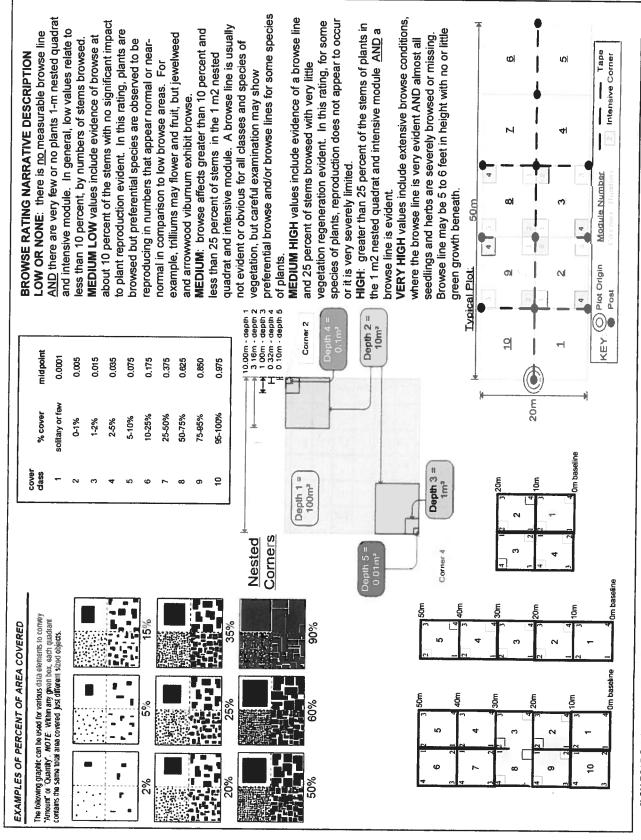
Project Label:	PCAP PCAP		Plot No	»: <u>3499</u>	_Date Sampled	8/1/	Cleveland Me	1 Mill
			~		Comment requ	ired if item :	answer is NO	
Parking/Access out	side of Park Boundaries:	Y	(N)	If yes, write	e details in Com			
Field journals comp	leted	(Y)	N					
Site sketch made on	1:3000 map?	M	N					
Check cover page	X-axis Bearing of plot recorded	(9)	N					
	GPS coords. Recorded	8	N		-			
	North direction recorded	(3)	N	1				
	Photographs taken?	(3)	N					
Plot No., Date agree		(v)	N	 				
Header data comple		(A)	N	 				
	led in all Intensive modules	(1)	N					
Browse Level By Sp		8	N					
Woody stem quality		T (V)	N	+			- <u> </u>	
Invasive plant qualit		(W)	N	1				
Ash trees mapped	y control cheek	(2)		 				
Cover by Strata? (co	nfirm cover type)	Ø	N N	 				
	ed with matching plot #.	1 8	N	 				
	datasheet with initials and number	(v)	_ N	 				
Vouchers labeled on		18	N	-				
	collection bag		N	 				
Pink flags removed	1 1 1 0	1 8	N					
Data sheet QA before		1 (D)	N	- 142				
Common equipment		(S)	N	-				
Data sheets scanned		1-8-1	6-13					
Final data sheets scar		+		Enter date to				
Buffer Widths measu	ired?		N	CL	8-16-13			
Web Soil Survey			N	AB	8/16	113		
Voucher Location	Refrigerator	(y)	N	<u> </u>				
# vouchers collected)	Press (#)			Enter numbe	er to left			
JAM 161-	Drier	Y	N					
165	Identified	Y	N					
.09	Mounted	Y	Ň					
. "	Thrown away	Y	N		-	ALCONICO EN EN		
GRTS point verifica	tion: Is plot sampleable?							
Yes	Original GRTS point is sampleable							
□ No	Original GRTS point lands in a non-	sampleable	area (fi	Il in category	below)			
	□ Point falls in a water (i.e. river,)							
	Managed mowed area (i.e. golf	course, picnic	area, righ	t-of-way)				
	□ Paved area (i.e. parkinglot, road)							
	Unsafe to sample (i.e. steep slope Other)						
dditional Commen			_					
Data Quality Contr	ol 2011.xls last revised 6/20/2011 o				Notice of F		Mangement Fo	

		Somo My
CLEVELAND METROPARKS Plant Co.	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	Data Sheet
GENERAL INFORMATION	LOCATION	
Project Label: PCAP	State: OH County: Cycal ado	A
Project Name: 0 RR 7013	angle: UAK.	
Plot Name: Cicado Killer	Names: Willow) Creek Pione Avan	2.10 Y
Plot No.: 3499	Landowner: CMP	#8
 Level 4 (no nested corners sampled) 	Data Confidentiality:	1 2 1
Level 5 (nested corners sampled)	Check one: Public data Drivate Data	
Date (mm/dd/yyyy):08/01/2013	□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	* #5 #3 #4 #5
End date (if > 1 day): / /	Reason:	3 4
Party Role**	If data not public why?	Ney: 0(0.0) point Spoint point photo taken, bocation of with direction permanent posts
J. Millar Plot leader	□MAP ■ GPS	NOTES: Include Layout (any unusual shape details). Location (directions and landscape
B. Balland Woody Tech	Coordinate system: Coord. Units	dominants, strata, BROWSE). Additional notes in space on back.
K. Chelsa 11 "	■ LavLong □ UTM □ ŞtatePlane ■ deg □ deg min	-avaut: 7×5
	□ Other (specify) ■ m □ ft □	
	Datum: ■ NAD83/WGS84 □ NAD27	Location. Park @ grave pull-off on V. Parku
** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.	GPS location in plot $x=0$ to 5, $y=-1,0,+1$):	~ (a) of the solution of the s
PLOT NOT SAMPLED:	$x = \bigcirc y = \bigcirc$ (base of plot x=0, y=0)	CONTRACTOR OF THE PROPERTY OF
□ Perm. water □ Paved □ Slope □ Safety	Latitude: N 041.39193	and tollow wish to trang the aver all we are
SAMPLING QUALITY*	Longitude: W 081. 87870	Woodlies or cross it nottoo deep, then take
Effort Level: subjective evaluation of how much effort put into	Coord. Accuracy: of m of f +- 7	path east to plot a lodin.
Accurate may still provide good	Plot size for cover data: (7), (hectares)	2 ahunale, GRTS point
n Hurried data	of plot:	
TAXONOMIC ACCURACY		Veg. Character 72770. Young and middle-aged
high modera low not smpl	Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)	.
		Sugar maples dominate the campy with large unathe
bryo /	Photo Nos.: 1568 , (3	the
lichen	Plot placement: GRTS Representative	ved oak. Vitis is interpresed in the compy.
TAXONOMIC STANDARD	ed Random 🏻 Trans	my laye
Authority: G&C Pub Date: 1998	□ Systematic (grid) □ Capture specific feature □ Other	
Minimum required fields in Bold and Underlined	*Definitions and values in CM PCAP FOM v 10 and CVS Field Guide	

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	nmunity Assessment F	Program - Backgrou	ind Data	Sheet		!	œ ·	Schreiund Munumma
Project Label:	PCAP	Project Name: 01 RR 2013	:: OI RR	2013		Plot No.:	3499	Page 2 of 2
MODIFIED NATURESERVE CLASS*			DISTU	DISTURBANCES				
CODE (on separate form):	Fit=Conf=		type*	severity**	yrs ago	% of plot	description	
-			Human	ML	0	100%	trash	
			Natural	I	0	100%	flooding, windfall	Mall
COMMUNITY NAME:			Fire				· ·	
Masic Floodplain Forest			Cut					
	,		Animal	Σ	0	100%	deer himmse	
			Other					
HOMOGENEITY			**L=low.	ML=med lov	v. M≕med	MH≐med	**L=low. ML=med low. M=med, MH=med high, H=high, VH=very high	gh
□ Homogeneous □ Compositional	□ Compositional trend across the plot		Current	Current Land Use:	CMP			
Conspicuous inclusions a Irregular/pattern mosaic	mosaic		Former 1	Former Land Use:	UMIK.			
Calbudy thed of	HYDROLOGIC REGIME*	GIME*						
	□ Upland (seldom flooded)	n Inter	□ Intermittently flooded	oded				
SALINITY*	☐ Intermittently/scasonally saturated		□ Semipermanently flooded	y flooded				
n Saltwater	(seldom flooded)	а Рет	Dermanently flooded	oded				
□ Brackish	☐ Permanently/Semipermanent. saturated		☐ Tidal/Sciche flooded daily	ded daily				
a Fresh	(dry <1/yr. seldom flooded)		//Seiche floo	☐ Tidal/Seiche flooded monthly				
√Upland (n/a)	Cocasionally flooded (<1/yr)		1/Seiche floo	☐ Tidal/Seiche flooded irregular				
	☐ Temporarily flooded	(c.g	(e.g. wind, storms)	ns)				
(by default unless plot is a wetland)		a Unknown	nwon			^	יושיויין	
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.) and stightly muddy due to a flooding events. Frox see	ess of plot to the stand, success	sional status, maturity, et	c.) seedling	lox ra	10 Part	Nya K	Carya seedlings, Ansoems	tripuyllum etc
part of the polet (hesituals)	enduals) has the	bondle path	thas.	څ ځ	and a	Swall	has the bridge path though it and a swath of Glycuna Elyans	Elymas
and other powers (Ginner?)		•	_				d	
Course & five woody debors		in poots of p	n - to]	iven is alt	20	e e	deposited in parts of plot - much is also bave soil. Mod & ov/ a windfalls	a windfalls
Corran butten up in	.; e							

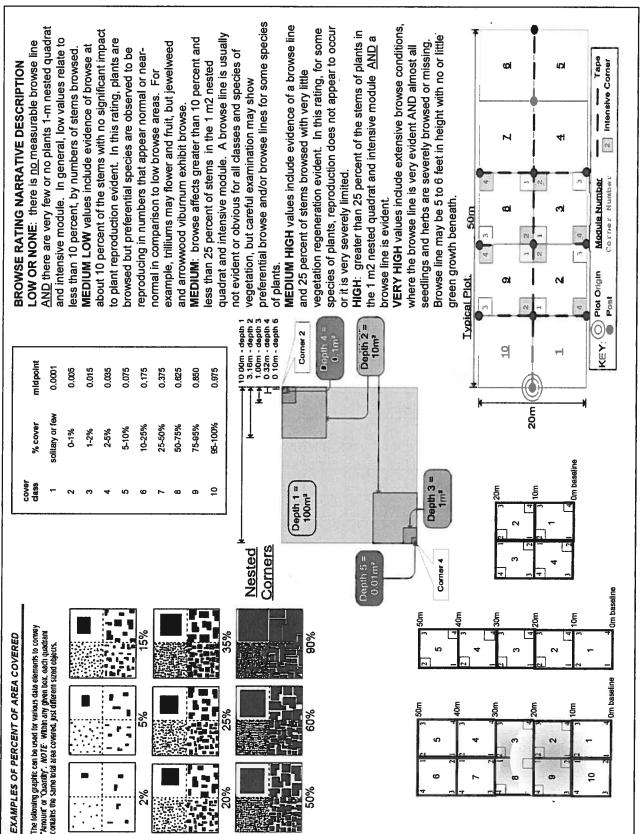
 ω Strata - Cov. entire plot **CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a** ኇ Cieveland Metroparks Total modules: Project Label: 5 S H (F)(A) Br **(** 62 **I** 12 17 ව්ර UMUS SAP M055 Allium Quercus rubias Importiens capensis 1000 coo 500 VIB CHARO Powers sap ? dos winet Verbesina Alliaria petiolata Aesiulus Jana Cardiformis alycenia Pilea pumila Lysimachia nummularia Rosa multiflora Eupatorium rugosum Aver soo. Polygonum virginianum describe amount of browse per species over Frankinus spp Acer sawnarum irio dandron tuliphera Arisaema triphyllum triphyll Br = Browse Level. Use cover classes to oxicodundran radicans 0 micocohum alabra Species entire plot striata (seed linas alternitolia (seedlings) seed I nas ი Intensive modules: %unveg. ground (bare soil) %unvegetated open water intensive module: Estimate for each %unveg. litter (bare litter) Project name: 01/2/2013 AM 16 アナーナイ Voucher # %open water ے depth 7 ~ Ľ. L 7 S 2. mod 2 O -11 84 N W N در S CG 17 N 1 7 三 depth رب 30 2 N Plot configuration: N 14 4 1-2 ىن 17 1 ş 8 W IN Plot no .: 3499 د 13 00 ᆌ 1 cov depth C 8 depth L. C M <u>8</u> N 7 2×5 comer d 8 8 depth Bott 13 v 13 U 3 2 COV O ş N 4 Q depth _ C 30 20 N Plot area (ha): 0.1 8 ş depth ع 17 در N 2 Page 1 comer mod 4 در CO N 3 6 62 cov | depth O cov depth K N J 0c 1 N 13 13 2 0 W comer G 8 8 depth depth a od comer 9 60

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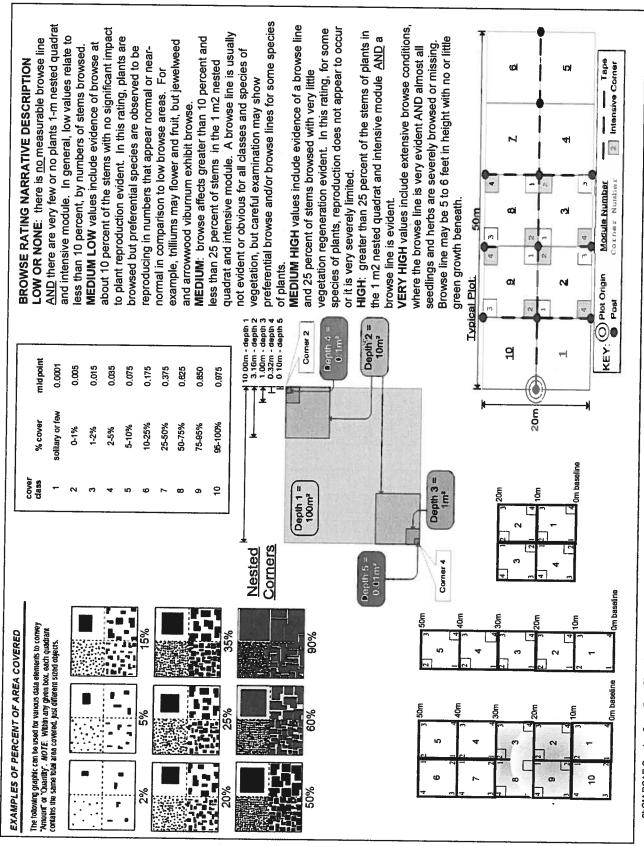
2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

	Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: じしんれてします。	nent Program Species C	s Cover Dat の RR し		Plot no.: 3499	199		Page 2	of 3
	Total modules:	lo	Intensive modules:	니 Plo	Plot configuration:	n: 2×5		Plot area (ha):	a (ha): 🗘	
	©		Estimate for each	T 4 7 mod	corner mod corner	ner mod comer	mod corner mod	mod corner mod	comer mod	8
	Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	<u> </u>	depih cov depih	cov depth	cov depth cov	depth cov d	cg (cov depth	cov depth cov
	Metroparks	entire plot	%unvegetated open water			- +				
	Strata - Cov. entire plot	ot	%unveg. ground (bare soil)	-	4 -		\\			
	T S H (F)(A) Br	Br Species	_	depth cov i depth	cov depth					The state of the s
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- Control	Ė	that dicet + carastium sp	X JAM 162	1						
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	2	Parthenocissus quinquefolia		_			- -			
	- - -	Acer rubrum				5 4	2			
	T	U burnum spp.				12/		2		
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		Sassafrass albidum					3	2	2	S
		tranquia vinus					3			
1	,	alloa		+						
	7	(Querus see (seedlings)					2 2	2	2 2	P
18 F	2 1	Asteria eza	C5 1575	_			2 2 1	2 2		¥
		tehans					-	W		
		Polyadnum Spe Caspitosum	X \AM 163	-			- -			
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Ž,	1-3	Amic tours sop.	C3 1576							
9	,	lerbens urticatolia	C3 1572							
		Catalog Securio		_			- 4	-		



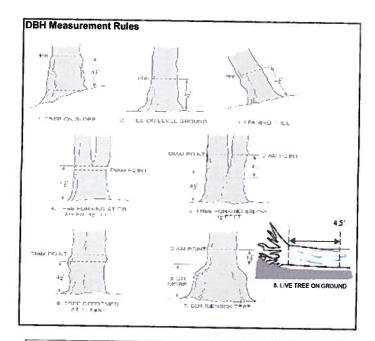
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CL	EVELAND MI	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a	nent P	rogram Speci	es Co	ver	Data	She	et 2a									Page	6	W	Q	2	
Pr	Project Label:	PCAP		Project name:	0	120	01 22 2013	7.		Plot	Plot no.: 3491	34	63	•					i		1	- 1	
10	Total modules:	0	Inter	Intensive modules:	τ		Plot	confi	Plot configuration:	tion:	2	2 x 5			•	Plo	Plot area (ha):	a (ha		0.7			
	>				pom	comer		corner	mod comer	comer	DOM	comer	T 1	сотнег	Dom ,	+	er mod	8	comer m	mod corner	mer	mod o	соппе
	3	Br = Browse Level. Use cover classes to	inter	intensive module:	depth	LJ.	depth	§ L	depth	1×	depth	COV	depth		- -1-	δί	depth		COV de	depth	8 (de plh	8 2
ŽΩ	Cleveland	describe amount of browse per species over entire plot	%unv	%unvegetated open water	- -	1			- -		T		- -		†-	+			+-	-	100		
Stra	Strata - Cov. entire plot		%unve	%unveg. ground (bare soil)	- -				4				- -	\sqcap	- -	+1		H		+	100		- 10
-	S H (F)(A) Br	Br Species	-	Voucher#	depth	ş	depth	§	depih	8	depth	8	depth .	ê	dep	COV	depth	-	cov / depth		00V	deoth	g
	-	Lobelia											-	\neg			_	-		_	_		
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		e 300 3 Loursiavirgin	X)AM 164										7						311			
	-	Craturalis spp. SEE 11-4-	(J	editor day									1	_			46					_	
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	-	Ranunculus vacurvatus																		LEAST NAME OF THE PARTY.	-	<u></u>	
	_	Viburnum dentatum				L.,				77,								1/6		NI S	7	<u> </u>	
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2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet mod # Explain subsample (additional room on back): Acer Clark Hesculus Glabad loxicology radians Standing VILLS SP (8118) STANKING Her NORM Linders benzoin Joxicalendron radicans Hier Hesculus Hie saichaium Linoderdon to pitad Vitis Sp Linderd benzoin iciodendon phie a Hre sachanin Sacchary (orditolm, 5 SA (Charum abord CCHARUN dead Denzo.c DC. Noca dead Project Label: PCAP voucher# # stems browsed 0-1.4m 0 sample or super % sub Project Name: 01 REZOIS clumps shrub 1 size class (cm) woody stems >1.4m 7 1-<2.5 2.5-<5 00 Plot No.: 3499 7: 10 ۶<u>~10</u> 4 • 0 10-<15 15 - <20 6 20 - <25 Page: 25 - <30 30 - <35 으 Gereland Metroparks 35 - <40 5 87.1 53,3 >40 (record each tree) 61.0,54.2 Ξ



Woody Stem Deer Browse

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

Record using the tally system from 1 to

10













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

C

D

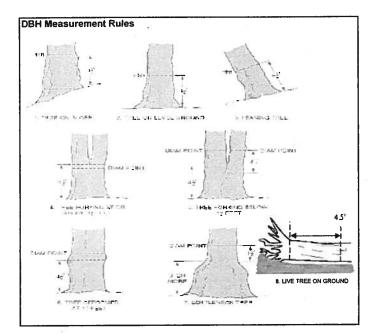
Е

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.

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	Community Assessme	ent Program Natural Wood	ral Woody Ster	n Data Sheet	AAD	į	®	eveland Metapaarks
Explain subsample (additional room on back):	back):	i ojectivalile.	180	Plot No.: 25th	7	Page: 'L	o <u>.</u>	V
	# stems 0-1.4m o	% sub # size	size class (cm) woody stems >1.4m	ems >1.4m	5			
apocias o	voucner# browsed	sample clumps 0-<1	1-<2.5	2.5-<5 5-<10 1	10 - <15 15 - <20	20 - <25 25 - <30	3	<40 >40 (record each tree)
5 Rost MultiPlant	à							
5 Fraxinus SV).	•							
5 Fraxious pensyllanid	600							
O Vins >p			ų e	•				
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6 Linodendran tigited							6	
6 Pinus strobes								51.3
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& Hier salcham	•			. 69	٥			



Woody Stem Deer Browse

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

Record using the tally system from 1 to













ASH CANOPY CONDITION

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



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c

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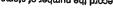
E

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

- A: All main branches contain fine twigs (newly dead).
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- E: Central stem still standing.

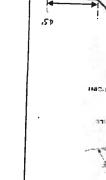
	LEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	င္ပ	mmunity +	ssessm	ent Proc	gram Na	tural W	oody Si	em Dat	Sheet				J	_	(Servel)	(A) Greveland Metroparks
	Project Label:		PCAP		Project	Name: _	Project Name: 0182013	2013	_	Plot No. 344	49		Page:	\ <u>\</u>	앜	U	
	Explain subsample (additional room on back):	back)														
		\dashv		$\overline{}$			size class (cm) woody stems >1.4m	cm) wood	/ stems >	.4 m	υn	o	7	6 0	ø	ő	=
nod #	species	n	voucher#	browsed	sample	clumps	<u> </u>	55	2.5-<5	5×10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	>40 (record each tre
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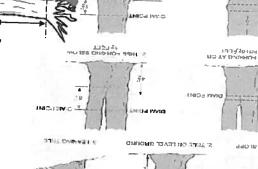


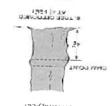
Woody Stem Deer Browse

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

Record using the tally system from 1 to





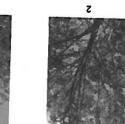


DBH Measurement Rules





8. LIVE TREE ON GROUND







ASH CANOPY CONDITION

- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves. 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 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.
- 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 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.



3

a

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

A: All main branches contain fine twigs (newly dead).

B: Over 50% of main branches have fine twigs.

D: Stem still standing and tertiary main branches present. C: Less than 50% of main branches have fine twigs.

E: Central stem still standing.

* 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)

Tier 1: Early detectio	n/ Rapid response		Pı	esend	e		GPS	1000
BAI		NE	SE	SW	/ N\	N		Presenc
Microstegium vimineum	Japanese stiltgrass						ni ni	X: yes
Ranunculus ficaria	Lesser Celandine							
Cynanchum Iouiseae (vine		┸-	_					
Butomus umbellatus (wetland	d) Flowering Rush							2,91
Heracleum mantegazzianum	Giant Hogweed							
Tier 2: Assess	as Needed			f Plan	ts		comments	
Accordate		NE	SE	SW	NV	V		# of Plan
Acer platanoides	Norway Maple							1: 1-10
Ailanthus altissima	Tree of Heaven		_					2: 11-50
Lonicera japonica (vine)								3: 51-10
Lythrum salicaria (wetland		11						4: 101-1,0
	Bishop's Goutweed							5: >1,00
Celastrus orbiculatus (vine)								
Torilis sp.	Hedgeparsley							
Conium maculatum	Poison Hemlock							
Rhamnus cathartica	Common Buckthorn (shrub)			T				
Berberis thunbergii	Japanese Barberry (shrub)	\Box		Π	1			
Alnus glutinosa	European Alder							_
Dipsacus laciniatus	Cut-leaf Teasel				\top			_
laeagnus umbellata	Autumn Olive (shrub)	Г		T		 		
onicera maackii	Amur Honeysuckle (shrub)			1		1		
uonymus fortunei	Wintercreeper			1	_			
Tier 3: Presence i	s of Interest		# of	Plant	s	14 - 14	comments	
		NE	SE	sw	NW		comments	# of Plants
	Lily of the Valley				1			1: 1-10
	Crown Vetch			T	+-	 		2: 11-50.
leutherococcus pentaphyllus	Five-leaf Aralia (shrub)				_	 		
achysandra terminalis (G-cover)	Japanese Pachysandra				+-	 		3: 51-100
hiladelphus coronarius	Mock Orange (shrub)			 	+	 		4: 101-1,00
								5: >1,000
ulmonaria officinalis (G-cover)	Lungwort				+			
ulmonaria officinalis (G-cover) ubus phoenicolasius	Lungwort							_
ubus phoenicolasius	Lungwort Wineberry							
ubus phoenicolasius ris pseudacorus (wetland)	Lungwort Wineberry Yellow Flag Iris							
ubus phoenicolasius ris pseudacorus (wetland)	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem							
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub)			I				
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub)		Pres	I				
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant	NF T	_	ence	NIM		comments	
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant	NE L	Pres	ence	NW		comments	# of Plants
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant Garlic Mustard		_		NW T		comments	1: 1-10
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant Garlic Mustard Common Privet (shrub)		SE				comments	1: 1-10 2: 11-50.
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a lliaria petiolata gustrum vulgare morrowii, L. tatarica	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub)		SE				comments	1: 1-10 2: 11-50. 3: 51-100
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a lliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass		SE				comments	1: 1-10 2: 11-50. 3: 51-100 4: 101-1,00
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a lliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea pragmites australis (wetland)	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass Phragmites		SE				comments	1: 1-10 2: 11-50. 3: 51-100
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a lliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea nragmites australis (wetland) olygonum cuspidatum	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass Phragmites Japanese Knotweed		SE				comments	1: 1-10 2: 11-50. 3: 51-100 4: 101-1,00
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a lliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea nragmites australis (wetland) olygonum cuspidatum angula alnus	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn (shrub)	i	SE	sw			comments	1: 1-10 2: 11-50. 3: 51-100 4: 101-1,00
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a lliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea nragmites australis (wetland) olygonum cuspidatum angula alnus osa multiflora	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn (shrub) Multiflora Rose (shrub)		SE				comments	1: 1-10 2: 11-50. 3: 51-100 4: 101-1,00
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a lliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea nragmites australis (wetland) olygonum cuspidatum angula alnus osa multiflora pha angustifolia, T. x.glauca	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn (shrub) Multiflora Rose (shrub) Cattails (wetland)	i	SE	sw			comments	1: 1-10 2: 11-50. 3: 51-100 4: 101-1,00
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a lliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea nragmites australis (wetland) olygonum cuspidatum angula alnus osa multiflora rpha angustifolia, T. x.glauca rrsium arvense	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn (shrub) Multiflora Rose (shrub) Canada thistle	i	SE	sw			comments	1: 1-10 2: 11-50. 3: 51-100 4: 101-1,00
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a Iliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea nragmites australis (wetland) olygonum cuspidatum angula alnus osa multiflora pha angustifolia, T. x.glauca rsium arvense psacus fullonum	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn (shrub) Multiflora Rose (shrub) Cattails (wetland) Canada thistle Common Teasel	i	SE	sw			comments	1: 1-10 2: 11-50. 3: 51-100 4: 101-1,00
ubus phoenicolasius ris pseudacorus (wetland) rnithogalum umbellatum iburnum opulus var. opulus iburnum plicatum Tier 4: Widespread a Iliaria petiolata gustrum vulgare morrowii, L. tatarica nalaris arundinacea nragmites australis (wetland) olygonum cuspidatum angula alnus osa multiflora pha angustifolia, T. x.glauca rsium arvense psacus fullonum esperis matronalis	Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) Ind abundant Garlic Mustard Common Privet (shrub) Bush Honeysuckles (shrub) Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn (shrub) Multiflora Rose (shrub) Canada thistle	i	SE	sw			comments	1: 1-10 2: 11-50. 3: 51-100 4: 101-1,00

	LEVE
Project Label: PCAP	LAND METROPAR
	KS Piant Commu
Project Name: CI KICKUIS	LEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
NICKOLD	rogram - Plant Cov
	er and Earth Surfa
	100

Plot No.: 3499

@ Gleveland Hebaparter Page: 1 of 1

STANDING BIOMASS (required for emergent wetlands) collected in 0. Im clip plots (32x32 cm) from comers 1 and 3 in each intensive module. Required for VIBI-E score calculation. CF-check when collected Aodule # ဌ Corner

CLASSIFICATION		
(FIT = exactiont, g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
DEPRESSION	F	Conf=
IMPOUNDMENT to Beaver to Human	Fi	Conf=
ORIVERINE - Headwater - Mainstem - Channel	E	Conf
□ SLOPE (ground water hydrology or on a physical slop*	F	Conf
n FRINGING to Reservoir in Natural Lake	Fig.	Conf
COASTAL (specify subclass)	Fit	Conf
n BOG (strongly, moderately, weekly ombrotrophic)	Fil	Conf
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	CYTN	
□ FOREST □ swamp forest □ bog forest □ forest seep	Ŧ	Conf=
□ EMERGENT □ marsh □ wet meadow □ open bog	7	Conf
SHRUB o shrub swamp o tall sh. bog o tall sh. fen	H	Conf

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only Panks for microhabitat features. Select one or select two and average the score.NOTE: If mod falls on a slope automatically gets ranked based on steepness (1-2) to begin + any features present

Stope 2 = falls on slope ~20 °

Stope 3 = maximum steepness that can be safely sampled ~45°

feature is absent or functionally absent from the wetland

slepe 1 = slight elevational grade across module (hill)

- 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

no of no of no macro c.w.d c.w.d microhab.						c.w.d count	for pieces with	c.w.d count for pieces with minimum 1m length	
tussocks hummocks depressions (2-12 cm) (12-10 cm) >40 cm			no. of	no of	no. macro.	c.w.d	c.w.d	c.wd	microhab
depth 3 depth 2 depth 1 dept			tussocks	hummocks	depressions	(2-12 cm)	(12-40cm)	>40 cm	interspers.
depth 3 depth 2 depth 1 dept			•	uplands (Tip-Ups)					
1x1m 3.16x3.16m 10x10m			depth 3	depth 2	depth I	depth 1	depth (depth I	depth 1
			lxim	3 16x3 16m	10x10m	10x10m	16x10m	10×10m	10x10m
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		corner	(count)	(count)	(count)	(count)	(count)	(count)	(rank)
0 0 0 3 21 2 0 0 0 0 0 3 21 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	رو		0	0	છ	30	O	0	2
0 0 0 a 2 1 0 1 0 0 1 2 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ر معن		O	0	v	22	נע	0	2
29	yG (C	0	G	೨೮	_	0	-
	ی د		G	3	1	29	ιs	0	ىرو

+180 degrees +225 degrees +135 degrees +315 degrees +270 degrees Z ¥ SW SE ٤

away. standing ~10 m eye of person

+90 degrees

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

+45 degrees At aspect Ä Ę TSI** angles formed by local slopes. For TSI measure LFI is angle of plot to the horizon. TSI is angle from recorders eye to

Landform Index (position within landscape)

Terrain Shape Index (site microtopographic shape)

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

	To do by	0		ļ.
Module	z	s	E.	Г
2	80	0	ュ	
3	2	æ	٩	
95	٦	=	55	_
0	=	0	0	

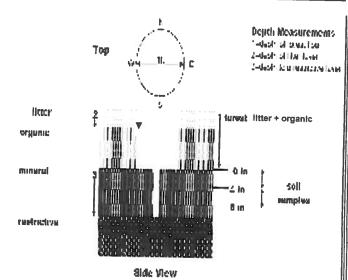
NOTE: tussock and hummocks are counted in BOTH nested quadrat comers but counts are aggregated.

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

"Very tall shrubs are sometimes included in the tree stratum
**Can also include seedlings of shrubs, i.e. all shrubs <0.5m

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



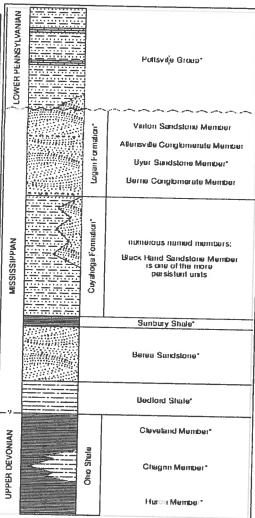


FIGURE 3-20.—Generalized section of Upper Decoman M. siasuppian and Lewer Pennsylvanian fermations in northeastern Ollo. Asterisks indicate units that are fossiliferous. The composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the chicknesses indicated are proparitional. The term "Wavely is used in the older hierature to refer to Missiasuppian rocks in Onlo. Some geologists use the European term." Carboniferous. which encompasses the Missiasuppian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation out most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fairly widespread but discontinuous. See Hyde 1933. Hover 1960, and Collins 1979 for mire information on Mississippian rocks in Ohio. See figure 3-15 for explanation of took types.

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

Soil pit module # 3 5 cm 20 cm matrix color matrix color 10 x texture* hydro, cond *** hydr cond *** oxid roots redox features** edox features** xid roots mottie ottle color mottle ottle color 8 NA (one per entire plot) 10 10 10 Z S (M) D ~ ري دي 3 匂 (2) 3 z □ Impermeable surface

• refer to lexture classes on reverse side

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

*** Circle one.

Findundated S=saturated M=moist D=dry.

Notes: include evidence of earthworms (worms,

HWORMS

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 Moduld Horizon (A. B. C) Soil Series/Type: Chagrinsilt Soil Series Source: Ohio Soil Survey Web Soil Survey Information 2,3,8,9 composited Well drained Excessively dr. Parent Material: AUUVIUW Depth to rest. Layer. Horis wan Burn. Somewhat poorly dr. DRAINAGE andform type: Flood pluint Moderately well dr. □ Somewhat excessively Very poorly dr. MOON 101CM

AS 8/16/13

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

			_	
_0	8	6	2	mod#
9,1	d,0	O. 🕭	0.5	1 litter+ organic depth (cm)
ů,	37	0,	0,5	2 litter depth (cm)
C	0	0	O	water depth (cm)
>30	>30	>30	730	depth sat soil (cm)

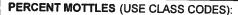
EARTH SURFACE & GROUND COVER Underlying Earth Surface* Ground Co	E & GROUT	Ground Cover	
(Sum 100%)	percent	(Each < 100%)	percent
N I	0	Coarse Woody Debris***	18%
Mineral Soil	49%	Fine Woody Debris****	20%
Gravel-Cobble*	1.79	Litter	50%
Boulder**	0	Duff (Ferm + Humus)	0
Bedrock	0	Bryophyte- Lichen	17,
* Gravel-Cobble = 1/16-10"	= 1/16 - 10"	Water	0
**Boulder => 10 in	in I	Bare Soil	25%
***>5 cm in diameter	neter	Road/Trail	2%
**** <5 cm in diameter	meter	Other	0

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	>5	88 93%
Shrub	0.5.5	18%
Herb	≤0.5	18%
(Floating)*	N/A)
(Aquatic)*	N/A	-
• rooted and fi	 rooted and floating or slightly emersed 	rsed
** submersed,	** submersed, most plant mass below surface	w surface

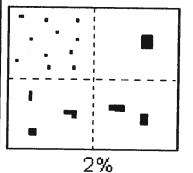
□ Deer	ा Gravel	□ Bootleg unsanctioned	Hiking sanctioned	8 Bridle	□ All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:	
		oned	4	2%		%Cover	er for each	TION:	

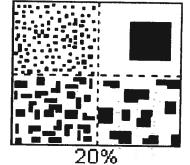
u < plot size	□ 1-3 x plot size	a 3-10 x plot size	10-100 x plot size	□ > 100 x plot size	□ >600 x plot size	STAND SIZE	
	ize	size	ot size	size	size	Œ	

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



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

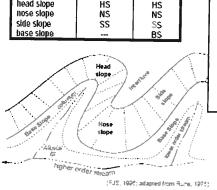


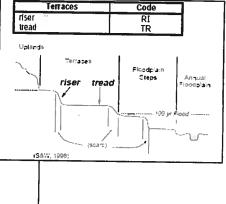


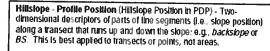
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but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

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

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces. Mountains, and Flat Plains: e.g., (for Hills) nose slope or NS.







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.

							FOF	RM B-1:	BUFF	ER :	SAN	IPL	E PL	OT	S (Fr	ont)	Reviewed by (i	nitial):	_	- (
Site I	D:	PCP	Pr	RR	34	99											101120		3		3
Locati			T.				1		Fill	in b	ubb	le(s)	if pl	ot(s) cou	ld not be	sampled and fla	ıg –	→		
O AA	Center	0	N	0	S	OE	0		OP	-			Plot 2		OP	lot 3		TATE.			_4
Fill in bubble Strata Section	es for all th on: Fill in a	at app	oly: C oriate	anopy cover	Type: class t	D = D oubble	eciduous for each	. E - Evoren	Buffer een. Leaf Tor each plot	me. E	e Br	tealher	F N = N	عالمما	Leaf Al	bsent: No tree derate(10-40°	e canopy. %); 3 = Heavy (40-75%);	4 = Ve	ery Hea	ivy (>	75%)
Buffer	Canopy	у Тур	e: () AI	osen	t: O	Buffer	Canopy	/ Тур	e: () () Ab	sent:	0	Buffer	Canopy Type: 0	0	Abs	ent:	0
Plot 1	Lea	f Typ	e: (9		Flag	Plot 2	Lea	f Typ	e: 🕑	<u>) (</u>			Flag	Plot 3	Leaf Type: (1)	Θ		$\overline{\sim}$	Flag
Big Trees (0.3m DBH)	0	0	0	0	0		Big Trees (>0.3m DBH)	0	0	0	0	<u> </u>		Big Trees	(>0.3m DBH)		- +	의	
Small Trees (<0.3m DBH)	0	0	0				Small Trees ((<0.3m DBH)	0	0	0	0	<u> </u>		Small Trees		_	-	9	
Woody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0	0		0		Woody Shrub (0.5n	s, Saplings n-5m HIGH)	0	0	0	0	0		(0.5	ubs, Saplings 5m-5m HIGH)	0	<u> </u>	<u> </u>	
Woody Shrub		0			0	0		Woody Shrub	os, Saplings 0.5m HIGH)	0	0	0	0	0			ubs, Saplings <0.5m HIGH)	_		<u> </u>	
	orbs and Grasses	0		0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0	-	Herbs	Grasses O	O[0	<u> </u>	
Bare	ground	0	Ō		0	0		Bar	e ground	0	0	2	0	0		Ba	re ground 💿 🕦	0	0	0	
Lit	ter, duff	0	Ō	0	0	0		L	itter, duff	0	0	0	0	0	-	l	Litter, duff 💿 🕦	0	0	\odot	
	Rock	0	0	0	0	0			Rock	0	0	0	0	0			Rock ① ①	0	0	0	
	Water		0	0	0	Ō			Water	0	0	0	0	ol			Water ① ①	0	0	0	ξ.
	ubmerged		Ō	0	0	0			ubmerged Vegetation	0	0	0	0	0			Submerged Vegetation	0	0	0	
Stress	egetation	senc	\sim	bsen	ce -	Conf	irm that				_	resen	ce and	an u	ınfilled	bubble indi		ng this	s bubl	ole. (
Stressor Presence/Absence - Confirm to Residential and Urban Stressors							Hydrolo			_	100				Agricultural & Rural Stressors						
Fiii bubbi		_	_	_	2	3	Flag	Fili bubble if present - Piot			1	2	3	Flag				2	3	Flag	
Road - gr	-			0	0	0		Ditches, C	Channeliza	ation		0	0	0		Pasture/H	ay	0	0	0	
Road - tw				10	0	0		Dike/Dam		R Bec	1	0	0	0		Range		0	0	0	
Road - fo	ur lane			0	0	o		Water Le		ol Str	uctur	0	0	0		Row Crop	s	0	0	0	
Parking L	.ot/Paver	ment		To	To	ĬŎ	_	Excavation	n, Dredgi	ng	1 3	0	0	0		Fallow Fie	eld (RECENT-RESTING	0	0	0	÷
Golf Cou	rse			C	0	0		Fill/Spoil	Banks			0	0	0		Fallow Fie	eld (OLD - GRASS, REES)	0	0	0	
Lawn/Pa	rk	T	C	C	0	0	_	Freshly D		Sedii	ment	0	0	0		Nursery		0	0	0	
Suburbar	n Resider	ntial		C	10	0			Root Exp	osur	е	0	0	0		Dairy		0	0	0	
Urban/M	ultifamily			C	0	0		Wall/Ripr	ар			0	0	0		Orchard		0	0	0	
Landfill				C	0	0		Inlets, Ou				0	0	0		Confined	Animal Feeding	0	0	0	
Dumping				C	0	0		(EFFLUENT	rce/Pipe or storm			0	0	0		Rural Res	sidential	0	0	0	
Trash				6	0	0		Imperviou (SHEETFLO	us surface (W)	inpu	ıt ——	0	0	0		Gravel Pil		0	0	0	
Other:						O		Other:				. 0	+	0		Irrigation		0	0	0	
Other:					0	0		Other:				_ 0	0	0		Other: _		0	0	0	
Ind	ustrial (Deve	lopi	ment	Stre	SSO	rs						Habi	tat/V	egeta	tion Stres	ssors				
Fili bubb	ie if pres	sent -	· Pio	t 1	2	3	Flag	Fiii bubbi	e if prese	ent -	Piot	1	2	3	Flag	Fill bub	bie if present - Piot	1	2	3	Flag
Oil Drillin	ig	14.14	li il	10	0	0		Forest Cie	ar Cut			0	0	0		Herbicide	Use	0	0	0	
Gas Wel	ls			C	0	0		Forest Sel	ective Cu	ıt		0	0	0		Mowing/S	hrub Cutting	0	0	0	
Mine (su	rface)			10	0	10		Tree Plant	tation			0	0	0		Trails		0	0	0	
Mine (un	dergroun	nd)		C	_	0		Tree Cand	py Herbi	vory		0	0	0		Soil Comp		0	0	0	
Military				C	+	+	-	Shrub Lay		ed		0	0	0		Offroad ve	ehicle damage	0	0	0	
Other:					+	-	-	Highly Gra	zed Gras	ses		0		0		Soil erosio	ON (FROM WIND, WATER,	0	0	0	
					_	+	+	Recently I	Burned Fo	rest		0	_	0			E)	0	0	0	
Other:				C	+		1	Recently i	Burned G	rassla	and	0	+	o		Other:		0	0	0	
-	Flag code	s: K =	No I			it mai	de. U =	Suspect mea	surement.	, F1,	F2, etc	c. = mi	sc. flag	s ass	igned t		crew. 242	816			
	Buffer Sa					Ex	plain all	flags in com	ment sect	lon o	n the I	back o	f this fo	orm			272		550		

FC	DRN	B-	1: 1	BUFF	ER SAMPLE PLOTS -	TAI	RGE	TE	D ALIEN SPECIES (Back) Reviewed	by (initi	al):		
Site ID:	P	CA	Pre	RZ	33499	DAT	E: _	0	810112013				
Confirm	a fiii	ed da	ita b	ubble i	ndicates presence and an uni	filled	bubb	le ind	dicates absence by filling in this bu	bbie			16
Fill bubble If present - Piot		2	3		Fili bubble if present - Plot	1	2	3	Fiag Fili bubble if present - Pio	-	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		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	
No.					PLOT COORE	TIMA	TEC		10000	10		0	
AA CENTER O N3		4	2	D E3	O W3 O Nearest prac	Lon	gitud	le W	vest 081.6787	0.			
Flag Comments													
Buffer Sample Poi	nts -	Targe	eted /	Alien Sp	pecies 05/27/2011				796	6623	548		

Buffer Natural Cover Strata Buffer Natural C			FOR	M B-1: BUFFER SAMF	LE	PLC			Reviewed by (in			•			
Fill in bubble(s) if plot(s) could not be sampled and flag Fill in bubble(s) if plot(s) could not be sampled and sampled	Site ID: PLAPE	19	0	3	349	19							.3		
In pubble for all that sopply Carrely Type D = Decidance E = \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Location:					Fill In bubble	(s) if	plot			sampled and fla	g —		1	
	O AA Center N	OS	C	E	01					Plot 3		-			4
Buffer Carboy 1/98:	Fill in bubbles for all that apply: Car Strata Section: Fill in appropriate co	opy Ty over cla	pe: D ss bul	= De bble f	ciduous; or each				11 . 1 6	Absent: No tre oderate(10-40					%)
Pict Leaf Type:	Buffer Canopy Type:	0	Abs	ent:	0	Buffer Canopy Type: ①	-	Abse	ent: O	1		× I	Abse		긕
18g Trees (-0.3m-clare)		0			Flag	Plot 2 Leaf Type: (b)	<u>(1)</u>						517	T-	<u> 19</u>
Samil Trace (-0.3 m. Der (-0.4 m. Der (-0.	Big Trees (>0.3m DBH)		3 (<u> </u>		Big Trees (>0.3m DBH)	-	_	_			<u> </u>	-	_	\dashv
	mall Trees (<0.3m DBH)	0		\odot	S	Small Trees (<0.3m DBH)) (C				 - - - - - - - - -		-	_	-
	Voody Shrubs, Saplings (0.5m-5m HIGH)	0	0	0		Woody Shrubs, Saplings (0.5m-5m HIGH)	<u> </u>			(0.	5m-5m HIGH)			-	\dashv
Herbs, Foths and	Woody Shrubs, Saplings	0	0	0			<u> </u>	<u> </u>	2		<0.5m HIGH)	_		_	_
Bare ground	Herbs, Forbs and	0		0			<u> </u>	<u> </u>)	Heros	Grasses O O	<u> </u>	= -	_	_
Litter, duff O O O O O O O O O	Olubbob 1	0	0	0		Bare ground 🕞 🕦 (3	<u> </u>	2	Ba		= -	=	_	_
Rook		0	0	o		Litter, duff 💿 🕦 (D) C) _		Litter, duff 💿 🕦			_	\dashv
Submerged						Rock (1)	3) C	9		Rock 🗿 🔘	0 (_		
Summigrad		-	- +	-= 1		Water ① ①	0 0	3 (<u>ا</u> (د		Water 🛈 🕦	0 (<u> </u>	<u> </u>	\dashv
Vegetation Veg		$\stackrel{\sim}{\sim}$	 	히			0 0	3 (<u> </u>			$\odot 0$	3 (<u> </u>	
Residential and Urban Stressors	Vegetation Vegetation Vegetation	senc	0 1	Confi	m that		sence	e and	an unfille	d bubble ind	licates absence by filling	g this	bubb	le. 💿	
Hill bubble if present - Plot											Agricultural & Rui	al St	ress	ors	
Road - gravel		1.1			Fiag			2	3 Fla	g Fill bubb	le if present - Plot	1	2	3 F	lag
Road - Novo lane		1	_			Ditches Channelization	0	0	0	Pasture/H	lay	0	0	0	
Road - four lane		-	-			Dike/Dam/Road/RR Bed	0	0	0	Range		0	0	0	
Parking Lot/Pavement		+ -					0	0	0	Row Crop	os	0	0	0	
Golf Course		+		_		Excavation, Dredging	0	0	0	ROW CROP F	(ELD)		이	_	_
Lawn/Park		-	_				0	0	0			이	-		
Suburban Residential		1	0	0		Freshly Deposited Sediment	0	0	0	Nursery	40	이	-		
Landfill	Suburban Residential	0	0	0			0	0	0	Dairy		-	-+	_	
Landfill		0	0	0		Wall/Riprap	0	이	0			_	_	_	
Dumping		0	0	0			_	-	_				_	_	
Cher:	Dumping	0	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER)	0	0	0			$\overline{}$	-	_	
Other: O O O O O Other: O D O O Other: O D O O O Other: O D O O O O Other: O D O O O O O O O O O O O OTHER: Industrial Development Stressors Habitat/Vegetation Stressors Habitat/Vegetation Stressors Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Flil bubble if present - Plot 1 2 3 Flag Oil Drilling O O O Forest Clear Cut O O O Herbic Glear Cut O O O O Herbic Glear Cut O O O O O O O O O O O O O O O O O O O	Trash	0	0	0		(SHEETFLOW)		$\overline{}$	_				\rightarrow	_	
Industrial Development Stressors	Other:	0	0	0								_	$\overline{}$	-	
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	The state of the s	0	0	0		Other:						0	O	9	
Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 2 3 Flag Hill bubble if present - Plot 0 0 0 0 Mine (under ground) 0	Industrial Developm	nent	Stres	SSOI	rs		- 1	Habit	at/Vege						
Oil Drilling O O Forest Clear Cut O O Herbicide Use O O Gas Wells O O O O O Mowing/Shrub Cutting O O O Mine (surface) O O O Tree Plantation O O Trails O O O Mine (underground) O O Tree Canopy Herbivory (INSECT) O O Soil Compaction (ANIMAL OR HUMAN) O O O Military O O Shrub Layer Browsed (WILD OR DOMESTIC) O O Offfroad vehicle damage (NULD OR DOMESTIC) O	Fill bubble if present - Piot	1	2	3	Flag	Fiii bubble if present - Piot	1	2	3 Fla	g Fili bu	bble if present - Piot	1			Flag
Mine (surface) Mine (surface) O O O Tree Plantation O O O Soil Compaction (INSECT) Military O O O Shrub Layer Browsed (WILD OR DOMESTIC) Other: O O O Highly Grazzed Grasses (OVERALL <3" HIGH) Other: O O O Recently Burned Forest Canopy Flag codes: K = No measurement made, U = Suspect measurement, F1,F2, etc. = misc. flags assigned by each field crew. Explain all flags in comment section on the back of this form O O O Trails O O O O O O O O O O O O O O O O O O O			0	0		Forest Clear Cut	0	0	0	Herbicide	Use	0		_	
Mine (surface) Mine (underground) Mine (underground) Mine (underground) Mine (underground) Military OOO Soil Compaction (ANIMAL OR HUMAN) OOO Military OHer: OOO Highly Grazed Grasses (OVERALL <3" HIGH) Other: OOO Recently Burned Forest Canopy Other: OHer: OOO Recently Burned Grassland OOO Military Other: OOO Recently Burned Grassland OOO Other: OOO ANIMAL OR HUMAN) OOO Offroad vehicle damage OOO OOO OR OVERUSE) OOO Other: OOO OOO Other: OOO OTHER OOO OTHER OOO OTHER OOO OOO OOO OTHER OOO OOO OTHER OOO OOO OTHER OOO OOO OOO OOO OOO OOO OOO	Gas Wells	0	0	0		Forest Selective Cut	0	0	0	Mowing/	Shrub Cutting	0	0	-	
Mine (underground) O O O Tree Canopy Herbivory (INSECT) Military O O O Shrub Layer Browsed (WILD OR DOMESTIC) Other: O O O Highly Grazed Grasses (OVERALL <3" HIGH) Other: O O O Recently Burned Forest Canopy Other: O O O O Recently Burned Grassland O O O Other: Other: O O O O O O O O O O Other: O O O O O O O O O O Other: O O O O O O O O O O O O O O O O O O O	Mine (surface)		+	+		Tree Plantation	0	0	0			0	0	-	
Military O O O Shrub Layer Browsed (WILD OR DOMESTIC) Other: O O O Highly Grazed Grasses (OVERAL <3* HIGH) Other: O O O Recently Burned Forest Canopy Other: O O O Recently Burned Grassland O O O Other: Other: O O O O Recently Burned Grassland O O O Other: Other: O O O O Other: Other: O O O O Other: O O O O Other: O O O O Other: Explain all flags in comment section on the back of this form 2428168304		+	+	+	+		0	0	0	Soil Con (ANIMAL O	npaction R HUMAN)	0	0	0	
Other: Other:		-		+	+	Shrub Layer Browsed	0	0	0	100000000000000000000000000000000000000		0	0	0	
Other: Other:		_	-	+	_	Highly Grazed Grasses		0	0			0	0	0	
Other: Other: Other: Other: Other: Other: Other: Other: Flag codes: K = No measurement made, U = Suspect measurement, F1,F2, etc. = misc. flags assigned by each field crew. Explain all flags in comment section on the back of this form 2428168304		_	-	_	-	Recently Burned Forest	+	_		100		0	0	0	
Flag codes: K = No measurement made, U = Suspect measurement., F1,F2, etc. = misc. flags assigned by each field crew. Explain all flags in comment section on the back of this form			0.5		+	Recently Burned Grassland	_		1			0	0	0	
Explain all flags in comment section on the back of this form	Other:	nessur	remer	* **	do II =	Suspect measurement. F1.F2. etc	. = mis	sc. flag	s assigne	d by each fiel	d crew. 242	816	830	4	
TOTAL CONTINUE LIVE TOTAL CONTINUE TO THE CONT				E>	opiain ai	I flags in comment section on the b	ack of	this fo	orm	g in St					

O Confirm	ICI	**	CK	-34	99	DA'	ΓE: (<u> 2. C</u>	<u>3</u> /	0/12013				
	a fill	ed da	ita bi	ubbie i	ndicates presence and an uni	illed	bubb	ie ind	dicates	absence by filling in this bub	ble	71		
Fili bubble if present - Piot	1	2	3	Flag	Fiii bubbie if present - Piot	1	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Fia
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	110
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	Ö		Other:	0	0	0	
	T ₁									Other:	0	0	0	-
					PLOT COORD	INA	TES				0	9	9	
O AA CENTER O N3		00 s 0 S3		e):) E3	O W3	ticab	le loc	ation	n (flag	and comment below)		T	Fla)	9
O AA CENTER O N3	-	S3	-) E3		Long	gitud	e W		and comment below)	8.		Fla)	g
O AA CENTER O N3	-	S3	-) E3	9220	Long	gitud	e W			8.		Fla)	g
O AA CENTER O N3 Latitude No Flag Comments	orth	\$3 4) E3	9.7.2.0 Use Decimal Degre	Long	gitud	e We	est C	8.7.8.7.			Fla)	g
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla)	g
O AA CENTER O N3 Latitude No Flag Comments	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla)	g
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla	g
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla)	g
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla)	g
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n)	2
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla)	
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla)	9
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla)	9
Comments Latitude No. Flag Comments As able to	orth	\$3 4) E3	Use Decimal Degre	Long	NADE	e We	est C	lose to marto n			Fla)	9

							RM B-1:	BUFF	ER	SAN	IPL	E PI	OT	S (F	ront)		Review	ed by (i	nitlal):		_	
Site ID:	PCP	191	2R	3	49	9				1				DATE	: O8	10	_/,	20	٥.	13	3.	
Location:								FIII	in b	ubb	le(s)	if p	lot(s	s) cou	ld not be	sample	ed ar	nd fla	ıg –	→		
O AA Center	0	N	0	S	0	O	W		Plot			Plot			lot 3							<u>'</u>
Fill in bubbles for all tha Strata Section: Fill in ap							s; E = Evergre		Гуре: Е	3 = Bro	oadlea	f; N = 1	Veedi	e Leaf. A			vy (40-	75%),	4 = V	ery He	eavy ((>75%)
Buffer Canopy Plot 1 Leaf		_) (bsen	_	Buffer Plot 2	Canop	• • •	<u></u> }	\leftarrow	\leftarrow	sent	$\overline{}$	Buffer Plot 3	Canopy	 -	$\stackrel{\sim}{\sim}$	0	Ab	sent	
200.	$\stackrel{\sim}{\sim}$) (<u>·</u>			Flag			of Typ	e: (•		\rightarrow	$\overline{}$	Flag			Type		$\frac{\odot}{\sim}$	廾	$\overline{}$	Flag
	(O	0		0	0		Big Trees (>		13	0	0	읭	00			(>0.3m DBH)			() ()		0	
,	<u> </u>	$\stackrel{\smile}{=}$		_	0		Small Trees (Woody Shrub		1	0	0	읽	_		Small Trees Woody Shru	bs, Saplings	1	- +	- +	-	-	
(0.5m-5m HIGH)	<u> </u>			$\overline{\odot}$	0			-5m HIGH)	18	0	0	의	힞		(0.5	m-5m HIGH) bs, Saplings		$\overline{}$	<u> </u>	읽	0	
(<0.5m HIGH)	Θ		0	0	0		(<0	5m HIGH) orbs and	-	0	0	의	의		(•	0.5m HIGH) Forbs and		-	<u> </u>	의	-	
Grasses	\odot		0	0	9		110103,1	Grasses	10	0		9	<u> </u>		Grasses O				\odot	의	9	
	\bigcirc		0	0	0		Bare	ground	0	<u>O</u>	0	의	9		Bar	e ground	0	$\overline{}$	<u> </u>	<u> </u>	<u> </u>	
Litter, duff			0	0	0		Lit	ter, duff	0	0	0	<u> </u>	<u>O</u>		L	itter, duff	0	0	0	0	0	
Rock		<u> </u>	0	0	0			Rock ① ①				<u> </u>	<u>O</u>			Rock	0	0	0	0	<u> </u>	
Water (0	0	0	0			Water	0	0	0	0	<u>O</u>			Water	0	0	<u> </u>	0	0	
Submerged Vegetation		0	0	0	0			bmerged egetation		0	0	0	0			Submerged Vegetation	0	0	0	0	0	
Stressor Prese	ence	/Abs	senc	e - (Confi	rm that	a filled data	bubble i	ndica	tes pr	esen	e and	an i	unfilled	bubble indic	cates abse	ence b	y fillin	g this	bub	ble.	0
Residential a	and (Urba	ın St	ress	sors		ı	Hydrolo	ogy S	tres	sors					Agricult	ural 8	Rur	al Si	tres	sors	
FIII bubble if presen	nt - P	iot	1	2	3	Flag	Fill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fiil bubble	if prese	nt - Pic	ot	1	2	3	Flag
Road - gravel		.0	0	0	0		Ditches, C	hanneliz	ation		0	0	0		Pasture/Hay				0	0	0	
Road - two lane	Sino-		0	0	0		Dike/Dam/		R Bed		0	0	0		Range				O	0	0	
Road - four lane			0	0	0		Water Lev		ol Stru	cture	0	0	0		Row Crops				o	0	0	
Parking Lot/Paveme	ent		0	0	0		Excavation	ı, Dredgi	ng		0	0	0		Fallow Field (RECENT-RESTING ROW CROP FIELD)				O	0	0	
Golf Course			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Fiel SHRUBS, TRE		ASS,		0	0	0	
Lawn/Park			0	0	0		Freshly De		Sedin	nent	0	0	0		Nursery				0	0	0	
Suburban Residenti	al		0	0	0		Soil Loss/F		osure	•	0	0	0		Dairy	12			0	0	0	
Urban/Multifamily			0	0	0		Wall/Ripra	р	***		0	0	0		Orchard				0	0	0	
Landfill			0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding	74	0	0	0	
Dumping		11/1	0	0	0		Point Sour (EFFLUENT C	R STORM	WATER	₹)	0	0	0		Rural Resi	dential	9=		0	0	0	
Trash			•	0	0		Impervious (SHEETFLOV	s surface	input		0	0	0		Gravel Pit				0	0	0	
Other:	0000000		0	0	0		Other:				0	0	0		Imigation				0	0	0	
Other:			0	0	0		Other:				0	0	0		Other:				0	0	0	
Industrial De	velo	pme	ent S	Stres	son	B						labit	at/V	egeta	tion Stress	sors		s /				
Fill bubble if preser	nt - P	Plot	1	2	3	Flag	Fiii bubbie	if prese	ent - I	Plot	1	2	3	Flag	Fiii bubb	le if pres	ent - F	Piot	1	2	3	Fiag
Oil Drilling	1		0	0	0		Forest Clea	r Cut	Shi S		0	0	0		Herbicide U	lse	1000		0	0	0	
Gas Wells			0	0	0		Forest Sele	ctive Cu	t		0	0	0		Mowing/Sh	rub Cutting	9		0	0	0	
Mine (surface)			0	0	0		Tree Planta	tion			0	0	0		Traits				o	0	0	
Mine (underground)	131		0	0	0		Tree Canop	y Herbiv	огу		0	0	0		Soil Compa		17.44		o	0	0	
Military	7,1	Q.	0	0	Ō		Shrub Laye		ed		•	0	0		Offroad veh		ge		o	0	0	
Other:		44	0	0	0		Highly Graz	ed Gras	ses		ō	0	0		Soil erosion		(D, WA	200	0	o	0	
Other:			0	0	Ö		Recently Bu	rned Fo	rest	7	0	0	0		OR OVERUSE Other:				0	0	0	
Other:		•	0	0	0		Canopy Recently Bu	rned Gr	asslar	nd	0	C	ŏ		Other:				<u></u>	0	0	
Flag codes: F	(= N	o me	\rightarrow	-		, U = S	(BLACKENED)	urement	F1.F2	2, etc.		. flag			·			400	1.00			
Buffer Sam					Exp		ags in comm										2	428	трд	304		

FC	RM	B-	1: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TEI	D ALI	EN SPECIES (Back) Reviewed by	y (Initia	I):		•
Site ID:	P	A	PR	RE	3499	DAT	E: _	2 9	<u> </u>	5105110				
Confirm	a fiiid	ed da	ita b	ubbie i	ndicates presence and an uni	illed	bubbi	ie Ind	dicates	absence by filling in this bub	bie			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Piot	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	
	11								-1171	Other:	0	0	0	
		4 71	- 5		PLOT COORI	DINA	TES							
O AA CENTER O N	3 (O S:	3	O E3	9.1.8.4.	Lon	gitud	le W		and comment below)	8.		Fla	-69
					Use Decimal Degr	ees;	NAD	83			_	_		*3
Flag Comments Pots 28	_{\2} 3	ase	q	Cross	river for									
1														
											-			
	-													
							-							-
										7966	623	549	-	

05/27/2011

Buffer Sample Points - Targeted Alien Species

122	1.20				207									_		7					
•	.0		0.0	2.00				M B-1:	BUFF	ER :	SAN	IPL	E PL				Reviewed b			- (
Site I	D: <u> </u>	A	PK	Y:	54	99							0 1				10/12			2	
Location	on:							v diame									sampled and	flag -	→		
OAAC	Center	С	N	0	S	O E	0		OP				Plot 2		OP	lot 3					
Fill in bubble Strata Section	es for all th on: Fill in a	at app	oly: Ca riate d	nopy o	Type: I class b	D = D ubble	eciduous for each	· F = Evergree	Buffer I en. Leaf Ty reach plot	we B	= Bro	adleaf	. N = N	eedle	Leaf. Al	bsent: No tred derate(10-40	e canopy. %); 3 = Heavy (40-75%	6); 4 = V	ery He	avy (75%)
Buffer	Canopy	у Тур	e: 📵) () At	sent	: 0	Buffer	Canopy	тур	e: 💶) () Ab:	sent:	0	Buffer	Canopy Type:	0	Ab	sent:	
Plot 1	Lea	f Typ	e: 📵) <u>(</u>		. ,	Flag	Plot 2	Leaf	Тур	e: 🌘) (Flag	Plot 3	Leaf Type:	<u> </u>	Ц,		Flag
Big Trees (>	0.3m DBH)	0	0	0		Ø		Big Trees (>	0.3m DBH)	0	0	0	(<u> </u>		Big Trees	(>0.3m DBH)			<u> </u>	
Small Trees (<	:0.3m DBH)	0	0	0		O		Small Trees (<	0.3m DBH)	0	0	(0	<u> </u>		Small Trees			•	<u> </u>	
Woody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0		0	0		Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	O	0	0	0		(0.8	ubs, Saplings 5m-5m HIGH)		<u> </u>	<u> </u>	
Woody Shrubs (<0	s, Saplings .5m HIGH)	0	0		0	0		Woody Shrubs (<0	s, Saplings .5m HIGH)	0		②	0	<u> </u>		(obs, Saplings <0.5m HIGH)		<u> </u>	<u> </u>	
Herbs, F	orbs and Grasses	0	0	4	0	0		Herbs, F	orbs and Grasses	0	(2)	0	0	\odot		Herbs	Grasses 0		<u> </u>	<u> </u>	
Bare	ground	0		0	0	0		Bare	ground	0	0	(0	\odot		Ba	re ground 🕒 🖯		9	0	
Lit	ter, duff	0	0		0	0	45	Litter, duff 💿 🕦					0	<u> </u>			Litter, duff 💽 🤇	1 -	0	<u> </u>	
	Rock	•	0	0	0	0			Rock	0	(1)	0	0	0			Rock 💿 🖸		0	0	
	Water	•	0	0	0	0			Water		0	0	0	<u> </u>			Water 🐠 🤇		0	<u> </u>	
	ubmerged /egetation		0	0	0	0			bmerged egetation	9	0	0	0	0			Submerged Vegetation		0	<u> </u>	
			e/Ab	sen	e - (Confi	rm that	a filled data	bubble is	ndica	tes p	resen	ce and	an i	ınfilled	bubble indi	icates absence by f	illing thi	s bub	ble.	•
Resi	idential	and	Urb	an S	tres	sors			Hydrolo	gy S	stres	sors					Agricultural & F	Rural S	tres	sors	
Fill bubble	e if pres	ent -	Piot	1	2	3	Fiag	Fill bubble	if prese	ent -	Piot	1	2	3	Fiag	Fiil bubbi	1	2	3	Flag	
Road - gr	avel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/H	0	0	0		
Road - tw	o lane	Ť	1. 1.	0	0	0		Dike/Dam/ (IMPEDE FLO		≀Bed		0	0	0		Range	0	0	0		
Road - fo	ur lane			0	0	0		Water Lev	el Contro	Str	ıcture	0	0	0		Row Crop	0	0	이		
Parking L	ot/Paver	ment		0	0	0		Excavation	, Dredgii	ng		0	0	0		Fallow Fie	0	0	0		
Golf Cour	se			0	0	0		Fill/Spoil B		Codia		0	0	0		Fallow Fie SHRUBS, TR	0	0	0		
Lawn/Par	k			0	0	0		Freshly De	(ED)			0	0	0		Nursery	0	0	0		
Suburban	Reside	ntial		0	0	0	ļ	Soil Loss/		osure	9	0	9	•		Dairy	10	0	0		
Urban/Mu	ultifamily		_	0	0	0		Wall/Ripra				10	0	0		Orchard	Animal Fandina	0		의	
Landfill				0	0	-	_	Inlets, Out			_	10	-	0		Rural Res	Animal Feeding	0	00	0	
Dumping				0	0	0		(EFFLUENT (RSTORM	WATE	R)	10	-	00		Gravel Pit		0	0	ö	
Trash		_		0	0	0		(SHEETFLOV	V)		_	10	0	0		Irrigation		0	0	0	
Other:				0	9	00	_	Other:				0	0	0				0	0	0	
Other:					0			Other.	MINITE	1	<i>"</i>			STREET,	oneta	tion Stres		-			
	ıstrial C	_	<u> </u>	_	_	1						_	_		Flag		ble if present - Plo	t 1	2	3	Flag
Fiii bubbi	1000	ent -	Piot	1	-	3	Flag	Fiii bubbie		nt -	Piot	1	2	3	riag		Section 1	0	0	0	riag
Oil Drillin				10	+	0	-	Forest Clea				0	0	0		Herbicide		_	0	0	
Gas Well	ls			0	+	0		Forest Sele	ctive Cu	t		0	0	0			hrub Cutting	0			
Mine (sur				0	+	0		Tree Planta Tree Canor		/OD/		0	0	0		Traits Soil Comp	action	0	0	0	
Mine (un	dergroun	d)		10	10	0		(INSECT)				0	0	0		(ANIMAL OR	HUMAN)	0	0	9	
Military				0	+	0		(WILD OR DOI	MESTIC)			0	0	0			hicle damage	0	0	0	
Other:				0		0		Highly Graz	HIGH)			0	0	0		OR OVERUS	E)	10	6	0	
Other:			_	0	0	0		Recently B				0	0	0				_ 0	0	0	
Other:				0		0		Recently B (BLACKENED)				0	0	0		Other: O C				0	
F	lag code	s: K =	No m	easur	emen	t mad	le, U = 5	Suspect meas	urement.	, F1,F	2, etc	. = mi	sc. flag	s ass	lgned b	y each field	crew. 24	2816	830	4 (

Explain all flags
Buffer Sample Plots 05/27/2011



					ER SAMPLE PLOTS -	TAF	RGE	TEI	D ALI	EN SPECIES (Back) Reviewed by	y (initia	ıl):		•
Site ID:	PC	AY	R	R3	499	DAT	E: <u>C</u>	2.9	<u>8</u> 1	01/2013				
O Confirm	a fiii	ed da	ata b	ubbie ii	ndicates presence and an uni	iiied	bubbi	e in	dicates	absence by filling in this bub	bie	Ti.		19
Fill bubble if present - Pio	1	2	3	Flag	Flii bubbie if present - Piot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Fiag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	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	1000
										Other:	0	0	0	
			1.50		PLOT COORI	SINIA	TEC				9	<u> </u>	9	
O AA CENTER O N					O W3 O Nearest practices of the	Lon	gitud	le W		and comment below)	8			
					Ose Decima: Degr	663,	INAD	03						
Flag Comments								JU)						E
					,					1				

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														\neg
			_							9				

		-	-					_			-							-	-
0 0000		i i			RM B-1:	BUFF	ER	SAI	MPL	E PI	LOT					d by (init		_	
Site ID: PCAP	RA	23	40	79		1	13						08				-	<u>S</u>	
Location:					4	Fill	in b	ubb	e(s) if p	lot(s		ild not be	sample	d an	d flag	>		
O AA Center O N	0	S	OE	= 0	W		Plot			Plot			Plot 3	, juur,					
Fill in bubbles for all that apply: Ca Strata Section: Fill in appropriate c	nopy 7 over c	Type: I	D = D oubble	eciduou for eac	s; E = Evergre	Buffer en. Leaf 1 er each plo	Type: E	3 = Br	oadlea	f; N = I	Needle	e Leaf. A	Absent: No tree oderate(10-40°	a canopy. %); 3 = Hea	vy (40-7	75%); 4	= Very i	łeavy	(>75%)
Buffer Canopy Type:	0) At	bsen	t: O	Buffer	Canop	у Тур	e: 🌘) At	osení	t: ()	Buffer	Canopy	Туре:		D A	bsen	: O
Plot 1 Leaf Type:) (<u>)</u>		Flag	Plot 2	Lea	of Typ	e: 🌘	(Flag	Plot 3	Leaf	Type:	8	D		Flag
Big Trees (>0.3m DBH)	0	0	0		Big Trees (>	0.3m DBH)	0	0	0	0			Big Trees	(>0.3m DBH)	0	0 0		0	
Small Trees (<0.3m DBH)		0	0		Small Trees (<0.3m DBH	0		0	0	0		Small Trees	(<0.3m DBH)		0 0) [0	0	
Woody Shrubs, Saplings (0.5m-5m HIGH)		0	0		Woody Shrubs (0.5m	s, Saplings -5m HIGH)			0	0	0			bs, Saplings m-5m HIGH)	\odot	0 0			
Woody Shrubs, Saplings (<0.5m HIGH)	0	0	0		Woody Shrubs (<0	s, Saplings .5m HIGH)			0	0	0		Woody Shru (<	bs, Saplings 0.5m HIGH)	0	0 0			
Herbs, Forbs and Grasses		0	0		Herbs, F	orbs and Grasses			0	0	0		Herbs, Forbs and Grasses		O	0	0		
Bare ground ① ①	0		0		Bare	ground	0		0	0	0		Bar	e ground	0	0 0	0	9	
Litter, duff 💿 🚳	0	0	0		Litter, duff 🕥 🕠			2		0		L	itter, duff	0	(0	0		
Rock 🔘 🔘	0	0	0			Rock	0		0	0	0			Rock		0 0	0	0	
Water 🕡 🛈	0	0	0			Water	•	0	0	0	0			Water	6	0 0	0	0	
Submerged Vegetation	0	0	0			bmerged egetation		0	0	0	$\overline{\odot}$			Submerged Vegetation	(0 0	0	0	
Stressor Presence/Abs			Confi	m that							d an	unfilled			nce by	/ filling	his bu	bble.	0
Residential and Urba	ın St	tress	sors			Hydrolo	ogy S	tres	sors					Agricultu	ıral &	Rural	Stres	sors	
FIII bubble if present - Plot	1	2	3	Flag	Fill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fiil bubbie	If presen	t 1	2	3	Flag	
Road - gravel	0	0	0		Ditches, Cl	nanneliz	ation		0	0	0		Pasture/Ha	C	0	0	1		
Road - two iane	0	0	0		Dike/Dam/		R Bed		0	0	0		Range				0	0	
Road - four lane	0	0	0		Water Leve	and the same of th	ol Stru	cture	0	0	0		Row Crops		0	0			
Parking Lot/Pavement	0	0	0		Excavation	, Dredgi	ng		0	0	0	12	Fallow Field (RECENT-RESTING ROW CROP FIELD)				0	0	
Golf Course	0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)				0	0	
Lawn/Park	0	0	0		Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery				0	0	
Suburban Residential	0	0	0		Soil Loss/F	Root Exp	osure		0	•	0		Dairy				0	0	
Urban/Multifamily	0	0	0		Wall/Ripra	р			0	0	0		Orchard				0	0	
Landfill	0	0	0		Inlets, Outl				0	0	0		Confined A		ding	C	0	0	
Dumping	0	0	0		Point Soun	R STORM	WATER)	0	0	0		Rural Resid	dential		C	0	0	
Trash	0	•	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit		-	C	0	0	
Other:	0	0	0		Other:				0	0	0		Irrigation			C	0	0	
Other:	0	0	0		Other:			-	0	0	0		Other:					0	
Industrial Developme	ent S	Stres	son	S						Habit	tat/V	egeta	tion Stress	ors					
Fill bubble if present - Plot	1	2	3	Fiag	Fili bubbie	If prese	ent - I	Plot	1	2	3	Flag	Fiii bubb	ie if prese	nt - Pi	iot 1	2	3	Fiag
Oil Drilling	0	0	0		Forest Clear	r Cut	48	111	0	0	0		Herbicide U	se		C	0	0	
Gas Wells	0	0	0		Forest Selec	ctive Cut			0	0	0		Mowing/Shr	ub Cutting		С	0	0	
Mine (surface)	0	0	0		Tree Planta	tion			0	0	0		Trails			C	0	0	
Mine (underground)	0	0	0		Tree Canop	y Herbiv	ory		0	0	0		Soil Compa	ction JMAN)		C	0	0	
Military	0	0	0		Shrub Layer		d	MI	•	0	0		Offroad veh		ge	C	0	0	
Other:	0	0	o		Highly Graz	ed Grass	ses		0	0	0		Soil erosion	14	D, WATE			0	
Other:	0	0	0		Recently Bu	med Fo	rest		0	0	0		OR OVERUSE) Other:			_ C	0	0	
Other:	0	0	0		Canopy Recently Bu (BLACKENED)	rned Gra	asslar	ıd	0	0	0		Other:				0	0	
	Flag codes: K = No measurement made.							, etc.	= mis	c. flags	s assi			ew.		_ C	_		
Buffer Sample Plots			Exp	tain all f	lags in comm	ent section	on on t	he ba	ick of	this fo	rm				24	4281	ช30	4	
		<u>, - · , -</u>					-	-	_		_		-						

Site ID;	40	A	rk	K	3499	DAT	E:	0.5	2/5	21051				
Confirm	a fili	ed da	ata b	ubbie i	ndicates presence and an unf	illed	bubb	ie Ind	dicates	absence by filling in this bub	bie			
Fill bubble if present - Pic	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Fiag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	o	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tâmarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	Ō	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	
		- 1			PLOT COORE	INA	TES						\circ_1	
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