CLEVELAND MET	TROPARKS Plant Community Asse	ssment Program:	Quality Control Form	Cieveland Metroparks
Project Label:	PCAP	Plot No	: 1324 Date Sampled: 07-09	and the second s
			Comment required if item	answer is NO
Parking/Access outside	de of Park Boundaries:	Y N	If yes, write details in Comments secti	
Field journals comple		Y N		
Site sketch made on 1		(Y) N		100000
Check cover page	X-axis Bearing of plot recorded	Y N		
	GPS coords. Recorded	Y N		
	North direction recorded	Y N		
	Photographs taken?	YN		
Plot No., Date agreen		YN		W W
Header data complete		N N		
	ed in all Intensive modules	YN		
Browse Level By Spe		Y) N		
Woody stem quality of		Y N		*****
Invasive plant quality		Y) N		444
Ash trees mapped		N N		
Cover by Strata? (con	firm cover type)	Y N	<u> </u>	
	with matching plot #.	YN		
	datasheet with initials and number	YN		in points.
Vouchers labeled on o		YN		
Pink flags removed	one did not be a second of the	Y N	Instructed to leav	e Class
Data sheet QA before	leaving site?	Q N	AISTRUCTED TO TEAT	-C Flogs
Common equipment r		YN		
Data sheets scanned?	cturned to tab.	7/19/13	Enter date to left	and
Final data sheets scan	ned?	1111113	Enter date to left	Cmc
Buffer Widths measur		(Y) N	6-20-13 AL	
Web Soil Survey	cu:	(Ÿ) N	AS 7-26-13	
Voucher Location	Refrigerator	YN	10 1 40 13	
(#vouchers collected)	Press (#)	THE THE PARTY NAMED IN COLUMN TWO IN COLUMN	Enter number to left	
	Drier	Y N	Enter number to left	
ACL 057-	Identified	1		
ACL 071	Mounted			
		Y N		
	Thrown away	J Y N		
GRTS point verificat	tion: Is plot sampleable?			
Yes	Original GRTS point is sampleable			The second reserve
n No	Original GRTS point lands in a non-		ill in category below)	
	☐ Point falls in a water (i.e. river, i			
	Managed mowed area (i.e. golf	course, picnic area, rig	ht-of-way)	
3449	Paved area (i.e. parkinglot, road) Unsafe to sample (i.e. steep slope			
	Other	.,		
Additional Comment	s:			
	olford Cemetary			0
Data Quality Contro	ol 2011.xls last revised 6/20/2011	ceh	Natural Resource	s Mangement Form NR

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Shoot	nmunity Assessment Proc	Iram - Background Dat	Chapt		•
Project Label:	PCAP	Project Name: 0/ 60 2013	C 2013	Plot No.: 132	S24 Page 2 of 2
PRODUCTED NATORESERVE CLASS*		DIST	DISTURBANCES		
TO L	Fit=Conf=	type*	severity** yrs ag	yrs ago % of plot d	description
Mesic Flo	Mesic Floodplain Forest	Human	7 0		anthro o
	-	Natural		\neg	8
COMMOND I INAME.		Fire			
		Cut			
		Animal	7	1002 h	מאמויוצב
HOMOGENEITY		Other			
			. ML=med low, M=me	d, MH=med high,	**L=low. ML=med low. M=med, MH=med high, H=high, VH=very high
nclusions	Trecorder forten	Current	Current Land Use: Park		
Other manners and a second sec	and only		Former Land Use: Unk	nows	
	TIPE COLOGIC REGIME*	*			
SALINITY*	- Opimia (acidom mooded)	□ Intermittently flooded	ooded		
	intermittently/seasonally saturated	ted Semipermanently flooded	y flooded		
	(seidom flooded)	Permanently flooded	oded		
	☐ Permanently/Semipermanent. saturated	sturated	oded daily		
	(dry <1/yr, seldom flooded)	□ Tidal/Seiche flooded monthly	ded monthly		
(1) (1)	□ Occasionally flooded (<1/yr)	□ Tidal/Seiche flooded irregular	oded irregular		
	Temporarily flooded	(e.g. wind, storms)	ns)		
Additional notes & diament (5		🗅 Unknown	lly.		
Auditional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	of plot to the stand, successional	status, maturity, etc.)			
					Ţ,

adicans lagara Adrica msylvanica msylvanica	Creweland Motoparks	Project Label: Total modules:
Cher # (bare soil) 1 0 1 0 0 0 0 0 0 0	Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: 21 Bc 2013 Total modules: 10 Intensive modules: 4 Plot configuration
は	Estimate for each intensive module: %open water %unvegetated open water	ment Program Species (Project name: 2)
の	deplh Pod	es Cover Data :
	corner mod corner mod 3 4 3 cov depth cov depth 1 0	Data Sheet 2a O(3 Plot no.: Plot configuration:
9 F - M W W 8	corner mod	2×5
20 20 20 20 20 20 20 20	mad corner mod	Page Plot area (ha):
1 2 2 2 3 3 4 3 3 4 3 3 4 3 3	comer mod comer mod comer 4 9 2 R R cov depth cov depth cov	Page of4

Natural Resource Management FORM NR/2010-02a

2% r

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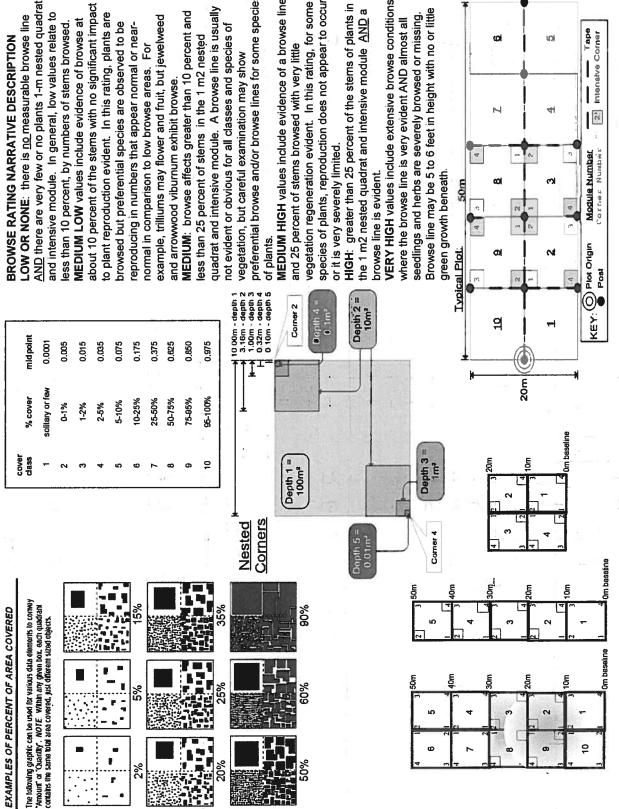
œ

Project Label:	TROPARKS Plant Community Assessr	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: 01 22 2013 Plot no.: 1334	Page 2 of 4
Total modules:	10	configuration: 2×5	Plot area (ha):
Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	Estimate for each comer mod comer mo	cov depth cov depth cov
Strata - Cov. entire plot	enna pior	%unveg. ground (bare soil) 1 1 1 1	
T S H (F)(A) Br	3r Species	depth cay depth cay depth cay depth cay	don't don't
K	Daucus c	2 2 2 septim con part of the p	cov depth cov depth cov
4	6	200 P	م
	Purpor Hearn Pilosum	+	
	4-	3 A I I	
1	atrop	ಬ	ري 4
2	Gléchoma hederacea	W	
	Lecottadon autumnalis		
7	HAKADINA togse Lirsivania	2 C4-439 1 1	
7 V	Skonicera mackaji	を行えては、これには、これには、これには、これには、これには、これには、これには、これに	
2	Hupericum perforatum		
	4		
2	Frunias Sevotina	333	
	Geum Sp.		
シ シ シ ・ ・	us sp.	- 2 - 2 - 5	
- 2	Hsteracea Sp. # 2	4 2 3 2 3	ч 3
>-	Deum canadense	2	
02			
٥	Uxalis stricta	2)	
- 2	Trangula alous	ار الا	0
	Maknown # 6 Posts	× ACL 062 21	
5	Gewn considerse		
2.3	Unknown #7 dicot	X ACL063	
.0.	Illoss Sp.		
	Mimulus ringens		
	HARKABUM JUNCUS EFUSIS	X ACLOGH IIII	
	(

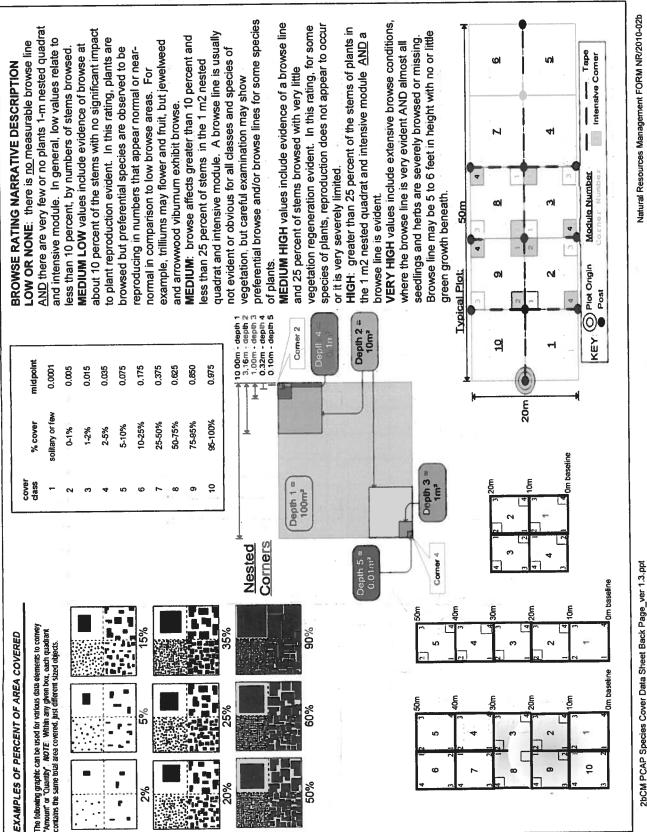
Natural Resource Management FORM NR/2010-02a

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

SRE 11-12-13



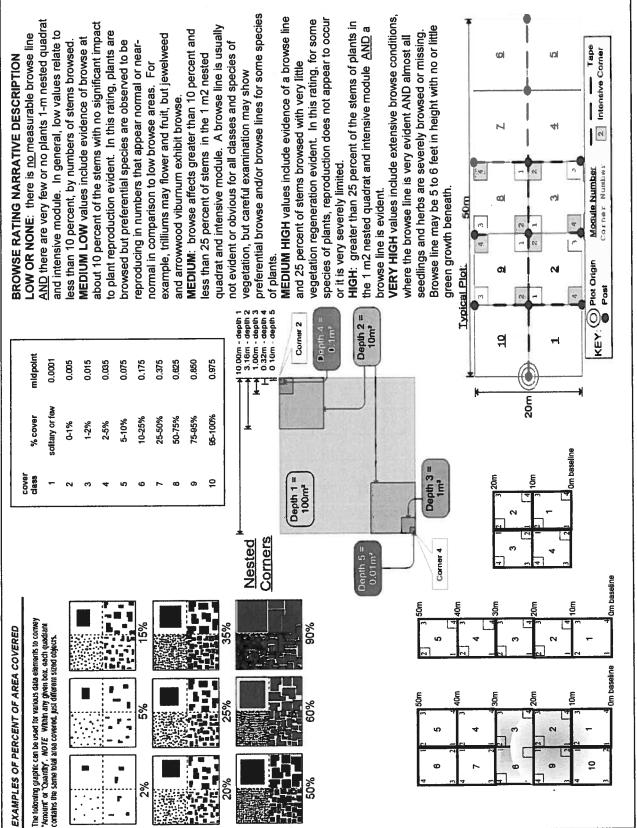
Harknown parseles interes XACLOGS Parthenocissus guinque falia Satureja vulgaris - Numechange Clinipod um Satureja vulgaris - Numechange Clinipod um



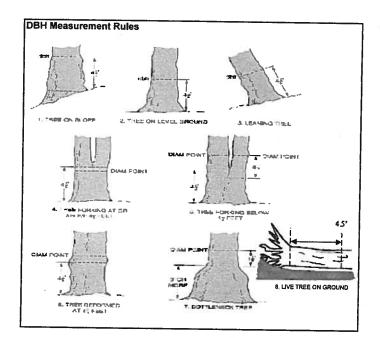
2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

Project label: POLIP	2aCM PCAP Species Cov															-			<u>w</u>	3			دو.				T S H (F)(A) Br	4		Cleveland	+	0	Total modules:		Project Label:
and species Cover Data Sinest 2a Plot noc. 1324 modules: 4 Plot configuration: 2x5 Plot area (ha): 1 modules: 4 Plot	/er Data sheet Page 1 of x_ver 3.xls last revised																	100 mm	K,		cciden	triphyllum tophyllu	n canad	Cirsium acuerse	0	Juglans nigra	Species		entire plot	describe amount of browse per species over	Br = Browse Level. Use cover classes to		10		COPARRS Plant Community Assess
Plot no.: 1334 ion: 3x5 Plot area (ha): 1 cor depth c	5/29/2012 ceh																	15			G	3						%unveg. litter (bare litter)	%unvegetated open water	%open water	intensive module:	Estimate for each	Intensive modules:	i roject name:	ment Program Speci
Plot no.: 1334 ion: 3x5 Plot area (ha): 1 cor depth c				 	_	-	<u> </u>	+		_	-	_		<u> </u>	<u> </u>	1	1.	1							_		80	_	<u> </u>	-	8	mod comer		01 08 00	es Cover I
Plot no.: 1334 ion: 3x5 Plot area (ha): 1 cor depth c			Noc	10000			9 50		1	coin				L	İ		ł										COV		$\frac{1}{1}$		COV	corner	Plot config		Data Shee
Page 4 of 4 AXS Plot area (ha): Result cov depth co						-					_				-		1	1									COV	1		-	904	comer	guration:	. 1	
Plot area (ha): Plot area (ha): Cov depth cov depth cov depth Cov depth cov depth R R R R R R R R R R R R R																			A DEP								COV				CDV	mod comer	2×S	10.	5
Plot area (ha): Plot area (ha): depth cov depth cov depth 1	Vatural Res	_		 _		_	ļ.,	<u> </u>	1	_		_	_	_	L	<u> </u>	 	<u> </u>	-	_				1.				<u> </u>	-			mod comer			
area (ha): mod comer mod comer mod	ource Mana																-	$\frac{1}{2}$		-											-	mod comer	Plot		
e 4 of 4 et mod corner mod R depth cov depth AR R R R R R R R R R R R R	agement F					See Man		-										T										- -	-			mod com	area (ha		Pag
PARARA depth av depth R R	ORM NR/S							-	1							-	+	1									depth	#			_	er mod oo);		4
	010-022			era)		200												1	0	D	70	70	R	_	_	ZZ						b mod			of 4

STA



2	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	3	Vilanima V	Accocs	ont Pro	oram N	atural W	nody S	tem Dati	Sheet						7	
(Project Label:		PCAP	•	Project	Name:	Project Name: Ol Bol324	324		Plot No .: 1324	324		Page:	-	<u>ء</u> ا	2 Clevela	2
	Explain subsample (additional room on back):	on ba	ck):			I G											
mod #	species	n	voucher#	# stems 0-1.4m browsed	% sub or super sample	# shrub	size class (cm) wood 2 1-<2.5	size class (cm) woody stems >1.4m	ä -	5 10 - <15	6 15 - <20	, 20 - <25	8 25 - <30	9 30 - <35	10 35 - <40	11 >40 (record each tr
7	Standing head			_	-			Ĺ									
	-					0 6											
7	ROJA MULTSFLORA			00		8											
>				60				in the					A TO				
Ĺ,	LINGUSTRUM VULGARE			6		_	,										
2	LINGUSTRUM VULLGARE					00											
12	Acer Nown			ă.												Ľ	
12	6			•		0											
3	Pours servind																
7	Standon Stead									6							
5	ROSA MULTIFLORA			0		. 0											
in				6 9		0 6											
ú	Craterous sp.									0							
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4	LINGUYRUM NULGARE	-) (I											
4	ROSA MULTEFLORA	100				6											
Á	Cristerius So.	┝									1						



Woody Stem Deer Browse

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

Record using the tally system from 1 to















ASH CANOPY CONDITION

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



В

С

D

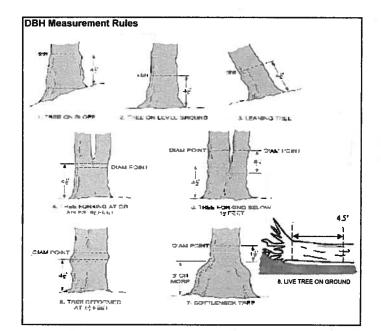
Е

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.

जो CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Standing Standing ROSA MULTIFICAGE Promus serotiand LINGUSTRAN VULGARE Standing head Explain subsample (additional room on back): ROSA MULTIFLIER LONICERA MARCHET LONICERA MAACKEI Fracing pensylvand Salix sp. Ales saghacinum Vins riparia Runus Serotina trees of woody shows (a) Project Label: PCAP voucher# browsed ₽1.4m or super sample % sub Project Name: 0 (BC 1324 (asped 2000 90 clumps shrub De la constant size class (cm) woody stems >1.4m <u>۹</u> 1-<2.5 0 00 0 2.5-<5 Plot No.: (324 5-<10 10 - <15 15 - < 20 20 - <25 Page: N . 30 - <35 으 Cleveland Metropaits 35 - <40 ö >40 (record each tree)



Woody Stem Deer Browse

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

Record using the tally system from 1 to

10













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В

C

D

E

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

Tier 1: Early detec	tion/ Rapid response		P	resen	co		Cac	
		N	E SE			M	GPS	
Microstegium vimineum	Japanese stiltgrass			- 57	' ''			Presence
Ranunculus ficaria	Lesser Celandine				_			X: yes
	ine) Black Swallow-wort		\neg	\dashv	+			
Butomus umbellatus (wetl	and) Flowering Rush	\neg	_	_				
Heracleum mantegazzianum	Giant Hogweed		\neg	\neg	+-	+		o
Tier 2: Asse	ess as Needed		# (of Plan	nte			
		N	-	THE OWNER WHEN	_		omments	
Acer platanoides	Norway Maple		100	341	144			# of Plant
Ailanthus altissima	Tree of Heaven				-			1: 1-10
	ne) Japanese Honeysuckle		- -	100000	+	,		2: 11-50.
Lythrum salicaria (wetla				700	- 1	310C IV	200	3: 51-100
Aegopodium podagraria (G-cov	ver) Bishop's Goutweed	_		+-	+-	OKA 11.	-27-13	4: 101-1,0
Celastrus orbiculatus (vii		$\neg \vdash$	_	+	2.00			5: >1,000
Torilis sp.	Hedgeparsley	_	+	+-	+-	+		\dashv
Conium maculatum	Poison Hemlock		_	- . -	+	+		_
Rhamnus cathartica	Common Buckthorn (shr	ub)	-	- '-	+	+		_
Berberis thunbergii	Japanese Barberry (shr		2	+	-	+		
Alnus glutinosa	European Alder	ונטנ	-['}	+-	-	 		
Dipsacus laciniatus	Cut-leaf Teasel							
Elaeagnus umbellata			-		+	'-		
onicera maackii	30 A 10 A		+.	+-	4			
uonymus fortunei	Wintercreeper (shru	b) 4	4		2	SK6 14	2713	
Tier 3: Presence			-					
TICL 3. FIESERIC	e is of interest			f Plant			mments	
Convallaria majalis (G-cove	on the state will	NE	SE	SW	NW		Lincoln III	# of Plants
	er) Lily of the Valley			4_	4_			1: 1-10
leutherococcus pentaphyllus				2				2: 11-50.
V000	Five-leaf Aralia (shru	b)						3: 51-100
achysandra terminalis (G-cove	7.00.00	-			\perp			4: 101-1,00
the same of the sa	Mock Orange (shru	b)						5: >1,000
ubus phoenicolasius	r) Lungwort							
	Wineberry							7
rnithogalum umbellatum	d) Yellow Flag Iris							7
iburnum opulus var. opulus	Star of Bethlehem				L^{-}			
iburnum plicatum	European Cranberry (shrub	_						7
	Doublefile Viburnum (shrub)						
Tier 4: Widespread	d and abundant		Pre	sence		con	nments	
liprin motiotat		NE	SE	SW	NW			# of Plants
liaria petiolata	Garlic Mustard	4	9					1: 1-10
gustrum vulgare	Common Privet (shrub	14	1	1	2			2: 11-50.
morrowii, L. tatarica	Bush Honeysuckles (shrub)]]	1	1	3			3: 51-100
nalaris arundinacea	Reed Canarygrass							
ragmites australis (wetland)	Phragmites							4: 101-1,000
lygonum cuspidatum	Japanese Knotweed							5: >1,000
angula alnus	Glossy Buckthorn (shrub)							-
sa multiflora	Multiflora Rose (shrub)		1		2			-
pha angustifolia, T. x.glauca	Cattails (wetland)	+			- 60			4
sium arvense	Canada thistle	1		41	Ω			4
A A A A A A A A A A A A A A A A A A A		1	+ '	-54	16	3 71		1
osacus fullonum speris matronalis	Common Teasel	1 /	1 1	1 1	1	SRT II-	77	1

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

STANDING BIOMASS (required for emergent wellands) collected	for emergent we	clands)	collected	
in 0.1m clip plots (32x32 cm) from corners 1 and 3 in each intensive	corners 1 and 3 in	check w	hen	_
collected				CLASSIFICATION
	3	Comer	omer.	Q'II = excellent, g Fit and Confidence
Module #		_		Hydrogeomorphic class (WETLANDS ONLY):
				D DEPRESSION
				n IMPOUNDMENT o Beaver o Human
				□ RIVERINE □ Headwater □ Mainstem □ Channel
				OSLOPE (ground water hydrology or on a physical slop)
				FRINGING D Reservoir D Natural Lake

			į
CLASSIFICATION			
OTI - excellent, g Fit and Confidence			
Hydrogeomorphic class (WETLANDS ONLY):			
DEPRESSION	Co.	Conf	
a IMPOUNDMENT a Beaver a Human	FILE	Conf-	
□ RIVERINE □ Headwater □ Mainstein □ Channel	FILE	Conf	
□ SLOPE (ground water hydrology or on a physical slop)	F	Conf=	
o FRINGING o Reservoir o Natural Lake	1	Conf	
п COASTAL (specify subclass)	1	Conf	
BOG (strongly, moderately, weekly ombrotrophic)	Fite	Conf=	
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	Ë		
n FOREST is swamp forest in bog forest in forest seep	1	Conf	
□ EMERGENT □ marsh □ wet meadow: □ open bo#	-	Cont	
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	F	Conf≃	

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Blope 1 = slight elevational grade across module (NII) tanks 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 (1-3) to begin + any features present Stope 2 = falls on stope ~20° Slope 3 = maximum steepness that can be safely sampled ~45°

- feature is absent or functionally absent from the wettand
- 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

T						9	8	U	, 2	ر	#bom						_	
											corner		45					
	_	-			t)	0	(7	O	(count)		lxlm	depth 3		tussocks	no. of	
						0	0	C	>	0	(count)		3.16x3 16m	depth 2	uplands (Tip-Ups)	hummocks	no of	
					(_ C	2	0	ادر	0	(count)		10x10m	depth 1		depressions	no. macro	
						0	1	2	F	v	Townson,	(count)	10x10m	depth 1		(2-12 cm)	c.w.d	c.w.d coun
				+		0	0	3	Ø	C	7	(count)	10x10m	depth 1		(12-40cm)	cw d	t for pieces with r
			2 日本の			C)(0	C	3	(count)	10x10m	depm		S40 cm	c,W 0	c.w.d count for pieces with minimum 1m length
						C)		2	-	_	(rank)	10x10m			1	mieroper	\neg
						-	-		2	,	7	(rank)	thorixal		SLOPE			microhah

		ä		McNAB INDICES (degrees) + for up - for down	legrees) + 1	or up - for	down
				[FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]	S PROGRAM:	DO NOT FIL	L OUT IN FI
						LFI*	TSI**
SONLY				At aspect	z		LFI 15
	100	Cont		+45 degrees	XI .		
8	1	1	_				
2		Carl	_	+90 degrees	е		
m 🗆 Channel	7	1					
		Confi		+135 degrees	SE		
physical slope	1	· ·		+1XII deorees	·^		
Lake		[80]	_				
	T!	Conf	_	+225 degrees	SW		
	1	} !		+270 degrees	¥		
ombrotrophici	1	0111	1				
Tass (WETLANDS ONLY):	Ë			+315 degrees	Z		
SALES AND PROPERTY OF SALES							

Landform Index (position within landscape)

eye of person standing ~10 m

4E.ME

angles formed by local slopes. For TSI measure angle from

LFI is angle of plot to the honzon TSI is

Terrain Shape Index (site microtopographic shape)

76	70	00	ىع مە	00
0	75	3)	9	3
1	S)	60	5	2
8	·	s	2	Module

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

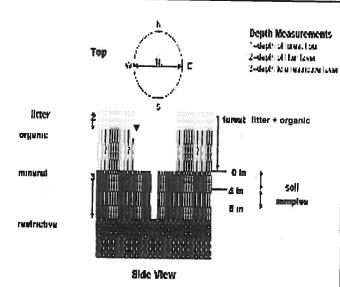
COI	/CD	STR	ATA

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.



OWER PENNSYLVANIAN Pottsville Group* Vinton Sandstone Member Logan Formation Allensville Conglomerate Member Byer Sandstone Member* Berno Conglomerate Member Cuyahoga Formation* numerous named members; MISSISSIPPIAN Black Hand Sandstone Member is one of the more persistent units Sunbury Shale* Berez Sandstono* Bedford Shale* Cleveland Member JPPER DEVONIAN Chagrin Member* Huron Member*

FIGURE 3-20.—Generalized section of Upper Devoman, Misissippian, and Lower Pennsylvanian formations in northeastern Ohio Asteriaks indicate units that are feasiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to each, but the thicknesses indicated are proportional. The term "Waverty is used in the cider literature to refer to Mississippian rocks in Ohio. Some geologists use the European term "Carboniferous," which encompasses the Missisppian 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 (1953), Hoover (1980), and Colins 19.9) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: 01501324 Plot No.: ىع

Convenient Metroparks

Page: 1 of 1

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

Soil pit module #

(one per entire plot)

20 cm 5 cm matrix color hydro. cond.*** matrix color 2, 5 7 3/2 %mottle oxid roots hydr. cond.*** oxid roots edox features** exture* edox features** mottle none ottle color None onle color NONO JONE I S M D s 🗚 D Ž 2 2 伨

** e.g. hydrogen sulfide odor, gleying, etc * refer to texture classes on reverse side

COVER BY STRATA

%

estimate using midpoints of 5,ex:3, 8, 13

l-indundated S=saturated M=moist D=dry Notes: include evidence of earthworms (worms

worms found

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

Well drained	Well		□ Exces	DRAINAGE*	Parent N	Depth to	Landform type:	Soil Seri	Soil Seri	Web Soi	2,3,8,9 c	Soil Col
L Somewhat poorty of	had morelly	rained	□ Excessively dr.	CE*	laterial:	rest. Layer:		es Source: (es/Type:	Web Soil Survey Inform	2,3,8,9 composited	ection Mod
		□ Modera	□ Somewh		Parent Material: A NUNIVIN	Depth to rest. Layer: Mare than 80 Inches	Flood Plains	Soil Series Source: Ohio Soil Survey	Soil Series Type: Tg Tipga loam	formation:		Soil Collection Moduld Horizon (A. B. C)
a very poorry ar.	a manufic de	□ Moderately well dr.	□ Somewhat excessively		3	than 8	lains	rvey	ga.I			(A, B, C)
			ίy		- 1	2	JOJ CW		3		L	
_						To	S					

EARTH SURFACE & GROUND COVER	CE & GROUI	ND COVER	
Underlying Earth Surface	h Surface*	Ground Cover	
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	0%	Coarse Woody Debris***	3%
Mineral Soil	100%	Fine Woody Debris****	<u>බ</u>
Gravel-Cobble*	0%	Litter	19
Boulder**	<i>M</i> %	Duff (Ferm.+ Humus)	0%
Bedrock	<i>Ο</i> ′′),	Bryophyte Lichen	2%
* Gravel-Cobble = 1/16-10*	= 1/16 - 10"	Water	39
**Boulder => 10 in	II)	Bare Soil	02
*** >5 cm in diameter	neter	Road/Trail	02.
**** <5 cm in diameter		Other	_ ک

Туре

%Cover

All Purpose

TRAIL INFORMATION:

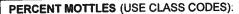
scord type and cover for each None

SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.	rooted and floating or slightly emersed	0.0 0.0 0.0 730 (Aquatic)* -	2.5 2.5 0.0 730 (Floating)*	organic depth 2 litter water depth depth sat	1 litter+ Shrub 2 - S 8	record as >30 Tree \$. 13	SOIL DEPTH MEASUREMENT: Measure to the nearest O.1 cm in center of intensive modules. If >30.5 cm, Strate Height Range (m) Total C
v surface L"STRATA RY BY COVE	ed			93	8	13	Total Cover (%)

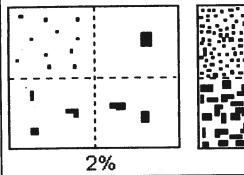
1-3 x plot size 3-10 x plot size

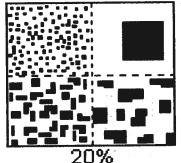
< plot size

Hiking sanctioned Bootleg unsanctioned Gravel Gravel Deer STAND SIZE > 100 x plot size > 100 x plot size



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





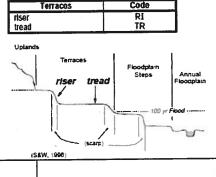
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but 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.

1		PDP	NASI5	1 1	۰
	interfluve head slope	IF HS	IF HS		
	nose slope	NS	NS		
	side slope base slope	SS	SS BS		
	Day's stope	·		' _	
	/	Head slope	* /		
			Barre San		
				/zhL	
	* Store !	Nose slope	1		
	Aavo			//	
	/ 68	***********	. 91		



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

	1 COMON	0.000	
	summit shoulder backslope	SU SH BS	,
	footslope toeslope	FS TS	
-	Su Sh Bs	Fs Ts OF Ts	Sh Su Bs J
I _	IPJO, 1915; acapted from Ruhe,	1976)	

HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)

UPLAND: Not a wetland. Very rarely flooded.

higher order streem

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.

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					C	- O			Buffer							heent: No tree	e canony	7			
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Urban/Mu	-			0	ō	0		Wall/Ripra	ар			Ō	Ō	0		Orchard		0	0	0	
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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	
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		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	
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Buffer Sample Points - Targeted Alien Species

05/27/2011

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Locatio	on:			Total				53/20/10					UP3246			d not be	sampi	ea a	na na	ıg —		į	
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iil in bubbie trata Sectio	s for all th on: Fill In a	at app	oly: Car riate c	nopy T over cl	ype: D ass bu	= De	ciduous; for each	; E = Evergre strata type fo							eaf. Ab 2=Mod	sent: No tre erate(10-40	- 5						5%)
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nall Trees (<	:0.3m DBH)	0	0		0	\odot	9	Small Trees (0	0	0	_	-		Small Trees	ubs, Sapling	+=	0	<u>-</u> +		<u> </u>	\dashv
loody Shrubs	s, Saplings -5m HIGH)	0	0	0	0	0	4		1-5m HIGH)	0	0	0	<u> </u>		_	(0.	5m-5m HIGI		0			乳_	
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	orbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0	0	0	<u> </u>	2		Herbs	s, Forbs ar Grasse		10	-	= +-	<u></u>	
Bare	ground	0	9	0	0	0		Bar	e ground	0	0	0) (C	<u> </u>		Ва	re groun	<u>ا</u> ا		-	<u> </u>	<u> </u>	
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	identia								Hydrolo								Agricu	Itura	1 & Ru	rai Si	ress	ors	
100				Τ.	2	3	Flag	Fill bubb				1	2	3	Fiag	FIII bubb	le if pres	sent -	Plot	1	2	3	Flag
Fiii bubbi	North St.	ent -	Piot	1			riag	Ditches,				0	0	0		Pasture/H	-lay	•		0	0	0	
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Golf Cou		-		0	6	0	_	Freshly D	Deposited	Sedi	ment	0	0	0		Nursery			11.00	0	0	0	
Lawn/Pa Suburba		ntial	_	10	0	0	-	Soil Loss	Root Ex	posur	e	0	0	0		Dairy				0	0	0	
Urban/M		_	_	10	10	0	_	Wall/Rip	rap			0	o	0		Orchard		A Just		0	0	0	
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	ustrial	Dov	along		_	_					-		labit	at/V	egeta	tion Stre	ssors						
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Gas We				C	_	0	1		elective C	ut		0	0	0		Mowing/	Shrub Cu	itting		0	0	0	
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		nd)	_	-				Tree Car	opy Herb	ivory		0	0	0			npaction OR HUMAN)			0	0	0	
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Other:		71.		9	-	-	1	OVERALL	<3° HIGH) Burned F			6	0	0		OR OVER			-	0	0	0	
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Other:				C	0	0		(BLACKEN	ED)			0	0	10	lance	-	id crew						
						Ex	(plain a	Suspect me	easuremer mment se	ction	on the	back of	this fo	om om	- Augn	Dy Jacin ne			24	2816	830	4	
	Buffer !	Samp	le Plo	ts (05/27	/201	1		11.0			11000						7.1	200				

Site ID:					ER SAMPLE PLOTS -	DAT			1.	Reviewed to	y (initia	al):		
	- 1			215	<u> </u>	DAI)./	' _	0812013			941	47
● Confirm	a fili	ed da	ita bi	ıbble li	ndicates presence and an unf	illed	bubb	ie Ind	dicates	absence by filling in this bub	ble		n hi	in the
Fili 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	Fla
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	
		1 -1								Other:	0	0	0	
	ri.				PLOT COORD	INA	TES					9	9	
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Fill in bubbles for all that Strata Section: Fill in app	app propi	ly: Ca riate c	nopy over o	Type: class b	D = D oubble	eciduou for eaci	s; E = Evergre	en. Leaf T	ype: B	= Br	adlea	; N = N	Veedle	Leaf. A	bsent: No tree derate(10-40	e canopy. %); 3 = Heavy (4	10-75%)		ery He	ea∨y (>75%)
Buffer Canopy 7 Plot 1 Leaf T		-) (·	\leftarrow	sen	t: O	Buffer Plot 2	Canop	y Typ f Typ	_		-	sent	: O	Buffer Plot 3	Canopy Ty	$\stackrel{\sim}{ imes}$	0	Ab	sent	: O
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Small Trees (<0.3m DBH)	<u>5</u>	Ö	0	0	$\overline{\circ}$		Small Trees ($\overline{}$	\odot	0		ŏ		Small Trees	(<0.3m DBH)	o o	<u></u>	ŏ	ŏ	
Woody Shrubs, Saplings	5		0	0	ŏ		Woody Shrub	s, Saplings	0		0	<u></u>	ŏ		Woody Shru	ubs, Saplings		0	ŏ	ŏ	
Woody Shrubs, Saplings	5	0		<u>)</u>	ŏ		Woody Shrub		0	9	0	ŏ	$\frac{\circ}{\circ}$		Woody Shru	bs, Saplings		0	0	ŏ	- Ser
Herbs, Forbs and	ے ا	0	0		0			5.5m HIGH) Forbs and	0	0	0		$\frac{\circ}{\circ}$			Forbs and	+ = +	0	0	$\frac{3}{0}$	
Olassos -	_	<u> </u>		0	0		Dave	Grasses	<u> </u>	-			_		Par	0183363 -	+=	-	-	-	
	<u> </u>		0		0			ground	0	0			9			re ground	+ =	<u> </u>	9	9	
	٤	0	\odot	-	\vdash		L.I	tter, duff	0	$\frac{1}{C}$	0		Θ		L	itter, duff	1	9	<u> </u>	0	
-	<u>ق</u>	<u> </u>	0	<u></u>	0			Rock	0	\odot	9	9	<u>O</u>			Rock 0	+ =	<u> </u>	의	0	
		<u>0</u>	0	\odot	0			Water	0	0	0	0	<u> </u>			Water ©		0	9	9	
Submerged Vegetation		\odot	0	0	\odot			ubmerged egetation	0	\odot	0	<u> </u>	\odot			Vegetation C		0	0	0	
Stressor Prese	nce	/Ab	send	e - (Confi	rm that	a filled data	bubble i	ndica	tes p	resen	e and	d an	unfilled	bubble indi	cates absence	by filli	ng thi	s bub	ble.	•
Residential a	nd	Urba	an Si	tress	sors		Ball	Hydrolo	gy S	tres	sors					Agricultura	& Ru	rai S	tres	sors	
Fill bubble if present	t - P	Piot	1	2	3	Flag	Fill bubble	e if prese	ent - I	Piot	1	2	3	Flag	Fili bubble	e If present -	Piot	1	2	3	Flag
Road - gravel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ау		0	0	0	
Road - two lane	1		0	0	0		Dike/Dam/		R Bed		0	0	0		Range			0	0	0	
Road - four lane			0	0	0		Water Lev	el Contro	l Stru	cture	0	0	0		Row Crops			0	0	0	
Parking Lot/Pavemen	nt		0	0	0		Excavation	ı, Dredgii	ng		0	0	0		Fallow Fiel ROW CROP FIEL	d (RECENT-RES .D)	TING	0	0	0	
Golf Course			0	0	0	,	Fill/Spoil B	anks			0	0	0		Fallow Fiel SHRUBS, TRE	d (OLD - GRASS, EES)		0	0	0	
Lawn/Park	7		0	0	0		Freshly De		Sedin	nent	0	0	0		Nursery		4471	0	0	0	
Suburban Residentia	al		0	0	0		Soil Loss/F	Root Exp	osure		0	0	0		Dairy			0	0	0	
Urban/Multifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard			0	0	0	
Landfill			0	0	0		Inlets, Out		11.00	711 10	0	0	0		Confined A	Inimal Feeding	g	0	0	0	
Dumping			0	(4)	0		Point Sour	OR STORM	VATER	()	0	0	0		Rural Resi	dential		0	0	0	
Trash	Н		0	•	0		Impervious (SHEETFLOV	surface	input		0	0	0		Gravel Pit	19	7	0	0	0	
Other:			0	0	0		Other:				0	0	0		Irrigation			<u></u>	<u></u>	0	
Other:			0	0	0		Other:				0	0	0		Other:			0	0	0	
Industrial Dev	velo	pm	ent S	Stres	sor	B					-	labit	at/V	egeta	tion Stress	sors					
Fill bubble if presen	t - F	Piot	1	2	3	Flag	Fili bubbie	If prese	nt - I	Plot	1	2	3	Flag	Fili bubb	ie if present	- Piot	,1	2	3	Flag
Oil Drilling			0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	lse		0	0	0	
Gas Wells			0	0	0		Forest Sele				0	0	0			rub Cutting		0	0	0	
Mine (surface)			0	0	o		Tree Planta				0	0	0		Trails			ō	0	0	
Mine (underground)			0	0	0		Tree Canop		ory		0	0	0		Soil Compa			ŏ	0	0	
							(INSECT) Shrub Laye	r Browse	d				0		(ANIMAL OR H					0	
Military			0	0	0		(WILD OR DOI Highly Graz		ses		0	0				nicie damage n (FROM WIND, V	VATER,	0	0		
Other:	-		0	0	0		(OVERALL <3°	HIGH)		-	0	0	0		OR OVERUSE)		0	0	0	
Other:			0	0	0		Canopy Recently Bu			nd	0	0	0			ever thee c	CD	•	0	0	
Other:			0	0	0		(BLACKENED)				0	0	0		Other:			0	0	0	
Flag codes: K Buffer Samp					Exp	e, U = S iain aii f	uspect meas lags in comm	urement., ent sectio	F1,F2 on on	2, etc. the ba	= mis	c. flag this fo	s assi rm	igned by	y each field c	rew.	242	3168	3304		

FO	RM	B-1	: E	BUFF	ER SAMPLE PLOTS -	TAR	GE	TEC	ALI	EN SPECIES (Back) Reviewed by	(initial):		
Site ID:	Pc	APT	30	1324	4	DAT	E: _(5.7	215	0812013	100			
(Confirm	a fille	ed da	ta bu	ıbbie ir	ndicates presence and an unf	ilied t	ubbi	e ind	licates	absence by filling in this bubl	ole			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Piot	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 Salvinla	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	
	JEW.	7.5			PLOT COORI	DINA	TES							4-13
O AA CENTER O N Latitude	3	o s	3	O E3	O W3 Nearest pra	Lor	ngitu	de V		g and comment below)	.3.		1	
Flag Comments														
1 hit proper	44	10	ne	34	pughty 10 m aut.	Gom	6	38	#2					
, ,	$\frac{\circ}{}$				<u> </u>									
					=			·						
To keep market										79	6662	2354	8	

05/27/2011

Buffer Sample Points - Targeted Alien Species

				2																		
0		0 - 0	05				FOI	RM B-1:	BUFF	ER	SAR	NPL	E PI						by (initia		_	•
Site I	-	1CP	tk k	le !	320	}					2.0	2.4		- 44	DAIL	07	08	_/ _		<u> </u>	<u></u>	
Location						01	- 0		1						708	ıld not be	sample	ed and	d flag	→	1	
OAAC	enter		N	9	S	OI	Ē U	W	Buffer	Nati	-		Plot		-	Plot 3	-				Ŀ	
								s; E = Evergre	en. Leaf T	ype: B	3 = Bn	oadiea	f; N = 1	Needi	e Leaf. A	Absent: No tree oderate(10-409		vy (40-7	5%); 4 =	√ery H	eavy ((>75%)
Buffer	Canopy	у Тур	e: 🕒) () Ai	bsen	t: 🕜	Buffer	Canopy	у Тур	e: () () At	sent	i: ()	Buffer	Canopy	Type:	<u> </u>) At	sent	: O
Plot 1	Lea	f Typ	e: 🕒) (T	Flag	Plot 2	Lea	f Typ	e: () ()		Flag	Plot 3	Leaf	Type:	<u> </u>)		Flag
Big Trees (>	0.3m DBH)	9	0	0	0	0		Big Trees (>	*0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH)	0	D 0	0	0	
Small Trees (<		0	0	0	0	0		Small Trees (0	0	0	0	0		Small Trees		0		0	0	
	5m HIGH)		0	0	0	0			-5m HIGH)	0	0	0	0	0			m-5m HIGH)			0	0	
	.5m HIGH)		0	0	0	0).5m HIGH)	0	0	0	0	0			0.5m HIGH)	 		0	0	
	orbs and Grasses	0	0	0	0	0		Heros, i	Forbs and Grasses	0	0	0	<u> </u>	<u>O</u>		Herbs,	Forbs and Grasses			0	0	
	ground	0	0	0	0	0		Bare	ground	0	0	0	<u> </u>	<u>o</u>		Bar	e ground			0	0	
Liti	ter, duff		0	0	0	0		Lit	tter, duff	0	0	0	<u> </u>	<u>O</u>		L	itter, duff		<u> </u>	0	0	
	Rock	0	0		0	0			Rock	0	0	0	<u> </u>	<u>O</u>			Rock	+ = + `	00	0	0	
	Water	0	0	0		0			Water	0	0	0	0	<u>0</u>			Water		<u> </u>	0	0	
	bmerged egetation		0	0	0	0			ubmerged /egetation	0	0	0	<u> </u>	<u>O</u>			Submerged Vegetation	0	<u> </u>	0	0	
Stress	or Pres	sence	e/Ab	send	:e - (Confi	rm that	a filled data	bubble in	ndicat	tes pr	esen	e and	d an	unfilled	bubble indic	ates abse	ence by	filling th	is but	ble.	•
Resi	dential	and	Urba	an S	tress	ors		100	Hydrolo	gy S	tres	sors					Agricult	ural &	Rural S	itres	sors	
Fill bubble	If prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fili bubble	if preser	nt - Pio	1	2	3	Flag
Road - gra				0	0	0		Ditches, C				0	0	0		Pasture/Ha	y	019	0	0	0	
Road - two		1		0	0	0		(IMPEDE FLO	W)			0	0	0		Range	X TOLKS		0	0	0	
Road - fou	-	t		0	0	0		Water Lev			cture	10	0	0		Row Crops Fallow Field		RESTING	0	9	0	
Parking Lo		1ent		0	0	00		Excavation Fill/Spoil B		ıg	7/ 1	0	00	00		Fallow Field	d (OLD - GR		0	0	0	
Lawn/Park		115	NIT.	0	0	0		Freshly De	posited S	Sedin	nent	0	0	0		SHRUBS, TRE Nursery	ES)		0	0	0	
Suburban		itial		6	0	0		Soil Loss/F		osure		0	0	0		Dairy			10	ō	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	p			0	O	0		Orchard			10	ō	ŏ	
Landfill	100			0	0	0	-	Inlets, Out				o	Ö	O		Confined A	nimal Fee	eding	0	0	0	
Dumping				•	0	0	2	Point Sour	OR STORMY	VATER	(3	0	0	Ō		Rural Resid	dential		0	0	0	
Trash			W = 518	0	0	0		Impervious (SHEETFLOW	surface	input		0	0	0		Gravel Pit	U ale		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation	Harris		0	0	0	Sky .
Other:				0	0	0		Other:				0	0	0		Other:			0	0	0	
Indus	strial De	evei	opm	ent S	itres	SOF	S		o crank			1	labit	at/V	egeta	tion Stress	ors					
Fiii bubbie	If prese	ent - f	Plot	1	2	3	Flag	Fill bubble	If preser	nt - F	Plot	1	2	3	Flag	FIII bubb	ie if pres	ent - Pi	ot 1	2	3	Fiag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se		0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	ub Cutting	9	0	0	0	
Mine (surfa	ace)			0	0	0		Tree Planta				0	0	0		Trails			0	0	0	
Mine (unde	erground	1)	- 50	0	0	0		Tree Canop (INSECT)	y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H			0	0	0	
Military			1 10	0	0	0		Shrub Layer (WILD OR DOM		d		0	0	0		Offroad veh		ge	0	0	0	
Other:				0	0	0		Highly Graz	ed Grass	es		0	0	0		Soil erosion		ID, WATE	R O	0	0	
Other:				0	0	0		Recently Bu Canopy	rned For	est		0	0	0		Other:	100		_ 0	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)		ısslar	nd	0	0	0		Other:			0	0	0	
Fia	ag codes:	: K = 1	do me		_	made	e, U = S	uspect measu	urement.,				c. flags	s assi	igned by	y each field cr	ew.	24	2816	9304		
Bu	uffer San	nnla I	Diete	OE.	/27/2			lags in comm	ent sectio	n on t	the ba	ick of t	his fo	m				-	2010	,,,,,		- 22

Δ

7110000000					ER SAMPLE PLOTS -					Reviewed by	(Initial):		•
Site ID:	YC.	AY	Be	132	4	DAT	E: _(0.7	7.19	12013		hai		
Confirm	a fiile	ed da	ta bu	ıbbie lı	ndicates presence and an unf	illed t	oubbi	e Ind	licates	absence by filling in this bubi	ole			
Fili bubble if present - Plot	1	2	3	Fiag	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 Salvinla	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	1	Leafy Spurge	0	0	0		Other:	0	0	0	
						1		14		Other:	0	0	0	
					PLOT COORI	DINA	TES							
O AA CENTER O N Latitude I	3	o s	3	O E3	O W3 Nearest pra	Lor	ngitu	de V		and comment below)		_[Fl	-9
Flag Comments				100										00=
		1 5	har	- o+	BP#1, encounter	6	nve			9				
2 outside of	E C	luse	ক	BP	41 Mindusial p	125%	t p	pe	dun	ped				
					lorge									
										796	662	354	8	

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

Site ID: PLAS	Re	12:	14		ORM B-1:	DOF		<i>-</i>		FL			10	Revie	ewed by	(initia	af):	_	- •
Location:	00	120	V V			Ten	l in he	hhla	1-1-1	£1	- M - N	ATE: 07	10	4	2	<u>0</u>	<u>. l</u>	<u>3</u>	
O AA Center O	N	Os		DE	o w	0	Plot 1		(S) P			ould not be	e samp	led a	and f	lag	→		1
	_				E	2	Made	-10		-									1
Fill in bubbles for all that appl Strata Section: Fill in appropri	: Can ate co	opy Ty ver cla	pe: D ss bu	= Decidu bble for e								af. Absent: No tre	e canopy.		0.750				
Buffer Canopy Type	•	0	Abs	ent: (Buffer		y Type:		<u>(1)</u>				T				<u> </u>	Heav	y (>7
Plot 1 Leaf Type	0	Ō		Flag			of Type:	-	$\frac{\Theta}{\Theta}$	Abs	ent: (Buffer Plot 3	Canop		$\underline{\hspace{1cm}}$			bse	
Big Trees (>0.3m DBH))[C	2) (C	<u>ا</u> ر	Big Trees (>0			<u>J</u>	<u> </u>	510	Fla	29		f Typ	ΤĂ	$\stackrel{\sim}{-}$			FI
Small Trees (<0.3m DBH)) C	510	0 2	Small Trees (<0		1 = 1	_			51-	Small Trees	(>0.3m DBH	1		$\frac{\odot}{\odot}$	0	10	_
Woody Shrubs, Saplings (0.5m-5m HIGH)	50	2010	5 0	5	Woody Shrubs,	Saplings	0			_			ubs, Saplings	\sim	0	0	0	O	-
Mandy Charles Co. II	5 0	0		5	Woody Shrubs,		00	- 1 -	-			(0.5	m-5m HIGH)		0	0	0	O	
Herbs Forbs and				51-	(<0.5 Herbs, Fo	m HIGH) rbs and		_	+ -		_	(•	<0.5m HIGH) Forbs and	10	0	0	0	0	_
	- IV	3 6		5		Grasses	00			-			Grasses		0	0	0	0	+
				4	 	round	000	_	-			Bar	e ground	0	0	0	0	0	_
Rock 🕥		-	_		Litte	r, duff	00		+=	_	_	L	itter, duff	0	0	0	0	0)
	-	-			 	Rock	\odot	_	+				Rock	0	0	0	0	0	
Submargad		+ -) (Water	\odot	<u>) [</u>	<u>) (</u>) (7		Water	0	0	0	0	0	
Vegetation Vegetation					Vec	nerged etation	\odot) [C)(0			Submerged Vegetation	0	0	0	0	0	
Stressor Presence/	bse	nce -	Cor	ofirm tha	at a filled data be	ubble in	dicates	prese	nce a	and a	n unfille	ed bubble indic	ates abse	nce b	y fillin	g thi	s but	ble	9
Residential and Ui	ban	Stres	sor	S			gy Stre						Agricultu					_	
ill bubble if present - Plo	1	1 2	3	Flag	Fill bubble it	prese	nt - Plot	1	1	2 :	Fla					1	2	3	Fla
Road - gravel	C	0			Ditches, Cha			T_{c}	0	0		Pasture/Har				0	0	0	<u> </u>
Road - two lane	C	0	C		Dike/Dam/Ro	ad/RR	Bed	1	\rightarrow	_	_	Range			_	öl	ö	0	\vdash
Road - four lane	C	0	0		Water Level	Control	Structur	e C	_	_		Row Crops				ă	0	0	-
Parking Lot/Pavement	C	0	C		Excavation, D	redgin	,	C	\rightarrow	_		Fallow Field	(RECENT-R	ESTIN	-	öl	9	5	-
Golf Course	C	0	0		Fill/Spoil Ban			C	C	\rightarrow	_	Fallow Field	(OLD - GRA	SS.	_	100	5	히	
awn/Park	C	0	0		Freshly Depo	sited S	ediment	C	C	_	_	Nursery	(S)	163		-	_	5	<u> </u>
Suburban Residential	O	0	0		Soil Loss/Roo		sure	C	1	-	_	Dairy		_	_	-	_	히	
Jrban/Multifamily	0	0	0		Wall/Riprap			C	_	10		Orchard		-	_	_		-	
andfill	0	0	0		Inlets, Outlets			10	_	0		Confined An	imal Feed	ina	_		_	이	
Dumping	0	0	0		Point Source/ (EFFLUENT OR S	TORMWA	TER)	0	0	_	_	Rural Reside			-	-		히	—
rash	0	0	0		(SHEETFLOW)	rface in	put	0	0	+		Gravel Pit			100		-	3	
Other:	0	0	0		Other:		- Describer	0	0	0	1	Irrigation	FT , 1	1010		-	_	허	
Other:	0	0	0		Other:		o (10) (0	0	0		Other:			_		_	öl	
Industrial Developm	ent	Stres	sor	S					Habi		/egeta	tion Stresso					$\overline{\mathcal{O}}$	$\overline{\Omega}$	
il bubble if present - Plot	1	2	3	Flag	Fili bubble if p	resent	- Pint	1	2	3	Flag								
il Drilling	0	0	0				1100			1	riag	Fill bubble	If presen	t - Pl					Flag
as Wells	0	0	0		Forest Clear Cu			0	0	0		Herbicide Use			10	1	0	익	
ine (surface)	0	0	1		Forest Selective	Cut		0	0	0		Mowing/Shrut	Cutting		C) (0		
ine (underground)	_		의		Tree Plantation Tree Canopy He	rhlyon		0	0	0		Trails		wd) (0	0	
	0	0	의		INSECT)			0	0	0		Soil Compacti (ANIMAL OR HUM	ON (AN)		C) (0	5	
ilitary	0	0	의		Shrub Layer Bro WILD OR DOMESTI	C)		0	0	0		Offroad vehicl			C			5	
her:	0	0	0	K	lighly Grazed G OVERALL <3" HIGH	1		0	0	0		Soil erosion (F	ROM WIND,	WATE	R. C	+		_	-
	0			T	Recently Burner	Fores						OU OAEKOZE)					-	-	
her:	0	0	0		Canopy Recently Burned		-	0	0	0	1	Other:				10	0	51	

Site ID:			Be		ER SAMPLE PLOTS -					Reviewed by	(enclai)			
							_				ole .			
	a fille		2.5							absence by filling in this bubb Fill bubble if present - Plot	1	2	3	Flag
Il bubble if present - Plot	1	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Fiag	1.1	0	0	0	- 1-
urasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Jonnson Grass	0	0	0	
later hyacinth	0	0	0		Knotweed	0	0	0			0	0	0	
ellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose Common Buckthorn	0	0	0	
lant Salvinia	0	0	0		Perennial Pepperweed	0	0	0	-		0	0	0	
arlic Mustard	0	0	0		Giant Reed	0	0	0	-	Himalayan Blackberry	-	0	0	_
oison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	-
lile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0	 	Other:	0	_	0	
irdsfoot Trefoil	0	0	0		Common Reed	0	0	0	-	Other:	0	0	-	
anada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	a code o
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