CLEVELAND ME	TROPARKS Plant Community Asses, me	nt Program: Quality C	ontrol Form	Cleveland Metriparks
Project Label:	PCAP	Plot No: 3410	Date Sampled: <u>\$/\$</u>	113 Lead: J Miller

Comment required if item answer is NO (M) Parking/Access outside of Park Boundaries: If yes, write details in Comments section below  $(\overline{\mathbf{Y}})$ Field journals completed N V Site sketch made on 1:3000 map? N (Ŷ) Check cover page X-axis Bearing of plot recorded N  $\overline{(Y)}$ GPS coords. Recorded N North direction recorded (Ŷ) N  $(\hat{Y})$ Photographs taken? N (Y) Plot No., Date agreement on all pages? N 0 Header data completed all pages? N Cover classes recorded in all Intensive modules N Browse Level By Species N (Ŷ) Woody stem quality control check N <u>Q</u> Invasive plant quality control check N Ash trees mapped Ν  $\bigcirc$ Cover by Strata? (confirm cover type) N  $\bigcirc$ Soil samples collected with matching plot # N Vouchers labeled on datasheet with initials and number N Vouchers labeled on collection bag N S.E. o Ked W) Pink flags removed Data sheet QA before leaving site? 3 (Y) Common equipment returned to tub. N Data sheets scanned? CUS-16-13 Enter date to left Final data sheets scanned? Enter date to left (Ÿ) CL 8-16-13 Buffer Widths measured? Web Soil Survey N CL 8-16-13 Voucher Location Refrigerator N ( # vouchers collected) Press (#) Enter number to left AM HE Drier Υ N 198,198,199 Identified N Mounted Y N Thrown away N

Plot
sampled
In unsultable
avea on 3/7...
first vouchers
hatch species fund
in second, correct
sample. Second
set are new species
Cound on 5/8

GRTS point verifi	ication: Is plot sampleable?	- 1
¥ 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)	
	□ Other	

**Additional Comments:** 

On ainally sampled 8/7 in original plot set-up. After sumpling, it was realized the piot extended beyond CMP boundaries (see map). 8/8 saw the set-up of a correctly ordered plot and a re-sample.

LOCATION	rage i of z
OH County:	
angle: Vnヒヒ	
Local Place Names: Laite Traillocad, Hondquarts, CUNP Scene Railroad	210
CMP	module plot:
Data Confidentiality:	
data 🗆 Private Data	2 1 2
□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	1 #2 #3 #4 #5
Reason:	4 3 4
	Key: (0,0) point Opsilocation photo taken, location of with direction permanent posts
□ MAP ■ GPS	NOTES: Include Layout (any unusual shape details), Location (directions and landscape content) Rationale (why here) and Vor Characterization (directions and landscape
Coordinate system: Coord. Units	dominants, strata, BROWSE). Additional notes in space on back.
■ LavLong □ UTM □ StatePlane ■ deg □ deg min	THE TANK
□ Other (specify)	
Datum: ■ NAD83/WGS84 □ NAD27	
GPS location in plot $x=0$ to 5, $y=1,0,+1$ ):	Location: Park & trailhed just past HQ on Vaugno.
x = 0 $y = -1$ (base of plot $x=0$ , $y=0$ )	Though initiation areas away
Latitude: N 41.29041	Boshow was from J. March Johnson J. Mr. 12
Longitude: W 081. 57136	per
Coord. Accuracy: s/m - ft +- 2	Rational & CORTS at
GPS File Name: 34 10 A	The state of the s
0.05	
of plot:	Vea. Characterization: Floodplain of primarily cottonwood,
Denth: (1-5): 4	w Suchanore and silver maple also in canellar banks
Intensive modules, 2, 3, 8, 9 1, 2, 3, 4 (EDIT IF MODIFIED)	smaller (as is their habit) box-elder too Arlivsted
Camera No.: (3)	harden de la company de la com
Photo Nos.: C3 167	in ences take of tall chases (madeau)
Plot placement: VGRTS - Representative	included
☐ Random ☐ Stratified Random ☐ Transect component	Cathal, Bolumena, Tox. ad., Lysimachia, sedals.
□ Systematic (grid) □ Capture specific feature □ Other	
*Definitions and values in CM PCAP FOM v. 1.0 and C	VS Field Guide OVER
	Landowner. CMP   County: Chylabacy

CLEVELAND METROPARAS Plant Community Assessment Program - Background Data Sirect  PCAP Project Name: 01 8r 2013	munity Assessment Frogram - E	- Background Data Silver Project Name: 01 &r 2013	Br 20	13		Plot No.:	2410		Page 2 of 2
MODIFIED NATURESERVE CLASS*		<u>q</u>	STURE	DISTURBANCES					
	Fire Confe	<u> </u>	type* se	severity**	yrs ago	% of plot	description		
- C&	1	<u>                                     </u>		-	7	,000 100 100 100	trash		
Т В		<u>  z</u>	Natural	エ	0	1,001	Flooding		
COMMUNITY NAME: Flood plain Forest	n Forest	Fire	ည				2		
Wood Woodland	Bodland	Cut	-	٠			F-1	;	
P00-010000	a	<u>-</u> V	Animal	٤	٥	1001	duer path,	browse	
		Ď	Other						
HOMOGENEITY		* [	L=low, M	L=med low	M=med,	MH=med	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	l=very high	
Homogeneous a Compositional tr	Compositional trend across the plot	<u>.</u> Ö	urrent La	Current Land Use: CMP	JW,				;
nclusions	mosaic	FC	Former Land Use:	d Use:	UNK.				
	HYDROLOGIC REGIME*	×							
	□ Upland (seldom flooded)	□ Intermittently flooded	ently flood	ed					
SALINITY*	□ Intermittently/seasonally saturated	□ Semipermanently flooded	nanently fl	popoo					
□ Saltwater	(seldom flooded)	n Permanently flooded	ntly floode	P					
n Brackish	□ Permanently/Semipermanent. saturated	d Tidal/Seiche flooded daily	che floode	d daily					
□ Fresh	(dry <1/yr, seldom flooded)	☐ Tidal/Seiche flooded monthly	che floode	d monthly					
₩Upland (n/a)	Cocasionally flooded (<1/yr)	☐ Tidal/Seiche flooded irregular	che floode	d irregular					
11	n Temporarily flooded	(e.g. wii	(e.g. wind, storms)						
(by default unless plot is a wetland)		□ Unknown	_					į	
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	ss of plot to the stand, successional status,	, maturity, etc.)							
1									
17				*					
5									
						27			

( Clareland Mainparks

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Strata - Cov. entire plot Cieveland Metroparks Total modules ショウル ロウヘロ のっっっっっ S H (F)(A) Br 0 2 N دن J 9 0 6 U) 8 Paune Onta chant Bana 4 afv. une 3 vie last enviend E/20/2013 anh M033 SAM-Populus Typha grow spp. Acer Megundo Flymus 5007 traxinus son Rusa multiflova Phonlans arundinace Germ Colnadinse Matanus occidentalis Ulmus son (seedling's Elymus sop 1 Polygonum virginianum Fraxionus pennsylvania Laudetum Bohamania cillindrica How spp. PYNS SPP. Asteracion Larrex Vibutous destatus beysia virginica Toxico denduna radizans Lysmachio nummulano describe amount of browse per species over Br = Browse Level. Use cover classes to deltodes Son Convens Ordy 1 5 Species (seed ina) entire plot (seedlings) SCE 2 O %unveg. ground (bare soil) Intensive modules: %unvegetated open water intensive module: Estimate for each %unveg. litter (bare litter 3 AM ¥ S W Voucher # 202 198 1612-14 %open water 3 depth 2 depth 7 4 J P 1 1 4 2 2 3 E E L \_ C: comer 4 4 8 4 3 OC 2 W 4 ş 9 v: نى depth 2 depth Plot configuration: 2 b 7 T 1 ſλ mod 7 8 ş depth P mg r E 17 W 2 W ~ 1 N 2 5 cov | depth S 1 2 8 C N 7 S 0depth **\$3** € 63 3 S -1 こメび COV 20mer 700 depth depth b 1 S 1 ىن 1 2 ب نرا T. C 1 C E W 3 ď 2 comer 3 S U 0 P 2 cov depth N Š N 2 0 1 depth £ 2 Ľ, 1 N 1 上 夏 N 3 Plot area (ha): 005 comer  $\omega$ 9 Ş S S ş 2 XV 1 depth 1-2 L W I W (A) **B**08 2 2 comer 2 N N W 0 W 20 700 0 cov depth 00 C 5 L 00 7 r L N mod 13 C 1 S 3 comer N 8 8 depth depth comer Ş 60 20

Natural Documon

Management CODM ND/2010 020

CLEVELAND ME INCHARNS MAIN COMMUNITY ASSESSMENT MOGRAM Species Cover Data Sheet 28

PCAP

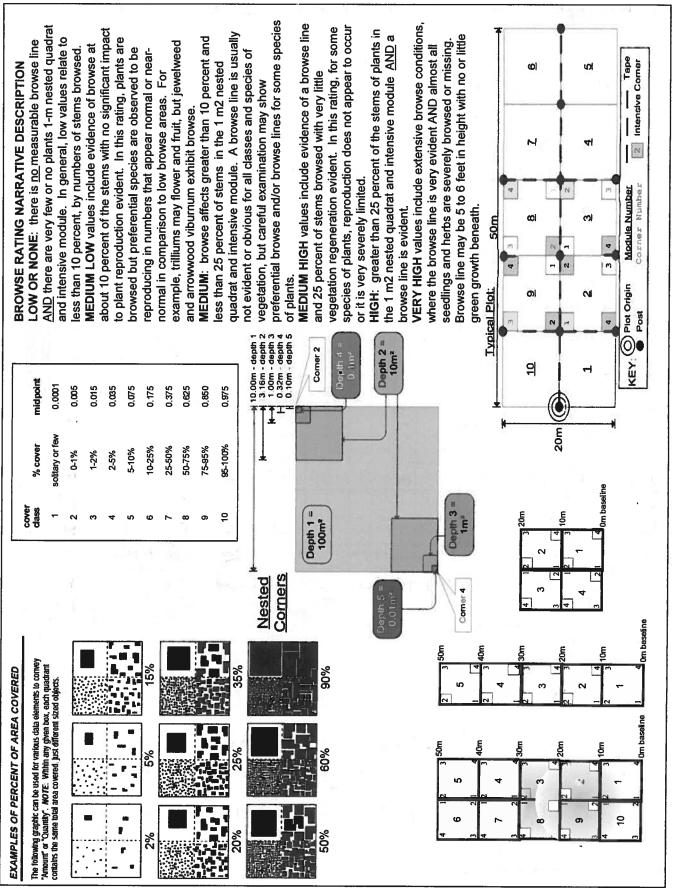
Project name: 01 %r 2013

Plot no.: 34/0

rage |

S

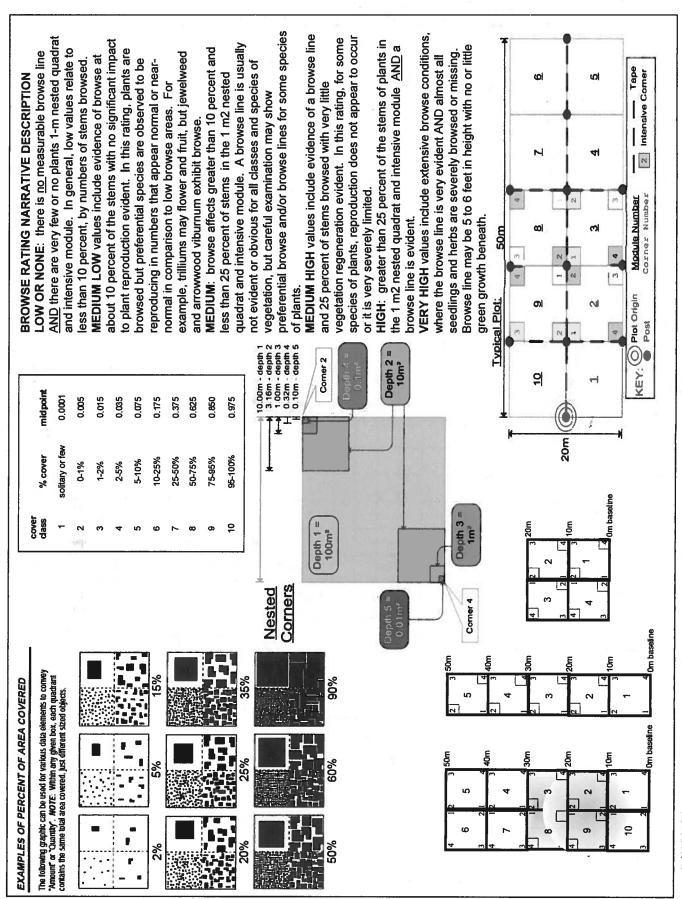
Project Label:



2bCM PCAP Species Cover Data Sheet Back Page\_ver 1.3.ppt

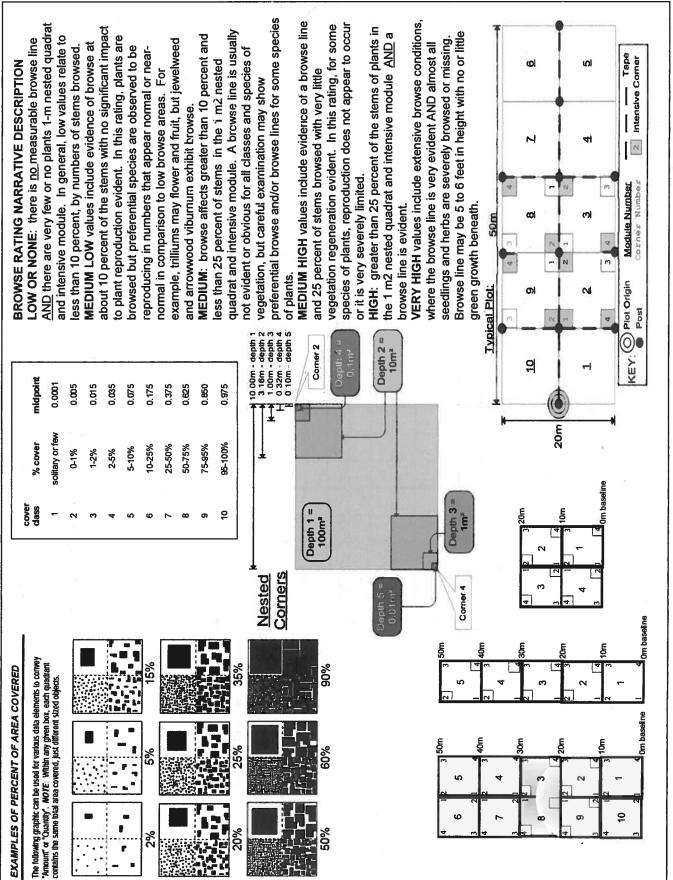
Intensive modules: 4 Plot configuration:	Project Label:	Project Label: PCAP Project name: 01 & 2013	Project name:	01 3- 2013		Plot no.: 3410		4
Brill Britan Conventionable  Serial Conventio	Total modules:	5	Intensive modules	Plot	onfiguration:	TX5	_ Plot are	a (ha): 0.05
Brill Course Lord Use come chases to inferiore and in the company of the come Lord Use come chases to inferiore and in the company of the come chases to inferiore and in the company of the come chases to inferiore and in the company of the come chases to inferiore and in the company of the	>			corner mod	mod comer	comer mod	<u>a</u>	d comer mod
Cerebrands   Bir Flormen Lend Library   Cerebrands   Ce	<u></u>		Estimate for each	- +	1 d	2 3	3 2	4
Cleveling and describe annual of thouse part species over   Striats - Cour entire plot   Species   Speci	<del>-</del>	Br = Browse Level. Use cover classes to	intensive module:	cov depth	depth cov	cov depth	depth cov	
### and the plot	Cleveland	describe amount of browse per species over	%open water	_	1	1		
Stride Cov. entire point   Species   Species   C   Woucher #   Species   C   Voucher #   Species   C   Voucher #   Species   C   Voucher #   Species   C   C   Species	меторапка	entire plot	%unvegetated open water	-1		1		-
TISH (FICH BR)  Species c Voucher # aun au dann au dan			%unveg. ground (bare soil)	-	1	1	1	
1	T S U /EV/AV B		- 1			-	_	-
3 Polyganim spe  2 Gorms spe  2 Gorms spe  2 Gorms spe  3 1 1 2 3 2 2 3 2 3 2 2 3 3 1 2 2 3 2 3	+	`	$\dagger$	cov depth	depth cov	cov depth	depth cov	
2 6 Cornes spe 3 1 2 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2	3	l		121	4 2		7	
2 Adamonin Spr. VIFICAL S JAM 203 82 3-16-18 3 2 2 2 3 4 4 5 9 00 4 5 pp 1 1 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 2 1 2 2 1 2 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2 2 2 1 2 2 2 2 1 2 2 2 2 1 2	(U)	İ			3		7	יע
2 Agrinania Spr. sie 113-8 XJAM 203 SE 2-6-18 3 2 2 7 4 5 2 7 4 6 Cinan avandinae Valencia (in the control of t		COVANUS SOF.			3	1 7		
2 Pod spp	2	MID SETT SEE 11-41-		1				-
Carver vulpinalinados  1 Carver vulpinalidis  1 Carver vulpinalidis  2 H 5 2 7 4 7  1 Carver vulpinalidis  2 HAdeman vulpinalidis  3 Junius soptima  2 Hademan vulpinalidis  3 Junius soptima  4 Usebasina alternifolia  5 Larver sopt 1 HO 20 4  2 Hademan vulpinalidis  1 Carver sopt 1 HO 20 4  1 Carver sopt 1 HO 20 4  1 Carver sopt 1 HO 20 4  2 Hademan vulpinalidis  2 LA	7			-	1 1 2		2	7
Acce caccharing  Carvex vulpinalia  Carvex vulpinalia  Rangula ulms  Vitiz nipinia  Langua cordificants  Allium sape  Allium sape  Allium sape  Langua cordificants  Allium sape  Langua cordificants  Allium sape  Langua cordificants  Allium sape  Langua sape 1 otto at a Sec 11-14-13  Allium a planting appetitude of the middle and a second of the cordificants  Allium a planting appetitude of the cordificants  Allium ap					T	4		
Transpla ulnus  Transpla ulnus  Transpla ulnus  Transpla ulnus  Transpla politica  Transpla politica  Transplantation politica  Transplantation political and section millionates  Transplantation political and s	4	Sole	·	•	h i	5 2		4
1 Franquia vinus 2 Vitità niburia 1 10 Caryla Cordiformix 2 Affrencia 3 2 Affrencia 3 3 Junes sapa 1 Printing pathiata Glechumidal andua SPE 11-14-12 2 Affrencia sapa 1-24 pathiata Glechumidal andua SPE 11-14-12 3 Affrencia sapa 1-24 pathiata Glechumidal andua SPE 11-14-12 4 Affrencia sapa 1-24 pathiata Glechumidal andua SPE 11-14-12 4 Affrencia sapa 1-24 pathiata Glechumidal andua SPE 11-14-12 4 Affrencia sapa 1-24 pathiata Glechumidal andua SPE 11-14-12 4 Affrencia sapa 1-24 pathiata Glechumidal andua SPE 11-14-12 4 Affrencia sapa 1-24 pathiata SPE 11-14-12 4 Affrencia sapa 1-24 pathia		×		-	N N			
The Convex conditioners of the Convex conditioners of the Convex conditioners of the Convex conditioners of the Convex conditions of the Convex co		0			2			
Alliam spe.  2 Afternaux 3  Alliam spe.  3 I Verbesina alternifoliva  2 Caves specifica  1 Caves specifica  2 International objection  2 International objection  3 International objection  4 International objection  4 International objection  5 Internation  5 I	72				9 1	ري 	2	-
Allium spo.  I Allium spo.  I Prunus sertina  I I I Prunus sertina  I I I I I I I I I I I I I I I I I I I		Carva			-			
Allium spa.  1 Princis spa 1 Junicis spa 2 Informit political Clechning diraction of the control		Asternace 3			-	(v)		
Jerthesima alternifolità  Jenthesima alternifolità  Altituria potisionata Glechumadorana SRE 11-14-12  Altituria potisionata Glechumadorana SRE 11-14-12  (Arres sap. 2  (Arres sap. 1  (A	) \					F.		
Juneus app  2 Allitation political Glechumaglanaus SRE 11-14-12  2 Cavex span to this to to X JAM 208  2 In Educacius umbelliata  1 Cavex span to this folius  2 Internation a grantica  2 Internation a grantica  2 Internation a grantica  2 Internation to Rungex span to C3 1615			P.			L.	Em	
Allination pathilate Glechumodorauta SPE 11-14-12  Cavery spa 15410 Aco X JAM 204  Cavery spa 2  Allination pathilate Glechumodorauta SPE 11-14-12  Cavery spa 2  Allination pathilate Glechumodorauta SPE 11-14-12  Cavery spa 2  Cavery spa 1  Cavery spa 2  Cavery spa 1	286					-		
Alltraria patholate Glechemologorous SCE 11-14-12  Laves span 1 3+10 200 X JAM 208  Z in Educagnus umbellista  Rumes cotusifolius  SCE 11-14-12  Rumes cotusifolius  Rumes cot	4	R		-	1 1	77		
2 Cavex spa totionto X JAM 204 2 Alisma plantago-aquation 2 III Educagnus umboliata 3 T. S. 1 Rumex obtustibilius 1 Cavex spa 3 Laxitora X JAM 205 2 Alixa umilla 2 Alixa umilla 2 Alixa umilla		Alliania socialista Glechumadevaca	JE 11-14			g\$	$\rightarrow$	
1 Cavey spa 2 2 Atlisma plantonarion advation 2 In Educagnus umbellator 2 In Educagnus umbellator 3 Sec 11-14-13 1 Cavey spa 3 laxiflora X JAM 205 2 Alexa munita 2 Alexa munita	ž_	CAMEX SAG + STIDAG	/ JAM	-				_
Alisma plambago aquation  2 lid Ebasagrus umballata  1 Rumax obtustibilius  SAE 11-14-13  1 Cavex sap 3 laxitlara X JAM 205  2 Rika umila  2 Rika umila								$\overline{}$
2 IN Educagnus umbellatas  1 Rumex obtusifajius  SRE 11-14-13  1 Cavery in 2- laxiflora X JAM 2055  1 Unit dias + Rumex sp. C3 1615  2 Mra vumila	4	Alisma plantoso- advation				1	×	1
Convex obtusifolius  1 Convex spp 3 laxiflora X JAM 205  2 Other annila  2 Other annila		Ebagaanus				- 3	+	
Covery spp 3 loxiflore X JAM 20\$		Rumex objustibilius	2			7   2	7	K
2 Ohn miles C3 1615		1 (ax) +					2	-
61		1+R	ı				~	
		17) ca punila		_				

Matural Docourso Management ECOM ND/2010 02a



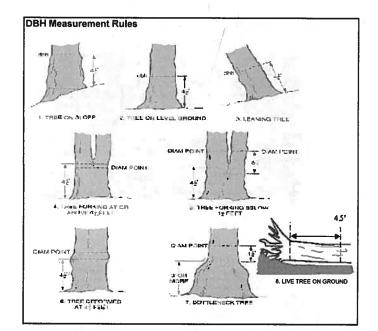
2bCM PCAP Species Cover Data Sheet Back Page\_ver 1.3.ppt

SACIA BOAD Choring Or											L-3		-	~		-		T S H (F)(A) Br	Strata - Cov. entire plot		Cleveland	3	•	Total modules:	Project Label:
umr Data ahaat Baaa 1 af v uar 3 vis last raidead										Equisition arrent	Symplocarpy footido	Aschoplas sage. SKE 11-4-13	2 Lycopus virginad	Polyadinur	Dipulus 1	Politica Robinia pseudo-acación	Ligustum	Species		entire plot	describe amount of browse per species over	Br = Browse Level. Use cover classes to		5	Project Label: PCAP Project name: חומות אssessment rrogram opecies cover שמום oneet 2a
routend Elopionto anh										X JAM ZZZ			5 (3 -1617-18	C3-1616					%unveg. litter (bare litter)	Т	Т	intensive module:	_	Intensive modules:	וופחנ ודיסערמוח Species רסעפו Project name: חי לא
																		depth cov depth cov depth		<u> </u>		COV O	nod no	Plot configuration:	Over Data Sheet 2
Materal			,		-													cov depth cov depth c		* **	+-	g E	comer mod comer mod co	tion: 1×5	Plot no.: 3416
Matural Daraura Managament ECOM NID/2010 02a																	~	cov depth cov depth cov				cov depth cov	comer mod comer mod	Plot area (ha): 0-05	rage
רכט טויטמיםוא אוםר										7	22	R	76	<i>⊼</i>	R	R		depth cov depth cov					comer mod co	0.05	3 01 5



2bCM PCAP Species Cover Data Sheet Back Page\_ver 1.3.ppt

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet رو ROSA ROSA MULTIFICARA Flarinus pennsylumian Acel sawhasimum Frazions genusylania Rooulus delhoides Explain subsample (additional room on back): Platanes occidentalis Ropulus deltoides Platanus occidentalis Acer negundo traxinus pennsylvanica Acel Sachociaum El acagnus umbellata Matanus occidentalis ROSA MULTERIDAN SA MULTEROPA Acer negundo Populus deltoides Repulus de Hoides the negundo DE CANSO Maxinus pennsylvonia tcel negundo MULTEROR Project Label: PCAP voucher# H .. I .; prowsed # stems 0-1.4m sample or super % sub Project Name: 015 (2013 clumps shrub size class (cm) woody stems > 1.4m <u>√</u> 1-<2.5 2.5-<5 Plot No.: 3410 5-<10 10-<15 15 - <20 20 - <25 Page: 25 - <30 30 - <35 으 Cleveland Metroparks 35 - <40 ö الۇ س 4.4.473 46.8, 43, 453.6 >40 (record each tree) = 2



### 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 1













## **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

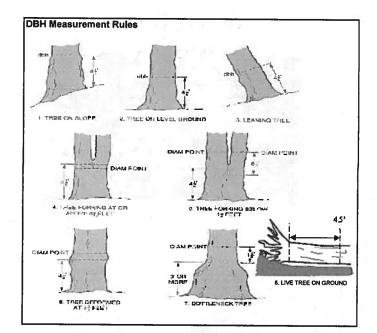
E

# 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.

mod # CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Explain subsample (additional room on back): Populus deltoides Acer suchasinvin Plotonus occidentalis ROSA MULTERORA Acer negundo Project Label: \_\_ PCAP voucher# # sterns browsed 0-1.4m or super sample % sub Project Name: 01 br 4013 Plot No.: 3410 clumps shrub size class (cm) woody stems >1.4m 7 1-<2.5 2.5-<5 5-<10 10 - <15 5 15 - <20 20 - <25 Page: 25 - <30 30 - <35 으 Gleveland Metropaiks 35 - <40 5 48.5 >40 (record each tree) = 58.5



### 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 1













### **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

С

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.

25	24	23	22	21	20	19	18	17	16	15	4	13	12	=	10	9	œ	7	o	G,	4	ω	2
																							500
																					2		
																			14				
																		2					
						-																	
												•				-							
		<u> </u>		_							Ва	selin	  -										
				Map all ash trees ≥10cm in each module using					2				P / /					*** Change intensive module numbers when					1
				each modu			Med.							/	/	4		ule numb		4	<	z _	

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet

Project Label: PCAP

Project Name: 0132013

Voucher#

(cm) 모표

### CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey © Cleveland Metroparks Tier 1: Early detection/ Rapid response Presence **GPS** NE SE SW NW Presence Microstegium vimineum Japanese stiltgrass X: yes Ranunculus ficaria Lesser Celandine Cynanchum Iouiseae (vine) Black Swallow-wort Butomus umbellatus (wetland) Flowering Rush Heracleum mantegazzianum Giant Hogweed Tier 2: Assess as Needed # of Plants comments NE SE SW NW # of Plants Acer platanoides Norway Maple 1: 1-10 Ailanthus altissima Tree of Heaven 2: 11-50. Lonicera japonica (vine) Japanese Honeysuckle 3: 51-100 Lythrum salicaria (wetland) Purple Loosestrife 4: 101-1,000 Aegopodium podagraria (G-cover) | Bishop's Goutweed 5: >1,000 Celastrus orbiculatus (vine) Asian Bittersweet Torilis sp. Hedgeparsley Conium maculatum Poison Hemlock Rhamnus cathartica Common Buckthorn (shrub) Berberis thunbergii Japanese Barberry (shrub) Alnus glutinosa European Alder Dipsacus laciniatus **Cut-leaf Teasel** Elaeagnus umbellata **Autumn Olive** (shrub) Lonicera maackii Amur Honeysuckle (shrub) **Euonymus fortunei** Wintercreeper Tier 3: Presence is of Interest # of Plants comments NE SE lsw NW # of Plants Convallaria majalis (G-cover) Lily of the Valley 1-10 Coronilla varia (G-cover) Crown Vetch 2: 11-50. Eleutherococcus pentaphyllus Five-leaf Aralia (shrub) 3: 51-100 Pachysandra terminalis (G-cover) Japanese Pachysandra 4: 101-1,000 Philadelphus coronarius **Mock Orange** (shrub) 5: >1,000 Pulmonaria officinalis (G-cover) Lungwort Rubus phoenicolasius Wineberry Iris pseudacorus (wetland) Yellow Flag Iris Ornithogalum umbellatum Star of Bethlehem Viburnum opulus var. opulus **European Cranberry** (shrub) Viburnum plicatum Doublefile Viburnum (shrub) Tier 4: Widespread and abundant **Presence** comments NE SE SW NW # of Plants Alliaria petiolata **Garlic Mustard** 9 1: 1-10 Ligustrum vulgare **Common Privet** (shrub) 2: 11-50. **Bush Honeysuckles** L. morrowii, L. tatarica (shrub) 3: 51-100 Phalaris arundinacea Reed Canarygrass 4: 101-1,000 Phragmites australis (wetland) **Phragmites** 5: >1,000 Polygonum cuspidatum Japanese Knotweed $\mathbf{a}$ Frangula alnus Glossy Buckthorn (shrub) Rosa multiflora Multiflora Rose (shrub) コ Typha angustifolia, T. x.glauca Cattails (wetland) Cirsium arvense Canada thistle Dipsacus fullonum Common Teasel Hesperis matronalis Dame's Rocket Vinca minor (G-cover) Periwinkle

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

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a

Project label: PCAP Project Name: 4160 2015 Project Name: 0181 2013

Coloresand Metroparks

Page: 1 of 1

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

20 cm S CIM matrix color 3,5 (3/) matrix color texture\* texture\* redox features\*\* oxid roots ıydır. cond.\*\*\* xid roots edox features\*\* mottle ottle color ottie color Q 15431 0 IS 🐼 D K 0 z

refer to texture classes on reverse side

hydro, cond \*\*\*

I S M)D

\*\* e.g. hydrogen sulfide odor, gleying, etc. lotes: include evidence of earthworms (worms ndundated S=saturated M=moist D=dry

Ducius Sound

SOIL SAMPLES Standard procedure: collect a soil sample of the top 10 cm of soil from center of each micrasive module and composite the sample

□ Impermeable surface Somewhat poorly dr. □ Excessively dr. Soil Series Type: Ch - Chagem siltleam Soil Series Source: Ohio Soil Survey Soil Collection Moduld Horizon (A. B. C) Depth to rest. Layer: 2000 (Vall 807) arent Material Landform type: Flood plains 2,3,8,9 composited Well drained RAINAGE\* reb Soil Survey Information: Somewhat excessively Moderately well dr. Allowown D Very poorly dr 101 City

C1-91-82

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

 mod#	1 litter+ organic depth (cm)	2 litter depth (cm)	water depth	depth sat soil (cm)
2	0,0	0.0	0	0016
 3	0.0	0.0	0	ODKL
 4	0.0	0.0	0	0026

EARTH SURFACE & GROUND COVER	CE & GROUN	D COVER	
Underlying Earth Surface*	Surface*	Ground Cover	
(Sum = 100%)	percent	(Euch ≤ 100%)	percent
Histosol	B	Coarse Woody Debris***	15
Mineral Soil	100	Fine Woody Debris****	2
Gravel-Cobble*	0	Litter	Š
Boulder**	0	Duff (Ferm.+ Humus)	6
Bedrock	0	Bryophyte- Lichen	2
* Gravel-Cobble = 1/16-10*	: 1/16-10"	Water	0
**Boulder => 10 in	5	Bare Soil	S
*** >5 cm in diameter	eter	Road/Trail	3
**** <5 cm in diameter	meter	Other	

COVER BY STRATA estimate using midpol	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	,ex:3, 8, 13
Strata	Height Range (m)	Total Cover (%)
Tree	业5	83
Shrub	1.5	)
Herb	V	98
(Floating)*		
(Aquatic)*	•	
rooted and fic	rooted and floating or slightly emersed	sed
** submersed,	** submersed, most plant mass below surface	w surface
SEE BACK OF DESCRIPTION	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.

Deer	ं Gravel	Bootleg unsanctioned	□ Hiking sanctioned	n Bridle	a All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:	
M						%Cover	each	•	

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

NOTE! tussoci	4	W	Ŋ		4	d	34	d	mod#							10 feature is p	3 feature is p	0 feature is a	Slope 1 = sigt	Ranks for micr	MICROTOF	2)										#U	Module #	STANDING in 0.1m clip p module. Requestions
cand hummocks									corner							resent in modera	esent in the wet	sent or functions	it elevational gra	ohabitat features	OGRAPHIC													BIOMASS (req lots (32x32 cm) aired for VIBI-E
NOTE! tussock and hummocks are counted in BOTH nested quadral comers but counts are seemed to be counted in BOTH nested quadral comers but counts are 526/2011.	$\bigcirc$	C	C	C	B	0	0	C	(count)	txtm	depth 3		tussocks	no of		resume is present in inductions and induities, but tout or inglinest quasity, or in small amounts of inglinest quasity (10 feature is present in moderate or greater amounts and of highest quality	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 binheat quality or in small amounts of	feature is absent or functionally absent from the wetland	Slope 1 = slight elevational grade across module (দিটা)	. Select one or sel	MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only												C7	STANDING BIOMASS (required for emergent wetlands): collected in 0.1m clip plots (32:32 cm) from corners 1 and 3 in each intensive module. Required for VIBI-E score calculation. C7=check when collected
of Page 1.	0	0	70		d	1	2	6	(6	3.16	2	uplands (Tip-Ups)	Ť			ints and of h	mounts or if	wetland	3	ect two and	UNTS - In												Corner	at wetland d 3 in each C'=check
puadrat come ver 3.xls last		`					1		(count)	3.16x3.16m	depth 2	Tip-Ups)	hummocks	no, of		ighest quality	more comm			average the	tensive n										1		Corner	s): collected intensive when
revised 5/28/2012	C	0	C	D	9	1		0	(count)	10x10m	depth I		depressions	по пчасто		Singili ambulus vi.	on, of low quality		Slope 2 = falls on slope ~20 °	score.NOTE: If m	Vino selubor								<b></b>		5			3
NOTE! tussock and hummocks are counted in BOTH nested quadrat comers but counts are aggregated.  ***********************************	25	15	7	18	7	9	3	15	(count)	10x10m	depth 1		(2-12 cm)	c.n.d	c.w.d coun	agnesi quany	Laborat accepts		n slope -20 °	Ranks for microhabitat features. Select one or select two and average the score.NOTE: If mod fells on a slope automatically gets ranked based on steepness (1-3) to begin + any features present		a SHRUB a shrub swamp a tall sh. bog a tall sh. fen	□ FOREST □ swamp forest □ bog forest □ forest seep □ EMERGENT □ marsh □ wet meadow □ open bog	Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	D BOG (strongly, moderately, weekly ombrotrophic)	COASTAL (specify subclass)	o FRINGING o Reservoir o Natural Lake	SLOPE (ground water hydrology or on a physical slop)	n RIVERINE n Headwater n Mainstern n Channel	II IMPOUNDMENT II Beaver II Human	d DEPRESSION	Hydrogeomorphic class (WETLANDS ONLY)	(FII - excellent g Fit and Confidence	CLASSIFICATION
丰慧	ズド	4	7		نو	9	4	F	(count)	10x10m	depth 1		(12-40cm)	c.w.d	c.w.d count for pieces with minimum 1m length				Slope 3 = maxim	sticelly gets ranked l		mp utall sh. bog	h a wet meadow	Community Class	erately, weekly omt	subclass)	voir 🛮 Natural Lak	hydrology or on a phy	vater 🛮 Mainstern	Beaver - Human		SE CWETLANDS	d Confidence	X
sa	0	C	C	0	d	0	0	b	(count)	10x 10m	depth 1		>40 cm	c.w.d	minimum 1m leng				Slope 3 = maximum steepness that can be safely sampled ~45°	based on steepnes		tall sh. fen	open bog	CWETLANDS	brotrophic)		6	ysical slops	o Channel			ONLY		
	4	2	2	2	13	1	2	5	(rank)	10x10m	depth 1		interspers	microhab.	]}				can be safely sam	s (1-3) to begin + a			2 C	CATIN	Fit- C	Fit	1		- A	Fit= C	Fig.			
	2		0	0	9	4	•	9	(runk)	10x10m	SLOPE			microhab					pled ~45*	ny features presen		Conf	Conf		Conf-	Conf*	Conf	Conf	Conf	Conf=	Conf		5	

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
Project Label: PCAP Project Name: りもくるらう

Plot No.: 3410

Oleveland Metroparts Page: 1 of 1

# B INDICES (degrees) + for up - for down

) OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]

+315 doorage	+270 degrees	+225 degrees	+180 degrees	+135 degrees	+90 degrees	+45 degrees	At aspect		
NW.	w	SW	S	SE	Е	NE	z		
		0						LFI*	
								TSI**	
	away.	eye of person	recorders eye to	TSI measure	angles formed by	honzon TSI is	LFI is angle of		

+315 degrees NW

orm Index (position within tandscape)
in Shape Index (site microtopographic shape)

,								١,	l	
	A	W	12.	_	9	<b>∞</b>	u	2	Module	CROWN COVER (DENSIOMETER) Make 4 readings per module facing N. S. E. W. Place dot count in corresonding space. (4 dots per grid square)
	2	82	Z	W	74	31	18	31	Z	ER (DENSION dule facing N. Sace. (4 dots per
	U	S	44	14	46	12	37	44	s	(A dots per grid square)
ŧ	18	8	25	22	33	12	1	7	e	ke 4 e dot count
	[Z]	N	42	24	1	30	4	#	¥	L_ <u>5</u>

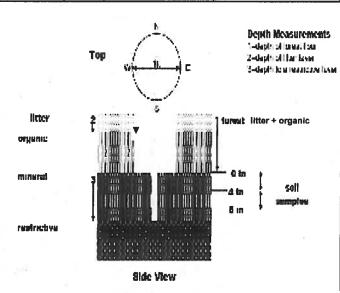
### **COVER BY STRATA**

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.



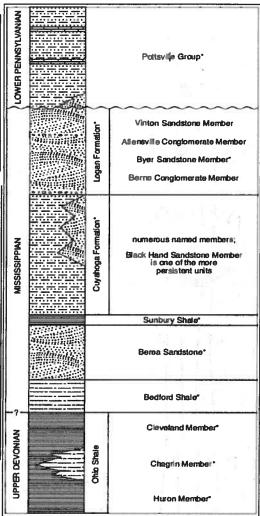


FIGURE 3-20.—Generalized section of Upper Devoman, Missesippian, and Lower Pennsylvanian formations in northeastern Ohio Asterieks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waverty is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European term "Carboniferous," which encompasses the Mississippian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fairly undespread but discontinuous. See Hyde (1935), Hoover (1960), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

•		~				2.3		RM B-1:	BUFF	ER	SAN	<b>APL</b>	E P	LO1					red by (Ir				•
Site I	-	PC	A	13	. 13	14	10				1					E 08					-	3	
Locatio		VG.							_						s) cou	uid not be					→ ]		
O AA C	enter	0	N	0	S	01	E O	W		Plot 1		100000000	Plot		The State of the S	Plot 3		100	-11-14	12			
Fiii in bubbie Strata Section	is for all th on: Fill in a	nat app approp	oiy: Ca oriate c	nopy cover (	class t	bubble	e for eac	ıs: E = Everare	Buffer en. Leaf T or each plo	Type: B	= Bro	oadleaf	f: N = 1	Needi	ie I eaf	Absent: No tree loderate(10-409	∍ canopy. %); 3 = Hea	vy (40-	-75%); 4	l = Ve	∍ry H∈	eavy (	(>75%)
Buffer	Canopy			) (	-	bsen	ıt: O	Buffer	Canop	<del></del>	<u>×</u>	$\leftarrow$	_	bsent	t: O	Buffer	Canopy	Туре	<u>;;                                   </u>	0	Ab	sent	: 0
Plot 1	_	of Type	<del>~</del>	) ( <u>·</u>		$\overline{}$	Flag	Plot 2		af Type	云ĭ	Ĺ		_	Flag	Plot 3	Leaf	Type	$\overset{\smile}{-}$	<u> </u>	Ļ		Flag
Big Trees (>			9		0	0	<del>                                     </del>	Big Trees (>		+=	의	0	9	<u>O</u>		Big Trees	(>0.3m DBH)	0	=	= 1	=	0	
Small-Trees (< Woody Shrubs			$\Theta$	0	0	0	<del>                                     </del>	Small Trees (		1 -	의	0	0	<u>0</u>	<u> </u>	Small Trees	<u> </u>	121	<del></del>	<del>-</del>	의	0	
(0.5m-	-5m HIGH)		0	0	0	0	↓		-5m HIGH)	191	<u> </u>	0	0	<u>O</u>	<u> </u>	(0.5	ubs, Saplings im-5m HIGH)		_	_ +	0	0	
	.5m HIGH)	19		0	0	0	<u> </u>		).5m HIGH)	19	0	0	0	0			<0.5m HIGH)	0	0	<u> </u>	0	0	
	orbs and Grasses		0	0	0	0		Herbs, F	Forbs and Grasses		0	0	0	0		Herbs,	Forbs and, Grasses	0	0	<b>②</b> (	0	0	
Bare	ground	0		0	0	0		Bare	ground	0	0	0	0	0		Bar	e ground	0	0	<u> </u>	0	0	
Litt	ter, duff		0	0	0	0		Lif	tter, duff	0	0	0	0	0		L	itter, duff	0	0	0	0	0	
	Rock		0	0	0	0			Rock	0	0	0	0	0			Rock	0	0	<u> </u>	<u></u>	0	
,	Water		0	0	0	0			Water	0	Ō	0	0	Ö			Water	Ŏ	$\Delta$	_	ŏ	Ŏ	
	bmerged egetation		0	0	0	0			ubmerged egetation		ŏ	0	0	0			Submerged	$\rightarrow$	<del>&gt;  </del>	= +	<del>-  </del>	ŏ	
			e/Ab			Confi	m that			_	es pn			$\sim$	unfilled		Vegetation cates abse		<u> </u>				8
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling thi  Residential and Urban Stressors Hydrology Stressors Agricultural & Rural S																25000110	-						
Residential and Urban Stressors Hydrology Stressors													3	Flag						2	3	Flag	
Road - gra		130		0	0	0		Ditches, CI	-	F- 1		0	ō	0		Pasture/Ha		441			_	0	
Road - two				Ö	ŏ	Ö		Dike/Dam/I	Road/RR		177	0	0	0		Range	y		-		_	0	
Road - four	ır iane	1 6		Ö	ŏ	0		Water Leve	200000	i Strui	ture	0	0	0		Row Crops		Title	-	-	-	0	
Parking Lo	t/Pavem	nent		ŏ	ŏ	ŏ		Excavation				Ö	Ö	0		Fallow Field	d (RECENT-	RESTIN		-	$\rightarrow$	0	
Golf Cours	-			Ö	0	0		Fill/Spoil Ba				0	0	Ö		Fallow Field	d (OLD - GRA	ASS,	-	_	$\rightarrow$	0	
Lawn/Park	1	la la		ō	0	O		Freshly De	posited 5	Sedim	ent	0	0	0		SHRUBS, TRE Nursery	ES)		_	-	_	ö	
Suburban I	*	tial		ŏ	ō	ŏ		Soil Loss/R		osure		o	0	ō		Dairy			-		_	0	
Urban/Mult	tifamily			0	ō	Ö		Wail/Riprag	p			Ö	0	0		Orchard					-	o	
Landfili				0	ō	Ö		iniets, Outl	ets			ō	0	Ö		Confined A	nimal Fee	ding	-	_	-	0	
Dumping				ō	Ō	ō		Point Source		MATER		ō	0	0		Rural Resid			_	-	_	0	
Trash				0	0	Ŏ		Impervious	surface	input		ŏ	ŏ	ŏ		Gravei Pit			_		-	0	
Other:				ō	Ö	Ŏ		Other:	1	THUE SHA		ŏ	ŏ	ŏ		irrigation	100	. 15-11	-		_	ă	
Other:				0	Ö	O		Other:				o	0	0		Other:			_	-	$\rightarrow$	히	
Indus	strial De	evelo	pme				3						38		egeta	tion Stress	ors						
FIII bubble	if prese	int - P	lot	1	2	3	Flag	Fili bubbie	if preser	nt - P	lot	1	2	3	Flag	FIII bubbl	e if prese	nt - P	lot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear	r Cut			0	0	0		Herbicide U	se		(	5	0	o	
Gas Wells				0	0	0		Forest Selec	ctive Cut	7 4		0	0	0		Mowing/Shr				-	$\rightarrow$	0	
Mine (surfa	ece)			0	0	0		Tree Plantat	lion	418		0	0	0		Trails		M	_		$\rightarrow$	ŏ	
Mine (unde	erground	)		0	0	0		Tree Canopy	The second second	ory	-	<u></u>	0	0		Soil Compa			1		-	0	
Military				0	0	0		(INSECT) Shrub Layer	Browse	d	-	ö	_	0		(ANIMAL OR HI	100	-				-	
			-	-		-		(WILD OR DOM Highly Graze	ESTIC)		+					Offroad vehi			ER	-	-	의	
Other:			-	0	0	0		(OVERALL <3" I Recently Bu	HIGH)		+	9	0	0		OR OVERUSE)		-	10		-	이	
Other:								Canopy				0	0	이		Other:			_ <	2	0	의	
Other:				0	0	0		Recently Bui (BLACKENED)				0	0	0		Other:			_ (		0	<u> </u>	
	ig codes: Iffer Sam					Expl	. U = Si lain all fl	uspect measu lags in commo	rement., ent sectio	F1,F2, on on th	etc. = 1e bac	misc k of t	. flags his for	assi m	gned by	y each field cr	BW.	2	4281	683	304		

				BUFFER SAMPLE PLOTS -					Reviewed by	y (initia	1):		Õ
Site ID:	KC	Al	1	3(3410	DAT	E: <u></u>	2.9		06/20/3				3
Confirm	a fille	ed da	ta bi	ubble indicates presence and an unt	illed I	bubbl	e inc	dicates	absence by filling in this bubi	ble			
Fill bubble if present - Plot	1	2	3	Flag Fill bubble if present - Plot	1	2	3	Flag	Fili/bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0	Purple Loosestrife	0	0	0	The state of the s	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	
Giant Salvinia	0	0	0	Perenniai Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0	Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0	Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0	Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0	Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0	Leafy Spurge	0	0	0		Other:	0	0	0	
									Other:	0	0	0	
	J. L.			PLOT COORI	DINA	TES							
Location of coordinate	3	O S	3		Lon	gitud	de V		and comment below)	9			
Flag Comments	41.00	-	17		-						100	521	
riag Comments											_		
,				y y				-	330				
										W			
				*					3				
			_										
			0-0-1										_
				-									
			- 52				_						
									AND THE STATE OF T				
									W 4.4				
Buffer Sample Po	oints	- Tar	gete	d Alien Species 05/27/2011					796	662	354	в (	•

			N <sup>X</sup>		RM B-1:	BUFF	ER	SAI	MPL	E PI	LO1	rs (F	ront)	Revio	ewed by	(initial)	t		•
Site ID:	BC	34	-IC	)	102							DATE	:08	1061	12:	2	1.3	3	
Location:					MAN	FIII	in b	ubb	le(s	if p	lot(s	s) cou	ıld not be	sampled	and fl	ag -	<b>→</b>	1	
O AA Center O N	0	S	O	E 0	W		Plot '		Mark Co.	Plot			Plot 3					Ц	
Fill in bubbles for all that apply: Ca Strata Section: Fill in appropriate of	nopy o	Type: class t	D = C oubbie	eciduou for eac	s; E = Evergre	Buffer een. Leaf 1 or each plo	Гуре: Е	B = Bn	oadlea	f, N = 1	Needk	e Leaf. A	Absent: No treo oderate(10-40)	e canopy. %); 3 = Heavy (4	40-75%)	4 = V	'ery H	eavy (	>75%)
Buffer Canopy Type:	) (	) AI	bsen	t: O	Buffer	Canop	у Тур	e: (0	) (	) At	sent	: O	Buffer	Canopy Ty	pe: 💿	0	Ab	sent	: 0
Plot 1 Leaf Type:	) (			Flag	Plot 2	Lea	of Typ	e: (	<u>)</u> (			Flag	Plot 3	Leaf Ty	pe: 🕦	<u> </u>			Flag
Big Trees (>0.3m DBH)	0	0	0		Big Trees (>	>0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH)	0	0	0	0	
Small Trees (<0.3m DBH)	0	0	0		Smail Trees (	<0.3m DBH		0	0	0	0		Small Trees	(<0.3m DBH)		0	0	0	
Woody Shrubs, Saplings (0.5m-5m HIGH)	0	0	0		Woody Shrub (0.5m	s, Saplings 1-5m HIGH)		0	0	0	0			ubs, Saplings 5m-5m HIGH)		0	0	0	
Woody Shrubs, Saplings (<0.5m HIGH)	0	0	0		Woody Shrub (<0	s, Saplings ).5m HIGH)		0	0	0	0			ibs, Saplings <0.5m HIGH)		0	0	0	
Herbs, Forbs and Grasses O	0	0			Herbs, I	Forbs and Grasses		0	0	0	0		Herbs	Forbs and Grasses		0	0	0	
Bare ground 🔘 🕕	0	0	0		Bare	ground	0	0	0	0	0		Baı	re ground 🕝		0	0	0	
Litter, duff	0	0	0		Li	tter, duff	0	0	0	0	0		L	itter, duff	0	0	0	0	
Rock 🕒 🛈	0	0	0			Rock	0	0	0	0	0			Rock ①	0	(2)	0	0	·
Water ① ①	0	•	0			Water	0	Ō	0	0	Ō			Water 0	<del>.   _  </del>	0	0	Ö	
Submerged Vagatation	Vegetation Vegetation						0	0	0	0	Ō			Submerged Vegetation	0	<u></u>	0	Ŏ	
	_	e - 0	Confi	rm that		egetation bubble i						unfilled		3		ng thi	s bub		•
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence  Residential and Urban Stressors Hydrology Stressors Agriculture												l & Ru	ral S	tres	sors				
Fill bubble if present - Plot	1	2	3	Flag	Fili bubble	e if pres	ent - F	Plot	1	2	3	Flag	Fili bubble	e if present -	Plot	1	2	3	Flag
Road - gravel	0	0	0		Ditches, C	hanneliz	ation		0	0	0		Pasture/Ha	зу		0	0	o	
Road - two lane	0	0	0		Dike/Dam/		₹ Bed		o	0	0		Range			Ö	O	Ö	
Road - four lane	0	0	0		Water Lev		ol Stru	cture	1	0	0		Row Crops	•		0	0	o	
Parking Lot/Pavement	0	0	0		Excavation	n, Dredgi	ng	D.N.	0	10	0	Φ,	Fallow Fiel	d (RECENT-RES	TING	0	0	0	•,
Golf Course	0	0	0		Fill/Spoil B	anks			0	0	0			d (OLD - GRASS,		0	o	o	
Lawn/Park	0	0	0		Freshly De		Sedin	ent	0	0	0		Nursery	the state of the s		0	0	0	
Suburban Residential	0	0	0		Soil Loss/F		osure		0	0	0		Dairy			0	0	0	
Urban/Multifamily	0	0	0		Wall/Ripra	р			0	0	0		Orchard		Maj	0	0	o	
Landfili	0	0	0		Inlets, Out			ti.	0	0	0		Confined A	nimal Feeding	g	0	0	0	
Dumping	0	0	0		Point Sour (EFFLUENT C	OR STORM	WATER	1)	0	0	0		Rural Resid	dential		0	0	0	
Trash	0	0	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit		dive	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 Developme	ent S	Stres	son	8					1	labit	at/V	egeta	tion Stress	sors					
Fill bubble if present - Plot	1	2	3	Flag	Fili bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if present	- Plot	1	2	3	Flag
Oil Drilling	0	0	0		Forest Clea	r Cut	ATT		0	0	0		Herbicide L	lse		0	0	0	
Gas Wells	0	0	0		Forest Sele	ctive Cut		VE	0	0	0		Mowing/Sh	rub Cutting		०	0	0	
Mine (surface)	0	0	0		Tree Planta	tion			0	0	0		Trails			0	0	0	
Mine (underground)	0	0	0		Tree Canop	y Herbiv	ory		0	0	0		Soil Compa	nction		0	0	0	
Military	0	0	0		Shrub Laye		d		0	0	0			nicle damage		0	0	0	
Other:	0	0	0		WILD OR DON Highly Graz	ed Grass	ses		0	0	0		Soil erosion	(FROMWIND, W	VATER,	0	0	ö	
Other:	0	0	0		Recently Bu		rest	-	0	0	0		OR OVERUSE Other:	1		0	0	0	
						irned Gra	asslar	nd					Other:		-	쉬			
Other:  Flag codes: K = No me	11-0	(BLACKENED)				O	O	0	ionad h		row	<u>—</u> l	9	O	0				
Buffer Sample Plots			Exp		lags in comm							.g.ieu D	, out india C	A Special Con-	2428	168	304		
Darrer Dampie i 10t3		, , ,					-				-								-

ESTATE A TRANSPORT OF THE PARTY					ER SAMPLE PLOTS -					Reviewed by	y (initia	1):		
Site ID:	9	CP	+ P	Br	20133410	DAT	E: _C	2.8	31	0.61.20.13				
<ul><li>Confirm</li></ul>	a filic	ed da	ıta bı	ubble i	ndicates presence and an unf	illed (	oubbi	e inc	licates	absence by filling in this bubl	bie			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	$\rightarrow$	0	
			11211/2							Other:	0		0	
					PLOT COORE	DINA	TES	0				710		
Location of coordinate O AA CENTER O No	3 (	<b>S</b> 3	3 (	O E3	O W3 O Nearest prace	Lon	gitud	le W		and comment below)	8.		Flag	9
Flag Comments														
	60	2.74.0	Inc	4		_								
2 End CM			-			-375								
	200000		<u>V</u>	1							-7A	The state of		
							51							
			_		***									
														_
		- 11						_		K 0, 1 401	_		360	-
1925			_		- 1465 P28			-						
					7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-	- 8-					_		$\neg$
<del></del>	_											-		-
				00161				200						-
										7966	5623	548		

05/27/2011

**Buffer Sample Points - Targeted Alien Species** 

													_									
Site I	FORM B-1: BUFFER SAMPLE PLOTS (Front)  Site ID: PAPB13410  DATE: SB 1 5.6 1 2 0 1 3  DAA Center ON OS OE OW  Plot 1 Plot 2 Plot 3																					
			10			11			T Fill	in b	ubb	le(s)	if pl							· ·	<u> </u>	
		•	N	0	S	O F	- 0	w	-			1000			Service .		oumpiou (		-9		1	
OAR	Jontoi						. 0		Buffer		_				200				B			
Fill in bubble Strata Section	es for all thon: Fill in a	nat app approp	oly: Ca oriate d	nopy over c	Гуре: l :lass b	D = D ubble	eciduous for each	s; E = Evergre	en. Leaf T or each plo	ype: B t. 0 = /	= Bro Absen	oadleaf it; 1 = \$	; N = N Sparse	leedle (<10%	Leaf. A b); 2=Mo	bsent: No tree derate(10-40°	e canopy. %); 3 = Heavy (4	0-75%);	4 = V	өгу Не	avy (	>75%)
Buffer	Canopy	у Тур	e: 🕒	) (	) Ab	seni	t: O	Buffer	Canopy	у Тур	e: 🕒	<u> </u>	) Ab	sent	: 0	Buffer	Canopy Typ	pe: 💿	<u>0</u>	Ab	sent	<u>: O</u>
Plot 1	Lea	f Typ	e: 🕒	) (	<u> </u>		Flag	Plot 2	Lea	f Typ	e: 🕒	$\overline{C}$			Flag	Plot 3	Leaf Typ	be: 0	<u> </u>	<u> </u>		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)	0	<u> </u>	<u> </u>	<u> </u>	
Small Trees (<	:0.3m DBH)	0	0	0	0	0		Small Trees (	<0.3m DBH)	0	0	0	0	<u> </u>		Small Trees	(<0.3m DBH)		<u> </u>	<u> </u>	<u> </u>	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	2	0	0		Woody Shrub (0.5m	s, Saplings n-5m HIGH)	0	0	0	0	0		(0.5	ibs, Saplings m-5m HIGH)		0	0	0	
Woody Shrubs (<0.	, Saplings .5m HIGH)	0	0	0	0	0		Woody Shrub (<0	os, Saplings 0.5m HIGH)	0	O	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0	0	0	0	
Herbs, F	orbs and Grasses	0	0	0	0	0		Herbs, I	Forbs and Grasses	0	0	0	0	0		Herbs	Forbs and Grasses	0	0	0	0	
Bare	ground	0	0	0	0	0		Bare	e ground	0	O	0	0	0		Bar	e ground 0	0	0	0	0	
Lit	ter, duff	0	0	0	0	0		Ċi-	tter, duff	0	0	0	0	0		L	itter, duff 💿	0	0	0	0	
Rock ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (														0	0							
Water O O O O Water O O O O Submerred O O O O Submerred O O O														0	0							
Water         ()														Ō	0	0						
Vegetation 0 0 0 0 0 Vegetation 0 0 0 0 Vegetation 0 0 0 0														bub	ble.	9						
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																						
																Flag						
Road - gra		0176	100	0	0	0		Ditches, C	-			0	Ō	Ö	5	Pasture/Ha			o	0	o	
Road - two	-	12. 71		0	0	0		Dike/Dam/	Road/RR			6	ŏ	0		Range	•,		ŏ	ŏ	ö	
Road - fou				0	0	0		Water Lev	7000 T	l Stru	cture	1	Ö	0	-	Row Crops			0	0	0	
Parking Lo		nent		0	ŏ	0		Excavation	n, Dredgir	ng		ŏ	0	O			d (RECENT-REST	TING	ö	Ö	Ö	
Golf Cours				0	Ö	Ö		Fill/Spoil B	Banks	11.00		0	0	0			d (OLD - GRASS,		ö	0	Ö	$\neg$
Lawn/Parl			11 321	0	Ö	Ŏ		Freshly De		Sedin	ent	ō	Ö	0		SHRUBS, TRE Nursery	:ES)		ŏ	o	0	
Suburban	Residen	ntial	7	0	Ō	0		Soil Loss/	The state of the s	osure		0	0	0		Dairy			o	0	0	
Urban/Mu	Itifamily			0	0	O		Wall/Ripra	ıp			0	0	0		Orchard			0	0	0	
Landfill				0	0	0		Inlets, Out	lets			0	0	0		Confined A	nimal Feeding		o	0	0	
Dumping				0	0	0		Point Sour		NATER	8)	0	0	0		Rural Resid	dential		0	0	0	,
Trash				0	0	0		Impervious (SHEETFLOV	s surface	input		0	0	0		Gravel Pit			0	0	0	
Other:				0	0	0		Other:				0	0	0	,	Irrigation			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:			0	0	0	
Indu	strial D	evel	opm	ent S	Stres	son	8						labit	at/V	egeta	tion Stress	sors					
Fill bubble	e if pres	ent -	Piot	1	2	3	Flag	Fili bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if present	- Plot	1	2	3	Flag
Oil Drilling		12	7	0	0	0		Forest Clea	ar Cut			0	0	0		Herbicide L	lse		이	0	0	
Gas Wells	3			0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting		<u> </u>	0	0	
Mine (surf	ace)	1/		0	0	0		Tree Planta	ation			0	0	0		Trails			0	0	0	
Mine (und	erground	d)	1	0	0	0		Tree Canor	py Herbive	ory		0	0	0		Soil Compa			0	0	0	
Military				0	0	0		Shrub Laye	er Browse	d		0	0	0			nicle damage		0	0	0	
Other:	-		Tu	0	0	0		Highly Graz	zed Grass	ses		0	0	0		Soil erosion OR OVERUSE	(FROM WIND, W	ATER,	o	o	0	
Other:				0	0	0	-	Recently B		rest		0	0	0		Other:	-		o	0	0	
Other:				0	0	0		Canopy Recently B		asslaı	nd	0	0	0		Other:			0	0	0	
	ao codes	: K = 1	No me	_	-		e. U = S	(BLACKENED)		F1.F2	2. etc.				aned b	y each field c	rew.	0400				
	uffer Sai					Exp	lain aii f	lags in comm	nent section	on on	the ba	ack of	this fo	m				2428	T 68	304	4	

rose, glossy huditharn

• FC	ORN	B-	1:	BUFF	ER SAMPLE PLOTS -	TAI	RGE	TE	D ALI	EN SPECIES (Back) Reviewed	by (initia	ai):		0
Site ID:	P	CA	01	30	34lo	DAT	E: (	5.8	<u>}</u> /	0612013				
Confirm	a fill	ed da	ata b	ubble i	ndicates presence and an uni	illed	bubb	ie ind	dicates	absence by filling in this but	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	,
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
										Other:	0	0	0	
					PLOT COORE	INA	TES			RENERS OF LIVE			<u> </u>	
O AA CENTER O N3  Latitude N	_	A		O E3		Long	gitud	e W		and comment below)	2		1	
					Ose Decimal Degre	7 <del>0</del> 3, 1	YAD	03						
Flag Comments													UP I	
1 Plax is v	en		کو ل	2 6	property line.	C5 \	25	:00	int	3 Ales dr 20		1	al	
of AA Cert	وح	) - (4	æ.		mated spis was	Ne	1	201	12001	- Meno portes 10		_/\/ _/\/	OM	
might exte	1								<u> </u>	THE HOLD TO S	7	VA.	<del>)</del>	
									_				-	
					······································					, , , , , , , , , , , , , , , , , , ,				
					·									$\dashv$
												-		-
												_		$\dashv$
		_												_
					· · · · · · · · · · · · · · · · · · ·					Le .				$\dashv$
								-						_
	- 10											3377		
			_											
													1	
Buffer Sample Poi	nts - '	Targe	eted /	Alien Sp	pecies 05/27/2011					7966	623	548		

Site	ID:	2CA	H [	3r'	34	HC		RM B-1:	BUFF	ER	SA	MPL	E P	LO	•	ront)		Reviewed by		):	7	•
Locati							i da esta esta esta esta esta esta esta est		FIII	in b	ubb	le(s	) if p	lot(		uld not be				-	É	
OAAC	Center	C	N	0	S	0	E O	w	200	Plot		-	Plot		40	Plot 3						
Fill in bubble Strata Section	es for all th	hat ap	ply: Ca	anopy cover	Type:	D = [ bubbl	Deciduou e for eac	ıs: E = Everare	Buffer en. Leaf T or each plo	Tvoe: B	3 = Bm	oadlea	f: N =	Needi	lie Leaf	Absent: No tree	e canopy. %); 3 = Hea	vy (40-75%	o); 4 = \	√ery i	leavy	(>75%)
Buffer Plot 1	Canop	y Typ		) (	<del>(     </del>	bsen	it: O	Buffer Plot 2	Canop	y Typ		$\leftarrow$	$\leftarrow$	bsen	nt: O	Buffer Plot 3		Type:	$\stackrel{\leftarrow}{=}$		sent	t: C
Big Trees (>	>0.3m DBH	10	O	0		0	T	Big Trees (>			0	$\overline{\odot}$	<u></u>	0	1145	Big Trees	(>0.3m DBH)	كالكا	10		0	Flay
Small Trees (<	<0.3m DBH	0	0	Ō	Ō	Ō	<u> </u>	Small Trees (			Ö	Õ	0	ŏ	$\vdash$	Small Trees			0	$\odot$	ŏ	
Woody Shrubs	s, Saplings -5m HIGH)		Ō	0	0	Ŏ		Woody Shrubs			Ö	0	0	$\frac{\circ}{\circ}$	$\vdash$	Woody Shru	ıbs, Saplings	00	0	0	0	
Woody Shrubs		<u></u>	Ö		ŏ	ŏ		Woody Shrubs			Ö	$\overline{0}$	0	$\frac{\circ}{\circ}$	$\vdash$	Woody Shru		00	0	0	$\ddot{0}$	
	orbs and Grasses	0	Ŏ	ō	0	0	<del>                                     </del>		Forbs and	0	Ö	0	0	$\frac{\circ}{\circ}$	$\vdash$	<del></del>	<0.5m HIGH) Forbs and	00	0	0	0	
Bare	ground	0	1	0	िं	0		Bare	Grasses ground	0	0	0	0	$\frac{\circ}{\circ}$	<del>                                     </del>	Bar	Grasses re ground	00	0	0	0	
	ter, duff	0	5	0	0	0			iter, duff	1	0	0	0	$\frac{0}{0}$	<del> </del>	100000000000000000000000000000000000000	itter, duff	00	0	0	0	
	Rock		0	0	0	0			Rock	0	0	0	0	$\frac{\circ}{\circ}$	$\vdash$	-	Rock	00	0	0	0	
	Water		0	0	0	0			Water	0	0	0	0	$\frac{0}{0}$			Water	00	0	0	0	
	Submerged Vegetation ① ② ③ ①							bmerged	0	0	0	0	0	-		Submerged		0	0			
	tressor Presence/Absence - Confi								egetation bubble in			_		_	unfilled		Vegetation			_	Ol	4
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an un  Residential and Urban Stressors													Grin.o.	1	Agricultu			1000				
		_			2	3	Flag			-		1	2	3	Flag				1	2	3	Flag
Road - gra				0	0	0	5	Ditches, Ch		LINE	100	0	0	0	1	Pasture/Ha			0	0	0	1 145
Road - two				0	Ö	0		Dike/Dam/f	Road/RR			0	0	0		Range	у		0	0	0	
Road - fou	ır lane	199		0	0	Ö		Water Leve	to make	l Stru	cture		0	0		Row Crops			0	0	0	
Parking Lo	ot/Paverr	nent		0	0	0		Excavation	, Dredgir	ng		ō	0	0		Fallow Field	d (RECENT-F	RESTING	0	0	0	, :
Golf Cours	se			0	0	ō		Fill/Spoil Ba	anks			0	0	Ö		Fallow Field	d (OLD - GRA	VSS,	0	0	ö	- 11-1
Lawn/Park			, 17	0	0	0		Freshly De		Sedim	ent	O	0	O		SHRUBS, TRE	<u>ES1</u>		Ö	0	ŏ	-
Suburban	Residen	tial		0	0	0		Soil Loss/R		osure		O	0	Ō		Dairy	201272		Ō	0	ö	
Urban/Mult	tifamily			0	0	0		Wall/Riprap	)	T NE		O	0	0		Orchard			0	0	0	
Landfill	16.14			0	0	0		Inlets, Outle				0	0	0		Confined A	nimal Fee	ding	0	Ö	Ö	
Dumping				0	0	0		Point Source	RSTORMA	VATER	1	0	0	0		Rural Resid	lential		0	0	o	
Trash				0	0	0		Impervious (SHEETFLOW	surface	input		0	0	0		Gravel Pit	100		0	Ö	ö	
Other:				0	0	0		Other:				0	0	0		Irrigation	W. 1218		0	Ö	Ö	
Other:				0	0	0		Other:		-		0	0	0		Other:			0	0	0	
Indus	strial De	evelo	pmo	ent S	itres	sor	3					ŀ	labit	at/V	egeta	tion Stress	ors					
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - P	lot	1	2	3	Flag	Fill bubbl	e if prese	nt - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear		1		0	0	0		Herbicide Us			0	0	0	
Gas Wells	THE STATE			0	0	0		Forest Selec	-			0	0	0		Mowing/Shr			0	0	0	
Mine (surfa	ace)			0	0	0		Tree Plantati	-			0	0	0		Trails		11/8	0	0	Ö	
Mine (unde	erground	)		0	0	0		Tree Canopy	-	ory		0	0	0		Soil Compac			0	0	0	
Military				0	0	0		Shrub Layer	Browsec	đ		0	0	0		(ANIMAL OR HU Offroad vehi			0	9	0	
Other:				$\vdash$	_	-		(WILD OR DOME Highly Graze	ed Grass	es	+	_	0	_		Soil erosion				-	$\rightarrow$	
							OVERALL <3" H Recently Bur	righ) med For	est	-	0		9		OR OVERUSE)			0	0	9		
					0		Canopy Recently Bur			d	0	0	0	-	Other:			9	9	9		
Other:	- codesi	V - N		0	0	이		(BLACKENED)				0	0	0		Other:			0	0	0	
						Expl	, U = St ain aii fi	uspect measu ags in comme	rement., ant section	F1,F2, n on ti	etc. =	misc ck of t	:. flags his for	assı m	gned by	y each field cre	₩.	2428	168	304		
BU	ıffer Sam	ipie r	10ts	05/	21/2	.011																

● FC	RM	B-1	1: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TE	O ALI	EN SPECIES (Back) Reviewed by	/ (Initla	I):		•
Site ID:	1C	AP	12	,13	410	DAT	E: _(	5.5	312	0612013				
Confirm	a fiiid	ed da	ta b	ubble i	ndicates presence and an unf	illed I	oubbi	e inc	dicates	absence by filling in this bubi	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Fiag
Eurasian Watermilfoll	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
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	1.0.00
										Other:	0	0	0	
				10/11/2	PLOT COORE	DINA	TES							
Location of coordinate O AA CENTER O No	3 (	O S	3	● E3	O W3 Nearest prac	Lon	gitud	de W		o.81.5.7.0.7	8.		Fla	g
Flag Comments			-				19						111	
1 End CMI	P	Ra	u d	lacu	line; also a river	/ (	ماء	الارا	Vo. C	natt.				
2 River block				7	time, 450 4 Trois		i) (ot	,	7	2 j h			-105	
		-							***				ji.	
				222										
				,										
			3024											
								(8)				-347	2	
					400 A WARE COM-		7,000							
					400 3.2									
											-			
				110-100-11		_				- 11 - 12 - 12 - 12 - 12 - 12 - 12 - 12				_
								-	Wes .			Messe		
Buffer Sample Po	ints -	Targ	geted	l Alien S	species 05/27/2011					796	6623	3548		D

FORM B-1: BUFFER SAMPLE PLOTS (Front)  Site ID: PCAPBC3410  DATE: 0810612013													•							
Location: Fill in bubble(s) if plot(s) could not be sampled and flag →																				
O AA Center O N	w																			
Buffer Natural Cover Strata  Fill in bubbles for all that apply: Canopy Type: D = Deciduous; E = Evergreen. Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy.  Strata Section: Fill in appropriate cover class bubble for each strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%)																				
Buffer Canopy Type: Absent: Ca					Buffer Plot 2	DI-40						Buffer Plot 3	Canopy		$\overset{\sim}{\sim}$	3 3				
Plot 1 Leaf Type:		الا 10		Flag	Lear Type.						$\overline{\bigcirc}$	Flag			Туре	$\preceq$	$\frac{\Theta}{\Box}$	爿	$\overline{}$	Flag
		0	<u>0</u>	<del>                                     </del>	Big Trees (>0.3m DBH)		0	0	$\frac{\odot}{\odot}$		<del></del>	(>0.3m DBH)	💢	읭	읭		0			
Woody Shrubs, Saplings		1	+=	<del> </del>	Small Trees (<0.3m DBH)		0	0	$\frac{\odot}{\odot}$		Small Trees Woody Shru	(<0.3m DBH) ubs, Saplings	1	읫		9	0			
(0.5m-5m HIGH)	0	0	0	<del>                                     </del>	(0.5m-5m HIGH)		0	9	$\frac{\odot}{\odot}$		(0.5	im-5m HIGH) ibs, Saplings	1_1	의	<u> </u>	9	0	<u> </u>		
(<0.5m HIGH)	0	0	0		(<0.	).5m HIGH) Forbs and	اکا		0	9	$\frac{\odot}{\odot}$	ļ	(*	<0.5m HIGH) Forbs and	9	읫	의	9	0	
Grasses U U	0	0		<del> </del>		Grasses	9	9	0	의	$\frac{\odot}{\odot}$			Grasses	9	의	의	의	9	
Bare ground ①	0	0	0	ļ			읫	9	$\frac{\odot}{\bigcirc}$		1 2 2			의	의	9	의	<i>s</i> *		
Litter, duff 0	0	0	0	ļ	Lit	tter, duff	0	9	9	9	<u>0</u>		L	itter, duff	0	의	의	0	0	
Rock 🕖 🛈	0	0	0			Rock	0	0	0	<u> </u>	<u> </u>			Rock	0	<u> </u>	0	0	0	
Water 0	0	0	0		61	Water	0	9	9	9	<u> </u>			Water	0	의	0	<u> </u>	<u>0</u>	
Submerged Vegetation	0	0	0		v	ubmerged egetation	0	0	0	<u> </u>	<u> </u>			Submerged Vegetation		0	<u> </u>	<u> </u>	<u> </u>	
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates abse										nce b	y fillin	g this	s bub	ble.	•					
Residential and Urb	Hydrology Stressors						Agricultural & Rural Stressors													
Fill bubble If present - Plot	Fill bubble if present - Plot 1 2 3 Flag		Flag	Fill bubble if present - Plot			1	2	3	Flag	Fill bubble if present - Plot			ot	1	2	3	Flag		
Road - gravel	0	0	0		Ditches, Ch				0	0	0		Pasture/Hay				0	0	0	
Road - two lane	Road - two lane			Dike/Dam/Road/RR Bed (IMPEDE FLOW)			0	0	0		Range				0	0	0			
Road - four lane O O (		0		Water Level Control Structure			0	0	0		Row Crops				0	0	0			
Parking Lot/Pavement	Parking Lot/Pavement O O O			Excavation, Dredging			0	0	0		Fallow Field	D)		IG	0	0	0			
Golf Course OOO			Fill/Spoil Banks			0	0	0		Fallow Field SHRUBS, TRE	(OLD - GR	ASS,		0	0	0				
Lawn/Park O O O			Freshly Deposited Sediment (UNVEGETATED)			0	0	0		Nursery				0	0	0				
Suburban Residential		0	0		Soil Loss/R		sure		0	0	0		Dairy				0	0	0	
Urban/Multifamily	rban/Multifamily			Wall/Riprap			0	0	0		Orchard				0	0	0			
Landfill	0	0			Inlets, Outlets			0	0	0		Confined A	nimal Fee	ding		0	0	0		
Dumping	000		Point Source/Pipe (EFFLUENT OR STORMWATER)			0	0	0		Rural Residential				0	0	0				
Trash	0	0	0		Impervious surface input (SHEETFLOW)		0	0	0		Gravel Pit				०	0	0			
Other:	0	0	0		Other:			0	0	0		Irrigation				0	0	0		
Other:	0	0	0		Other:	Other:			0	0	0		Other:				0	0	0	
Industrial Developm	ent S	Stres	SOL	5					+	labit	at/V	egeta	tation Stressors							
Fill bubble if present - Plot	1	2	3	Flag	Fiii bubble	if preser	nt - P	lot	1	2	3	Flag	Fill bubble if present - Plot				1	2	3	Flag
Oil Drilling	0	0	0		Forest Clear	r Cut			0	0	0		Herbicide U	se			0	0	0	
Gas Wells	0	0	0		Forest Selective Cut		0	0	0		Mowing/Shr				0	-	0			
Mine (surface)	0	o	0		Tree Plantation		0	0	0		Trails				ŏ	0	Ö			
Mine (underground)	0	0	0	-	Tree Canopy Herbivory		0	0	0		Soil Compa		711		5	0	0			
Military	0	0	0		(INSECT) Shrub Layer Browsed		0	0	0		(ANIMAL OR HI		70	_	5	-	0			
Other:	0		0		(WILD OR DOMESTIC) Highly Grazed Grasses						Soil erosion		-	CD	-	-	-			
	1	0	$\rightarrow$		OVERALL <™ HIGH) Recently Burned Forest		의	0	의		OR OVERUSE)			_			의			
Other:	0	0	0		Canopy Recently Burned Grassland		0	0	0		Other:			=	의		0			
Other:	0	0	0		(BLACKENED)			0	<u></u>	0		Other:			_L	0	이	0		
Fiag codes: K = No me			Expl	. U = Si lain aii fi	uspect measu lags in comme	ent section	F1,F2, n on ti	etc. =	misc ck of t	his fo	s assi m	gned by	y each field cn	ew.	2	428	168	304		

.

.

● FC	ORM	B-	1: 1	BUFF	ER SAMPLE PLOTS -	TAI	RGE	TEI	D AL	EN SPECIES (Back)	w (Initia	ul):		
Site ID:	P	CA	P	Bri	34/0	DAT	re: _	09	81	06/2013				
Confirm	a fill	ed da	ata b	ubble i	ndicates presence and an uni	illed	bubb	le ind	dicates	absence by filling in this bub	ble			
Fili bubble if present - Plot 1 2 3 F			lag Fill bubble if present - Plot		1 2 3		Flag			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	Ivinia O O O Perennial Pepperweed		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0			
Garlic Mustard	ustard O O O Giant Reed		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0			
Poison Hemlock	son Hemlock O O O Cheatgrass		Cheatgrass	0	0	0		Tamarisk	0	0	0			
Mile-A-Minute Weed OOOReed		Reed Canary Grass	0	0	0		Other:	0	0	0	-			
Birdsfoot Trefoil O O O Co		Common Reed	0	0	0		Other:	0	0	0				
Canada Thistle		0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
										Other:	0	0	0	
				0.07	PLOT COORE	DINA	TES							
O AA CENTER O N3  Latitude N	3 (	) S3	3 (	O E3	_	Long	gitud	e W		and comment below)	5.		Flag	
					- Coo Boomar Bogin		IVAD	00						
Flag Comments													i X	
1 At appor.	1	5 1	n	Wo	+BP#lonMe	h		live.	20	wheel or property	60	* 00	JA.	,
10	105.0			2						FIFT		<u> </u>	-	
									_					
					-\									
													_	$\dashv$
											1335			$\dashv$
											,			$\dashv$
						-					-			$\dashv$
Buffer Sample Poi	nts - '	Targe	eted /	Alien Sp	pecies 05/27/2011					7966	623	548		