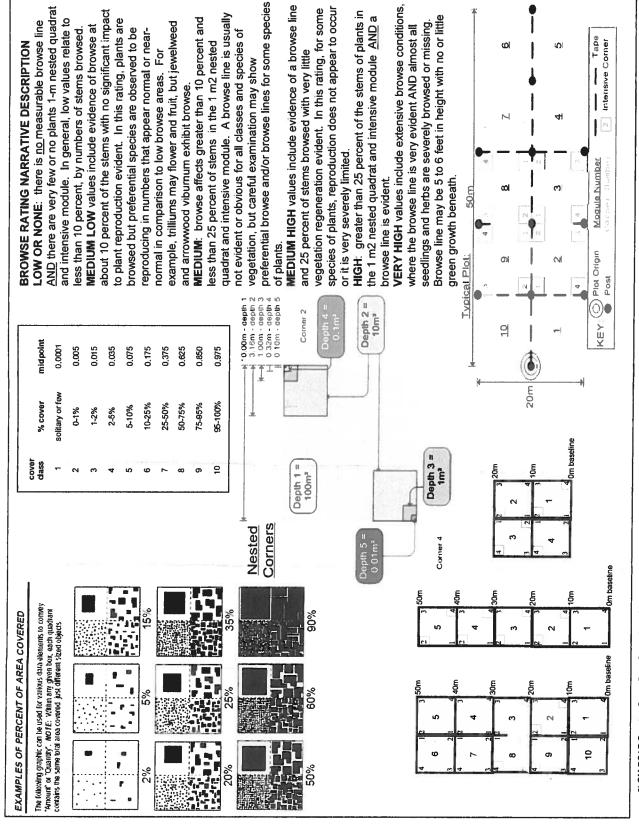
	PCAP PCAP	Plot No	: <u>5483</u> Date Sampled: <u>7/29, 7</u> /30 Lead: <u>), Mill</u>
			Comment required if item answer is NO
Parking/Access outs	side of Park Boundaries:	Y (N)	If yes, write details in Comments section below
Field journals comp	leted	(Y) N	
Site sketch made on	1:3000 map?	(Ŷ) N	
Check cover page	X-axis Bearing of plot recorded	(Y) N	
(12)	GPS coords. Recorded	V) N	
	North direction recorded	(Y) N	
	Photographs taken?	(P) N	
Plot No., Date agree	ment on all pages?	Y) N	
Header data comple		(Y) N	
	led in all Intensive modules	(V) N	
Browse Level By Sp		(Y) N	
Woody stem quality		(Y) N	
Invasive plant qualit		(Y) N	
Ash trees mapped		(Y) N	
Cover by Strata? (co	nfirm cover type)	(Y) N	
	ed with matching plot #.	Y) N	
_	datasheet with initials and number	YN	
Vouchers labeled on		Y (N)	N/A - none allected
Pink flags removed	Jenethan bag	(Y) N	
Data sheet QA before	e leaving site?	(y N	
Common equipment		(y) N	
Data sheets scanned?		812/13	Enter date to left BB
Final data sheets scar		010/15	
Buffer Widths measu		Ŷ N	Enter date to left
Web Soil Survey	ircu:	Y N	4/9 RC
Voucher Location	Refrigerator		NA none collected
# vouchers collected)	Press (#)	Y (N)	
" vouchers conected)	Drier	V N	Enter number to left
N/A	Identified	Y N	
10//4	Mounted	Y N	
		YN	
	Thrown away	<u> Y N</u>	
	tion: Is plot sampleable?		
v∕Yes	Original GRTS point is sampleable		
□ No	Original GRTS point lands in a non-sa		Il in category below)
	Point falls in a water (i e river la		
	Managed mowed area (i.e golf co Paved area (i.e parkinglot road)	ourse picnic area, righ	-of-way)
	Paved area (i e parkinglot road) Unsafe to sample (i e steep slope)		
	Other		
	ts:		



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Cleveland Metroparks 1 47 5 Total modules: Project Label: S H (F)(A)Br G, 77 2 S 4 دں 00 67 Wimus rubra 6 Carya **G** Parthenocissus quinquefolio Hinsa major Every mes forture Acer Villa + paris Ciraga joxico dendron Fraxinus MUZGENA WARTHAM Moss 500. でまる。 Alliaria UIMUS Oxalis styreta Rubis alleghaniensis Populus deltoldes Acur nighm ncer negundo describe amount of browse per species over Garrya Prunus serations LAB SANKAL duercus alba Br = Browse Level. Use cover classes to verous spp 0 dist-WMAN 200 Sps utetians Mayor cordiforming petiolata Species entire plot Rusa multiflore Sanialersp. Seed I Ma) Seedling (seedling) rach com ဂ Intensive modules: %unveg. ground (bare soil) intensive module: %unvegetated open water Estimate for each %unveg. litter (bare litter) Project name: 01 kR 2013 ί Voucher # %open water 1560 2 ع depth 2 7 3 2 N Ü 2 L 9 တ 0 comer, mod 2 r 9 cov | depth cov | depth 7 +7 J 9 2 4 Plot configuration: 13 C N T 3 N N 7 ğ è 7 depth mod N 1 Ľ 1 نی Ş H 000 œ Ô Plot no.: 34 83 Ċ depth depth mod By. С 7 ۲ 4 口 I. 7 2×5 COV 7 N ğ S depth mod t L 1 7 COV depth comer mod (A) 4 7 Ś H 4 0 ∞ cov | depth I. C 7 S _ 6 4 Ē. 13 T 3 3 ام N 7 دن Plot area (ha): 00 ğ ğ depth depth <u>a</u> c T E 2 N Page ___ 204 0 O, W ∞ 8 Q 6 V 0 ~ depth depth ó 三 Ľ و 700 3 2 5 V ~ S comer Q 6 ∞ 4 Š ş depth depth 10 3 Z) VOC COV æ

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

Natural Resource Management FORM NR/2010-02a

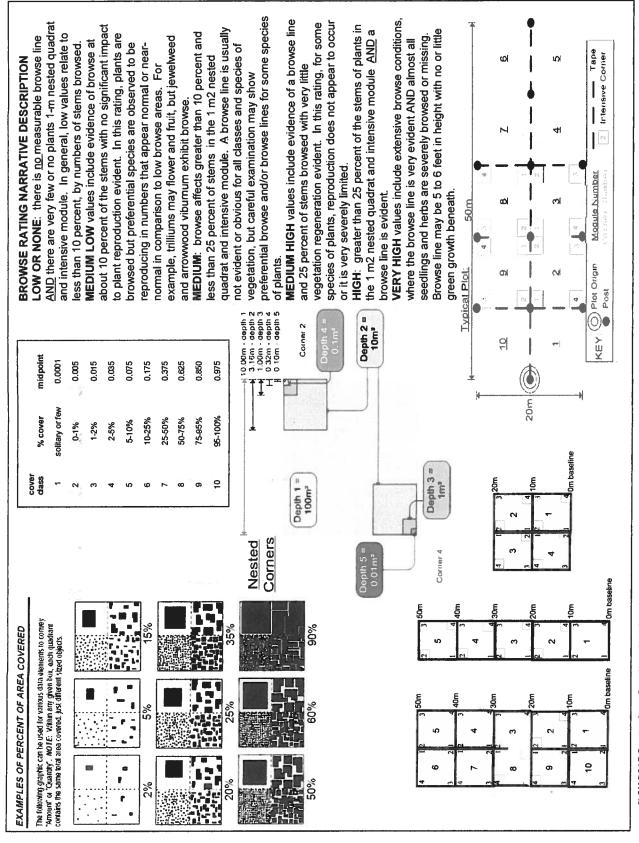


2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Cleveland Metroparks Total modules: Project Label: 12 S H (F)(A) Br FO \odot CI S Q VITIS aestivalis Prunus virginiana Aesuviols (D) YUND Phytolacca americana Heracleum langton floer spechanim Polyganum Virginianum Berbens Thumbergii Lonicera japonica Liquistrum u COWER SWOWIT describe amount of browse per species over entire plot Lindera Shuso Br = Browse Level. Use cover classes to SOWOO erbesina 0 Striate , Sp. DENZOIN Stolowitera alabra Species alternation Vuldave 75 ဂ Intensive modules: %unveg. ground (bare soil) intensive module: Estimate for each %unvegetated open water %unveg. litter (bare litter) Project name: OI RR 2013 Voucher # %open water depth 2 <u>8</u> corner mod comer cov depth COV depth Plot configuration: ODV CQV depth Plot no.: 3483 ş cov | depth depth mod 2×5 comer 8 8 慐 comer mod N S cov | depth cov depth Plot area (ha): 9 ş depth mod Page _ comer mod cov | depth cov | depth 2 2 of comer COV Š depth 12 depth D N 300 ablaN N N 70 70 σį COV 9 W U

Natural Resource Management FORM NR/2010-02a

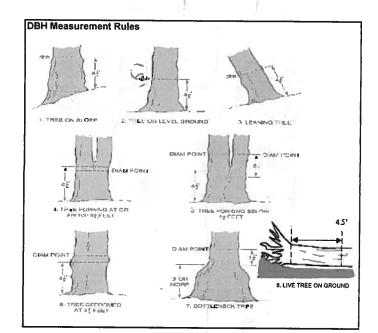
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2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

3

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Ú di Vitis sp. Explain subsample (additional room on back): THE PERSON NAMED IN COLUMN TO PERSON NAMED I Parthenolitals gungulated rains Standing dead arther ocisus guinque folia Toxi (o dendous radicans Ales negundo Aller pe gundo ties rubrim Standing dea and coodifornis CUMUS VIEGINIANS Vito Sp. loxi (dedon adiox Ales nigram pairces moschii Merch \$109 Pugn Salu Vax JOUS SP And Som Project Label: PCAP voucher# 000 9 0 阿二 0 0.0 No. browsed sample # stems Œ. 0-1.4m or super % sub Project Name: 01 ER2013 clumps 60 shrub # size class (cm) woody stems >1.4m 6 7 8 1-<2.5 0 2.5-<5 Plot No.: 3483 4 6 . 0.0 5-<10 0 10 - <15 15 - <20 o 20 - <25 Page: 25 - <30 30 - <35 으 Sieweland Metropaits 35 - <40 5 57.5 53.0 68.8 >40 (record each tree) 64.7 Ξ



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

Record using the tally system from 1 to













ASH CANOPY CONDITION

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



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ASH CANOPY BREAKUP CONDITION (for dead trees):

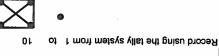
(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below)

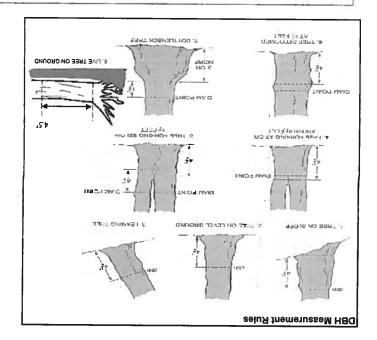
- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs.
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

ิ	2	CI EVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	3	Application	Лесосси	ant Pro	ram N	atural V	S Apool	tem Dat	a Sheet							
	Ì	Project Label:		PCAP		Project	Project Name: 0122013	RR2	813	_	olot No.∶	Plot No.: 3483		Page:	12	약.	1 Printer	Tieneralini meet upans
	_	Explain subsample (additional room on back):	bac	<u>z</u>	:	: :												
			\dashv		# stems	% sub		ize class	size class (cm) woody stems	y stems >1	>1.4m	,	,	7	•	,	5	•
	mod #	species	ი	voucher#	browsed	sample	clumps	<u>የ</u> -	1-<2.5	2.5-<5	5-<10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	>40 (record each tree)
V	4	Standing dedd	_	:				00	• •									
_	A.	ter near ndo			11				8		•		4			>6		
1	4	X.	_													•		51.4
4	1	VIHS SO. 1			D													
1	4	OXI codendina radicans			A													
1	4	Remarks a compared a	\dashv		2011													
1	4	Enonymus foother	_		ē													
	A									•	*	0			•		€.	
1.	5	Linderal benzoin			•				•	9								
1	3	loxicadenima madirans			×			60	•									
1	_ `	_								*								
1	O ⁿ	8			7													
/	ای	Parthenacissos autoreation	1.5	ia	Ħ													
1	VI	Francis Sp.			•													
1	6	Rhampy British grand						•	9									
1	8							23									9	
1	9	Aesculus glabra			×				24.0									111
1	9	FRIXING SP.			0										4			30.0
1	9	Her regundo			•				•	6		•		1				£.6
A	6	Parthuracissus quippetalid			1.3四			B										
	4	Standing Acad											1				7	
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1	0	Toxioleran redución			NA													
1	1	Dal - la			•					•		•						

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



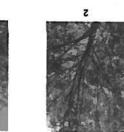
















ASH CANOPY CONDITION

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

(lowest branch) on the trunk.



3

a

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs.
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

6 3aCM PCAP Natural Woody Stem Data Sheet ver 2.0.xls last revised 5/29/2012 jjm 8 8 00 0 100 × 101A (offine) Set Stotimiler 25 Toxi cadendan Adian bor knocks guimetolia Hescolus alabra logicadophon Adicans Had single of remode lathrociscis quinquestià Umus , which Standing ded d loxilogendian radicans Aescubs Glaba Ales of gram formes chiquipand. Haxinus SV Retherectsus amountains TOXINUS SPI Vides 50. tes noundo いらくび からがれらる Handliny dust relians mars anding dead voucher# HA N भ # stems 50 0 A. browsed 0-1.4m 2 or super % sub 6 b clumps shrub # size class (cm) woody stems >1.4m 00 0 • 0 <u>ک</u> 06 . . 0 1-<2.5 4-4 • • 2.5-<5 5-<10 0 6 6 0 10 - <15 C 15 - <20 • **o** 20 - <25 25 - <30 æ 30 - <35 35 - <40 ō 61. 40: 1, 66.1 >40 (record each tree)

Hapa

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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Explain subsample (additional room on back):

Project Label: _

PCAP

Project Name: O(RL 2013

Plot No.: 3487

Page: 3

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Giereiand Metropaiks

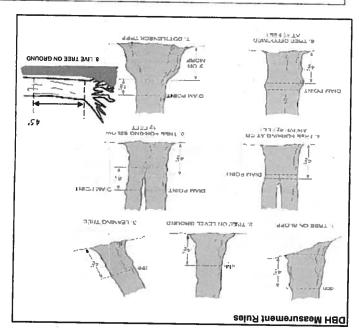
=

Natural Resources Management FORM NR/2010-03a

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











a







NOITIONO Y 4 ONA 2 HEA

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- 4. >60% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
 - sunlight, die naturally and are not considered.
- 5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy

(lowest branch) on the trunk.



ASH CANOPY BREAKUP CONDITION (for dead trees):

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

- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs.
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

8 6 3 -0 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

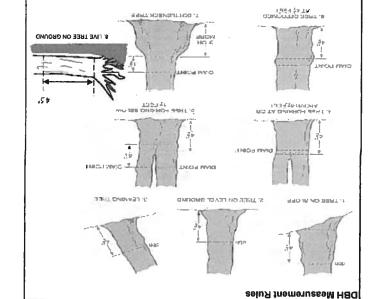
Project Label: PCAP Project Name: ONCO P 9 0 Fax, nus Bechers thurberaji Explain subsample (additional room on back): EUDAYMUSU FITHE Vins Sp! Parthonoisus quinquefold PAX INUS Carry conditamis Cornus Sta Linguiston vulgare nous una midas Punos scopins the reason voucher# N N 0 browsed sample # stems 0-1.4m or super % sub clumps 0 shrub # size class (cm) woody stems >1.4m 9 OF <u>የ</u> B 1-<2.5 2 2.5-<5 Plot No.: 3483 9 5-<10 000 10 - <15 G 15 - <20 6 20 - <25 Page: 25 - <30 30 - <35 으 9 Gieveland Retroparts 35 - <40 5 47.0 45.6 >40 (record each tree) =

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

Record using the tally system from 1 to









ASH CANOPY CONDITION

- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves. 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- sunlight, die naturally and are not considered. 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to
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(lowest branch) on the trunk.



3

a

(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition ASH CANOPY BREAKUP CONDITION (for dead trees):

suk as described below)

- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs.
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- D: Stem still standing and tertiary main branches present.
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	<u>-</u>
	ANU N
	FIRO
	PARK
P	SEme
roject Label: PCAP	EVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet
abel: F	sh Bor
PCAP	er - Fr
	axinus
Projec	Shee
roject Name: OlKK	_
Ö	
P	

81022

Plot No.: 3483 Date:

ONLY TREES ≥ 10CM ONLY
Date: 7/30// }

Page: 1 of 2

			1					Π								0	9	و	a	8	D	80	W	10	Module
25	24	23	22	21	20	19	1 1 1 1 1 1	17	16	15	<u> </u>	13	12	=	10	9	00	7	o	თ	4	ω	2		ile Tree
																Frannus Sp.	Fraxinus sp.	TOXINS SO.	FRANNS Sp.	\sim	47	\vdash	Traxinus su.	FRUXIOUS Sp.	Species
																		/	/						Dead o
																0.21									Voucher#
					:										1	*	26.9	19.9	8.8	61.7	18.5	39.9	53.0		(cm)
					-10	ļ	,	_				L													BH ⊕
																2	\$2	57	CT	\neg	57	2	4	W.	Ash condition
																		0	I		abla				*Dead condition
																00	0	a	9	Q	2	0	5	=	# Exit
																G	0	S	O	0	0	0	O	O	# Exit Epicormic holes present
																0	-		-	O		0	-		Woodpecker holes

9

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3

(8)

6

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*** Change intensive module numbers when necessary

E.

6

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

* If Ash Condition scores 5 (dead) provide breakup score (A-E) Count EAB exit holes 1.25m≥ x ≥1.5m Woodpecker and epicormic marked present (1) or absent (0)

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection	/ Rapid response	123	Pre	sence	TO SERVE	GPS	
		NE	SE	sw	NW		Presence
Microstegium vimineum	Japanese stiltgrass	T				17-10/	X: yes
Ranunculus ficaria	Lesser Celandine		T				
Cynanchum louiseae (vine)	Black Swallow-wort						
Butomus umbellatus (wetland	Flowering Rush	1					=1
Tier 2: Assess a	s Needed		# of	Plants		comments	
	THE RESERVE OF THE PARTY OF THE	NE	SE	SW	NW		# of Plant
Acer platanoides	Norway Maple	T		1			4: 50-10
Ailanthus altissima	Tree of Heaven						5: 100-1,0
Lonicera japonica (vine)	Japanese Honeysuckle		11			SPE 11-6-13	6: >1,00
Lythrum salicaria (wetland)	Purple Loosestrife		1				
Aegopodium podagraria (G-cover)	Bishop's Goutweed						_
Celastrus orbiculatus (vine)	Asian Bittersweet		1				
Torilis sp.	Hedgeparsley		\top				
Conium maculatum (wetland)	Poison Hemlock		\Box				
Rhamnus cathartica	Common Buckthorn (shrub)						_
Berberis thunbergii	Japanese Barberry (shrub)		11	T			_
Alnus glutinosa	European Alder		1				
Dipsacus laciniatus	Cut-leaf Teasel			3			_
Elaeagnus umbellata	Autumn Olive (shrub)				\Box		-
Lonicera maackii	Amur Honeysuckle (shrub)		1	1			-
Euonymus fortunei	Wintercreeper	5	 	+-	2		_
Tier 3: Presence is	The state of the s		# of	Plants		comments	
		NE	SE	Isw	NW		# of Plants
Convallaria majalis (G-cover)	Lily of the Valley		1	-			1: 1-10
	Crown Vetch	-					2: 11-50.
Eleutherococcus pentaphyllus	Five-leaf Aralia (shrub)				\vdash		3: >50
	Japanese Pachysandra		1				- Is. 130
Philadelphus coronarius	Mock Orange (shrub)	_	1				-
Pulmonaria officinalis (G-cover)	Lungwort	-					
Rubus phoenicolasius	Wineberry	_	t				-1
ris pseudacorus (wetland)	Yellow Flag Iris		1				\dashv
Ornithogalum umbellatum	Star of Bethlehem						-1
/iburnum opulus var. opulus	European Cranberry (shrub)			1			\exists
	Doublefile Viburnum (shrub)			-			
Tier 4: Widespread a			Pres	ence		comments	
		NE	SE	sw	NW		Riesence
Alliaria petiolata	Garlic Mustard	2		2	1		X Jac
igustrum vulgare	Common Privet (shrub)	2	1				1 1 13
morrowii, L. tatarica	Bush Honeysuckles (shrub)		Ť	2			- 1
	Reed Canarygrass	_	<u> </u>				-
	Phragmites				-		7
Polygonum cuspidatum	Japanese Knotweed						-
	Glossy Buckthorn (shrub)				+		-
	Multiflora Rose (shrub)	1			-		-
	Cattails (wetland)						7
Cirsium arvense	Canada thistle	_			-+		-
	Common Teasel				-+	mer	-
Pipsacus tullonum	CUITITION LEASE:						
	Dame's Rocket		1				7

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

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

Project Label: PCAP Project Name: 018203

Plot No .: 3483

(Checoland Metroparton Page: 1 of 1

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

Ϋ́Ε

LF1 is angle of plot to the horizon. TS1 is angles formed by local slopes. For TS1 measure

z

LFI

STANDING BIODIADS (required for energent wettands); conscion to I me dip plots (32.32 cm) from contest and 3 in each intensive module. Required for VIBI-E score calculation. C7=check when collected	urred for emergent from comers 1 and ; score calculation. C	3 in each	s): collected intensive when
Module #	C7	Corner Corner	Corner

 CLASSIFICATION			
(FIT = excellent, g Fit and Confidence			
Hydrogeomorphic class (WETLANDS ONLY):			
a DEPRESSION] 	Conf=	
D IMPOUNDMENT D Beaver D Human	111	Conf=	
o RIVERINE o Headwater o Mainstem o Channel] 	Conf	
□ SLOPE (ground water hydrology or on a physical slop)] 	Conf=	
n FRINGING in Reservoir in Natural Lake	1	Conf=	
coastal (specify subclass)	===	Conf=	
BOG (strongly, moderately, weekly ombrotrophic)	Fit=	Conf=	
Ohio EPA VIBL Plant Community Class (WETLANDS ONLY):	Ë		
o FOREST o swamp forest o bog forest o forest seep	7	Conf=	
D SHRUB D shrub swamp D tall sh. boe D tall sh. fen	1 1	Conf=	
IC SHROB C Shrub Swamp C tan Sh. 602 C tan Sh. (6)1	i	Can =	

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Ranks for microhabitat festures. Salect one 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 1 = slight elevational grade across module (hill) Slope 2 = falls on slope ~20 ° Slope 3 = maximum steepness that can be safely sampled ~45°

- feature is absent or functionally absent from the welland
- 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

		a,	\$	က	2	mod#						
						corner						
		0	0	0	0	(count)	lxim	depth 3		tussocks	no of	
		0	0	O)	Ø	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no of	
		0	႘	σ	O	(count)	10x10m	depth 1		depressions	no. macro.	
		J	٥	၈	08	(count)	10x10m	depth 1		(2-12 cm)	c.w.d	c.w.d cour
		0		0	-	(count)	10x10m	depth 1		(12-40cm)	c.w.d	it for pieces with
		0	Ø	0	0	(count)	10x10m	depth 1		>40 cm	c.w.d	c.w.d count for pieces with minimum 1m length
			-	_	3	(rank)	10x10m	depth I		interspers	microhab.	
		0	0	0	G	(rank)	10x10m	SLOPE			microhab	

Landform Index (position within landscape) Terrain Shape Index (site microtopographic shape)

+315 degrees +270 degrees +225 degrees +1KO degrees +135 degrees +90 degrees +45 degrees At aspect

N.

SW

4

away. standing ~ 10 m eye of person SE

angle from recorders eye to

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

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20	_	10	12	s	
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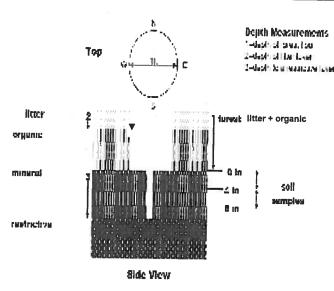
NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.

COVER BY STRATA

STRATUM	GENERAL FORM
Tree (generally >5 m)	Tree (overstory), very tall shrubs*, liana, epiphyte)
Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, epiphyte)
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Floating	Floating
Aquatic (submerged)	Submerged

^{*}Very tall shrubs are sometimes included in the tree stratum

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



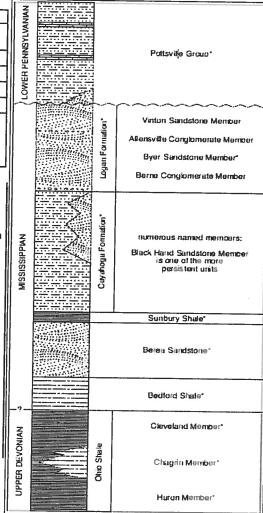


FIGURE 3-20.—Generalized section of Upper Devonian, Mississippian, and Lower Pennsylvanian formations in northeastern Ohio. Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale but the inicinesses indicated are proportional. The term "Wavely is used in the older hierarure to refer to Mississippian rocks in Obio. Some geologists use the European term 'Caroloniferous, which showing passes the Missispipian and Pennsylvanian Periods of the U.S. Many must have been maned within the Cuyahoga Formation, our most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fairly widespread for distanciations of the Edward Colins (1979) for more information on Mississippian rocks in Ohio. See figure 3-15 for explanation of rock types.

^{**}Can also include seedlings of shrubs, i.e. all shrubs <0.5m

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a
Project label: PCAP Project Name: つ/ ピマ 2のう

3483

(Cleveland Netroparks

Page: 1 of 1

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

Soil pit module #___ (one per entire plot)

20 cm g cm matrix color matrix color texture* hydr cond *** exture* oxid roots oxid roots mottle edox features** emottle ottle color ottle color G 2.54 3 2 5 I S (M) D 3 图 (z)

7

* refer to texture classes on reverse side

hydro. cond ***

1 S M D

edox features**

 \mathbb{Z}

•• e g. hydrogen sulfide odor, gleving, etc. indundated S=saturated M=moist D=dry

Notes: include evidence of earthworms (worms, castings, middens)

of custings across put 5 worms, large ant.

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

Parent Material: All J Villy	Depth to rest. Layer: 80 to 10 01 ()	Landform type: Flood glains	Soil Series Source: Ohio Soil Survey	Soil Series Type: Ch - Chagan Cily han	Web Soft Known Informations	2,3,8,9 composited A	Soil Collection Moduld Horizon (A. B, C)
	5		405.74	1000			i.

□ Impermeable surface □ Somewhat poorly dr. Well drained □ Excessively dr. □ Somewhat excessively n Moderately well dr. Very poorly dr.

2 CHA

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

a	ଓ	3	2	mod#
• 1	1,0	.5	01	l litter+ organic depth (cm)
١٠	1.0	e [01	2 litter depth (cm)
6	0	0	G	water depth (cm)
>20	>30	>30	>30	depth sat soil (cm)

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	
Underlying Earth Surface*	Surface*	Ground Cover	
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	0	Coarse Woody Debris***	3%
Mineral Soil	99%	Fine Woody Debris****	W.
Gravel-Cobble*	Pio	Litter	35%
Boulder**	0	Duff (Ferm.+ Humus)	0
Bedrock	0	Bryophyte- Lichen	10/5
* Gravel-Cobble = 1/16-10*	= 1/16-10*	Water	0
**Boulder = > 10 in	in	Bare Soil	30%
*** >5 cm in diameter	neter	Road/Trail	10%
	**** <5 cm in diameter	Other	2

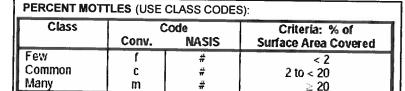
COVER BY STRATA estimate using midpoin	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	%,ex:3, 8, 13
Strata	Height Range (m)	Total Cover (%)
Tree	>5	€3
Shrub	0.5-5	6%
Herb	≤0.5	13
(Floating)*	NA	1
(Aquatic)*	A/N	Ĭ.
* rooted and fix	* rooted and floating or slightly emersed	'Sed

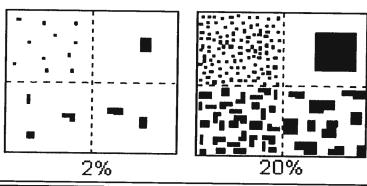
□ Gravei	Bootleg unsanctioned	□ Hiking sanctioned	Bridle	□ All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:	THE REAL PROPERTY.
	107 ₃	3d			%Cover	ver for each	ATION:	

0	0	7	0	D	D	S	_
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ize	ot size	olot size	10-100 x plot size	plot size	plot size	SIZE	
			ze				
 							_

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

** submersed, most plant mass below surface





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

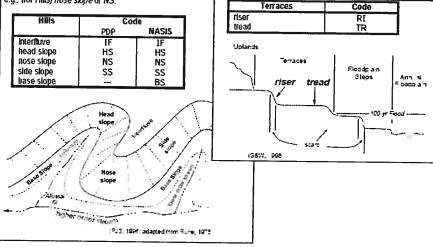
4= Coarse Sand

9= Not measured - make plot note

Position

Geomorphic Component - Three-dimensional descriptors of parts of landforms or 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.



Hillslope - Profile Position (Hillslope 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.

summit shoulder backslope footslope toeslope	SU SH BS FS TS	
Su Sh 9 Bs	Fs Sparce Ts	Sir Su Ba

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.

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Road - four lane		Mag	0	0	0		Water Lev		Stru	cture	0	0	0		Row Crops				0	0	0	
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Suburban Reside			0	0	0		Soil Loss/F	Root Expo	sure		0	0	0		Dairy				0	0	0	
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Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0		0	-
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	100	0	
Garlic Mustard	•	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	-	0	
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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Road - gra	vel			0	0	0		Ditches, C	hanneliza	tion		0	0	0		Pasture/Ha	у			0	0	0	
Road - two	lane		Hid	0	0	0		Dike/Dam.		Bed		0	0	0		Range				0	0	0	
Road - fou	r lane			0	0	0		Water Lev		Stru	cture	0	0	0		Row Crops				0	0	0	
Parking Lo	t/Pavem	ent		0	0	0		Excavation	n, Dredgir	ng	11	0	0	0		Fallow Field		RESTI	NG	0	0	0	1
Golf Cours	se			0	0	0		Fill/Spoil E	lanks		4	0	0	0		Fallow Field	(OLD - GRA	ASS,		0	0	0	
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Frash				0	0	0		Impervious (SHEETFLOV		input		0	0	0		Gravel Pit			1811	0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation				0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:				0	0	0	
Indus	strial De	velo	pme	ent S	tres	sor	S					1	labit	tat/V	egeta	tion Stress	ors						
ill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	lot	1	2	3	Flag	Fill bubbl	le if prese	nt - I	Plot	1	2	3	Flag
Dil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se			0	0	0	
as Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	ub Cutting			0	0	0	
/line (surfa	ace)	ligh.		0	0	0		Tree Planta	tion	1779		0	0	0		Trails		771		•	0	0	
/line (unde	erground)			0	0	0		Tree Canop	y Herbivo	гу		0	0	0		Soil Compa				0	0	0	
Military				0	0	0		Shrub Laye		1		•	•	0		(ANIMAL OR HU	SUPPLE	10		0	0	0	
Other:				0		0	11 1100	(WILD OR DON Highly Graz	ed Grass	es			0.00			Soil erosion		_	TER,	-		-	-
			100		0			(OVERALL <3" Recently Bu		est		0	0	0		OR OVERUSE)			+	0		0	
Other:		-	-	9	0	0		Canopy Recently Bu			d	0	0	0	-	Other:			-	9	9	0	-
Other:			- 1	0	0	0		(BLACKENED)				0	0	0		Other:		_		0	0	0	
Fla	g codes: I	K = N	o mea	surer	nent			uspect measi lags in comm							gned by	y each field cr	ew.	2	2428	168	304		
Bu	iffer Sam	ple P	lots	05/	27/2	2011	0.000				NI.							Shy					

Site ID:	: P(CAL	PR	R 32	483	DAT	E: 7	0 =	7-1	3012013			
		-				-				absence by filling in this bub	ble		
Fill bubble if present - Plo		2	3		Fill bubble if present - Plot	1	2	3	Flag		1	2	3
Èurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	-	0.55
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu		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
Garlic Mustard	•	(8)	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk		0	0
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	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
	70		101	VIII.	Loary opings				4		0	0	0
C. C. USANAGARA	00501	el une	Jan Co	CONTRACTOR OF THE PARTY.	PLOT COORD	Spouls in		15000		Other:	0	0	이
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ag box, and describe wher lither placed as close to the Location of coordina O AA CENTER	re the content of the center o	oordin r of P hoos	nates lot 3 se or	were the sas possible):	coordinates will indicate the local aken and why in the comment sible or at the center of the last of	ection deces	of the belo ssible	trans w. TI Buffe	sect. Fine coor	Il in the "nearest practicable loca dinates of the nearest practicable	ition" le loca	L L L .	le, fill can t
ag box, and describe wher ther placed as close to the Location of coordina O AA CENTER	re the content of the center o	oordin r of P hoos	nates lot 3 se or	were the sas possible):	coordinates will indicate the local aken and why in the comment sibble or at the center of the last of	ection dection access	of the holdsible	trans ow. Ti Buffe	sect. Fine coor	Il in the "nearest practicable locardinates of the nearest practicable and comment below)	ition" le loca	L L L .	le, fill can t
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Location																ıld not be	samp	led	and 1	flag	→		
OAAC	Center	O	N	0	S	@	<u> </u>	W		Plot 1	•	_	Plot			Plot 3		120				L_	
								ıs; E = Evergre h strata type fo		Гуре: В	3 = Br	oadlea	f; N =	Needl	e Leaf. A			avy (40-75%); 4 = \	/ery H	leavy	(>75%)
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			\sim			1	Flag			f Typ			' - '	$\overline{}$	Flag		L		pe: (/	Í			Flag
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mall Trees (<			0	0	0	0		Small Trees (Woody Shrub	·	\vdash	0	0	읫	$\frac{\odot}{}$	-	Small Trees Woody Shru	<u> </u>	-1-	+=	0	@	0	
	5m HIGH)		0	0	0	0	<u> </u>		n-5m HIGH)		0	0	의		ļ		im-5m HIGH	<u>ي ارد</u>		0		0	
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	Grasses		0	0	0	0	ļ		Grasses	0	0	(9	$\overline{\underline{\odot}}$	ļ		Grasse	<u>ه</u> (د	+=	0	0	0	
	ground	0		0	0	0			ground		0	0	0	$\overline{\underline{\odot}}$			e ground			(4)	<u>0</u>	0	
Litt	ter, duff		0	0	0	0		Lit	tter, duff	0	0	0		<u>0</u>		L	itter, duf	<u> </u>	+=	0		0	
	Rock	0	0	<u>0</u>	0	•			Rock	0	0	(1)	0	<u>O</u>			Rock	-12	-	0	<u> </u>	0	
	Water (1) ① ② ③ ①								Water	\vdash	0	0	0	<u>O</u>			Water		+	0	0	0	
	ibmerged egetation		0	2	0	0			ubmerged /egetation	(P)	0	②	0	0			Submerge Vegetation			0	0	0	
Stress	or Pres	ence	e/Ab	senc	:e - (Confi	rm that	a filled data	bubble in	ndical	tes pi	esen	ce an	d an	unfilled	bubble indic	cates abs	ence	by fil	ling th	is bul	oble.	0
Resi	dential	and	Urba	an St	tres	sors			Hydrolo	gy S	tres	sors					Agricul	tural	1 & R	ıral S	tres	sors	
ill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if prese	nt -	Plot	1	2	3	Flag
Road - gra	vel			0	0	0		Ditches, C			SULF	0	0	0	1410. 860 11	Pasture/Ha	y	The state of		0	0	0	
Road - two	lane			0	0	0		Dike/Dam/ (IMPEDE FLO		Bed		0	0	0		Range		tur-		0	0	0	
Road - fou	r lane	A M		0	0	0		Water Leve		Stru	cture	0	0	0		Row Crops				0	0	0	
Parking Lo	ot/Pavem	ent		0	0	0		Excavation	, Dredgin	ng	MIN	0	0	0		Fallow Field	D)	120		0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B			Re-	0	0	0		Fallow Field SHRUBS, TRE		RASS,		0	0	0	
Lawn/Park		die.		0	0	0		Freshly De (UNVEGETAT		Sedim	ent	0	0	0		Nursery		SIL		0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	Root Expo	osure	150	0	0	0		Dairy				0	0	0	
Urban/Mui	tifamily			0	0	0		Wall/Ripra	р	HE		0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outl				0	0	0		Confined A	-	eding	9	0	0	0	•
Dumping		WE!		0	0	0		Point Soun (EFFLUENT O Impervious	OR STORMM	VATER)	0	0	0		Rural Resid	dential	19/		0	0	0	
Trash				0	0	0		(SHEETFLOW		Input		0	0	0		Gravel Pit				0	0	0	
Other: Hy	y. Bric	ge.		•	0	0		Other:				0	0	0		Irrigation				0	0	0	
Other:			_	0	0	0		Other:				0	0	0		Other:				0	0	0	
Indus	strial De	evelo	pme	ent S	itres	sors	3					ŀ	labit	at/V	egetat	ion Stress	ors						
ill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - P	Plot	1	2	3	Flag	Fill bubbl	le if pres	ent -	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear	r Cut			0	0	0	- 1	Herbicide U	se			0	•	0	
Gas Wells	Wire!			0	0	0		Forest Selec	ctive Cut			0	0	0		Mowing/Shr	ub Cuttir	g		0	0	0	
Mine (surfa	ace)			0	0	0		Tree Plantal	tion	His		0	0	0		Trails				0	0	0	
Mine (unde	erground)		0	0	0		Tree Canop	y Herbivo	ory		0	0	0		Soil Compa				•	0	•	
Military				0	0	0		Shrub Layer		d		0	•	0		Offroad vehi		age		0	0	0	
Other:				0	0	0		(WILD OR DOM Highly Graze	ed Grass	es		0	0	0		Soil erosion	(FROM WI		ATER,	0	0	0	
Other:								(OVERALL <3" Recently Bu		est		0	0			OR OVERUSE) Other:				_		1000	
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BL	ıffer Sam	ipie r	riots	05/	21/2	.011						-	-01	-	1-1-10	ALLEY CONT							

	Site ID:	10	" 11		, ~ 0	7703			1000		30,120,13				
	Confirm	a fille	ed da	ta bu	ıbble ir	ndicates presence and an unf	illed I	bubbi	le ind	licates	absence by filling in this bub	ble			
Fill bubble if p	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 Wate	ermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacint	th	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floatin	g 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	
Garlic Mustaro	d	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlo	ock	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 Trefo	oil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	le	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	80
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ocation of the f Buffer Plot 3 Plots are cente lag box, and d either placed a	can not be ac ered on the Bu lescribe where	cesse ffer Tr the c cente	ranse oordir of P	ects and established and estab	e coord nd the were t as pos	coordinates will indicate the loca aken and why in the comment s sible or at the center of the last	ation section acces	of the n belo ssible	trans ow. Ti Buffe	sect. Fi he coor er Plot.	TRANSECT. This is important tell in the "nearest practicable locardinates of the nearest practical locardinates and comment below)	ation"	bubb	le. fil	er I in 1 De
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f Buffer Plot 3 Plots are cente lag box, and deither placed a Location of O AA CEN	can not be accepted on the Bullescribe where its close to the of coordinate ITER ON Latitude I	cesse ffer Tr the cocente es (ci	ranse oording of P hoos O S3	nates Plot 3 se or	e coord nd the as were t as poss ne):	coordinates will indicate the local aken and why in the comment is sible or at the center of the last O W3 O Nearest practically beginning to the comment of the last of the	etical Lon	of the n belo ssible ble lo gituo NAD	transow. Ti Buffe catio	sect. Fi he coor er Plot. en (flag	Il in the "nearest practicable locardinates of the nearest practicable locardinates of	ation" le loc	bubb	le, fil can	er I in 1 De
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Site	ID: <u>/</u>	UH	PK	K o	<u>94</u>	2	<u> </u>	···							DAT	E: 0.7	3.0) / 6	<u> </u>	1.	3	
Locati																uld not be	sample	ed and	flag	→		
OAA	Center	С	N	0	S	0	E C	W		Plot			Plot			Plot 3						
Fill in bubble Strata Secti	es for all ti on: Fill in	hat app approp	ply: Ca oriate o	anopy cover	Type class	D = I bubbl	Deciduou e for eac	is; E = Evergre	Buffer en. Leaf T or each plo	Type: E	3 = Bn	oadlea	f: N =	Need	le Leaf.	Absent: No tree loderate(10-40	e canopy. %); 3 = Hea	vy (40-75	%); 4 =	Very H	leavy	· (>75%)
Buffer	Canop	у Тур	e: 🕝) () A	bser	nt: 🌑	Buffer	Canop	у Тур	e: () () A	bsen	it: 🙆	Buffer	Canopy	Type: (D () AI	bsent	: 0
Plot 1	Lea	f Typ	e: 🕒) (Flag	Plot 2	Lea	f Typ	e: (•) ()		Flag	Plot 3	Leaf	Type: (D C			Flag
Big Trees (>	0.3m DBH		0	②	0	0		Big Trees (>	-0.3m DBH)		0	0	(<u>-</u>)	0		Big Trees	(>0.3m DBH)	00		0	0	
mall Trees (<0.3m DBH		0	2	0	0		Small Trees (<0.3m DBH		0	0	0	0		Small Trees	(<0.3m DBH)	0		3	0	
Noody Shrub: (0.5m	s, Saplings -5m HIGH)		0	②	0	0		Woody Shrub: (0.5m	s, Saplings -5m HIGH)		0	0	0	0			bs, Saplings m-5m HIGH)		0	0	0	
Woody Shrub: (<0	s, Saplings .5m HIGH)		0	0	0	0		Woody Shrubs (<0	s, Saplings 9.5m HIGH)	0	0	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0 6	0	0	0	
Herbs, F	orbs and Grasses	0	0	(2)	0	(1)		Herbs, F	orbs and Grasses	0	0	0	0	(1)		Herbs,	Forbs and Grasses	00	0	0	(4)	
Bare	ground	1	0	2	0	0		Bare	ground	1	0	0	0	0		Bar	e ground	6	0	0	0	
Lit	ter, duff	(0	0	0	0		Lit	ter, duff	0	0	0	0	0		L	itter, duff		0	0	0	
	Rock	(6)	0	0	0	10			Rock	1	0	②	<u> </u>	0		<u> </u>	Rock	O	0	0	0	
,,	Water	(4)	0	0	0	0			Water	0	0	0	<u> </u>	0			Water	0	+ -	0	0	1
	ubmerged egetation	(b)	0	0	0	0			bmerged egetation	(b)	0	(2)	<u></u>	0			ubmerged Vegetation	00	0	0	\odot	
		-	e/Ab	send	:e -		irm that				tes p	esen	ce an	d an	unfilled	l bubble indic			lling th	is bul	oble.	•
Resi	dential	and	Urba	an S	tres	sors			Hydrolo	gy S	tres	sors					Agricultu	ıral & R	ural S	Stres	sors	
ill bubble	if pres	ent - f	Plot	1	2	3	Flag	Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if presen	t - Plot	1	2	3	Flag
Road - gra	avel		M	0	0	0		Ditches, CI	hanneliza	ation		0	0	0		Pasture/Ha	y	U. Say	0	0	0	
Road - two	lane			0	0	0		Dike/Dam/I		Bed		0	0	0		Range			0	0	0	
Road - fou	ır lane			0	0	0		Water Leve		l Stru	cture	0	0	0		Row Crops			0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Field		RESTING	0	0	0	
Golf Cours	se		ng.	0	0	0		Fill/Spoil Ba		yâ		0	0	0		Fallow Field SHRUBS, TRE		ASS,	0	0	0	
Lawn/Park				0	0	0		Freshly De (UNVEGETATI		Sedim	ent	0	0	0		Nursery			0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/R	Root Expo	osure		0	0	0		Dairy			0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Riprap)			0	0	0		Orchard	HI W		0	0	0	200000000000000000000000000000000000000
Landfill				0	0	0		Inlets, Outle				0	0	0		Confined A	nimal Fee	ding	0	0	0	
Dumping				0	0	0		Point Source (EFFLUENT O	R STORM	VATER)	0	0	0	L	Rural Resid	ential		0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW		input		0	0	0	ļ	Gravel Pit			0	0	0	
Other:				0	0	0		Other:			_	0	0	0		Irrigation			0	0	0	
Other:			_	0	0	0		Other:				0	0	0		Other:			0	0	0	
Indus	strial D	evelo	pme	ent S	tres	sor	S					1	labit	at/V	egeta	tion Stress	ors					
ill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - P	lot	1	2	3	Flag	Fill bubbl	e if prese	nt - Piot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear	Cut			0	0	0		Herbicide Us	se		•	0	0	
Gas Welis				0	0	0		Forest Selec	tive Cut			0	0	0		Mowing/Shr	ub Cutting		•	•	0	
Mine (surfa	ace)			0	0	0		Tree Plantat	ion			0	0	0		Trails			0	0	0	19
Mine (unde	erground)		0	0	0		Tree Canopy (INSECT)	y Herbivo	гу		0	0	0		Soil Compac			0	0	0	
Military				0	0	0		Shrub Layer		i		0	0	0		Offroad vehi		je	0	0	0	
Other:	-46			0	0	0		Highly Graze	ed Grass	es		0	0	0		Soil erosion	(FROM WINE	D, WATER,	0	0	0	
Other:				0	0	0		Recently But		est		0	0	0		OR OVERUSE) Other:		1	0	0	0	
Other:			10	0	0	0		Canopy Recently Bui	med Gra	sslan	d	0	0	0		Other:			0	0	0	
	g codes:	K=N	o mea		_			(BLACKENED) spect measu	rement	F1,F2	, etc. :					each field cre	w.	7				18
	ıffer San				27/2	Exp		ags in comme										242	8168	304		
										-						-	40 10 11					

both bricen.

A platanody in rose Bull throthe, tease, g. mustand Vapolis

FC	RM	B-1	1: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TE) ALI	EN SPECIES (Back) Reviewed by	(initia	ı):		
Site ID:	P	CA	PK	PR.	3483	DAT	E: _(2.	<u> </u>	3012013				
Confirm	a fille	ed da	ita bi	ubble i	ndicates presence and an unf	illed (bubbi	le inc	licates	absence by filling in this bubl	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble If present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	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	•	
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	
					A CONTRACTOR	SI.	1123			Other:	0	0	0	
	416		(Earl		PLOT COORE	DINA	TES					(AS)		725
Location of coordinate O AA CENTER O N	es (c	hoos S S:	se o	ne): O E3	O W3 O Nearest pract	ctical	ole lo	catio	on (flag	and comment below)	7.		Fla	g
					Use Decimal Degr									
Flag Comments														
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				The					***		S/445-3105			
Buffer Sample Po	oints -	- Targ	getec	l Alien !	Species 05/27/2011					796	6623	3548	I	D

							FO	RM B-1:	RHEE	ED	SAI	MDI	E D	10	TQ (E	ront)		Davida		0-141-			
Site	ıD: <u>ρ</u>	CAP	2 12 1	1.3	12	3	10	KWI D-1.	BOLL	LIX	JAI	AIL L	.L. F	LU		E: <u>0.7</u>		Revie				2	
Locati		ויוט	14	<u> </u>	70	<u>,                                    </u>			TEIII	in h	whh	lala	\ :F =	lot/	0) 00	uld not be	oomple oomple			100	1,	곶	
OAA		_	N	0	e	0	E 4	w	OP			1	Plot			Plot 3	Sample	eu a	IIG I	lay			
UAA	Center		7 14		3			Maria de la companio	Buffer	_	_				V2-4-10	FIUL 3							
								ıs, E = Evergre	en, Leaf T	ype: E	3 = Br	oadlea	f, N =	Need	le Leaf.	Absent: No tree loderate(10-40		avy (40	)-75%	), 4 = ¹	√ery H	leavy	(>75%)
Buffer	Canop	у Тур	ре: (°	) (	) A	bser	ıt: 📵	Buffer	Canopy	y Typ	oe: (		) A	bsen	t: O	Buffer	Canopy	/ Tvp	e: 🕼	) (	) AI	bsen	t: ()
Plot 1	Lea	f Тур	e: (	5 6	5	T	Flag	Plot 2	<u> </u>		e: (º	- 40	_		Flag	Plot 3		f Typ	$\frac{\sim}{\sim}$	) <u>©</u>	-	5.32	Flag
Big Trees (	>0 3m DBH)	<b>@</b>	0	0	0	10		Big Trees (	>0.3m DBH)	0	O	0	0	<b>(</b>		Big Trees	(>0.3m DBH)	0	•	0	0	0	
Small Trees (	<0.3m DBH)	1	0	0	0	0		Small Trees (	<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH	0	0	0	•	0	
Woody Shrub	s, Saplings -5m HIGH)	0	0	0	0	0		Woody Shrub (0.5m	s, Saplings n-5m HIGH)	0	0	•	0	0			ıbs, Saplings m-5m HIGH)		0	0	0	0	
Woody Shrub	s, Saplings ).5m HIGH)	1	0	0	0	10		Woody Shrub	s, Saplings 5 5m HIGH)	0	0		3	0		Woody Shru		(D)	0	0	0	0	
	orbs and Grasses	_	0	0	0	10			Forbs and Grasses	1	0	0	0	0			Forbs and Grasses	1	0	0	0	0	
Bare	ground	0	0	0	0	0		Bare	ground	0	0		0	0		Bar	e ground	0	0	<b>(</b>	0	0	150
Lit	ter, duff	0	0	0	0	10		Li	tter, duff	0	0	0	0	0	1	L	itter, duff	0	0	0		0	
	Rock	0	1	0	0	0			Rock	0	1	3	0	0			Rock	Ō	0		0	0	
	Water	0	0	0	Ō	Ō			Water	<b>(b)</b>	Ō	0	0	0	1		Water	9	$\tilde{\odot}$	0	0	$\tilde{\odot}$	
	ubmerged egetation	1	0	0	0	0			ubmerged egetation	<b>(A)</b>	Ō	0	0	0			Submerged Vegetation	(1)	Ō	0	0	0	
			e/Ab	send	:e -	Conf	irm that				tes p	resen	ce an	d an	unfilled	bubble indic		ence	by filli	ing th	is but	oble.	0
Resi	idential	and	Urb	an S	tres	sors		Shelling and	Hydrolo	gy S	tres	sors	Univ				Agricult	ural .	& Ru	ral S	tres	sors	
Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubbk	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - P	lot	1	2	3	Flag
Road - gra	avel			0	0	0		Ditches, C	hanneliza	ation	ď.	0	0	0		Pasture/Ha	у			0	0	0	
Road - tw	o lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range				0	0	0	
Road - for	ur lane			0	0	0		Water Lev		Stru	cture	0	0	0		Row Crops				0	0	0	
Parking L	ot/Paverr	nent	y si	•	0	0		Excavation	, Dredgin	ng		0	0	0		Fallow Field		RESTI	NG	0	0	0	
Golf Coun	se	VA		0	0	0		Fill/Spoil B				0	0	0		Fallow Field SHRUBS, TRE		ASS,		0	0	0	
Lawn/Parl	k			0	0	0		Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery		inf a	r, R	0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F		sure		0	0	0	1	Dairy				0	0	0	100
Urban/Mu	Itifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A		ding		0	0	0	
Dumping			-	0	0	0		(EFFLUENT C	RSTORM			0	0	0		Rural Resid	lential			0	0	0	
Trash				0	0	9		(SHEETFLOW		,, iput		0	0	0		Gravel Pit				0		0	
Other:			-	0	0	0		Other:			=	0	0	0		Irrigation				0	0	0	
Other:	N. I. I. E.	G.O.	2070	0	0	0		Other:			120000	0	0	0	1201.20	Other:			_	0	0	0	
	strial De		-	ent S	tres		3						<del>l</del> abit	tat/V		tion Stress		U I					
Fill bubble		ent - I	Plot	1	2	3	Flag	Fill bubble	if presen	nt - F	lot	1	2	3	Flag	Fill bubbl	e if prese	ent -	Plot	1	2		Flag
Oil Drilling				0	0	0		Forest Clea	r Cut	uit lij		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	)	-	0	0	0	
Mine (surf				0	0	0		Tree Planta Tree Canop		D/		0	0	0		Trails Soil Compa	otion			0	0	0	
Mine (und	erground	)		0	0	0		(INSECT)				0	0	0		(ANIMAL OR HI				0	0	•	
Military				0	0	0		Shrub Layer	ESTIC)	100		0	0	0		Offroad vehi		QUOTE T		0	0	0	
Other:			lin.	0	0	0		Highly Graze	HIGH)			0	×	0		Soil erosion OR OVERUSE)		D, WA	IER.	0	0	0	
Other:				0	0	0	o es 1	Recently Bu Canopy				0	0	0		Other:			_	0	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)	med Gra	sslan	id	0	0	0		Other:				0	0	0	
● Fla	ag codes:	K = N	lo me	asure	ment	made	, U=S	uspect measu	rement,	F1,F2	, etc.	= mise	c. flag	s assi	igned b	y each field cn	ew.	2	2428	3168	304	1	
Bu	uffer San	nple F	Plots	05/	/27/2	2011		go an oonnill		541 1		J., <b>J</b>	10										

Suffer 3, fill in	O O O O O O O O O O O O O O O O O O O	ecaus tion" t	Vultiflora Rose  Common Buckthom  Tamatayan Blackberry  Other:  Other:  Other:  Other:  Other:  Other:  If a buffer Plot at the AA CENT  Other:  Tamadayan Blackberry  Other:  If a buffer Plot at the AA CENT  Other:  If a buffer Plot at the AA CENT  Other:  If a buffer Plot at the AA CENT  Other:  If a buffer Plot at the AA CENT  Other:  If a buffer Plot at the AA CENT  Other:  If a buffer Plot at the AA CENT  Other:  If a buffer Plot at the AA CENT  Other:  If a buffer Plot at the AA CENT  Other:  If a buffer Plot at the AA CENT  Other:  Other:  If a buffer Plot at the Buffer	ONG THE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Buffer	opnate bubble. Inates at the nearest practicable	the coord	O (O	esseques pà gi	ioating Heart livinia ustard limute Weed Thistle Thistle fre coordinates at the plot coordinates at th	Eurasian Water h Giant Sa Gian
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