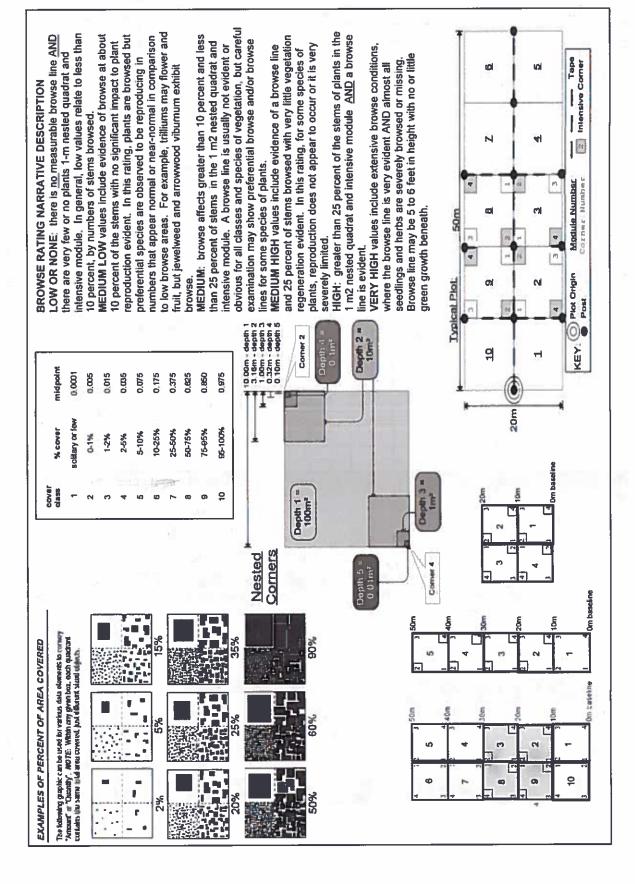
CLEVELAND MET	ROPARKS Plant Community Asses	sment Program:	Quality Control Form
Project Label:	PCAP	Plot No	Quality Control Form
-			Comment required if item answer is NO
Porking/Access outsi	le of Park Boundaries:	Y (N)	If yes, write details in Comments section below
Field journals comple		YN	it yes, write details in Comments section below
Site sketch made on 1		(PY) N	
Check cover page	X-axis Bearing of plot recorded	YN	
Check cover page	GPS coords. Recorded	Y) N	· · · · · · · · · · · · · · · · · · ·
	North direction recorded		2 12 27 22 22
	(C)		
	Photographs taken?		- 1-4 00 00 80 0 -420
Blackle Date	Relocated Pins Mapped	-	
Plot No., Date agreen		(Y) N	
Header data complete		(Y) N	
	d in all Intensive modules	 	
Browse Level By Spe		N K	
Woody stem quality o		(Y) N	Check every line and cross check with the Tree Cover Sheet
Invasive plant quality	control check	Y N	A /
Ash trees mapped	<u> </u>	Y N	None
	t/Pathogen Datasheet	N V	121 3 mm 22 8
Cover by Strata? (con		Y N	D. T. P.
Soil samples collected	with matching plot #.	N (V	
Cross check 2010 inf		(Y) N	Highlight any changes from 2010 information
Vouchers labeled on o	datasheet with initials and number	N Q	
Vouchers labeled on o	collection bag	N	
Pink flags removed		(Y) N	3900
Data sheet QA before	leaving site?	(Y) N	
Common equipment i	returned to tub.	Y N	
Data sheets scanned?			Enter date to left
Final data sheets scan	ned?		Enter date to left
Buffer Widths measu	red?	YN	
Web Soil Survey	r	Y N	
Voucher Location	Refrigerator	Y N	
# vouchers collected)	Press (#)		Enter number to left
00/1	Drier	Y N	
Ske	Identified	Y N	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
- 40	Mounted	Y N	
	Thrown away	Y N	
GRTS point verifica	tion: Is plot sampleable?		
Yes	Original GRTS point is sampleable		
□ No	Original GRTS point lands in a non-	sampleable area (f	ill in category below)
	☐ Point falls in a water (i.e. river, I		
	□ Managed mowed area (i.e. golf		ht-of-way)
	Paved area (i.e. parkinglot, road)		
	Unsafe to sample (i.e. steep slope)	· · · · · · · · · · · · · · · · · · ·
	Other		
Additional Commen	ts:		

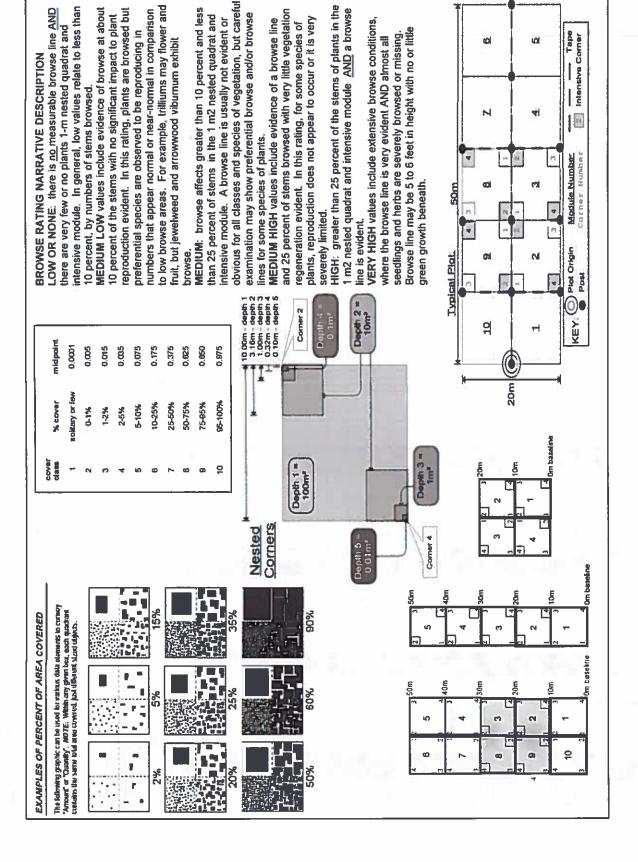
CVS Field Guide Lots of Sassafigss Seedlings and latan Smilax.	*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Lot S	Minimum required fields in Bold and Underlined
Meib: Very departurable.	Systematic (grid)	Authority: G&C Pub Date 1998
Shrib: Red maple & Sassafrass	Plot placement: LORTS Representative	TAXONOMIC STANDARD
Red Maple + Tolip	Camera No.: (2-460)	bryo n/a
	Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)	high; modera. low not smpl
Very Char.		TAXONOMIC ACCURACY
hardionale . GX 1/5 pt	Plot size for cover data: (),) (hectares) X-axis Bearing of plot: [17] 0	Accurate may still provide good Humied data
Oct 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GPS File Name: 1635A 3596A	Very thorough how much effort put into sampling. Hurried plots
of house our walk past to build		୍ରା _ାହ
COS WITH TOUR TO WHOME THAN	41.3	□ Perm. water □ Paved □ Slope □ Safety
Dross later County on the	x = 0 $y = 0$ (base of plot $x=0$, $y=0$)	PLOT NOT SAMPLED:
Location: Walk south of the long on Dor	tion in plot x=0 to 5, y	** Roles: Co-leader, Asst. Guide, Owner, Taxonomist, etc.
	Datum: ■ NAD83/WGS84 □ NAD27	
Layout: 2x5 Contarting 30, 40, 50 Not Fried	FM □ StatePlane ■ deg □ c	U. JMART MOOON
dominants, strata, BROWSE). Additional notes in space on back.	Coordinate system: Coord. Units	7
NOTES: Include Layout (any unusual shape details), Location (directions and landscape content), Rationale (why here), and Vee Characterization (description of community	Source of coordinates D MAP GPS	5. Fusunbach Plot leader
Key: O(0,0) point GPS location photo laden, location of with direction permanent posts	If data not public why?	Party Role**
3 4	- 1	
#1 2 2 3 #44	D Fuzz 100m D Fuzz 250m D Fuzz 500m	Date (mm/dd/yyyy): 8 / 13/ 20 [5
	dentiality:	Level 4 (no nested corners sampled)
PMot: #10 #9 #8 #7 #6		Plot No.: 3596
2.10 3 4 5 4	TV Towar Road	
	Quadrangle: Clay South J	Project Name: 02We2M5
	State: OH County: Cuya hay	Project Label: PCAP
	LOCATION	GENERAL INFORMATION
Data Sheet Page 1 of 2	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	CLEVELAND METROPARKS Plant Co

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	nmunity Assessment P	rogram - Backgrou	Ind Data S	theet				Clariford Mainparts
Project Label:	PCAP	Project Name: OLWC (0/5	ار الارات الارات	e IS		Plot No.:	Plot No.: 3376	Page 2 of 2
MODIFIED NATURESERVE CLASS*			DISTU	DISTURBANCES				
CODE (on separate form):	Fit= Conf=	,	type*	severity** yrs ago % of plot	yrs ago	% of plot	description	
L < D			Human					
701,			Natura					
COMMUNITY NAME:			Fire					
Dre-Messe Orle	7)0(Cut	11/1	(5		
) B			Other	t >		3	T OSCALINA	7/4/15
HOMOGENEITY			**L=low.	ML=med low	. M=med.	MI-Imed !	**L=low. ML=med low. M=med, MH=med high, H=high, VH=very high	y high
	Compositional trend across the plot		Current	Current Land Use: Park	ark			
□ Conspicuous inclusions □ Irregular/pattern mosaic	1 mosaic		Former Land Use:	and Use:				A.
	HYDROLOGIC REGIME*	SIME*						
	Vupland (seldom flooded)		☐ Intermittently flooded	oded				
SALINITY*	o Intermittently/seasonally saturated		□ Semipermanently flooded	, flooded				
- Saltwater	(seldom flooded)	o Pem	□ Permanently flooded	ded				
Drackish	□ Permanently/Semipermanent. saturated		Tidal/Seiche flooded daily	ded daily				
o Fresh	(dry <1/yr, seldom flooded)		U/Seiche floo	☐ Tidal/Seiche flooded monthly				
Chland (n/a)	□ Occasionally flooded (<1/yr)		J/Seiche floo	□ Tidal/Seiche flooded irregular				
	□ Temporarily flooded	(c.g	(e.g. wind, storms)	ns)				0
(by default unless plot is a wetland)		a Unknown	nown					
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	ess of plot to the stand, success	sional status, maturity, et	(c.)					
- Large oak fell around	around 30 n	30m marie in plat.	s ple	,				
- Chair matel fonce is	e is falling	falling apart.						
<	0	_						
- Browse was very heavy on smilax and any other woody plants trying to grow. Several deed trails non through the plot	in heavy on rail dear tra	Smilax ils run th	and o	of the	he's	wood Let	y plants	Brown .
- Red Maple will be poised to take over as these oaks ago out.	e poised to t	take over	as t	hese	oaks	Z	2 604	

CLEVELAND ME	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet	ent Program Species	S COVE	r Data	Shee								- 1		Pag	Page	잌	b	
Project Label:	PCAP	Project name: (02WC	2017	W		Plot no.: 351	į Š	22	6						1	,		
Total modules:	10	Intensive modules:	I	I Plo	Plot configuration:	gurat	9	2	LX5				Plot	Plot area (ha): D.	(ha	6	-	1	
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*	Br = Browse Level. Use cover classes to	_	depth cov	depth	_	- B	1.	de ga	8	- depth	ş	depth	8	1 8	1	depart	8	v depth	-1 5
Metroparks	describe amount of browse per species over enlire plot	%unvegetated open water	0		-		<u>-</u>			_	er				<u> </u>				
Strata - Cov enline plot		%unveg. ground (bare soil)	- -		*	4 -4	85			1-	61				00	f			4 100
S H (F)(A)Br	3r Species	$\overline{}$	depth cov	/ depth	COV	depth		depth	VQ.	depth	ğ	depth	VGD	depth	SQ V	depth	7007	depth	3
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Br - Browse Level, the cover classes to describe amount of throwse properties over sentence of the plant sente	Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet Project Label: PCAP Project name: クセルじしょう	ent Program Species Project name:	S Cover Data St	100	Plot no.: 3576		Page 2	
Br = Browse Level, the converciouses to describe amount of browse page species over fundament of the page page page page page page page pag	Total modules:	7.0	Intensive modules:	4 Plot	configuration	TXS	ŀ	Plot area (ha): O.	0.1
Br Browse Level. Use constructesses to Inflatible module:	>		ᆔ	mod comer mod o	시	771	comer mod	<u>§</u> 2	comer
describe amount of browne per species over The species of the species over the species ove	8	Br = Browse Level. Use cover classes to		g _y	G B B	depth cov	ğ	depth cay	ğ
Species c Voucher# dans on dan	Cleveland	describe amount of browse per species over entire plot	%open water %unvegetated open water						
Species c Voucher # deep and d			%unveg. ground (bare soil)				1		
Actisans triabilism so triabilism Connus Truit de Connus Truit de Deranium mecculatum Pennanthaz Sp. Rear seec harum Carus south. Carus south. Carus south. Carus south.	S H (F) (A) B	r Specie	Voucher#	cov depth	depth	depth oov	8	depth cov	VGD
And Carry Planch (Carry Planch (Carry Section 1) Remarks (Arry Outlet Carry (Arry Sunai) (Arry Sunai)		folygonatum							
1 Cornus Florida Description Mucculation Premarature Sp. Rase susception Romer ani angustid as ani angustid as ani		as triphyllum							2
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CLEVELAND METROPARKS Plant Community Assessment Program Tree Cover Data Sheet Strata - Cov. entire plot % COVER Project Label: 6 2 Sassafrass BURKANS FUBYE Bus r cus Vitis austavels Har amoras Querius voluntina Lividdendron tu Alar sancherom conditions s Species albidum lipitora Magnobic Prensence of tree mod species (X) Project name: 07WCZ015 Plot no.: 3596 al uninete Voucher# w mod mod mod Page ___ 2

Page of						200										
leet Plot no.:	œ C	×												!	!	
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ant Program Tree C Project name:	Prensence of tree mod	species (X)	Voucher #													
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CLEVELAND METROPARKS Plant Community Assessment Program Tree Cover Data Sheet Project Label: Project Label:			Species													
CLEVELAND METR Project Label:	VER	Strata - Cov. entire plot	72													
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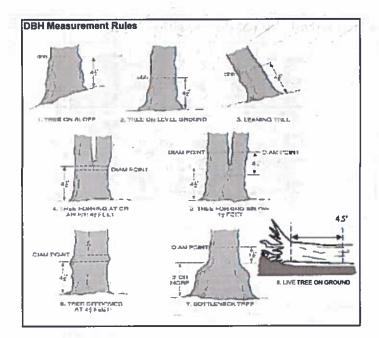
To browse る十分

> CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet たりしてつのて

2501

Scieveland Metroparks

	Project Label:	PCAP		Project Name: 62WCZ015	62WC	2012	Plot	Plot No .: 359C	5	Page:_	-	으. ·	w	
_	Explain subsample (additional room on back)	n back):												
			stems % 0-1.4m or	% sub #	size class (c	size class (cm) woody stems >1.4m	tems >1.4m	5	•	7	69	0	10	11
	3.1 %	c voucher#	Drowaed sa	sample clumps	2	7 2.5	1 3-410	10-515	0 15 - 620	575 - NZ	25 - <30	30 - <35 35	35 - <40	And (record sections)
<	I ther rubrum	-	-				ş	J.					4	4
1	1 Quercus subra												4	9.2F
*	Street Party	ड् र क्ष्यं हुड	h 8 %											
1	1 Smilax Potundialis	STORMAN	40		- Town 19							900 N=		
1	2. Acer pubrum					• :	::	* * *			Q.		,	
-	2 Sussafruss albidum	3	#						•					
	2/Magnolia ocuminato										•			
-	2 Standing dead						•							
-	2 SMilax Potradifolia		8 2					(POIN				.0.		
- 5	2 VIHS SO (Seedling)	44)	-											
	2 Linder benzoin									1			+	
7	8 Standing dead							•	•					
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	8 Millio Dreindendon Ablighter	Auligifica								•	•	×		
	44		4					•						
	3 linders benzota		1:5											
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26	A Sussificuss albidum		5				v	0.0		Ball loga				
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	8	5					,							
99	of Querry alba												X	70.5
1	A Acer rubrum	8.3						e.						
	X Quercus rubra			i de								6		
	4 Standing deal													



Woody Stem Deer Browse

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

Record using the tally system from 1 to













ASH CANOPY CONDITION

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



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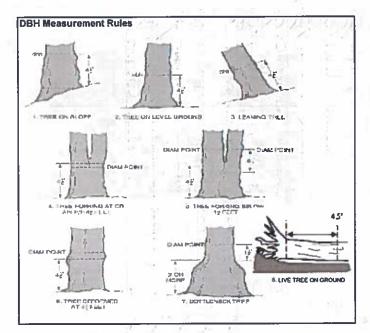
ASH CANOPY BREAKUP CONDITION (for dead trees):

(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.
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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 5 Sussatrass albidom (Santhar) Sassafress albidua Explain subsample (additional room on back): Prunus Sentina Dassastress albidon Sassafonss albidum Smilax potundifolin Standing Jean Sassafrassalbidum LINGELY BENEDIN Carya Cordishows クサン Standing Read Vitis austivalis Acar Sacharum acya lordiforms Jassafrass albidum laya ovata Liviodendron this fera runs SeroHa 11+3 a 08+1 vals a Safrass attibons (Kedding) assafrass albidum oravs florida Project Label: xeeding voucher# browsed # sterns 12 0-1.4m a O or super % sub Project Name: 024 C2015 size class (cm) woody stems >1.4m 2 1-<2.5 2.5.45 Plot No.:3596 5-10 Page: 2 잌 (Cleveland Metroparks 35 - <40 B1.0 >40 (record each tree)

acel rubrum



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

O -













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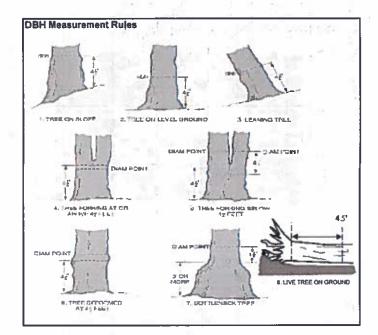
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	-	Project Label: PCAP Project Name: 02W C2DIS Plot No.:	PCAP	, 100	Project	Name:	02W	Project Name: 02W C2DIS		Plot No.:	Plot No.: 3596	0,	Page:	W	<u></u>	Ocerela 3	Gleveland Retroparks
		Explain subsample (additional room on back)	l pack):		8	*	pagh acia	size class (cm) woody stems > 1.4m	v stems >	48							
	Drod #	SOBOLES	vouchers	0-1.4m		g	<u>ያ</u> -	1-62.5	25.65	5	5 5 5	15 - <20	7 - <25	25- <30	30 - <35	10	11 >40 (record each tre
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7	8	Sassafrass albidum		0/													
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-	A	Quercus alba										4-3					76.8
,	7	Vita aestival:s		_													
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	19	Swilex notunitifolize		ι 2													
,	al	Acer rubrum				10.14					,						
1	\$	Myeros nora															So.)
	0	Standing dead										6					
	ē	Quercus velutina				à							,		ь		31.5
	10	Sassafrass albidum	(Seeflas)	:: <u>F</u>													
	3aCMP	3aCM PCAP Natural Woody Stem Data Sheet w	it ver 2.0.xls last revised 5/29/2012 jim	vised 5/29/	2012 jim							z	Natural Resources Management FORM NR/2010-03a	urces Man	gement F	ORM NR/	2010-03a
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Woody Stem Deer Browse

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Tier 1: Early detection	n/ Rapid response			Pre:	ence		GPS	
		-	NE	SE	SW	NW		Presence
Microstegium vimineum	Japanese stiltgrass			1			41.38771,081.696	X: yes
Ranunculus ficaria	Lesser Celandine							
Cynanchum Iouiseae (vin	e) Black Swallow-wort							
Butomus umbellatus (wetlar	d) Flowering Rush							
deracleum mantegazzianum	Giant Hogweed							
Tier 2: Assess	as Needed			# of	Plants		comments	
			NE	SE	SW	NW		# of Plant
Acer platanoides	Norway Maple							1: 1-10
Ailanthus altissima	Tree of Heaven							2: 11-50.
onicera japonica (vine) Japanese Honeysuckle							3: 51-100
ythrum salicaria (wetland) Purple Loosestrife				T			4: 101-1,0
Aegopodium podagraria (G-cove	r) Bishop's Goutweed							5: >1,00
Celastrus orbiculatus (vine			L					
Torilis sp.	Hedgeparsley							
Conium maculatum	Poison Hemlock							
Rhamnus cathartica	Common Buckthorn	(shrub)						1
Berberis thunbergii	Japanese Barberry	(shrub)		1				
Alnus glutinosa	European Alder	•		1				
Dipsacus laciniatus	Cut-leaf Teasel							
Elaeagnus umbellata	Autumn Olive	(shrub)						
Lonicera maackii	Amur Honeysuckle	(shrub)						
Euonymus fortunei	Wintercreeper	,						
Tier 3: Presence		- 1		# of	Plants		comments	
			NE	SE	SW	NW		# of Plant
Convallaria majalis (G-cove	r) Lily of the Valley							1: 1-10
	r) Crown Vetch							2: 11-50
Eleutherococcus pentaphyllus	Five-leaf Aralia	(shrub)					7.	3: 51-100
	r) Japanese Pachysandra				1			4: 101-1,0
Philadelphus coronarius	Mock Orange	(shrub)						5: >1,00
	r) Lungwort						·-	
Rubus phoenicolasius	Wineberry							
	d) Yellow Flag Iris				1			
Ornithogalum umbellatum	Star of Bethlehem	,						
Viburnum opulus var. opulus	European Cranberry	(shrub)			\top			
Viburnum plicatum	Doublefile Viburnum	(shrub)						
Tier 4: Widesprea				Pre	sence		comments	
			NE	SE	sw	NW		# of Plant
Alliaria petiolata	Garlic Mustard							1: 1-10
Ligustrum vulgare	Common Privet	(shrub)	1					2: 11-50.
L. morrowii, L. tatarica	Bush Honeysuckles	(shrub)						3: 51-10
Phalaris arundinacea	Reed Canarygrass							4: 101-1,0
Phragmites australis (wetland				T	1			5: >1,00
Polygonum cuspidatum	Japanese Knotweed							
Frangula alnus		(shrub)	1	1	1	T		1
Rosa multiflora	Multiflora Rose	(shrub)	 	1	1	1	···	
Typha angustifolia, T. x.glauca	Cattails (wetland)	,						1
Cirsium arvense	Canada thistle							
Dipsacus fullonum	Common Teasel					1		
Hesperis matronalis	Dame's Rocket			+	+			1
Vinca minor (G-cove					+			1
AUTO LUMOI (O-COAC	/ It clissifies		1					J ···

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

2														
			# shrub	size class (cm) woody stems >1m	cm) woody	stems >1r	•							11
	species	voucher#	clumps	Ž	1-<2.5	2.5~5 5	5×10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	>40 (record each tree)
2														
ω														
4														
Ch Ch														
G.														
7														
œ														
9	6799			i										
10											H			
:	IF EVIDENCE OF PEST OR PATHOGEN RECORD TOTAL SPECIES POPULATION IN THE PLOT EVE	ATHOGEN	RECORD TO	AL SPEC	IES POP	ULATIO	N T	E PLOT	EVEN	N THE NOT INFECTED	NFEC	TED		
0	Strata	# of stem infected	Severity (H,M, or L)		* Write None Present if no evidence:	None Pr	esent if	no evide	ince:				2	
ு ப	Tree (size class 3 or above)						Beech (Fungus)	Fungus)		No	<u>Z</u>	Asian Lo	nghome	Asian Longhomed Beetle
ଦଳଠା	Shrub (size class 2 or below including shrub clumps)						Hemlock (HWA)	(HWA)			5.8	Other Po	Other Pest or Pathogen	thogen
							Walnut (Thousand Canker)	Thousa	nd Cank	er)				
ഗ	Severity			94										
Ī	High = more than 50% of leaf/needle cover exhibiting symptoms	eedle cover	exhibiting sym	nptoms										
_														
2	Medium = Less than 50% of leaf/needle cover exhibiting symptoms	af/needle co	ver exhibiting :	symptoms										

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
Project Label: PCAP Project Name: 07 WC 2015

Plot No.: 3594

@ Glavetend Matragarts Page: 1 of 1

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

z

LFI is angle of plot to the horizon. TSI is angles formed by local stopes. For TSI measure

CLASSIPICATION		
(FIT = excellent, g Fit and Confidence		
Hydrogomerskic dass (WETLANDS ONLY):		
DEPRESSION	7	Conf-
n IMPOUNDMENT to Beaver to Human	Fila	Conf#
o RIVERINE o Headwater o Mainston o Charnel	File	Conf-
O SLOPE (ground water hydrology or on a physical slop)	7	Conf=
o FRINGING o Reservoir o Natural Lake	File	Conf=
a COASTAL (specify subclass)	# 	Conf=
n BOG (strongly, moderately, weekly ambrotrophic)	Fire	Confu
Obje EFA VIBI Flant Community Class (WETLANDS ONLY):	NI'S	
a FOREST a swamp forest a bog forest a forest seep	P	Conf
a EMERGENT a marsh a wet meadow a open bog	12 m	Conf
a SHRUB a shrub swamp a tall sh. bog a tall sh. for	Fit*	Conf=

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only white for microhabitat features. Selections or select two and everage the score. NOTE: If mod falls on a slope automatically gets ranked based on steepness (1-3) to begin + any features present Slope 3 = maximum steepness that can be safely sampled ~45°

Slope 2 = talls on slope -20°

feature is absent or functionally absent from the wedland

lope 1 = sight elevational grade across module (NII)

feature is present in the wedland 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

	P	00	w	2	modif	31	9 10			
		1			corner		100	×		
	0	0	O	0	(count)	lxlm	depth 3		tussocks	no. of
	0	0		O	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no, of
	¢	O	-	0	(count)	10x 10m	depth 1		depressions	no. macro.
	13	16	17	14	(nanco)	10x10m	depth I		(2-12 cm)	c.w.d
	2	-			(count)	10x10m	depth 1		(12-40cm)	cwd cwd cwd
	0	0	O	C	(ogunt)	10×10m	depth 1		>40 cm	cwd
	2	7	4	2	(rank)	10x10m	depih 1		interspers.	microhah.
	7	2	2	2	(rank)	102,102	SLOPE	140		microhab.

* Terrain Shape Index (site microtopographic shape) Landform Index (position within landscape) CROWN COVER (DENSIOMETER): Make 4 +315 degrees +270 degrees +225 degrees 45 degrees 80 degrees 35 degrees At aspect 90 degroes Z.K ŧ WS SH F

> eye of person standing ~10 m angle from recorders eye to

Meduke	z	s	E I
n-	~	-	G
u-	3	٦	2
#	Ø		12

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

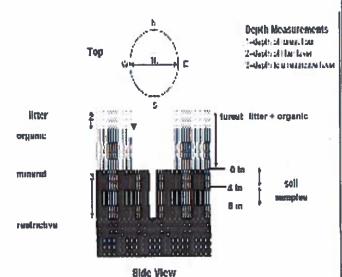
SoCM PCAP Plant Cover_Earth Surface Data sheet Page 1_ver 3.xis last revised 5/29/2012 ceh

COVER BY STRATA

STRATUM	GENERAL FORM
Tree (generally >5 m)	Tree (overstory), very tall shrubs*, liana, epiphyte)
Shrub (generally 0,5 to 5 m)	Tree (sapling), shrub, liana, epiphyte)
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Floating	Floating
Aquatic (submerged)	Submerged

"Very tall shrubs are sometimes included in the tree stratum
"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.



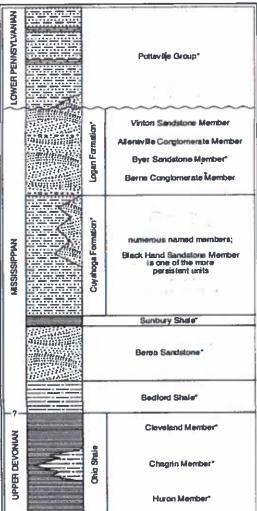


FIGURE 3-20.—Generalized section of Upper Devoman, Mississippian, and Lower Pennsylvanian formations in northeastern Ohio Asteriaks institute units that are feasiliferous. This composite section represents about 400 meters of rock exposed across the ares. The sections not to scale, but the thicknesses instituted any proportional. The term "Wavety" is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European nerm "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 furly widespread but discontinuous. See Hyde (1953). Hoover (1960), and Colina (1979) 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 Blomass Data Sheet 6a

Project label: PCAP Project Name: 0.2 WC 2015

Plot No.: 3.594

(Cacycland 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 25 25 26 matrix color matrix color lexture* oxid roots edox features** oxid roots ydr cond. nottle color dox features** ottle color S Z z

refer to texture classes on reverse side ydro. cond *** ະກ Z

U

** e.g. hydrogen sulfide odor, gleying, esc. *** Circle one:

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

Mod 2 - Costings present 2
Mod 3 - Costings present 8
Mod 8 - Costings present 8
Mod 9 - Costings present 9
Mod 9 - Costings present 9

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

Soil Collection Moduld Horizon (A. B. C) 2,3,8,9 composited	Jld Herizen (A. F	A 1,0
Web Sell Survey had	braudies:	
Soil Senes/Type:		
Soil Series Source: Ohio Soil Survey	hio Soil Survey	
Landform type:		
Depth to rest. Layer:		-
Parent Material:		
DRAINAGE*		
a Excessively dr.	D Somewhat excessively	cessively
n Well drained	 Moderately well dr. 	well dr.
Somewhat poorly dr	r. Uery poorly dr	oorly dr
o Impermeable surface	К	

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

_	-		-	
0	8	2	2	mode
7	3.7	3.2	3.8	1 litter+ organic depth (cm)
2 6	3.7	3.2	3.8	2 litter depth (cm)
		0	0	water depth (cm)
		0	0	depth sat

Underlying Earth Surface"	Surface*	Ground Cover
(Slave - 100%)	percent	(Each < 100%)
Histosol	0	Coarse Woody Debris***
Mineral Soil	98	Fine Woody Debris****
Gravel-Cobble*	2	Litter
Boulder**	0	Duff (Ferm.+ Humus)
Bedrock	0	Bryophyte- Lichen
Gravel-Cobble = 1/16-10	1/16-10"	Water
••Boulder => 10 in	5	Bare Soil
*** >5 cm m diameter	cter	Road/Trail
	ncter	3

estimate using midpol	estimate using midpoints of 5,ex:3, 8, 13	x:3, 8, 13
Strate	Height Range (m)	Total Cover (%)
Tree	75	St
Shrub	5 - 5	23
Herb	が	ω
(Floating)*		
(Aquatic)*		
rooted and fo	rooted and Soating or slightly emersed	đ
** submersed,	** submersed, most plant mass below surface	v surface
SEE BACK OF	SEE BACK OF PAGE FOR TYPICAL'STRATA DESCRIPTIONS, STRATA CAN VARY BY COVER TYPE,	RY BY COVER TYPE.

a 3-10 x plot size 10-100 x plot size

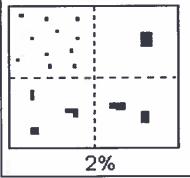
2 Gravel	Bootleg unsanctioned	□ Hiking sanctioned	o Bridle	a All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:
T					%Cover	reach	æ

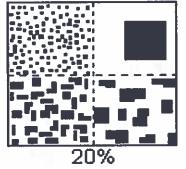
n > 100 x plot size STAND SIZE 3 >600 x plot size

o 1-3 x płot size < plot size



Class	C	ode	Criteria: % of
	Conv.	NASIS	Surface Area Covered
Few	i i	#	< 2
Соттоп	С	#	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

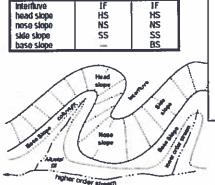
Position

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microleatures that are best applied to areas. Unique descriptors are available for Hills, Terraces. Mountains, and Fiat Plains.

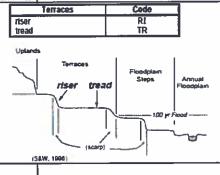
NASIS

PJS, 1990; adapted from Ruhe, 1975.

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



POP



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

Code

hackslope footslope toeslope	BS FS TS	
Su Sh Bo	Fs. Ts. / Ts.	Sh H H H

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

UPLAND: Not a wetland. Very rarely flooded.

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

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

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

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier.

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was developed for use in the arid West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's Intermittently Flooded modifier.

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

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

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

Site ID: 3596 DDUC Location: O AA Center O N O S D Strata Section: Fill in appropriate cover class bubble Buffer Plot 1 Blg Trees (>0.3m DBH) D O O O O O O O O O O O O O O O O O O				RM B-1:	BUFF	ER	SAI	MPL	E P	LO	TS (F	ront)		Revie	wed by	(initial	i):		•				
Site	ID: 🟒	359	96	B	21	10	2		1,14						DAT	E: 08	1 1 3	31	1	0	1	2	
Locati	on:		18				5-1		Fill	in b	ubb	le(s) if p	olot(s) co	uld not be	sampl	ed a	nd f	lag	\rightarrow	1	
OAA	Center	С	N	0	S	0	E C	W	OP	lot	1	0	Plot	2	0	Plot 3							
Flit in bubble Strata Section	es for all th on: Fill in a	nat app	ply Ca	nopy	Type class	bubbl	Deciduo: e for eac	ıs, E = Evergre	Buffer en. Leaf T or each plo	vpe: E	3 = Bn	oadlea	f: N =	Need	le Leaf	Absent: No trea	e canopy %); 3 = Hea	ivy (40)-75%;); 4 = \	/ery ⊦	leavy ((>75%)
Buffer	Canopy	у Тур	e: 👩) () A	bsen	t: O	Buffer	Canopy	v Tvp	e: 6) () A	bsen	ıt: O	Buffer	Сапору	/ Typ	e: 🕞	(F) AI	sent	. 0
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Blg Trees (>	0.3m DBH)	6	0	0	0	0		Big Trees (>	0.3m DBH)	0	(0	0	0		Big Trees	(>0.3m DBH)		ര്	$\overline{\odot}$	0	0	1109
Small Trees (<	:0.3m DBH)	0	0	0	0	O		Small Trees (<0.3m D8H)	0	Ō	0	0	0	\vdash	Small Trees	(<0.3m DBH)	0	Ō	Õ	Ō	Ō	
		0	0	0	0	0		Woody Shrubs	s, Saplings -Sm HIGH)	0	(3)	0	0	0			ibs, Saplings ന-5ന HIGH)		Ō	0	0	Ō	
Woody Shrubs	, Saplings	0	(6)	-	0	0		Woody Shrub		Ō	②	Ō	0	Ō		Woody Shru		5	0	0	Ō	Ŏ	
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Bare		0	0	0	0	0		Bare	ground	0	Ō	0	<u>@</u>	Ō		Bar	e ground	0	Ŏ	Ō	0	Õ	
Lit	ter, duff	0	0	0	0	0		Lit	ter, duff	Ō	<u></u>	Ō	Ö	ŏ		L	itter, duff	0	Ö	ŏ	0	ŏ	
,	Rock	(0	0	0	0			Rock	Ø	9	0	Ō	ō			Rock	0	Ō	ŏ	0	ŏ	
Bare ground Litter, duff Rock Water Submerged Vegetation Stressor Presence/Abs Residential and Urban Fill bubble if present - Plot Road - gravel		0	0	Ō		-	Water	<u> </u>	0	<u>0</u>	ŏ	0			Water	0	ŏ	ŏ	0	Ö			
Submerged Vegetation			=	0	ō			ibmerged	0	ŏ	0	ŏ	<u></u>			Submerged	ŏ	ŏ	0	$\overline{\odot}$	Ö		
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A 4224		0.00	COLUMN TO SERVICE	700					Hydrolo		POST			7	Contract of	1	Agricult	-			-13		
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	to the later of			-	0	0		Ditches, Ci	130721713	17.81		0	0	0	-	Pasture/Ha				0	0	0	111111111111111111111111111111111111111
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Road - fou	ır lane				0	0		Water Leve		Stru	cture	-	0	0		Row Crops		-		Ö	0	0	
Parking Lo	t/Pavem	ent		0	O	0		Excavation	, Dredgin	ıg		0	0	O	-51	Fallow Field	(RECENT-	RESTI	NG	0	0	0	
Golf Cours	Se	201-2		0	0	0		Fill/Spoil Ba	anks			0	0	0		Fallow Field	(OLD - GR	ASS,		Ō	0	0	
Lawn/Park				0	0	0		Freshly De		edim	ent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/R		sure		0	0	0		Dairy				0	0	0	
Urban/Mul	tifamily	1100		0	0	0		Wall/Ripra;)		I las	0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outl				0	0	0		Confined Animal Feeding				0	0	0	
Dumping				0	0	0		Point Source (EFFLUENT O	RSTORMA			0	0	0		Rural Resid	lential			0	0	0	
Trash		-		0	0	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit	- The Section			0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation				0	0	0	
Other:				0	0	0		Other:	1100000000		_	0	0	0		Other:				0	0	0	
Indus	trial D	evelo	pme	ent S	tres	SOL	3		21		2.0	ł	labit	tat/V	egeta	tion Stress	ors						
Fill bubbie	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if presen	ıt- P	lot	1	2	3	Flag	Fill bubbl	e if prese	ent - I	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear	Cut			0	0	0		Herbicide U	se			0	0	0	
Gas Wells				0	0	0		Forest Selec	tive Cut			0	0	0		Mowing/Shr	ub Cutting	,		0	0	0	
Mine (surfa	ace)		70.0	0	0	0		Tree Plantat	ion			0	0	0		Trails				0	0	0	2
Mine (unde	erground)		0	0	0		Tree Canopy	/ Herbivo	ry		0	0	0		Soil Compar (ANIMAL OR HI		No. of the		0		0	
Military				0	0	0		Shrub Layer				0	0	0		Offroad vehi	V-13	ge		0	0	0	
Other:	5 T T T T T T T T T T T T T T T T T T T			0	0	0		Highly Graze	ed Grass	es		0	0	0		Soil erosion OR OVERUSE)		D, WA	TER.	0	0	0	
Other:			T	0	0	0	10	Recently Bu Canopy		est		0	0	0		Other:				ō	0	0	
Other:			18	0	0	ō		Recently Bur	med Gra	sslan	d	0	0	0		Other:		-		0	0	0	
Fla	g codes:	K = N	o me	iate cover classical interpretation of the cover classical interpretation of cover classical interpretation of the cover classical interpretation		made	, U = S	uspect measu	rement, i	F1,F2	, etc.	= misc	. flac	225	igned b	y each field cn	ew.		2428	-			
Bu	iffer Sam	nple F	lots	05/	27/2	Expl 011	ain all fi	ags in comm	ent section	n on t	he ba	ck of t	nis fo	rm				1	20	700	J U4		4

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ler Il in be	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	1 O O O O O O O O O O O O O O O O O O O	Kudzu Multiflora Rose Common Buckthom Tamatayan Blackberry Other: Other TRANSECT. This is important if in the Buffer Plot at the AA CEN TRANSECT this is important if in the "nearest practicable local than th	Fise cool	3 Sufficients (1) (1) (2) (3) (4) (5) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	2 O O O O O O O O O O O I Dekl	t OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Fill bubble if present - Ptot Purple Loosestrife Japanese Knotweed Giant Reed Cheatgrass Common Reed Common Reed Leafy Spurge Plot (#3) at the tar end of each priate bubble. Plot (#3) at the cerest practicable providinates at the nearest practicable.	Flag e Buffer e Buffer e Buffer e Coord and the e coord e coord in	€ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 O O O O O O O O O O O O O O O O O O O	1 O O O O O O O O O O O O O O O O O O O	e if present - Plot acinth vinia vinia vinia self present - Plot vinia vinia self present stard condinates self fithe plot coordinate self as coordinates	Furasian Veltow Fl Siant Sal Siant Sal Solison H Mile-A-Mil Sirdsfoot Mile-A-Mil Sinds are Puffer F Posts are Mile-A-Mil Sinds are Mile-A-Mil Sinds are Mile-A-Mil Sinds are Mile-A-Mil Sinds are Mile-A-Mile Mile-A-Mile-A-Mil Mile-A-Mile-A-Mile-A-Mil Mile-A-Mile-A-Mil Mile-A-M

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Landfill			1111	0	0	0		Inlets, Outi	ets			0	0	0		Confined A	nimal Fee	ding		o	O	o	
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Other:				0	0	0		Other:				0	0	0		Irrigation		100		0	0	0	
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-ili bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if preser	ıt - F	lot	1	2	3	Flag	Fill bubbl	le if pres	ent - F	Plot	1	2	3	Flag
Oil Drilling		Ш		0	0	0		Forest Clear	Cut			0	0	0		Herbicide U	se			0	0	0	-
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Mine (unde		1)		0	0	0		Tree Canop	-	гу		0	0	0		Soil Compa				•	0	0	
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The second second	e a west turn	V=400		-		0		WILD OR DOM Highly Grazi		es		0	0	0		Offroad veh Soil erosion		-10				0	
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1 1000	g codes: ffer San		No.			Exp		ags in comm							igned by	each field cr	ew.	2	2428	168	304		

FO	RM	B-1	l: E	UFF	ER SAMPLE PLOTS -					Reviewed by	/ (initlal):		•
Site ID:	3	59	16	BP	WC	DAT	E:	75	ے اے	1312015			i	
(Confirm :	asian Watermilfoil O O Purple Loosestrife O O O Johnson Grass O O O Let rhyacinth O O O Knotweed O O O Kudzu O O O Multiflora Rose O O O O O O O O O O O O O O O O O O O													
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Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	1 2
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	1
Yellow Floating Heart	asian Watermilfoil O O O Purple Loosestrife O O O Johnson Grass O O O O er hyacinth O O O Knotweed O O O Kudzu O O O O O O O O O O O O O O O O O O O													
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Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	r hyacinth O O O Knotweed O O O Kudzu O O O Floating Heart O O O D Japanese Knotweed O O O Multiflora Rose O O O O Salvinia O O O Perennial Pepperweed O O O Common Buckthorn O O O O O O O O O O O O O O O O O O O		Canadam,											
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
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	a di	Tall I			PLOT COOR	DINA	TES							
flag box, and describe where either placed as close to the Location of coordinate AA CENTER O N	on Floating Heart O O O Japanese Knotweed O O O Multiflora Rose O O O O O O O O O O O O O O O O O O O		be											
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Buffer Sample P	oints	- Tar	rgete	d Alien	Species 05/27/2011					79	6662	354	8	•

	0.16						1	-								-				_	_	
							FO	RM B-1:	BUFF	ER	SAI	MPL	E P	LO	TS (F	ront)		Reviewed	by (Initia	at):	-	
Site	ID:	35	94	P	R	W	CW	<i>i</i>	111						DAT	E: 0.8.	1 /3	31.	70	1	5	
Locati			Fig.						Fill	in b	ubb	le(s) if p	olot(_	uld not be			flag	\rightarrow	T	
OAAC	Center	C	N	0	S	0	E Ø	w	OF	lot	1_	0	Plot	2	0	Plot 3						
Fill in hubble	e for all ti	nat an	nkr Ca	nony	Tunn	· D = I	Dociduo		Buffer							Absent: No tree						
Strata Section	on: Fill in a	abblot ar abl	priate (cover	class	bubbl	e for eac	h strata type fo	or each plo	ype: t t. 0 =	Abser	oadiea nt; 1 =	r; N = Spars	e(<10	116 Lear. 1%); 2=1	Absent: No tree Moderate(10-40	e canopy. %); 3 = Hea	ıvy (40-75	%); 4 =	Very I	łeavy i	(>75%
Buffer	Canop	у Тур	e: 🕝) () A	bser	it: O	Buffer	Canop	у Тур	e: Ø) () A	bser	it: C	Buffer	Canopy	Type:	a () A	bseni	: (
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mall Trees (<	:0.3m DBH)	0	0	(4)	0	0		Small Trees (<0.3m DBH)	0	0	6	0	0		Small Trees	(<0.3m DBH)			0	0	
Voody Shrubs (0.5m-	s, Saplings 5m HIGH)	0	(2	0	0		Woody Shrub (0.5m	s, Saplings +5m HIGH)	0	9	0	0	0			nbs, Saplings m-5m HIGH)			0	Ō	
Voody Shrubs (<0.	, Saplings 5m HIGH)	0	0	0	0	10	1	Woody Shrub		0	Ō	Ō	0	Ō	1	Woody Shru		0	+=	ठि	ō	
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Jrban/Mult				o	0	0		Wall/Riprar		18871		0	0	0		Orchard			0	0	0	
andfill	100			0	0	0		Inlets, Outl				0	0	0		Confined A	nimal Fee	dina	0	0	0	
Dumping				o	O	0		Point Source	e/Pipe			0	0	0		Rural Resid		amg	0	0	0	
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Aine (unde	ground			0	0	0		(INSECT) Shrub Layer	April 1997		-	0	0	0		(ANIMAL OR HE	MAN)		0	0	0	H-17
Allitary				0	0	0		WILD OR DOM	ESTIC)			P	0	0		Offroad vehi		_	0	0	0	
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FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): ___ 3596RP DATE: () 8113 Site ID: Location: Fill in bubble(s) if plot(s) could not be sampled and flag O AA Center ON S OE OW O Plot 2 O Plot 1 O Plot 3 **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%) Canopy Type: (2) Absent: Buffer Canopy Type: (4) Absent: Canopy Type: (11) \bigcirc Buffer Buffer Absent: Piot 1 Plot 2 Leaf Type: 📵 Plot 3 Leaf Type: 🙉 Flag Flag Leaf Type: (≈) Flag Big Trees (>0.3m DBH) **①** ➂ (2)0 Big Trees (>0.3m DBH) Big Trees (>0.3m DBH) \odot (\circ) \odot **(a)** \odot Small Trees (<0.3m DBH) Small Trees (<0.3m DBH) Small Trees (<0.3m DBH) \odot Woody Shrubs, Saplings (0.5m-5m HIGH) Woody Shrubs, Saplings (0.5m-5m HIGH) Woody Shrubs, Saplings \odot 0 **(2)** \bigcirc \odot \odot (0.5m-5m HIGH) Woody Shrubs, Saplings Woody Shrubs, Saplings (<0.5m HIGH) Woody Shrubs, Saplings (<0.5m HIGH) 0 ➂ Œ Œ **@** (<0.5m HIGH) Herbs, Forbs and Herbs, Forbs and Herbs, Forbs and 0 \odot **(** ① \odot ① ◐ Œ Grasses Grasses ⊚ \odot **(3)** \odot \odot Bare ground \odot ◑ \odot Bare ground Bare ground **(a)** <u>(1)</u> ◑ \odot Litter, duff Litter, duff (1) \odot Litter, duff \odot Rock Rock Rock **6** Water Water ඬ Water Submerged Submerged Submerged **6** \odot (i)Œ 0 (1) \odot Θ Vegetation Vegetation Vegetation 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 Fill bubble if present - Plot Fill bubble if present - Plot 2 3 Flag Fill bubble if present - Plot 2 3 3 Flag Road - gravel O O O 0 O 0 Ditches, Channelization O 0 0 Pasture/Hay Dike/Dam/Road/RR Bed Road - two lane O O 0 O O O Range O O 0 (IMPEDE FLOW) Road - four lane O Water Level Control Structure 0 O **Row Crops** 0 O 0 0 0 0 Fallow Field (RECENT-RESTING Parking Lot/Pavement O O Excavation, Dredging O C O 0 O O O Fallow Field (OLD - GRASS, O **Golf Course** O O Fill/Spoil Banks O O O O 0 O SHRUBS, TREES Freshly Deposited Sediment O O O O O Lawn/Park O O O Nursery O (UNVEGETATED) Suburban Residential Soil Loss/Root Exposure Dairy O O 0 0 ø O O O Urban/Multifamily O Wall/Riprap 0 O 0 O O Orchard O O O O Landfill O O Inlets, Outlets O O Confined Animal Feeding O O O Point Source/Pipe O O 0 O 0 0 Rural Residential Dumping O O O (EFFLUENT OR STORMWATER)
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Buffer Sample Plots

05/27/2011

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Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble		0	0	0	See S nosndot		0	0	0	Purple Loosestrife		0	0	0	liollimətsV	/ nsissiu
	Ы	3	z	L	Fill bubble if present - Plot	Piag	3	z	L	Fill bubble if present - Plot	Flag	3	Z	ı	if present - Plot	elddud II
Site 10: 3696199WC3 DATE: 081731 20131		LI SA		əlc	absence by filling in this bubb	sateoil	bni s	lddu	led b	Rin ns bns sonsems satsolb	ni əlddu	q eq	sb b	ellit e	milnoo Ø	
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