CLEVELAND MET	ROPARKS Plant Community Asses			© Cleveland Metroparks
Project Label:	PCAP PCAP	_ Plot No.	Date Sampled	: 10July 2017 end: J. Mil
			Comment requ	ired if item answer is NO
Parking/Access outsid	e of Park Boundaries:	Y (N)	If yes, write details in Com	ments section below
Field journals complete	ed	Ø N		
Site sketch made on 1	3000 map?	(Y) N		
Check cover page	X-axis Bearing of plot recorded	(Ŷ) N		
	GPS coords. Recorded	(Ŷ) N		
ĺ	North direction recorded	Ø N		
	Photographs taken?	(Ý) N		
Plot No., Date agreem	ent on all pages?	Y N		
Header data completed	i all pages?	(Ŷ) N		
Cover classes recorded	in all Intensive modules	(Ŷ) N		
Browse Level By Spec	cies	Øи		
Woody stem quality co	ontrol check	O N		
Invasive plant quality	control check	Y N		
Ash trees mapped	··=	Y N		==
Cover by Strata? (conf	îrm cover type)	N		- 4 - 2
Soil samples collected	with matching plot #.	(Ŷ) N		
Vouchers labeled on d	atasheet with initials and number	Y N		
Vouchers labeled on c	ollection bag	V N		
Pink flags removed		Y N		
Data sheet QA before	leaving site?	(Ŷ) N		
Common equipment re	eturned to tub.	(Y) N		
Data sheets scanned?		1/19/13	Enter date to left ( C C	
Final data sheets scan	ned?		Enter date to left	
Buffer Widths measur	ed?	Y N	BB 6-28-1	3
Web Soil Survey		Y N	BB 7-12-13	
Voucher Location	Refrigerator	(Ý) N		
( # vouchers collected)	Press (#)		Enter number to left	
AM 313	Drier	Y N		
וער ויוון	Identified	Y N		
Q53 +52	Mounted	Y N		
	Thrown away	Y N		
p				
GRTS point verificat	ion: Is plot sampleable?			
v Yes	Original GRTS point is sampleable			
□ No	Original GRTS point lands in a non-s	sampleable area (f	ill in category below)	
	De Point falls in a water (i.e. river, la	ake)		
	Managed mowed area (i.e. golf of	course, picnic area, rigi	ni-of-way)	
	□ Paved area (i.e. parkinglot, road) □ Unsafe to sample (i.e. steep slope)	·		
	Other			30) 110111111
Additional Comment	S:			



permanent posts

(Cluswiand Mains Page 1 of 2

Minimum required fields in Bold and Underlined

\*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide

50150 otross.

OVER

☐ Conspicuous inclusions ☐ Irregular/pattern mosaic	mosaic	Former Land Use:	(が大からとく)
•	HYDROLOGIC REGIME*		
	Upland (seldom flooded)	Intermittently flooded	
SALINITY*	☐ Intermittently/seasonally saturated	Semipermanently flooded	
□ Saltwater	(seldom flooded)	□ Permanently flooded	
□ Brackish	□ Permanently/Semipermanent. saturated	□ Tidal/Seiche flooded daily	
o Fresh	(dry <1/yr, seldom flooded)	☐ Tidal/Seiche flooded monthly	
d Upland (n/a)	□ Occasionally flooded (<1/yr)	Tidal/Seiche flooded irregular	
	n Temporarily flooded	(e.g. wind, storms)	
(by default unless plot is a wetland)		- Unknown	

☐ Conspicuous inclusions

¶ Homogeneous

□ Compositional trend across the plot

Gosp the the Becch-Maple Forest

Current Land Use:

\*\*L=low, ML=med low, M=med, MH=med high, H=high, VH=very high

Other

HOMOGENEITY

Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)

There is a higher diversity in the snow layer and harboneouslayers (probabily due to the light gap which appears to have locen there for a while). Many, invasives, but not thick—only charlic mustard had significant cover, and was followed by bucktown which there were not her backers layer, and was followed by bucktown which there were not her backers layer, and was

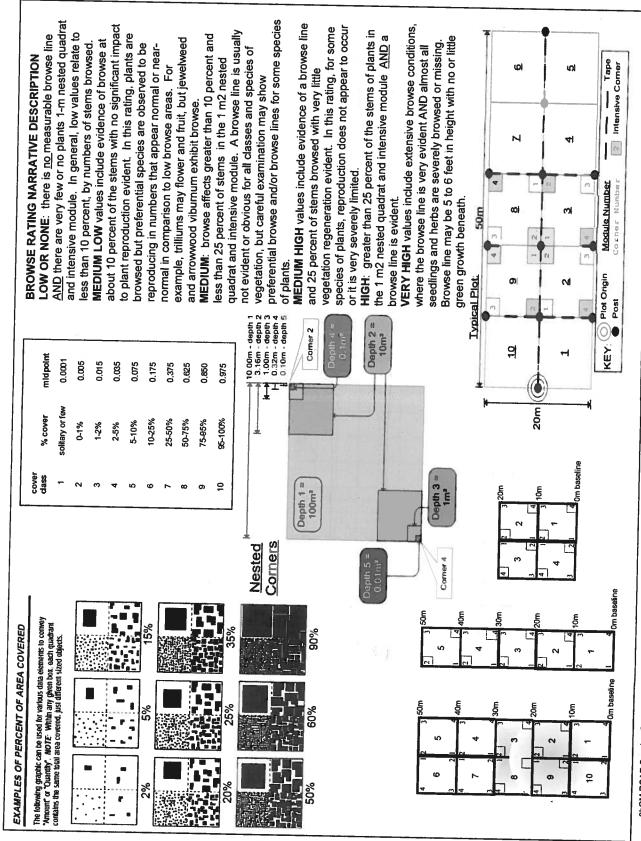
There were large, mature from serving and tulip, but majority tree in the surrounding woodland is containly sugar maple. To the NW, turns into hickory-dominated mixed (down slope).

waterate ? Rugoum. A \* CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a B Strata - Cov. entire plot Total modules: Project Label: 2aCM PCAP Species Cover Data sheet Page 1 of x\_ver 3.xls last revised 5/29/2012 oeh 1444 , 45 S H (F)(A) Br (J 3 g 5 Parthunocissus cinquestilias G. 0 Unk U wondy di Yat (Rhammus) franquia -athus lay stichum acrosticioides Liriodenaron tulipitera Unk. Woody dicot 2 Rulaus pannos allvanicarius Dryopheris carthysiana RUJA MULTIFIONS **Br** = Browse Level. Use cover classes to describe amount of browse per species over entire plot Her Spo Fraxing Carpinus Caroliniana introdus sap. Alliania pendato Pode Phyllum dinchiva A car sauhanum Prinus serohna direamn vivainianum Toxico dendrón radicoins BLAG N30UMO itis aextivalis ala spa cordiformis NEW TOWN 20% triphyllum triphyllum (seedling) Species しなった sead ling ac to un Intensive modules:4 %unveg. ground (bare soil) %unvegetated open water intensive module: Estimate for each %unveg. litter (bare litter C3 14-13-14 受生な ىر Project name: 01 NC 3013 Voucher # 1441, 42 %-spen water depth 13 W r ذم BOE N N 12 2 W S က comer **6**0 17 5  $\overline{\omega}$ cov depth cov depth 0 0 12 n mod comer C Plot configuration: 'n, r 12 17 S 14 a N N ş ş depth \_\_ mod come L1 N 4 Plot no.: 1348 භ cov | depth N 3  $\alpha$ C 0 8 N L 12 depth Γ I mod 12 13 r 3 2×3 comer 5 ş depth mod (I) depth 1 N 2 t 1-7 v I S 212 Ov depth 47 Œ 13 v cov depth N L 1 4 \_\_ mod 17 Vi N 12 C V 17 زن 7 Plot area (ha): 0.00 COV 7 N ş 2 depth depth L DOM: C S 1 W 13 13 نى 77 6 P U Page 1 T) 3 8 2 41 11 6 comer mod comer 2 cov | depth 2 N \_ 7 depth <u>\_\_</u> I 2 \_ 14 Z Z 8 2 COV depth depth mod comer ş COV

SIR 9-3D-13

Natural Resource Management FORM NR/2010-02a

CLEVELAND ME Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a  Project Label: PCAP Project name: 0   1 1 1 20 3	nent Program Specie Project name:	es Cover Data	20   3	Plot no.:	1348	ox.				Page	12	9	W	
Total modules:	6	Intensive modules:	<u>4</u> Plot	Plot configuration	ation:	7×3		ļ	Plo	Plot area (ha):	ı (ha)	00	8		
	Br = Browse Level. Use cover classes to describe amount of browse per species over	Estimate for each intensive module:	mod corner mod	corner mod	corner m	20v	depth C	comer mod	od comer 7 2 3th cov	depth mod	00 C C C C C C C C C C C C C C C C C C	depth mod	88 17 80 mai	depth R	Sov 20 Conner
medanas	entire plot	%unvegetated open water %unveg. ground (bare soil)					<u> </u>		++						
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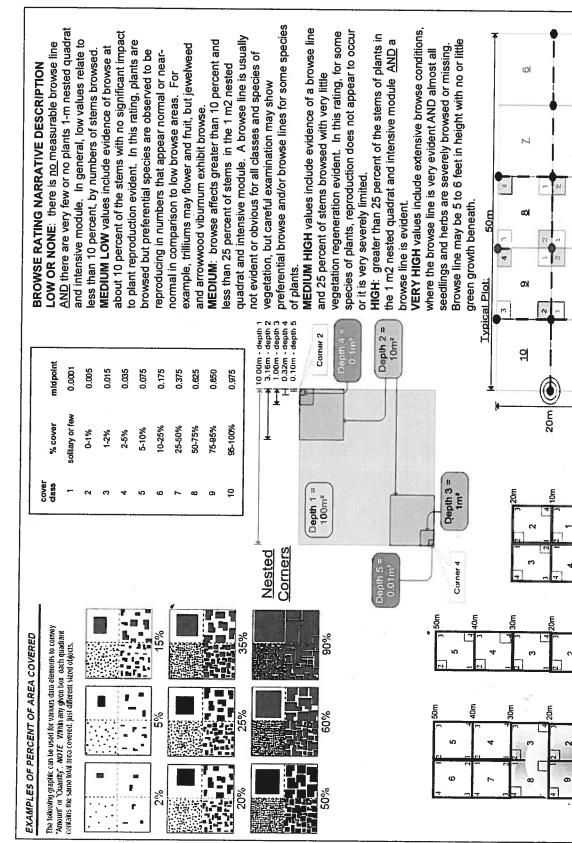


2bCM PCAP Species Cover Data Sheet Back Page\_ver 1.3.ppt

	Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project Label: PCAP	ment Program Specie Proiect name:	es Cover Data Sho 01 N ⊂ Zo₁3	et 2a		Page 3 of	W
	Total modules:	6	Intensive modules:	4 Plot con	on:	Plot area (ha):	(ha): 0.06	
	9	ya.	Estimate for each	mod comer mod comer	mod comer mod come	r mod comer mod comer mod	corner mod corner	mod come
	Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	intensive module:	depth cov depth cov	depth cov depth cov depth	cov depth	cov depth cov	
	Metroparks	entire plot	%unvegetated open water					
	Strata - Cov. entire plot		%unveg. ground (bare soil) %unveg. litter (bare litter)			4 4		
	T S H (F)(A) Br	r Species		depth cov depth cov	depth cov depth cov depth	cov depth cov depth	cov depth cov	denth
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320		Pilea pumila	3 10				-	
11		dicat 2 Executives his	mo (3-1450-52			1		
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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



Natural Resources Management FORM NR/2010-02b

Intensive Corner

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Module Number

Plot Origin

0

KEY:

Om baseline

Post

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41

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

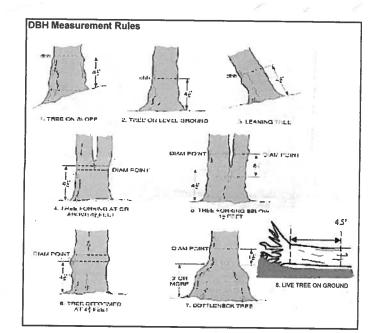
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9

mod # CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet دو ىر Explain subsample (additional room on back) Vitis acatavalis אחלים לעוחיץ Romy Seroting Parthenoussiss quinquebli Reer Sacchasian Vitio assimplis Francia generalianian raways 30 Acer sollhown Vitis oestavalis L. moderation tolighers Standian dead Berberis thunbergi Whose was diot 1 Traxinos pensylvanica Standian dead Joxica Jenton Cadicans Linder benzoin Lindendan Tolin Fuzz Acer socchown Linder benzaio Diezad vagoir Krayinus Sp. Project Label: PCAP DAMA23 voucher# 9 # Q 0 9) () M # stems browsed 0-1.4m or super sample % sub Project Name: () NC2013 clumps shrub -1 size class (cm) woody stems >1.4m 0 <u>م</u> 0 6 1-<2.5 : 1 00 :I 0 0 2.5-<5 Plot No .: 13-18 :1 . 5-<10 :1 10 - <15 ເກ 15 - <20 თ 20 - <25 Page: 25 - <30 30 - <35 앜 Glereland Retroparks 35 - <40 5 ای دیو س >40 (record each tree) =



### **Woody Stem Deer Browse**

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

Record using the tally system from 1 to













### **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.



В

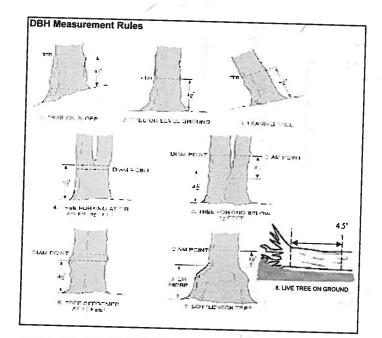
D

# ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 01 U. Faxinus 50. Robins Serotina Crestowy's 20 Gordherous as quinquesdus Vitis aestalalis Analanchier sp. Standing deed Francis Gensylvanias Explain subsample (additional room on back): Unknown woods disat " Vitas oresiments Standing clead Aces Succlasion Promos Sorotina Francinos Sp. Acer Cubrum Rushanoussus quinquestis Linder benzoin SECURITY CHOIXED Lindera benzoin Rostharassuss granguesola hour southwarm Litraduction Yulipitan Project Label: PCAP voucher# ... 以以 browsed 0-1.4m # sterns or super % sub Project Name: ON NC 2013 clumps size class (cm) woody stems >1.4m <u>수</u> 区 0 9 1-<2.5 0 0 2.5-<5 Plot No.: 1348 0 5-<10 10 - <15 | 15 - <20 20 - <25 Page: 2 25 - <30 30 - <35 앜 Oceretand Metroparks 35 - <40 3,77 919 >40 (record each tree) =



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C

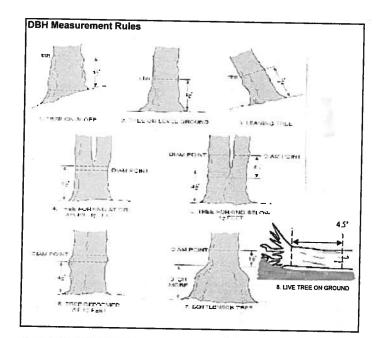
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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 6 mod # ဂေ 6 Panis Serama Explain subsample (additional room on back) Francous 70. Ligustryn Vulgar DAMOON WEED OF OF Standing dead Lindera benzoin Carpinus Caroliniana Acer Seconsium indeadan tollofter Jitis destantis Project Label: o PCAP voucher# 过。 °. 図 0 browsed 0-1.4m # stems or super sample % sub Project Name: ONC2013 N clumps shrub size class (cm) woody stems >1.4m <u>ላ</u> 1-<2.5 2.5-<5 Plot No: 1348 5-<10 10 - <15 15 - <20 20 - <25 Page: 25 - <30 30 - <35 앜 Ocieveland Metropaiks 35 - <40 ō >40 (record each tree) =



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С

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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)

24 23

21

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

19

Tier 1: Early detection	on/ Rapid response		Di	resenc	0	CDC	
	2462	NE	SE	SW		GPS	
Microstegium vimineum	Japanese stiltgrass	1112	36	34	1400		Presence
Ranunculus ficaria	Lesser Celandine	+-	+		<del></del>		X: yes
Cynanchum louiseae (vine	e) Black Swallow-wort	_	+	+-	+		
	d) Flowering Rush	_	+	+-			
Heracleum mantegazzianum	Giant Hogweed	+	┰	$\dashv$	<del></del>	<del></del>	<b></b>
Tier 2: Assess			# 0	f Plan	te		
	Secretary of many and secretary and an arrangement	NE	SE	sw		comments	
Acer platanoides	Norway Maple	1.42	132	300	1400	Marie Published Street,	# of Plant
Ailanthus altissima	Tree of Heaven	+-	+	+	+		1: 1-10
Lonicera japonica (vine		+	╁╾	_	+		2: 11-50
Lythrum salicaria (wetland		+	┼	+-	<del></del>		3: 51-10
Aegopodium podagraria (G-cover		+-	+-	+-			4: 101-1,0
Celastrus orbiculatus (vine		+-	+-	+-	+ -	CUr II OF TO	5: >1,00
Torilis sp.	Hedgeparsley	┾╄	+	+	+ 7 -	5KE11-27-13	<b></b>
Conium maculatum	Poison Hemlock	+-	+-	+-			
Rhamnus cathartica	Common Buckthorn (shrub)	+-	+-	+	<del>                                     </del>		
Berberis thunbergii	Japanese Barberry (shrub)	_	+-	+-	╅╌┤		
Alnus glutinosa	European Alder	<del>  '</del> -	┼─-	+	+		_
Dipsacus laciniatus	Cut-leaf Teasel	┼	├	╂	╂		_
laeagnus umbellata		$\vdash$	┼-	+-			
onicera maackii	(517.4.2)	-	-	┼—	+		_
uonymus fortunei	Amur Honeysuckie (shrub) Wintercreeper		-	+			
Tier 3: Presence i	s of Interest		44 - 6	1			
	and the second s	NE		Plant	7	comments	
onvallaria majalis (G-cover)	Lily of the Valley	IAE	SE	SW	NW	player Sakoria Insula se curile	# of Plants
oronilla varia (G-cover)	Crown Vetch		_	┼	+		1: 1-10
leutherococcus pentaphyllus				├	+		2: 11-50.
achysandra terminalis (G-cover)	(**************************************		├—	┼—	+		3: 51-100
hiladelphus coronarius				-	+		4: 101-1,00
	Mock Orange (shrub) Lungwort			<del> </del> _	-		5: >1,000
ubus phoenicolasius	Wineberry			-	$\longrightarrow$		
	Yellow Flag Iris			<b> </b>	<del>  </del> -		
rnithogalum umbellatum	Star of Bethlehem			<u> </u>			
burnum opulus var. opulus				<b>-</b>	<del>                                     </del>		
burnum plicatum	- 11 40 100			<u> </u>	<del> </del>		
Tier 4: Widespread a	Doublefile Viburnum (shrub)						
The state of the s		us I		ence		comments	
liaria petiolata	Garlic Mustard			SW	NW		# of Plants
ustrum vulgare		4	3	5			1: 1-10
morrowii, L. tatarica	2 1 11	<del>'</del>	2	4			2: 11-50.
1	Bush Honeysuckles (shrub)	2	1		<u> </u>		3: 51-100
	Reed Canarygrass Phragmites		$-\!\!\!\!-\!\!\!\!\!-$	-			4: 101-1,000
							5: >1,000
	Japanese Knotweed		11.				
	Glossy Buckthorn (shrub)	3	U	1	1		]
ha and the second	Multiflora Rose (shrub)	2	/				]
diameter and a	Cattails (wetland)	$-\!$					7
	Canada thistle						7
	Common Teasel	$\bot$		$\Box$			1
	Dame's Rocket	1	_ [		T		1
ca minor (G-cover)	Periwinkle						

4bCM PCAP Invasive species datasheet.xls last revised 6/11/2012 ceh

Natural Resource				$\perp 11$	70.50	∜ revised 5/29/2012 c	eel Page 1_ver 3.xls las	th Surface Data sh	SaCM PCAP Plant Cover_Earth Surface Data sheet Page 1_ver 3.xts last revised 5/29/2012 co	
			\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -		)gregated.	ers but counts are ag	TH nested quadrat com	are counted in BO	NOTE: fussock and hummocks are counted in BOTH nested quadral comers but counts are aggregated.	
									•	
	0	اد	-	1	N	-	3		-,	
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	(runk)	(rank)	(count)	(count)	(count)	(count)	(count)	(count)	mod# corner	_
	m01x01	10v10m	10×10m	10x10m	10x10m	10x10m	3.16x3 16m	lxlm		
9	SLOPE	depth 1	depth 1	depth 1	depth 1	depth 1	depth 2	depth 3		
* *				2014			uplands (Tip-Ups)			
11		interspers.	>40 cm	(12-40cm)	(2-12 cm)	depressions	hummocks	tussocks		
7 7 7 7	nucrohab.	microhab.	c.w.d	c.w.d	c.w.d	no. macro.	no of	no, of		
Module		3	c.w.d count for pieces with minimum 1m length	it for pieces with r	c.w.d coun					-
CROWN COVER (DENSIOMETE readings per module facing N. S. E. V. corresonding space. (4 dots per grid					rest quality	on, of low quality small amounts of high	wetland nounts or if more commo of highest quality, or in s	lly absent from the v ind in very small am is amounts, but not o	0 feature is absent or functionally absent from the wetland 3 feature is present in the wetland in very small amounts or if more common, of low quality 7 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	
	atures present -45°	zally gets ranked based on steepness (1-3) to begin + any feature Slope 3 ≈ maximum steepness that can be salely sampled −45°	lesed on steepness. um steepness that c	tically gets ranked b Stope 3 ≈ maxim	falls on a slope automa ope ~20°	score.NOTE: If mod fells on a : Stope 2 = falls on stope ~20 °	ct two and average the s	Select one or select e across module (h	Ranks for nucrohabitat features. Select one or select two and average the score.NOTE: If mod falls on a slope automatically gets ranked based on steepness (1-3) to begin + any features present Slope 1 = sight elevational grade across module (hill) Slope 2 = falls on slope -20° Slope 3 = maximum sleepness that can be safely sampled -45°	
						odules only	NTS - Intensive m	EATURE COU	MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only	7
		Fit= Conf=	tall sh. fen	np tall sh bog to	o SHRUB a shrub swamp a tall sh bog a tall sh fen	0	5.84		et.	ř
"Terrain Shape Index (site microtopographi		Fit Conf	open bog	rest to bog forest to I	□ FOREST □ swamp forest □ bog forest □ forest seep □ EMERGENT □ marsh □ wet meadow □ open bog	0 0				
+315 degrees NW			(WETLANDS ON	Community Class	Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	<u>a</u>				
+270 degrees W		Fil= Conf=	otrophic)	rately, weekly ombi	a BOG (strangly, moderately, weekly ombrotrophic)	]o				
+225 degrees SW	J.	Fit Conf=		ubclass)	□ COASTAL (specify subclass)	0				
+180 degrees S		Fil= Conf		oir 🛮 Natural Lake	n FRINGING n Reservoir n Natural Lake	<u> </u>				_
			acal stop)	vdrology or on a phys	CI SLOPE (ground water hydrology or on a physical slop)	0 (				1
+90 degrees E		Fir Conf	Channel	ater - Mainstern	RIVERINE - Headwater - Managem - Channel	5				-
		l, i		Beaver & Human	o IMPOUNDMENT o Beaver o Human	<u> </u>				_
At aspect		Fire Conf		(WELLANDS VI	Hydrogeomorphic class (WELLANDS ONEX)	, ja				т.
[FILLED OUT USING GIS PROGRAM - DO	2		¥	Confidence	FII = excellent, g Fit and Confidence	2	Corner Corner	C7	Wodule #	12
McNAB INDICES (degrees) + for u				2	CLASSIFICATION	C			collected	0 -
	Ŧ						wetlands); collected in each intensive	ired for emergent om corners 1 and 3	STANDING BIOMASS (required for emergent wetlands); collected in 0.1m clip plots (32x32 cm) from corners 1 and 3 in each intensive modula. Barriand for VIBLE corne colonisation. C'hecheck when	= CO
		Plot No.:			-010	C INC	Project Name:	PCAP	Project Label:	
	X DY	!		rth Surface	ant Cover and Ea	ent Program - PI	munity Assessme	KS Plant Com	CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface	~

@ Gleveland Metroparts Page: 1 of 1

# DICES (degrees) + for up - for down

USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]

+315 degrees	+270 degrees	+225 degrees	+180 degrees	+135 degrees	+90 degrees	+45 degrees	At aspect		
NW	¥	SW	s	SE	ED.	NH	z		
								LFI	
								TSI**	
	away.	cyc of person	recorders eye to	TSI measure	angles formed by local slopes. For	horizon. TSI is	LFI is angle of		Lenn

ape Index (site microtopographic shape)

NWN COVER (DENSIOMETER): Make 4
ngs per module facing N. S. E. W. Place doi count in
sonding space (4 dots per grid square)

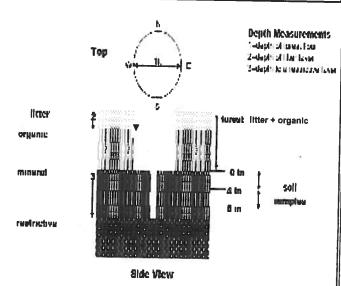
6	4	2 ×	1	Module	200000000000000000000000000000000000000
8	12	20	Ξ	z	Contract of the contract of th
0	Ñ	S)	9	s	9
22	9	ā	7	e	
8	<b>Ø</b>	6	0	€	

### **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

<sup>\*\*\*</sup>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.



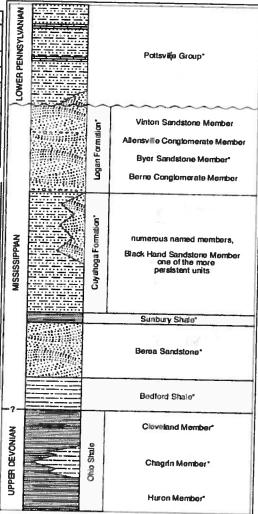


FIGURE 3-20.—Generalized section of Upper Devoman, Missanppian, and Lower Pennsylvanian formations in northeastern Ohio Asterieks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term 'Waverly is used in the cider literature to refer to Missansippian rocks in Ohio. Some geologists use the European term 'Carboniferous, which encompasses the Missansippian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fairly undespread but discontinuous. See Hyde (1953. Hoover (1960), and Colins. 19-9) for more information on Missassippian rocks in Ohio. See figure 3-16 for explanation of rock types.

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Blomass Data Sheet 6a
Project label: PCAP Project Name: 51 NC 2013
Plot No.: 1343

© Gloveland Richoparks

Page: 1 of 1

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

20 cm 5 cm Soil pit module #\_\_\_\_ (one per entire plot) matrix color 1048 4/2 matrix color 10 VR 3/1 hydro. cond.\*\*\* texture\* texture\* redox features\*\* hydr. cond.\*\*\* %mottle oxid roots xid roots edox features\*\* ottle color ottle color N/A スノア I S M D I S (M)D 2 D **②** ➂

\* refer to texture classes on reverse side

\*\* e.g. hydrogen sulfide odor, gleying, etc. I=indundated S=saturated M=moist D=dry

Notes: include evidence of earthworms (worms,

castings, middens)

4 worms fresent and castings

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 A	
Web Soil Survey Information:	•
Soil Series Type Get - Geebirg-News	s silt loams
Soil Series Source: Ohio Soil Survey	
Landform type: Terrace;	
Depth to rest. Layer 80+ 100ncs	10) CM
Parent Material LACUS Air De Deposits	
DRAINAGE*	
Excessively dr.	
well drained Moderately well dr.	
Somewhat poorly dr.     O Very poorly dr.	
□ Impermeable surface	-

38 7-12-13

COVER BY STRATA

%

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

				_		
6	४।	2	Ĭ	mod#		
1.	70,	හ	4 4	(cm)	organic depth	
-	Ŋ	ら	· —	depth (cm)	2 litter	
0	0	Ø	0	(cm)	water depth	
>30.	7305	730.5	<b>305</b>	soil (cm)	depth sat	
•			1			

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	
Underlying Earth Surface*	Surface*	Ground Cover	
(%001 mns)	percent	(Each < 100%)	percent
Histosol	Ø	Coarse Woody Debris***	91
Mıneral Soıl	qq	Fine Woody Debris***	91
Gravel-Cobble*	_	Litter	80
Boulder**	Ø	Duff (Ferm Humus)	Ø,
Bedrock	Q	Bryophyte- Lichen	-
* Gravel-Cobble = 1/16-10*	= 1/16-10*	Water	ଷ
**Boulder > 10 in	in	Bare Soil	t
*** >5 cm m diameter	neter	Road/Trail	ø
**** <5 cm in diameter	meter	Other	Ø

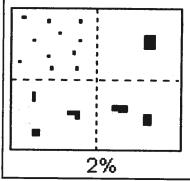
Strata Height Range [m] Total Cover [%]
Tree 7-5m 45%
Shrub .5, -5, 63%
Herb 4.5m 13%
(Floating)*
(Aquatic)*
* rooted and floating or slightly emersed
** submersed, most plant mass below surface
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

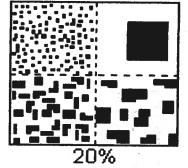
o Deer	Grave	Bodilegunsalctioned	D Hiking sand ione	o Brigdle	o All Purpose	Type \	record type and cover for each	TRAIL INFORMATION:
						%Cover	each	

o processor	3-10 x plot size	□ 10-100 x plot size	□ > 100 × plot size	□ >600 x plot size	STAND SIZE



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





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

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

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;

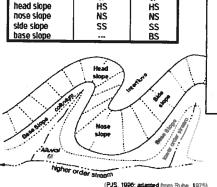
Code

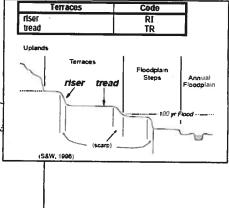
**NASIS** 

IF

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

Interfluve





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

shoulder backslope footslope toeslope	SH BS FS TS		
Su Sh Bs	Fs ggard	Sh Bs	Su
IPJG, 1996; accepted from Rube, 1	Alturium 878		

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.

	FORM B-1: BUFFER SAMPLE PLOTS (Front)  Site ID: PCAP NC 1348  DATE: 071112013																				
Site I	D: P	CAF	N	CI	34	8									DATE	07					
Locatio									Fill	in b	ubb	le(s)	if pl	ot(s	) cou	ld not be	sampled and fl	ag -	<b>→</b>		
@ AAC	enter	0	N	0	S	OE	0	W	OP	lot '	1	OF	Plot 2	2	OP	lot 3					
Fiil In hubble	s for all th	nat ann	olv: Ca	nopy 7	Type:	D = D	eclduous	F = Evenn	Buffer en, Leaf T	vne: B	t = Bm	adleaf	N = N	leedle	Leaf. A	bsent: No tree	e canopy.				
Strata Section	on: Fili in a	approp	riate d	overc	lass b	ubble	for each	strata type fo	or each plo	t. 0 = /	Absen	t; 1 = 5	parse(	<10%	); 2=Ma	derate(10-40°	%); 3 = Heavy (40-75%)	4 = V	егу Не	avy (>	·75%)
Buffer	Canopy	у Тур	e: <b>(</b>	) (	) At	sent	: O	Buffer	Canop		$-\bar{z}$			sent	: O	Buffer	Canopy Type: 🕞	0	Ab	sent:	0
Plot 1	Lea	f Typ	e: <b>(</b>	) (		_	Flag	Plot 2	Lea	f Typ	e: (b				Flag	Plot 3	Leaf Type:	$\odot$	$\perp$		Flag
Big Trees (>	0.3m DBH)	0		<u> </u>	0	0		Big Trees (	>0.3m DBH)	0	0	0	=	<u> </u>		Big Trees	(>0.3m DBH) ( )	9	의	<u> </u>	
mall Trees (<	0.3m DBH)	0	0	0	0			Small Trees (		0	0	0	-	<u> </u>		Small Trees		9	<u> </u>	<u> </u>	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0		0	0		Woody Shrub (0.5n	s, Saplings 1-5m HIGH)	0	0	0	0	<u> </u>		(0.5	bs, Saplings m-5m HIGH)	0	<u> </u>	<u> </u>	
Voody Shrubs (<0.	, Saplings .5m HIGH)	0		0	0	0		Woody Shrub (<	s, Saplings ).5m HIGH)	0	0	0	0	0			(0.5m HIGH)	0	<u> </u>	0	
Herbs, F	orbs and Grasses	0	0		0	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0	<u> </u>	<u> </u>	
Bare	ground		0	0	0	0		Bar	ground	0	0	0	0	0		Bar	e ground ① ①	0	0	<u> </u>	
Lit	ter, duff	0	0	0	0			Li	tter, duff	0	0	0	0	0		L	itter, duff 💿 🕦	0	0	0	
	Rock	0	Ō	0	0	0			Rock	0	0	0	0	0			Rock ① ①	0	0	0	
	Water		Ō	0	0	Ō			Water	0	0	0	0	0			Water 💿 🕦	0	0	0	
	bmerged		Ö	0	0	0			ubmerged	0	0	0	Ō	Ō			Submerged O O	0	0	0	
Vegetation												s bub	ble.	D							
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural St																					
				1	2	3	Flag	Fill bubbl		-		1	2	3	Flag	Fiii bubble	e If present - Piot	1	2	3	Flag
					0		Ditches, C	hanneliz	ation		0	0	0		Pasture/Ha	ay	0	0	0		
Road - gravel O O O  Road - two lane O O O						Dike/Dam	/Road/RF			0	0	0		Range		0	0	0			
Road - for	ur lane	419,5	a = /1	0	0	O		(IMPEDE FLOW) Water Level Control Structure				-	0	0		Row Crops	THE PERSON	0	0	0	
Parking L	ot/Paver	nent		0	0	O		Excavation, Dredging				0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0	
Golf Cour	se			0	ō	0		Fill/Spoil I	Banks			0	0	0		Fallow Fiel	allow Field (OLD - GRASS, HRUBS, TREES)			0	
Lawn/Parl	k			0	0	0		Freshly D		Sedir	nent	0	0	0		Nursery				0	
Suburban	Resider	ntial		0	0	0		Soil Loss		osure	•	0	0	0		Dairy	0	0	0		
Urban/Mu	Itifamily			0	0	0		Wall/Ripra	ap			0	0	0		Orchard		0	0	0	
Landfill		M	No.	0	0	0		Inlets, Ou	tlets			0	0	0		Confined A	Animal Feeding	0	0	의	
Dumping				0	0	0		Point Sou (EFFLUENT	OR STORM	WATE	R)	0	0	0		Rural Resi	dential	0	0	의	
Trash				0	0	0		(SHEETFLO	s surface	inpu	t	0	0	0		Gravel Pit		0	0	0	
Other:		o II de		0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:		0	0	0	
Indu	strial C	evel	lopm	ent :	Stres	ssor	8						Habit	at/V	egeta	tion Stres	sors				
Fiii bubbi	e If pres	ent -	Piot	1	2	3	Fiag	Fiii bubbi	e if prese	ent -	Piot	1	2	3	Fiag	Fiii bubb	ole if present - Plot	1	2	3	Flag
Oil Drilling	9			0	0	0		Forest Cle	ar Cut			0	0	0		Herbicide (	Jse	0	0	0	
Gas Well	s			0	0	0		Forest Sel	ective Cu	t		0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surface)						Tree Plant	ation		147	0	0	0		Trails	k-comercial.	0	0	0	- 1		
Mine (underground)					Tree Cano		ory		0	0	0		Soil Compa	action (UMAN)	0	0	0				
					Shrub Lay		ed	180	0	0	0			hicle damage	0	0	0				
					(WILD OR DO	zed Gras	ses		0	0	0		Soil erosio	n (FROM WIND, WATER,	0	0	0				
O O O Re					Recently E		rest		0	0	0		OR OVERUSE) Other:			0	0				
Other: 0 0 0					Canopy Recently E		assla	nd	0	0	0		Other:			Ö	0				
Other: OOOO						0 11 = 4	(BLACKENED	)			_			igned b		rew.				10	
						Exc	ila nisic	flags in com	ment secti	on on	the b	ack of	this fo	)m	.g.104 1	, 525 11010 (	242	8168	304		
Barrer and E	Buffer Sa	ımple	: riot:	o U	0/4//	COTT		1.4								(V)					

Site ID:					ER SAMPLE PLOTS -					Reviewed t	y (initia	al):		•
			_				_			1.1.2.0.1.3				
		ed da	ata b		ndicates presence and an uni	filled	bubb	ie ind	dicates	s absence by filling in this bub	bie			
Fill bubble if present - Plot	├	2	3	Flag	Fili bubble if present - Plot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Fla
Eurasian Watermilfoil	0	0	0	-	Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant SalvInla	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard		0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemiock	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		Ö	
		5/15								Other:	0	0	3	
			111		PLOT COORE	INA	TES	Di				$\sim$ 1	<u> </u>	
Latitude N	orth	4	1	. 5	5.7.88 Use Decimal Degre	Long	gitud NADI	e W	est (	0.8.1.4.1.5.4.	5.			
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														_
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													-	
														$\neg$
Buffer Sample Poir	nts - 7	arge	ted A	Mien Sp	ecies 05/27/2011					7966	6235	548		

FORM B-1: BUFFER SAMPLE PLOTS (Front)  Reviewed by (Initial):  DATE: 0 7 1 1 2 0 1 3																					
Site ID:	1	16	13	48								DATE	:07	111	2	O.	1 3				
Location:	- ANG							FIII	in b	ubb	le(s)	if pl	ot(s	) cou	ld not be	sampled a	and f	ag -	<b>→</b>	_	
O AA Center	0	N	0	S	OE	0	W	OP	lot '	1	01	Plot	2	OP	lot 3						Щ
Fill in bubbles for all tha		C-		Time:	D = D	aalduau	e: E - Evere	Buffer	Nati	ural	Cov	er St	rata	l leaf A	hsent: No free	canony.					
Strata Section: Fill in a	pprop	oriate d	over c	lass b	oubble	for each	s, E = Evergin	or each plo	t. 0 =	Absen	t; 1 = 5	Sparse	(<10%	b); 2=Mo	derate(10-409	%); 3 = Heavy (4	0-75%)	; 4 = V	ery He	avy (>	75%)
Buffer Canopy	Тур	e: <b>(</b>	) (	) At	seni	: O	Buffer	Canopy	у Тур	e: <b>(</b>	•	) Ab	sent	: 0	Buffer	Canopy Ty	oe: 🕡	0	Abs	sent:	0
Plot 1 Leaf	Тур	e: <b>(</b>	) (			Flag	Plot 2	Lea	f Тур	e: 🌘				Flag	Plot 3	Leaf Ty	e: 📵	<u> </u>	Ļ		Flag
Big Trees (>0.3m DBH)	0	0		0	0		Big Trees (	>0.3m DBH)	0	0	<b>9</b>	0	0	-	Big Trees	(>0.3m DBH)			0	<u> </u>	
imall Trees (<0.3m DBH)	0	0	0	0			Small Trees	(<0.3m DBH)	0		0	0	0		Small Trees	(<0.3m DBH)			0	<u> </u>	
Woody Shrubs, Saplings (0.5m-5m HIGH)	0	0	<b>9</b>	0	0		Woody Shrul (0.5r	os, Saplings n-5m HIGH)	0	8	9	0	0			bs, Saplings m-5m HIGH)		0	0	0	
Woody Shrubs, Saplings (<0.5m HIGH)	0	(8)	0	0	0		Woody Shrul	os, Saplings 0.5m HIGH)	0		0	0	0		Woody Shru (<	bs, Saplings (0.5m HIGH)		0	<b>Q</b>	0	
Herbs, Forbs and Grasses	0	(6)	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs	Forbs and Grasses	0	0	•	0	
Bare ground	0	0	0	0	0		Bar	e ground	0	1	1	0	0	-	Bar	e ground 🕝		0	0	0	
Litter, duff	$\overline{\odot}$	Ō	0	0	0		L	itter, duff	0	1	0	0	0		L	itter, duff	0	<b>(4)</b>	0	0	
Rock	<u> </u>	Ō	0	0	0		-	Rock	0	0	0		0			Rock @	0	0	0	0	
Water		Ö	0	0	0			Water		0	0	0	Ō			Water ©		0	0	Ö	
Submerged		<b> </b>	<del>  _</del>	<u> </u>	<del>  ~</del>			ubmerged	0	$\overline{0}$	0	0	<u></u>			Submerged	0	0	0	Ŏ	
Vegetation												s bub		9							
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																					
	3	Flag	FIII bubb			_	1	2	3	Flag	Fill bubble	e If present -	Plot	1	2	3	Flag				
Fill bubble if present - Plot 1 2 3 Flat Road - gravel OOO						1109		175			0	0	0		Pasture/Ha	av		0	0	o	
Road - two lane	100		0	0	0		Dike/Dam	Ditches, Channelization Dike/Dam/Road/RR Bed				0	O		Range			Ō	ō	0	
Road - four lane		y . 1	0	0	0		Water Le		ol Str	ucture	0	0	ō		Row Crops			0	0	o	
Parking Lot/Pavem	ent		0	0	0		Excavation	n, Dredgi	ng		0	ō	0		Fallow Fiel	d (RECENT-RES	TING	0	0	o	
Golf Course		77	0	ō	0		Fill/Spoil	Banks			0	ō	0			d (OLD - GRASS		0	0	O	
Lawn/Park			0	ō	0		Freshly D		Sedir	nent	0	0	0		Nursery			0	0	O	
Suburban Residen	tial		0	0	0		Soil Loss		osur	9	0	0	0		Dairy			0	0	0	
Urban/Multifamily			0	0	0		Wall/Ripr	ар			0	0	0		Orchard			0	0	0	
Landfill		H/A	0	0	0		Inlets, Ou	ıtiets			0	0	0		Confined A	Animal Feedin	g	0	0	0	
Dumping			0	0	0		Point Sou	rce/Pipe or storm	WATE	R)	0	0	0		Rural Resi	dential		0	0	0	
Trash			0	0	0		(SHEETFLO	is surface	inpu	ť	0	0	0		Gravel Pit			0	0	0	
Other:			0	0	0		Other:			V4.25	0	0	0		Irrigation			0	0	0	
Other:			0	0	0		Other:				0	0	0		Other:			0	0	0	
Industrial D	evel	opm	ent	Stre	ssor	s						Habi	tat/V	egeta	tion Stres	sors					
Fili bubble if prese	ent -	Piot	1	2	3	Fiag	Fili bubbi	e if prese	ent -	Piot	1	2	3	Fiag	Fill bubb	ie if present	- Piot	1	2	3	Flag
Oil Drilling	1		0	0	0		Forest Cle	ar Cut			0	0	0		Herbicide (	Jse		0	0	0	
Gas Wells			0	0	0		Forest Sel	ective Cu	t		0	0	0		Mowing/Sh	rub Cutting		0	0	0	
Mine (surface)	DEV.		0	0	0		Tree Plant	ation	Rei	7	0	0	0		Trails	THE TAKE		0	0	0	1
Mine (underground	1)	_	0	0	0	<b></b>	Tree Cand	py Herbiv	ory		0	0	0		Soil Compa			0	0	0	
Military			0	0	0		Shrub Lay	er Browse	ed		1	0	•			hicle damage		0	0	0	
			6	-	0		WILD OR DO	zed Gras	ses		0	0	0		Soil erosio	n (FROM WIND,	VATER,	0	0	0	
Other:		_		0	+		(OVERALL <* HIGH) Recently Burned Forest				0	0	0		OR OVERUSE Other:			0	0	0	
Other:	-	_	0	0	0	-	Canopy Recently Burned Grassland					0	0		Other: 0 0 0						
						(BLACKENED	0)			O		-	igned h		rew.						
Flag codes Buffer Sar					Ext	lla nisto	flags in com	ment secti	on or	the b	ack of	this fo	,,, ass	U	, out indicate	linker.	242	816	3304		
Duite: 301				, /		COLUMN TO SERVICE STATE OF THE	1000						-								

						FER SAMPLE PLOTS -					Reviewed I	y (Initi	as):		
	Site ID:	<u> </u>	AP	N	C 46	\$+ 1348	DAT	ΓE:	0.	71	1.112017				
	© Confirm	a fili	ied d	ata b	ubble i	indicates presence and an un	filled	bubb	ie in	dicates	s absence by filling in this bub	bie			
Fill bub	bie If present - Piot		2	3	Flag		1	2	3	Flag		_	2	12	C.
Eurasia	n Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass		+-	3	Fla
Water I	nyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow	Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	-
Giant S	alvinia	0	0	0		Perennial Pepperweed	0	0	0	_	Common Buckthorn	0	0	0	-
Garlic N	lustard	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-M	Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	_
Birdsfoo	t Trefoil	0	0	0		Common Reed	0	0	0			0	0	0	
Canada	Thistle	0	0	0		Leafy Spurge	0		$\vdash$		Other:	0	0	0	
						Louis Opunge	0	0	0		Other:	0	0	0	
10 715	Harris of the same		(S)     W	- 7		PLOT COORD	_	12.0	- T		Other:	0	0	0	
	CENTER		O S3	(	O E3	5.8.8.5.	Long	itud	e W		and comment below)	1.		Fla	9
Flag	Comments					Use Decimal Degre	es; r	NAD	33						
1	bootleg														613
	Buffer Sample Poin	ts - T	arget	ed A	lien Spa	ecies 05/27/2011					7966	6235	548	•	
	Li	Q V 5	10/4 10/10 10/10	ns		lesn Berben's other morrows			5						

Site ID: PCAP NC 1348  DATE: 071 111 3.0.13  Location: Fill in bubble(s) if plot(s) could not be sampled and flag ->	FORM B-1: BUFFER SAMPLE PLOTS (Front)  Reviewed by (Initial):  DATE: 0 7 1 1 242												
Location:  Cocation:  Cocation:  Cocation:  Cocation:  Fill in bubble(s) if plot(s) could not be sampled and flag →  Cocation:  Coc													
Loudion													
OAA Center ON OS OL OW													
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 He	avy (>75%)												
	sent: O												
Plot 1 Leaf Type: Plot 2 Leaf Type: Plot 3 Leaf Type: Plot 3 Leaf Type: Plot 3	Flag												
Big Trees (>0.3m DBH)	<u> </u>												
mall Trees (<0.3m DBH) ① ① ① ① ① Small Trees (<0.3m DBH) ② ① ① Small Trees (<0.3m DBH) ② ① ②	0												
Woody Shrubs, Saplings (0.5m-5m HIGH) O O Woody Shrubs, Saplings (0.5m-5m HIGH) O O O O O O O O O O O O O O O O O O O	0												
Woody Shrubs, Saplings Woody Shrubs, Woody Shrubs, Woody Shrubs, Woody Shrubs, Woody Shrubs	0												
Herbs, Forbs and  Herbs, H	0												
Bare ground ① ① ① ① ① ① Bare ground ② ② ② ① ① Bare ground ② ① ② ②	0												
Litter, duff O O O O Litter, duff O O O O O Litter, duff O O O O	0												
Rock (O) (B) (O) (O) (O) (O) (O) (O) (O) (O) (O) (O	0												
Water	0												
Submerged Submer	0												
Vegetation													
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stres													
Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2	3 Flag												
Fill bubble il present - riot	0												
Road by lane O Dike/Dam/Road/RR Bed O O Range O O	0												
Road - four lane OOO Water Level Control Structure OOO Row Crops OO	0												
Parking Lot/Pavement O O O Excavation, Dredging O O O Fallow Field (RECENT-RESTING O O	0												
Golf Course OOO Fill/Spoil Banks OOO Fallow Field (OLD - GRASS, OO	0												
Lawn/Park O O O Freshly Deposited Sediment O O O Nursery O O	0												
Suburban Residential O O O Soil Loss/Root Exposure O O O Dairy O O	0												
Urban/Multifamily OOO Wall/Riprap OOOO Orchard OO	0												
Landfill OOO Inlets, Outlets OOO Confined Animal Feeding OO	0												
Dumping OOO Point Source/Pipe (EFFLUENT OR STORMWATER) OOO Rural Residential OO	0												
Trash    O   Impervious surface input   O   O   Gravel Pit   O   O	0												
Other: O O O Other: O O O Irrigation O O	0												
Other: O O O Other: O O O Other: O O	0												
Industrial Development Stressors  Habitat/Vegetation Stressors													
Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2	3 Flag												
Oil Drilling OOO Forest Clear Cut OOO Herbicide Use OO	0												
Gas Wells OOO Forest Selective Cut OOO Mowing/Shrub Cutting O	0												
Mine (surface) OOO Tree Plantation OOO Trails OO	0												
Mine (underground)  OOO  Tree Canopy Herbivory OOO  Soil Compaction (ANIMAL OR HUMAN)  OOO	0												
Military OOO Shrub Layer Browsed OOO Offroad vehicle damage OO	0												
Other: OOO O Highly Grazed Grasses OOO Soil erosion (FROM WIND, WATER, OOO OWERUSE)	0												
OUR OVERVEE STRICT	0												
Recently Burned Forest   O   O   Other:													
Other: OOO ORecently Burned Forest OOO Other: OOO	0												
Other: OOOO Recently Burned Forest OOO Other: OOO													

Fili bubble if present - Plot 1  Eurasian Watermilfoil O  Water hyacinth O  Yellow Floating Heart O  Giant Salvinia O  Garlic Mustard O  Poison Hemlock O  Birdsfoot Trefoil O  Canada Thistle O  Provide GPS coordinates at the cellocation of the plot coordinates by	2 0 0 0 0 0 0	3 Fiag O O O O O O O O O O O O O O O O O O O		nfilled		-		absence by filling in this bub Fill bubble if present - Plot Johnson Grass Kudzu Multiflora Rose	1 O	2 O	3 O O	Flag
Fill bubble if present - Plot 1  Eurasian Watermilfoil O  Water hyacinth O  Yellow Floating Heart O  Giant Salvinia O  Garlic Mustard O  Poison Hemlock O  Birdsfoot Trefoll O  Canada Thistle O  Provide GPS coordinates at the cellocation of the plot coordinates by the coordinates of the coordinates	2 0 0 0 0 0 0	3 Flag O O O O O O O O O O O	Purple Loosestrife Knotweed Japanese Knotweed Perennial Pepperweed Giant Reed Cheatgrass Reed Canary Grass	0 0 0 0 0	2 0 0 0	3 O O		Fill bubble if present - Plot Johnson Grass Kudzu	1 0 0	0	0	Flag
Water hyacinth  Yellow Floating Heart  Giant SalvInia  Garlic Mustard  Poison Hemlock  Mile-A-Minute Weed  Birdsfoot Trefoll	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Knotweed  Japanese Knotweed  Perennial Pepperweed  Giant Reed  Cheatgrass  Reed Canary Grass	0 0 0 0	0 0	0		Kudzu	0	0	0	
Yellow Floating Heart  Giant SalvInia  Garlic Mustard  Poison Hemlock  Mile-A-Minute Weed  Birdsfoot Trefoll  Canada Thistle  Provide GPS coordinates at the cellocation of the plot coordinates by	00000	0 0 0 0 0 0 0	Japanese Knotweed Perennial Pepperweed Giant Reed Cheatgrass Reed Canary Grass	0 0 0	0	0			0	0	$\vdash$	
Giant Salvinia  Garlic Mustard  Poison Hemlock  Mile-A-Minute Weed  Birdsfoot Trefoll  Canada Thistle  O  Provide GPS coordinates at the cellocation of the plot coordinates by	0 0 0 0	0 0 0 0 0	Perennial Pepperweed  Giant Reed  Cheatgrass  Reed Canary Grass	0 0	0	-		Multiflora Rose		_	$\vdash$	
Garlic Mustard  Poison Hemlock  Mile-A-Minute Weed  Birdsfoot Trefoll  Canada Thistle  O  Provide GPS coordinates at the cellocation of the plot coordinates by	0000	0 0 0	Giant Reed Cheatgrass Reed Canary Grass	0	_	0				0	0	
Poison Hemlock  Mile-A-Minute Weed  Birdsfoot Trefoll  Canada Thistle  O  Provide GPS coordinates at the cellocation of the plot coordinates by	0 0 0	0 0	Cheatgrass Reed Canary Grass	0	0			Common Buckthorn	0	0	0	-
Mile-A-Minute Weed  Birdsfoot Trefoll  Canada Thistle  O  Provide GPS coordinates at the cellocation of the plot coordinates by the coordinates of the plot coordinates of the	0 0 0	0	Reed Canary Grass	+	+	0		Himalayan Blackberry	0	0	0	
Birdsfoot Trefoll  Canada Thistle  O  Provide GPS coordinates at the ce location of the plot coordinates by	0	0		0	0	0		Tamarisk	0	0	0	
Canada Thistle  O  Provide GPS coordinates at the ce location of the plot coordinates by	0		Common Reed		0	0		Other:	0	0	ö	
Provide GPS coordinates at the ce location of the plot coordinates by		0		0	0	0		Other:	0	0	ö	
			Leafy Spurge	0	0	0		Other:	0	0	0	
					_			Other:	0	0	<u></u>	
			PLOT COOR	DINA	TES						9	
Latitude North	4	1.5	5.7.8.7. Use Decimal Deg	Lon	gitud NAD	le W	est <u></u>	0.8.1.4.4.	6.			
Flag Comments							The pro-		112-			
1 Could not	d	0 BU	Ger 3, It wa	50	n c	200	rate.	property				
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	FORM B-1: BUFFER SAMPLE PLOTS (Front)  Reviewed by (Initial):  DATE: 0.7   1.1   2.0   3.																				
Site I	D: P	CA	PN	CI.	34	8					-				DATE:	0.7	1112	20	3		
Locatio	on:								FIII	In b	ubb	le(s)	if pl	ot(s	) cou	d not be	sampled and	flag -	<b>→</b>		
OAAC	enter	0	N	0	S	OE	0		OP				Plot 2		OP	lot 3					
Fill in bubble Strata Section	es for all th on: Fill in a	at app	ly: Ca	nopy cover o	Type: ( lass b	) = D ubble	eciduous for each	·· E – Evome	<b>Buffer</b> en. Leaf T or each plo	me. B	= Bm	adles	N = N	elbeel	Leaf Al	osent: No tree derate(10-409	e canopy. %); 3 = Heavy (40-75°	%); 4 = V	ery He	avy (	>75%)
Buffer	Canopy	/ Typ	e: <b>(</b>	) (	) Ab	sent	: O	Buffer	Canopy	/ Typ	e: <b>(</b>	(	) Ab	sent	0	Buffer	Canopy Type: (	<u> </u>	Abs	ent:	0
Plot 1	Lea	f Typ	e: <b>(</b>	) (			Flag	Plot 2	Lea	f Typ	e: <b>(</b>	) C			Flag	Plot 3	Leaf Type: (	<u> </u>	L		Flag
Big Trees (>	0.3m DBH)	0	0	0		0		Big Trees (	0.3m DBH)	0	0	0	0	9		Big Trees	(>0.3m DBH)		0	<u> </u>	
Small Trees (<	:0.3m DBH)	0	0	0	•	0		Small Trees (	<0.3m DBH)	0	0	0		0		Small Trees	(<0.3m DBH)		0	9	
Woody Shrubs	s, Saplings 5m HIGH)	0	<b>(2)</b>	0	0	0		Woody Shrub	s, Saplings n-5m HIGH)	0	0	•	0	0			ubs, Saplings im-5m HIGH)			0	
Woody Shrubs	s, Saplings	0	0	0	0	0		Woody Shrub		0	0	0	0	0			bs, Saplings 0.5m HIGH)	0	0	0	
	orbs and	0	0		Ō	0			Forbs and	Ō	0	0	0	0		Herbs	Forbs and Grasses		0	0	
Bare	Grasses		0	0	0	$\frac{9}{0}$		Bar	Grasses e ground		•	0	0	ŏ		Bai	re ground	1 = 1	0	0	
	ter, duff	0	0	0	0				itter, duff	0	0	0	<u></u>			· ·	itter, duff 💿 🕻		Ō	•	
			=	0	0	0	-		Rock	0		0	ŏ	ŏ			Rock (		0	Ŏ	
	Rock	4	0	1		00	<u> </u>		Water		0	0	0	0			Water	<del>                                     </del>	<u></u>	ŏ	
Si	Water		0	0	0			S	ubmerged		-	$\sim$		$\frac{0}{0}$			Submerged (		싫	ਨੀ	
Submerged Vegetation V													_1	0							
Residential and Urban Stressors  Hydrology Stressors  Agricultural & Rural Stressors																					
Residential and orban outsets													Flag								
										FIOL			0	, tag	Pasture/H		0	0	o		
Road - gr				-	+			Ditches, Channelization Dike/Dam/Road/RR Bed				18	0	0		Range	ау	0	0	0	
Road - tw	-	10		0	10	0		(IMPEDE FL	OW)			0	-	0		Row Crops	8	0	0	ö	
Road - for	-			16	10	0	-	Water Lev	-		JCture	0	0	0		Fallow Fie	Id (RECENT-RESTING	0	0	ö	
Parking L		nent		10	0	0		Excavatio		ilg		0		0		Fallow Fle	ROW CROP FIELD) Fallow Field (OLD - GRASS, SHRUBS, TREES)			0	
Golf Cour		-		10	10	0	-	Fill/Spoil I Freshly D		Sedir	nent	10	0	0			EES)	0	0	ö	-
Lawn/Par		-A'-4		10	10	0	<u> </u>	Soil Loss		osur	9	6	0	0		Dairy	Nursery			0	
Suburban	200	ntiai		0	0	0	<u> </u>	Wall/Ripra	100			tö	0	0		Orchard		0	0	ŏ	
Urban/Mu	ittiramily		-	0	9	0		Inlets, Ou			-	10	+ -	0			Animal Feeding	0	Ö	0	
Landfill				10	10	9	_	Point Sou	rce/Pipe			0	1	0		Rural Res		0	ŏ	0	
Dumping			_	0	0	9		(EFFLUENT Imperviou	is surface	WATE inpu	R)	0	+	0		Gravel Pit		0	Ö	Ö	
Trash			5577	0	0	00	-	(SHEETFLO				. 0		0		Irrigation		0	ō	0	
Other: _		_		0	0	-	-	Other:					-	0				0	0	0	_
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	ıstrial C	- 125		-	1	3	Fiag	Fili bubbi	o if proce	unt -	Piot	_	2	3	Flag		ble if present - Pi	ot 1	2	3	Flag
Oil Drilling		ent -	PIO	6	0	0	riag	Forest Cle	d fine	-	riot	0	0	0	, iug	Herbicide		0	0	0	
Gas Well				0	0	0		Forest Sel		ıt		0	0	0		Mowing/SI	nrub Cutting	0	0	0	
Mine (sur				0	0	0	_	Tree Plant				0	0	0		Trails		0	0	0	
Mine (und		d)		0	0	0		Tree Cano		vory		0	0	0		Soil Comp		0	0	0	
	a or groun			-	+	+	-	(INSECT) Shrub Lay	er Brows	ed		0	4				hicle damage	0	0	0	
Military	- 4			0	0	0	-	(WILD OR DO	DMESTIC)			-	-	0		Soil erosio	n (FROM WIND, WATE		0	0	
Other:	-		_	0		0		(OVERALL <	" HIGH)			0	0	-	-	OR OVERUS	E)	0	-	0	
Other:	_	-		0		0		Recently Burned Forest Canopy Recently Burned Grassland				0	0	0		Other:			0		
Other:				0	100	0		(BLACKENE	0)			0	0	0		Other:		_  0	0	0	L
	Flag code Buffer Sa					Ex	olain all	Suspect mea flags in com	surement. ment sect	, F1,I lon or	2, etc	e. = mi pack o	sc. flag f this f	gs ass orm	signed b	y each field	crew. 24	42816	8304	4 (	

	PC	Al	01	1C/a	348	DAT	ΓE:	0.	71	Reviewed 1			
© Confirm	n a fili	ed da	ata b	ubbie i				-		absence by filling in this bub	hie	_	
II bubble if present - Pio	1	2	3		Fili bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Piot	_	1.	
urasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0	· iug	Johnson Grass	-	2	3
Vater hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0
ellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0	-	Multiflora Rose	0	0	0
iant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	•
arlic Mustard	0	•	•		Giant Reed	0	0	0			0	0	이
oison Hemlock	0	0	0		Cheatgrass	0	0	0		Himalayan Blackberry	0	0	이
ile-A-Minute Weed	0	0	0		Reed Canary Grass	0				Tamarisk	0	0	이
rdsfoot Trefoil	0	0	0		Common Reed		0	0	$\overline{}$	Other:	0	이	이
anada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	이	0
			$\sim$ 1	1	ceary Spurge	0	0	0		Other:	0	0	0
			THE		PLOT COORD					Other:	0	0	0
Latitude N	orth	4		. 5.	1	_ong	itude	e We		28.1.4.1.5.b.	5	L	
ag Comments													
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		FORM B-1: PCAPNC 1348								ER:	SAN	/PL	E PL	TO.	S (Fr	ont)		Review	red by	(initial):		_ (	
Site ID	): A	AF	ON	013	148	3									DATE	ld not be	111	/	2	0.	<u>L:</u>	3	
Locatio	n:	1					The state of the s		Fill	in b	ubb	le(s)	if pl	ot(s	) cou	ld not be	sample	ed a	nd fl	ag -	<b>→</b>		
OAAC	enter	0	N	0	S	O E	•	W	OP				Plot			lot 3		112					
Fill in bubbles Strata Section	for all th	at app	oly: Ca riate d	nopy cover o	Гуре: I lass b	D = D ubble	eciduous for eact	Buffer Natural Cover Strata us; E = Evergreen. Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy. ch strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%)															
Buffer	Canopy	тур Тур	e: <b>(</b>	(	) Ab	sen	: O	Buffer	Canopy	у Тур	e: <b>(</b>	•	) Ab	sent	: O	Buffer	Canopy	Тур	e: 🔞	0	Áb	sent	0
Plot 1	Leaf	Тур	e: <b>(</b>	<u> </u>			Flag	Plot 2	Lea	f Typ	e: <b>(</b>	) <u>C</u>			Flag	Plot 3	Leaf	Турс	e: <b>(</b>	0			Flag
Big Trees (>0.	.3m DBH)	0	0	0	0	0		Big Trees (>	0.3m DBH)		0	0		0		Big Trees (>0.3m DBH)				0	0		
Small Trees (<0	.3m DBH)	0	0	•	0	0		Small Trees (	<0.3m DBH)		0	0	0	0		Small Trees (<0.3m DBH)					0	0	
Woody Shrubs,	Saplings im HIGH)	0	0		0	0		Woody Shrub (0.5m	s, Saplings n-5m HIGH)	0	0	0		0		Woody Shrubs, Saplings (0.5m-5m HIGH)						0	
Woody Shrubs,		0	•	0	0	0		Woody Shrub		0		0	0	0			ubs, Saplings <0.5m HIGH)	0		0	0	0	
Herbs, Fo		0	•	0	0	0			Forbs and Grasses	0		0	0	0		Herbs, Forbs and Grasses				0	0	0	
	ground	0	0	0	0	0						0	0	0		Ba	re ground	0	0	0	0	0	
Litte	er, duff	0	Ō	•	0	0		Li	tter, duff	0	Ō						itter, duff	0	0	0	0	0	
	Rock	0	Ö	0	0	0			Rock	0		Õ	<u></u>	$\overline{\odot}$			Rock	0	Ō	0	0	Ŏ	
	Water	0	0	0	0	)(			Water		0	0	0	0		-	Water		0	0	ŏ	ŏ	
	merged		0	0	0	<del> </del>			ubmerged		0	0	<u></u>	$\frac{3}{2}$			Submerged		$\odot$	<u></u>	ठी	ŏ	
	getation	200	$\sim$	$\sim$	$\sim$	Confi	rm that	a filled data	egetation	ndica	$\sim$	$\sim$	$\preceq$	$\leq$	unfilled	bubble indi	Vegetation cates abs	ence	$\sim$	$\underline{}$			•
	lential	_	-						Hydrolo					a diri			Agricult						7-1
		_		1	2	3	Flag	Fili bubbi	202	-		1	2	3	Flag					1	2	3	Fiag
Fill bubble		3116 - 1	FIOL	0	0	9	riag	Ditches, C		THE T	100	0	0	0	9	Pasture/Hay					0	0	_
Road - grav				6	0	0		Dike/Dam	Road/RF			0	0	0		Range					0	Ö	
Road - four		7		6	0	0		Water Lev		ol Stru	ıcture	1	0	0		Row Crops	S			0	o	o	
Parking Lo		nent	-	6	0	0	_	Excavation		-		0	0	0		Fallow Fie		REST	NG	0	Ö	Ö	
Golf Course	- 23-1	1011	_	6	0	0		Fill/Spoil E		-		0	0	0		Fallow Fie	ld (OLD - GR	ASS.	27.0	0	Ō	ō	
Lawn/Park		1	-	0	0	0	-	Freshly Deposited Sediment				0	ō	0		SHRUBS, TREES) Nursery					0	0	
Suburban f	Residen	itial		lo	0	0		(UNVEGETATED) Soil Loss/Root Exposure				0	ō	ō		Dairy					0	0	
Urban/Mult	7.00			0	0	ō		Wall/Riprap				O	O	0		Orchard					0	0	
Landfill		100	, va	0	0	0		Inlets, Outlets				0	0	0		Confined Animal Feeding					0	0	
Dumping			19	0	0	0		Point Source/Pipe				0	0	0		Rural Residential				0	0	0	
Trash				0	0	0		Imperviou (SHEETFLO	s surface	inpu	ť	0	0	0		Gravel Pit					0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation	Marke 1			0	0	0	
Other:	11.100		1 60	0	0	0		Other:	**			0	0	0		Other:				0	0	0	
Indus	strial D	evel	opm	ent :	Stres	sor	S	Habitat/Vegetation Stressors															
Fiii bubbie	if pres	ent -	Piot	1	2	3	Flag	Fili bubble if present - Plot				1	2	3	Flag	Fiii bubl	ble if pres	ent -	Piot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear Cut				0	0	0		Herbicide Use				0	0	0	
Gas Wells				0	0	0		Forest Selective Cut			0	0	0		Mowing/Shrub Cutting				0	0	0		
Mine (surfa	ace)			0	0	0		Tree Planta	ation			0	0	0		Trails				0	0	0	
Mine (unde	erground	d)		0	0	0		Tree Cano	py Herbiv	ory		0	0	0		Soil Comp				0	0	0	
Military		7-11		0	0	0		Shrub Laye	er Browse	ed		0	•	•		Offroad ve		age		0	0	0	
Other:	-			0	0	0		Highly Gra	zed Gras	ses		0	0	0		Soil erosio		ND, W	ATER,	•	0	0	
Other:		usa k	-	0	0	0		Recently B		rest		0	0	0		OR OVERUSI Other:				0	0	0	
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	uffer Sa					Ext	ila nisto	flags in com	ment secti	on on	the b	ack of	this fo	orm		in in the least	The said	N'A	272	010			

Site ID:	H	H	/N(	00	1348	DAT	E:	O.F	LIIL 12013				
● Confirm	a fill	ed da	ata bi	ubble ii	ndicates presence and an unf	illed	bubb	le inc	dicates absence by filling in this but	ble			
Fill bubble If present - Plot		2	3		Fill bubble if present - Plot	1	2	3	Flag Fill bubble if present - Plot	_	2	3	Fla
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0	Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0	Kudzu	0	0	0	-
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0	Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0	Common Buckthorn	0	0	0	
Garlic Mustard	•	0	0		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			
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0	Other:	0	00	의	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0	Other:			의	
						_		<u></u>	Other:	0	0	0	
2					PLOT COORD				Other.	0	0	이	
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