0		Herbs,	Forbs and Grasses	0		②	0	0	
Bare	ground	0	(0	0	0		Bare gro	und	0	0	0	0	0		Bar	e ground		0	②	0	0	
Litt	er, duff	0	0	0	0			Litter,	duff	0	0	0	0	6		L	itter, duff	0	0	0	0	(1)	
	Rock	0	@	0	0	0		R	ock	0	(3)	2	0	0			Rock	0	(0	0	0	
	Water	(0	0	0	0		Wa	ater	1	0	0	0	0			Water	0	0	0	0	0	
	bmerged egetation	@	0	(2)	0	0		Subme Vegeta		0	0	0	0	0			Submerged Vegetation	@	0	0	0	0	
SECURIOR SEC	See 730300	G0000140	e/Ab	send	:e - (rm that			-	tes p	resen	ce an	d an	unfilled			ence l	by filli	ng thi	s bub	ble.	6
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																							
Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble if p	rese	ent -	Plot	1	2	3	Flag	Fill bubble	if preser	nt - P	iot	1	2	3	Flag
Road - gra	ivel		nati	0	0	0		Ditches, Chann	eliza	ation		0	0	0		Pasture/Ha	у	2211	170	0	0	0	
Road - two				0	0	0		Dike/Dam/Road	2000	100 100		0	0	0		Range		e i ye		0	0	0	
Road - fou	ır lane			0	0	0		Water Level Co	ntro	Str	cture	1	0	O		Row Crops				0	0	0	
Parking Lo	t/Pavem	ent		0	0	0		Excavation, Dre	edgir	ng		0	0	0		Fallow Field		RESTI	NG	0	0	0	
Golf Cours	e			0	0	0		Fill/Spoil Banks		BIN	Wy S	0	0	0		Fallow Field SHRUBS, TRE	(OLD - GR	ASS,		0	0	0	
Lawn/Park				0	0	0		Freshly Deposit	ed S	Sedin	nent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial	1919	0	0	0		Soil Loss/Root	Ехр	osure	20	0	0	0		Dairy		23		0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Riprap				0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outlets				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Source/P	RM	VATER	()	0	0	0		Rural Resid	lential			0	0	0	
Trash				0	0	0		Impervious sur (SHEETFLOW)	ace	Inpui		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:		_	\perp	0	0	0	
Indus	strial De	evelo	pme	ent S	itres	son	5					1	labit	at/V	egeta	tion Stress	ors						
Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubble if pr	esei	nt - F	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent - I	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear Cut				0	0	0		Herbicide Us	se			0	0	0	
Gas Wells				0	0	0		Forest Selective	Cut			0	0	0		Mowing/Shr	ub Cutting	,		0	0	0	
Mine (surfa	ace)			0	0	0		Tree Plantation			38	0	0	0		Trails				0	0	0	7
Mine (unde	erground)	76.1	0	0	0		Tree Canopy He	rbivo	ory		0	0	0		Soil Compac				0	0	0	
Military	TI SALI		3.2	0	0	0		Shrub Layer Bro		d		0	0	0		Offroad vehi	E-VOLTO-DILL	ae		0	0	0	
Other:				0	0	0		(WILD OR DOMESTIC Highly Grazed G	rass	es		0	0	0		Soil erosion	(FROM WIN	404774	TER,	0	0	0	
Other:				0	0	0		(OVERALL < HIGH) Recently Burned		est		0	0	0		OR OVERUSE) Other:		100	1	0	0	0	
			100					Canopy Recently Burned	Gra	sslar	nd					Other:			=				
Other:	na codos:	K = N	lo ma	0	O	O		(BLACKENED) uspect measureme				O	O	<u> </u>	anad h		D/W		<u>—</u> L	0		0	
						Exp		ags in comment s							91160 0	y sacri lield Ch		2	2428	168	304		
Bl	ıffer San	ibie i	-10[5	U5/	/27/2	TIV																	11 274

FC	ORM	B-	1: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TE) ALI	EN SPECIES (Back) Reviewed by	y (initia	ıt):		
Site ID:	P	CA	19	N	C 3449	DAT	E: <u>(</u>	5, (<u>8</u> ./	0.1.12.013				
Confirm	a fille	ed da	ita bi	ıbble ir	ndicates presence and an unf	ilied l	oubbl	e inc	licates	absence by filling in this bub	ble			HL XV
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	10.00	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	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
						1 2 3 2 2				Other:	0	0	0	
		1 3		15.47	PLOT COORE	INA	TES	100	338		1700			
Location of coordinate O AA CENTER O No.	es (cl	hoos	se or	as poss ne): O E3	O W3 O Nearest prac	eticab	le loc	catio	n (flag	and comment below)			Flag	
Flag Comments													FINE STATE	
1 0:14 1		1			0-1/1-10									
1 Brace T	<u>rai</u>	1	uc	<i>t</i>	south of plot	2	1	1					,	
2 Very Ion	٠.	N	M	le	confidence,	20	/·,·	bu	it 1	+ wastaking 1	Na	4	too	0
long										J	_			
	-													
									W W					
										-				
									-					
		Will		STILL										
Buffer Sample Po	ints -	Targe	eted	Alien Sı	pecies 05/27/2011					7966	623	548		

	_																	_		
0					RM B-1:		ER S	AMI	PLE	PI	LOT					wed by	(initial):	_	
Site ID: PCAP	1	1	0	797	3344				100				<u>.0.8</u>		_		<u>O.</u>	1	3_	
Location:						Fill	in bu	bble	(s) i	f p	lot(s	s) cou	uld not be	sample	ed a	nd f	ag ·	→		
O AA Center O N	0	S	01	E 0	W		lot 1		O PI				Plot 3							
Fill in bubbles for all that apply: Car	nopy	Type:	D = 0	Deciduou		Buffer een. Leaf T							Absent: No tre	e canopy.						
Strata Section: Fill in appropriate of	over (cláss t	bubble	e for eac	h strata type f	or each plo	í. 0 = Ab	sent; 1	1 = Sp	arse	(<10%	%); 2=M	oderate(10-40	%); 3 = Hea	vy (40)-75%)	; 4 = \	ery H	leavy	(>75%
Buffer Canopy Type:	ıt: O	Buffer	Canopy	Type:		Absent:				Buffer	Canopy	Тур	e: 🌘	Absent:						
Plot 1 Leaf Type:				Flag	Plot 2	Lea	Type:	•	<u> </u>	L		Flag	Plot 3	Leaf	Тур	e: 🔮	<u>(</u>		_	Flag
Big Trees (>0.3m DBH)	<u> </u>		0		Big Trees (>0.3m DBH)	\odot	<u> </u>	<u> </u>		<u>O</u>		Big Trees	(>0.3m DBH)	0	0		0	0	
Small Trees (<0.3m DBH)	<u> </u>		0		Small Trees (<0.3m DBH)	0	<u> </u>	⊙ €		<u>O</u>		Small Trees	(<0.3m DBH	0	0	0		0	
Woody Shrubs, Saplings (0.5m-5m HIGH)	②		0		Woody Shrub (0.5n	s, Saplings n-5m HIGH)	0	\mathfrak{I}) C	<u> </u>				ubs, Saplings 5m-5m HIGH)		0	9	0	$ \odot$	
Woody Shrubs, Saplings (<0.5m HIGH) Herbs, Forbs and	0	0	0		Woody Shrub	s, Saplings 0.5m HIGH)	0) (C	<u> </u>	0			ibs, Saplings <0.5m HIGH)	0	0	(3)	0	0	
Herbs, Forbs and Grasses O	<u>②</u>	0	0		Herbs,	Forbs and Grasses	0) (C	<u> </u>	0		Herbs	, Forbs and Grasses	0	•	0	0	0	\Box
Bare ground ①	0	0	0		Bare	ground	0) (<u> </u>	0		Baı	re ground	0	0	0	0	0	
Litter, duff 🕢 🕦	<u></u>	0			Li	tter, duff			-	<u>5</u>			L	itter, duff	0	Ō	(2)	0		Г
Rock (1)	<u>~</u>	0	Ō	†		Rock			-	<u> </u>	Ō			Rock			0	0	0	<u> </u>
Water ()	$\frac{\circ}{\circ}$	0	$\overline{0}$			Water		= ;		<u>ə</u>	$\frac{\circ}{\circ}$			Water		0	0	0	$\overline{\odot}$	
Submerged (a)	$\dot{\overline{}}$		$\stackrel{\sim}{\sim}$		s	ubmerged		\lesssim		췼	$\frac{\circ}{\circ}$			Submerged		$\overline{\odot}$	0	<u>0</u>	$\overline{\odot}$	
Vegetation Vegetation				45-4		/egetation	-		<u> </u>		\subseteq	Gillad	d bubble indicates absence by filli					_		-
		- COLUM			Γ			-	AND THE	and	J an t	unned					363.63	and the		0.00
Residential and Urba			Hydrolo				_				Agricult		- 1				-			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot				1	2	3	Flag			IC-P	IOE	1	2	3	Fla
Road - gravel	0	0	0	<u> </u>	Ditches, C				-	9	0		Pasture/Ha	зу			0	0	0	
Road - two lane	0	0	0	<u> </u>	Dike/Dam/Road/RR Bed (IMPEDE FLOW)			-	-	0	0		Range				0	0	0	
Road - four lane	0	0	0	<u> </u>	Water Level Control Structure			_	+	0	0		Row Crops Fallow Fiel		DECT	NC	0	0	0	
Parking Lot/Pavement	0	0	0		Excavation, Dredging			-	_	0	0		ROW CROP FIEL	D)		NG	0	0	0	-
Golf Course	0	0	0		Fill/Spoil B		adimor		_	0	0		SHRUBS, TRE		, mua,		0	0	0	<u> </u>
Lawn/Park	0	0	0		Freshly Deposited Sediment (UNVEGETATED)				-	0	0		Nursery				0	0	0	-
Suburban Residential	0	0	0		Soil Loss/Root Exposure			-	_	0	0		Dairy				0	0	0	-
Urban/Multifamily	0	0	0		Wall/Riprap			-	_	0	0		Orchard				0	0	0	
Landfill	0	0	0		Inlets, Out Point Sour			-	_	0	0		Confined A		ding		0	0	0	
Dumping	0	0	0		(EFFLUENT O	OR STORM		_	_	0	0		Rural Resid	dential			0	0	0	
Trash	0	0	0		(SHEETFLOV		input			이	0		Gravel Pit				0	0	0	-
Other:	0	0	0		Other:			_	_	0	0		Imigation				0	0	0	
Other:	0	0	0		Other:			-19	0	0	0		Other:				0	0	0	
Industrial Developme	ent S	Stres	sor	S					На	bit	at/Ve	egetal	tion Stress	sors						
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble	if preser	it - Plo	ot 1		2	3	Flag	Fill bubb	le if pres	ent -	Piot	1	2	3	Flag
Oil Drilling	0	0	0		Forest Clea	r Cut		(O	0	0		Herbicide U	se			0	0	0	
Gas Wells	0	0	0		Forest Sele	ctive Cut		1	0	0	0		Mowing/Shi	rub Cutting	,		0	0	0	
Mine (surface)	0	0	0		Tree Planta	tion				0	0		Trails				0	0	0	
Mine (underground)	0	0	0		Tree Canop		гу	+	_	0	0		Soil Compa				0	0	0	
Transport of the second of the					(INSECT) Shrub Laye	r Browsed	1		-	_	5-270		(ANIMAL OR H		00			10000		
Militory		0	0		(WILD OR DON	(ESTIC)			-	•	•		Offroad veh Soil erosion		•	TED	0	0	0	
Military	0	-			Highly Graz		es								ID: VIII	ALEK'I				4
Military Other:	0	0	0		Highly Graz (OVERALL <3" Recently Bu	ed Grass HIGH)		-	-	0	0		OR OVERUSE	the state of the state of	, W	"EX	0	0	0	-
	-	-				ed Grass HIGH) Imed Fon	est	(-	0	0		OR OVERUSE	the state of the state of			0	0	0	

Buffer Sample Plots 05/27/2011



FC	RM	B-	1: 1	SUFF	ER SAMPLE PLOTS -	TAI	RGE	TEI	D ALI	EN SPECIES (Back) Reviewed b	y (initia	i):		0
Site ID:	P	CI	AF	N	16 3449	DAT	E: (2	81	0 1 20 13				
© Confirm	a fille	ed da	ita bi	ubble i	ndicates presence and an unf	illed	bubbl	le inc	dicates	absence by filling in this bub	ble		1	
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	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0		0	_
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0		0	
			E.			AM				Other:	0	0	0	
	To any			TE COL	PLOT COORE	INA	TES	1888	Name of				\overline{a}	Tier-
O AA CENTER O N3 Latitude N		O S3		O E3						and comment below)			Flag	
					Use Decimal Degra									
Flag Comments												ACC NO.	Tal.	
								_,						-

														\dashv
														\dashv
			-										-	\dashv
														
Buffer Sample Poi	nts - 1	Targe	ted /	Alien Sp	pecies 05/27/2011					7966	623	548	1	