CLEVELAND ME	TROPARKS Plant Community Assess			© Cleveland Metroparks
Project Label:	PCAP	_ Plot No	: 1237 Date Sample	d: 71/0/12 Lead: Barton
11			Comment rec	nuired i 41.306662
Parking/Access outsi	de of Park Boundaries:	Y. (N)	If yes, write details in Cor	mments 71 50 00 11
Field journals compl		(Y) N		-81,598041
Site sketch made on	1:3000 map?	(Y) N		
Check cover page	X-axis Bearing of plot recorded	Y (N)		
	GPS coords. Recorded	₩ N		12270
	North direction recorded	Y N		- 1237Br
	Photographs taken?	Ø N		
Plot No., Date agreer	nent on all pages?	(Y) N		
Header data complete	ed all pages?	Y N		
Cover classes record	ed in all Intensive modules	Y N		
Browse Level By Spe	ecies	Ø N		
Woody stem quality	control check	Y N		
Invasive plant quality	control check	(Y) N		
Ash trees mapped		Y N	N/A	
Cover by Strata? (cor	nfirm cover type)	Y N		
Soil samples collecte	d with matching plot #.	Y) N		
Vouchers labeled on	datasheet with initials and number	Y N		
Vouchers labeled on	collection bag	(Y) N		
Pink flags removed		Y (N)		
Data sheet QA before	e leaving site?	(Y) N		
Common equipment	returned to tub.	N CY)		
Data sheets scanned?		1	Enter date to left	
Final data sheets scar	ned?		Enter date to left	
Buffer Widths measu	red?	Y N		
Web Soil Survey		N (Y)	ATY 7-13-201	2
Voucher Location	Refrigerator	Y N		
(# vouchers collected)	Press (#)		Enter number to left	
	Drier	Y N		
	Identified	Y N		
	Mounted	Y N		-
	Thrown away	Y N		
GRTS point verifica	tion: Is plot sampleable?			
Yes	Original GRTS point is sampleable			
□ No	Original GRTS point lands in a non-sa	impleable area (f	ill in category below)	
	□ Point falls in a water (i.e. river, lake	(e)		
	☐ Managed mowed area (i.e. golf co	eurse, picnic area, righ	nt-of-way)	
	□ Paved area (i.e. parkinglot, road) □ Unsafe to sample (i.e. steep slope)			· · · · · · · · · · · · · · · · · · ·
	Other			
Additional Commen	ts:			
	3			
				2
				7
2 Data Ovellte C	10044			

CVS Field Guide OVER	*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	Minimum required fields in Bold and Underlined
	□ Systematic (grid) □ Capture specific feature □ Other	Authority: G&C Pub Date: 1998
	☐ Random ☐ Stratified Random ☐ Transect component	TAXONOMIC STANDARD
TO THE REPORT OF THE PARTY OF T	Plot placement: dGRTS = Representative	lichen
novalization Comundantay tonia, They provide	Photo Nos.: 0/38	bryo
Control of the contro	Camera No.: 4	vascul. X n/a
Horning Carex From South has private him	Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)	high modera. low not smpl
	Depth: (1-5): 4/	TAXONOMIC ACCURACY
Shrubi Ostrya, Aver Saccharin Facilis	X-axis Bearing of plot:	n Hurried data
	Plot size for cover data: O./ (bectares)	□ Accurate may still provide good
VEG. CHai, Lanopy: Liriogena on Theor Sacchanin, tagus;	GPS File Name: 1237A	how much effort put into
16 66.6	Coord. Accuracy: m ft /00%+-	Effort Level: subjective evaluation of
	Longitude: -81, 59824	SAMPLING QUALITY*
Kationale - LK13	Latitude: 411, 30672	□ Perm. water □ Paved □ Slope □ Safety
の一つでは	x = O $y = O$ (base of plot $x=0$, $y=0$)	PLOT NOT SAMPLED:
See Store John Orent direct	GPS location in plot $x=0$ to 5, $y=-1,0,+1$):	** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.
Location: 350m SEOT Oak Come significant	Datum: ■ NAD83/WGS84 □ NAD27	S. Catella Wardy /Soils
	□ Other (specify) ■ m □ ft □	K. Lewis Woody (soils
Layout: 2x5 Large depression Nerval pool in mod 10	■ Lat/Long □ UTM □ StatePlane ■ deg □ deg min	J. Fettit Woody /Scils
dominants, strata, BROWSE). Additional notes in space on back.	Coordinate system: Coord. Units	M. Greth Bot Asst.
NOTES: Include Layout (any unusual shape details), Location (directions and landscape content), Rationale (why here), and Veg Characterization (description of community,	Source of coordinates □ MAP ■ GPS	Barten
Key: (0,0) point point point with direction permanent posts	If data not public why?	Party Role**
Plot origin GDS location photo taken	Reason:	End date (if > 1 day): / /
O) # # # # # # # # # # # # # # # # # # #	□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	Date (mm/dd/yyyy): 7 / 10 / 12
	Check one: Public data Private Data	Level 5 (nested corners sampled)
2 1 2 1	Data Confidentiality:	 Level 4 (no nested corners sampled)
piot: Vex(8) #9 #8 #7 #6	Landowner: [M	Plot No.: 1237
2-10 3 4 3 4 4	Local Place Names: Oak grove pical &	Plot Name: A May Vanilla
	Quadrangle: Brechsuille	Project Name: OBr 2012
	State: OH County: Lyng Park	Project Label: PCAP
	LOCATION	GENERAL INFORMATION
Data Sheet Page 1 of 2	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	CLEVELAND METROPARKS Plant Cor

7	20.		7	2	1	2 7	2	22	W	<i>}</i>	2	2	72	22		₩ W	2		N		m m	12	77	8.5.2 3,	Т S H (F) (A) Вг	Strata - Cov. entire plot		Cleveland	-	₹		Total modules:	CLEVELAND MET Project Label:	
17. 7.6 7.0	Solidano Flexicallis	Podophyllym ochtorum	iese	im'nia	3	Atea alba	Vitis seedlings	Premonthes SD.	Polystichum acrostichoide	[]		Parthenocissus quinquetolia	Carex Sp. 1 Clax)	Carya Cordifornis	Alliver ticascum	calend	Eugaymys obevatus	Arisae	Seedlin	Ulmus scedlings	chan	Fraxinus seedli	Liciode	Faous OR	r Species		a sur disconnection of the surface o	describe amount of browse per species over	Br = Browse Level. Use cover classes to	-		10	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: OIBC2012	
												2													c Voucher#	%unveg. litter (bare litter)	%unvegerated open water	%open water	intensive module:	Estimate for each		Intensive modules:	nent Program Species Cover Data Project name: <u>ク(らんよう)し</u>	
			_)			-			-		1	-	1	2)	92	7	2/	W	W		14	14	_	depth		.		depth	2	mod cc	17	OBC	
3	R	$\frac{1}{N}$	1+	7	74	12	74	21	43	1+2	7	2+	f	77	2 2	\ \frac{1}{2}	2 2	2	213		14	とと	118		cov depth		7	3/0	cov depth	2 12	+] -	공	/er Dat	
2	7	1			9	4		4	W	B	U							/ -			0			_	h 000	1	+	1	h cov	2	comer	Plot configuration:	la Sho	
0	9,0			4	2	W	_	N		X	H	2			n	1	r	2	W	2	7	4	4	4	depth		١.	٠.	depth	c	100.00	figura	eet 2	
U				0	¢	2	4	4				9			7	2	N	12	2	-	5	2	00	Ø		X 1	10	20		7	comer	ation:		
N	N			7	2		85	08	4		(V)	Y36	S	7				7		2	H	H	1	42	depth	V		T	depth	a			Plot no.:	
M	7								4		7		2	5	3				- 30						COV			1	CDV	p		X	1237	
J			W		7			7	2			2	R	2		_		2	N	2	1	1	4	H	depth	<u></u> -	<u>-</u>	ـ ا	depth	×	mod	Š	37	
j			2		7			7	312		+2	2	7	7		2		C	2	_	S	2		20	COV	م	N	3 6		7	corner mod		22	
	D				N	-2		h	2					2	W		N	2	2			4	4	4	depth				depth	8	тод	1070		
	2					4									P		7								V03			$\sqrt{}$	COV	1	comer	Plot		
					2	1	1	9		10	2	7		10				Q		-		4	T	T	depth		-	ـ ا	depth		mod.	area	מי	
					2	4	1	7	,		2	7			1			2				2	\$	S		90	70	0	000	4	comer	Plot area (ha):	Page	
			17						5								4	W	1		7	h	7	4	depth	1	T		depth	0	mod	1.0	-	-
			X						2	- 2							7		2		W				COV			1	COV	2	comer		of.	
																10000									depth				depth	Z	mod		V	J
																									C6V				COV	Z	comer		-	

William Resource Management Commission of
2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

Total modules: Policy and long and l	Project Label:	PCAP	Project Label: PCAP Project name: 0/8/2012 Plot no.: 1237	
Creweland See Browne Level, Use cover classes to See Browne Se	Total modules:		Plot configuration:	ਬਾea (ha):
Considerated Bornel Level Use Cover Classes Over When a work of the Cover Classes Over Classes Over When a work of the Cover Classes Over C	③		mod corner	mod comer mod comer
Sinda Cox, entre plat T S H (F)(A)Br Species C Voucher # depth cox depth	Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	d d d d d d	nabili
TSH H(P)(A)Br Species c Voucher# som con data co		e proce		
Discussion markers 2 Mill Londicta markers 2 Metaphicaca bactesta 2 Metaphicaca bactesta 3 Metaphicaca bactesta 4 Metaphicaca bactesta 5 Metaphicaca bactesta 6 Metaphicaca bactesta 7 Metaphicaca bactesta 8 Metaphicaca seedling 9 Metaphicaca seedling 1 Metaphicaca seedling 1 Metaphicaca seedling 1 Metaphicaca seedling 2 Metaphicaca seedling 2 Metaphicaca seedling 2 Metaphicaca seedling 3 Metaphicaca seedling 3 Metaphicaca seedling 4 Metaphicaca seedling 5 Metaphicaca seedling 6 Metaphicaca seedling 7 Metaphicaca seedling 8 Metaphicaca seedling 8 Metaphicaca seedling 8 Metaphicaca seedling 9 Metaphicaca 9 Metaphicaca seedling 9 Metaphicaca 9 Metaphicaca seedling 9 Metaphicaca 9 Metaphicaca 9 Metaphicaca 9 Metaphicaca 10 Metaphicaca 11 Metaphicaca 12 Metaphicaca 13 Metaphicaca 14 Metaphicaca 15 Metaphicaca 16 Metaphicaca 17 Metaphicaca 18 Metaphicaca 18 Metaphicaca 19 Metaphicaca 10 Metaphicaca	Strata - Cov. entire plot	00000	%unveg. litter (bare litter) 1	
Dedices market Amphicus market Amphicus brockets The substants of ba Concest			VOUCITE: # depth cov depth cov depth cov depth cov depth cov	cov depth cov
Amahican markit Amahican backerta Amahican markican Amarkar salialum Amar	8	Carya.		
Amphiaras bactata Amphiaras hispida Profilax hispida Missa multithora Christo hystrix Sucrus seedlings Christo hystrix Americana Definia americana Checanis racenosa Checanis chicinote Checanis efficiente Checanis sp 2 Checanis sp 3 Checanis sp 3 Checanis sp 3 Checanis sp 4 C	2	Lehicers mackij		- 2
1 Dices multibles 1 Dices multibles 2 Express solba 2 Express hystix 2 Express hystix 3 Dictina americana 3 Dictina americana 4 Expression ancense 2 Includitis necessacions 2 Mithella rebeas 2 Mithella rebeas 2 Mithella rebeas 2 Recognitus cardialana 2 Fearnitus cardialana 2 Fearnitus cardialana 2 Signitus cardialana	2			
Ul Oresis and Hitora Queens seblings Elymis hystrix Elymis hystrix So Queens seedlings Elymis hystrix All Oreans albidum So Alexands aremasa Leguisclum annense Leguisclum annense Leguisclum annense Leguisclum annense All Oreans permasa Leguisclum annense All Oreans annenses All Oreans an	2 9-	0		70
Lymus Aystrix Elymus hystrix Elymus hystrix Masatrass albidum Superus rubra Querus rubra Querus rubra 1 Wasatrass necensa 2 Thekyptens necensa 3 Thekyptens necensa 2 Thekyptens necensa 3 Thekyptens necensa 3 Thekyptens necensa 2 Thekyptens necensa 3 Thekyptens necensa 4 Thekyptens necensa 2 Thekyptens necensa 3 Thekyptens necensa 4 Thekyptens necensa 5 Thekyptens necensa 6 Thekyptens necensa 8 Thekyptens necensa 9 Thekyptens necensa 1 Thekyptens necensa 1 Thekyptens necensa 2 Thekyptens necensa 2 Thekyptens necensa 3 Thekyptens 4 Thekyptens 5 Thekyptens 6 Thekyptens 6 Thekyptens 6 Thekyptens 6 Thekyptens 6 Thekyptens 7 Thekyptens 8 Thekypte		MU		7
2 Ehmis Kistrix 2 Ehmis Kistrix 3 Ehmis Kistrix 11 Kasafrass albidim 5 Querus ribra 3 Infilia priericana 4 Equiselum arvense 4 Equiselum arvense 4 Intellipataris novebracionis 5 Archilla repens 6 Archilla repens 7 Archilla repens 7 Response efficiale 7 Response sp 5 7 Archilla repens 8 Carpinus sp 5 8 Carpinus sp 2 8 Carpinus sp 3		us a/		
Elmis hystix 1' Kasafras albidum S Querus cubra Querus cubra 1 No Coraus racenasa 2 Faviselum arvense 2 Thehysteis noveboracusis 1 Osmanda claybaria 2 Mithalla repens 2 Mithalla repens 2 Secarial speciale 2 Reacial speciale 3 Secalum sp 2 ZSSIII		s sepd		
Superior ribra Querios ribra 1 10-Cornis racemasa 2 Equiselim ravense 2 The hoter's nove bearings 2 Mithella repeas 2 Mithella repeas 2 Greex Sp. 5 2 Velencia efficiale 3 8-Corpinus sp. 12 2 Strantings 2 Strantings 2 Strantings 2 Strantings 3 Strantings 4 Strantings 4 Strantings 5 Strantings 6 Strantings 7 Strantings	2	148/4		
S Querris rubra 3 INTITIA AMERICANA 4 Equiscium ancenses 4 Interprinta nacensis 5 INTITIA Americana 6 INTI	<i>''</i>	10/		20
3 INTINA AMERICANA I INTOMUS PARENTASA 2 Favisetum Annensa 2 Favisetum Annensa 1 Osmunda Claybaria 2 Mitchalla repeas 2 Carex Sp 5 Velexica efficiale 2 Roaxinus Sp. 2 2 Scalum Sp. 2 2 Sollum Sp. 2 3 Sollum Sp. 2 4 Sollum Sp. 2 5 Sollum Sp. 2	07	cult		70
1 Proposition recenses 2 Equisolum arrense 2 Thelyster's novebracins's 1 Disminda Claytonia 2 Mitchella repens 2 Carex SP 5 \ Vernica efficiale 2 Responses Carelintana 2 Responses Carelintana 2 Stealing SP 2 ZSS/15		Tilia americana		
2 Favisetum anense 2 Thekpoteris novebracusis 1 Osmunda Claybaria 2 Mitchella repeas 2 Carex SP 5 4 Vecaria officiale 3 Frazinus seculiatana 3 & Carlinas seculiatana 4 & Carlinas seculiatana 5 & Carlinas seculiatana 6 & Carlinas seculiatana 7 & Carlinas seculiatana 8 & Carlinas seculiatana 9 & C	10	G.		7
2 Theysteris novebracinsis 1 Osmunda Clayteria 2 Mithella repens 2 Mithella repens 3 Carex sp 5 4 Verence efficiable 3 Regional Secolum sp 2 5 Roaling and Society 5 Secolum sp 2 7 Secolum sp 2 7 Secolum sp 2 7 Society 7 Societ	7	J. M.		4
2 Mithalla repens 2 Mithalla repens 3 Carex SD 5 Securical e 3 Vecarica efficiale 3 Recardinas SD 2 SSS/15	2	hoteris		
Mitchella repens Carex SP 5 Vecaica efficiale R-Carpinus Carlinfons Fraxinus SP Resium SP 2 ZS8/15		19 C		
Carex sp 5 Verence of Stricinale 8-Carpinus Cardiniana 8-Carlin sp 2 ZSS/1/5	2	hella re		7
Recasion officials 8-Carpinus sp. 2 258/15	2	50 6	258114	<i>. .</i>
8-Cacpinus Cardiniana Franciaus sp. 8-Calium sp. 2 ZSB//5	<i>h</i>	6 Hicina		7
8-Colium sp. 12 \ ZSB/1/5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	CARDIAUS CARRIA		
8-Caliun sp. 12 \ZSG/1/5	2	X, 14		7

Project Label:	CLEVELAND METROPARKS Plant
PCAP	Community
Project Name: 018/2012	Assessment Program Natural Woody
Plot N	Stem Data Sho
- lo	heet

Project Name: 018-2012

Explain subsample (additional room on back):

Plot No.: 1237

Page:

© Gleveland Hetroparks

<u></u>

Ŋ	ம	5	-6	ع	4	عہ	عـ	_E	ع.	W	W	M	w	M	2	2	2	N	2	-	-		-	mod #	
Standing Dead	Acer saccharum	Fagus grandifolia	Rosa multiflora	Lindera benzoin	Carpinus caroliniana	Acer Saccharum	Liriodendron tulipitera	Ostrya virginlana	Fagus granditolia	Parthenocissus quinquefolia	Acer saccharum	Ostros virginiatios	Liviodendron tulipitera	Fasus grandifolia	Standing Dead	Acer saccharum	Carya cordiformis	Liviadendron tulipitera	Fagus grandifolia	Standing Dead	Acer saccharum	Liriodendron tulipitera	Fagus granditolia	species	
										folia														voucher#	
		•	•	;			;		:	•				:					:					0-1.4m browsed	# stems
																								or super sample	% sub
											•													shrub clumps	#
																					• •			7 7 -	size class (cm) woody stems >1.4m
														.,										2 1-<2.5	cm) woods
	•	•							••		·				•						:			3 2.5-<5	/ stems >1
																								5-<10	.4m
																			•					5 10 - <15	
	C																				•			6 15 - <20	
																			•				•	7 20 - <25	
					11177.10														•				E	8 25 - <30	
	;;																-							9 30 - <35	
																								10 35 - <40	
	170						\$7.0						54.8,61.6					45.7,59.3,4				67.9 411 61.2		>40 (record each tree)	
													_					12,1,451				N			

Explain subsample (additional room on back):	Project Label: PCAP Project Name: OIBr 2012 Plot No.: 1237 Page: 2 of 3	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet
	of U	(A) Character of Manager of the Control of the Cont

_	ھ	4	00	0	Op.	œ	00	7	7	7 (7	7	6	6	6	6	6	6	6	וט	on			mod #
	Titio americana	Fagus grandifolia	Carya sp.	fagus grandifolia	Oshrya virginiana	Livio dendron tulipifora	Acer saccharum	Smilax Misplasia	Toxicodendron radicans	auercus alba	Standing Dead	Fagus grandifolia	Sassafras albidum	Liviodendron tulipitera	Fraxinus Sp.	Cornus Memosa	Lindera benzoin	fagus grandifolia	Tilia americana	Fraxinus 8p.	Sassafras albidum 0	Lindera benzoin	Quercus rubra	species
_									-												outside			c Vo
																					plot			voucher#
		•	٠					٠	٠			•:	•		7	•	* *	•	٠	٥	•	• •		# stems 0-1.4m browsed
																								% sub or super sample
																						•		# shrub clumps
				•														7						size class (cm) woody stems >1.4m 1
			y	:	•		:					•						••						(cm) woo 2 1-<2.5
Ī												П												dy stems : 3 2.5-<5
Ī		••																						>1.4m 5-<10
Ī				٠							•	•			,									5 10 - <15
İ				•														•						6 15 - <20
Ī																	-							7 20 - <25
																								8 25 - <30
	•											×												9 30 - <35
						•						:							•					10 5 35 - <40
						42.1,53.9, 53.0				1.75				68.9									43.3,40.3	0 >40 (record each tree)

3aCM PCAP Natural Woody Stem Data Sheet ver 2.0.xls last revised 5/29/2012 jjm

Reserve

Natural Resources Management FORM NR/2010-03a

CLEVELAND METROPARKS Piant Community Assessment Program - Piant Cover and Earth Surface Project Label: PCAP Project Name: OB-2012

Plot No.: 1237

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

(Paleveland Weba parks Page: 1 of 1

STANDING BIOMASS (required for emergent wetlands), collected in 0 Im clip plots (32x32 cm) from comers 1 and 3 in each intensive module. Required for VIBI-E score calculation. C?=clieck when C7 Corner

collected Module #

CLASSIFICATION		
(FIT = excellent g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
DEPRESSION	Fit-	Confe
a IMPOUNDMENT a Beaver a Human	File	Conf"
n RIVERINE n Headwater n Mainstem n Channel	7	Conf
□ SLOPE (ground water hydrology or on a physical slop)	FICE	Conf=
□ FRINGING □ Reservoir □ Natural Lake] 	Conf
COASTAL (specify subclass)	7	Conf=
BOG (strongly, moderately, weekly ombrotrophic)	Fit=	Conf-
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	:CAT	
□ FOREST □ swamp forest □ bog forest □ forest seep	1	Conf
□ EMERGENT □ marsh □ wet meadow □ open bog	Pi 	Conf.
□ SHRUB □ shrub swamp □ tall sh bog □ tall sh fen	1	Conf

MICROTOPOGRAPHIC FEATURE COUNTS - intensive modules only

Stope 1 = slight elevational grade across module (hill) Ranks for microhabilat features. Select one or select two and average the score.NOTE: If mod falls on a stope automatically gets ranked based on steepness (1-3) to begin + any features present Stope 2 = falls on slope -20° Slope 3 = maximum steepness that can be safely sampled ~45°

- feature is absent or functionally absent from the wetland
- 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

		ڡ	00	دى	2	med#					
						corner					
		0	ò	0	0	(count)	lxlm	depth 3		tussocks	no of
		0	0	0	0	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no of
		_	2	2	1	(count)	10x10m	depth 1		depressions	no. macro.
		11	10		12	(count)	10x10m	depth 1		(2-12 cm)	c.w.d
		0	0	2	h	(count)	10x10m	depth 1		(12-40cm)	cwd
			0	Ø	0	(count)	10×10m	depth 1		>40 cm	c,w.d
		w	M	F	w	(rank)	10x10m	depth I		interspers	nucrohab
		N	W	2	_	(rank)	10x10m	SLOPE			microhab

CROWN COVER (DENSIOMETER) Make 4 readings per module facing N, S, E, W. Place dot count corresonding space (4 dots per grid square)

** Terrain Shape Index (site microtopographic shape)

Landform Index (position within landscape)

+315 degrees

WN ¥ WS

+270 degrees +225 degrees +180 degrees

eye of person standing -10 m

recorders eye to angle from

away.

+135 degrees

SE

+45 degrees +90 degrees

> Z z

LFI is angle of plot to the horizon. TSI is

local slopes. For TSI measure

angles formed by

At aspec

4.	9	00	3	2	Module	conceonant opace
Ч	h	2	-	درا	Z	
N	W	1	1	<u>.</u> Ľ	S	(4 nots ber Bug square)
N	h	2	M	Ö	E	,
W	2	+	2	2	W	L

٩	٩		9 0	w	3	2	4	9	00
								19	985
w	س)	2	_	7	_	W	Ч	<i>P</i>	2
2	C)	_	2	_	_	W	N	W	1
2	_	~ \							
		2 1 2 1	W	W	w	b	N	h	2
12		_	-	2	_	2	W	2	1

Page: 1 of 1

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

Soil pit module # 3 6 cm matrix color (one per entire plot) 107R4/2

20 cm matrix color 10 YR4 4 texture* oxid roots hydr. cond.*** redox features** exture* oxid roots mottle edox features** mottle ottle color ottle color ZA Z A I S M D 0 0 2 z z Z

refer to texture classes on reverse side hydro, cond.*** S M D

** e.g. hydrogen sulfide odor, gleying, etc.

*** Circle one: l=indundated S=saturated M=moist D=dry Notes: include evidence of earthworms (worms, castings, middens)

Earthworms

present in soil

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

(a) Somewhat poorly dr. Soil Collection Module Horizon (A, B, C) Impermeable surface Excessively dr. Depth to rest. Layer: > 80 inches Soil Series Source: Ohio Soil Survey 2,3,8,9 composited Soil Series Type GEPBUG - HEATON SI arent Material Lacustrine deposits andform type: Terraces Somewhat excessively · bam

713-001L

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

	Segue			
b	8	حرا	7	mod#
5.0	2.5	2.0	<u> </u>	l litter+ organic depth (cm)
S .0	2.5	2.0	1.9	2 litter depth (cm)
0	0	0	0	water depth (cm)
730	>30	>30	730	depth sat soil (cm)

EARTH SURFACE & GROUND COVER	CE & GROU	VD COVER	22 (24) 182 (18)
Underlying Earth Surface*	h Surface*	Ground Cover	272
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	Ø	Coarse Woody Debris***	5
Mineral Soil	380	Fine Woody Debris****	ی
Gravel-Cobble*	-	Litter	45
Boulder**	Q	Duff (Ferm.+ Humus)	0
Bedrock	Ø	Bryophyte- Lichen	1
* Gravel-Cobble = 1/16-10"	= 1/16-10"	Water	0
**Boulder => 10 in	in	Bare Soil	W
*** >5 cm in diameter	neter	Rbad Trui	0
**** <5 cm in diameter	meter	Other (vernal pool)	∞

rsed	rooled and floating or slightly emersed	* rooted and fic
1		(Aquatic)*
		(Floating)*
33	€0->	Rerb
18	0.5-5	Shrub
93	> 5	Tree
Total Cover (%)	Height Range (m)	Strata
%,ex:3, 8, 13	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	COVER BY STRATA estimate using midpoin

TRAIL INFORMATION	
record type and cover for each	ach
Туре	%Cover
All Purpose	
□ Bridle	
Hiking sanctioned	
□ Bootleg unsanctioned	
🛚 Gravel	
□ Deer	

No trail

				0.70			
□ < plot size	□ 1-3 x plot size	3-10 x plot size	□ 10-100 x plot size	□ > 100 x plot size	□ >600 x plot size	STAND SIZE	

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

** submersed, most plant mass below surface

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



									иненоража
Tier 1: Early	detection/	Rapid response			Pres	ence		GPS	
				NE	SE	SW	NW		Presence
Microstegium vimineum		Japanese stiltgrass							X: yes /
Ranunculus ficaria		Lesser Celandine							,
Cynanchum louiseae	(vine)	Black Swallow-wort	7.01					***	1
Butomus umbellatus	(wetland)	Flowering Rush							
Heracleum mantegazzianu	m	Giant Hogweed							
Tier	2: Assess a	s Needed	AND NO.		# of I	lants		comments	
				NE	SE	SW	NW		# of Plants
Acer platanoides		Norway Maple							1: 1-10
Ailanthus altissima		Tree of Heaven							2: 11-50.
Lonicera japonica	(vine)	Japanese Honeysuckl	e .						3: 51-100
Lythrum salicaria	(wetland)	Purple Loosestrife							4: 101-1,000
Aegopodium podagraria	(G-cover)	Bishop's Goutweed							5: >1,000
Celastrus orbiculatus	(vine)	Asian Bittersweet							•
Torilis sp.		Hedgeparsley	17.9					***	
Conium maculatum		Poison Hemlock	gar"						
Rhamnus cathartica		Common Buckthorn	(shrub)					197	
Berberis thunbergii		Japanese Barberry	(shrub)	2.1	11	-	2	$\hat{b}_{i,\sigma}^{*,\sigma}$	11-
Alnus glutinosa		European Alder	,/			<u> </u>			-
Dipsacus laciniatus		Cut-leaf Teasel							
Elaeagnus umbellata		Autumn Olive	(shrub)						
Lonicera maackii		Amur Honeysuckle	(shrub)		2/	4	ı		
Euonymus fortunei		Wintercreeper	(5/// 45/				<u> </u>		
	Presence is	of Interest	- N. W. C A	No.	# of !	lants	\$13.2 P	comments	
	T RESERVE A			NE	SE	sw	NW		# of Plants
Convallaria majalis	(G-cover)	Lily of the Valley			-	ha bah	EURO MACCO		1: 1-10
Coronilla varia		Crown Vetch							2: 11-50.
Eleutherococcus pentaphy	· · ·	Five-leaf Aralia	(shrub)						3: 51-100
Pachysandra terminalis		Japanese Pachysandra						1	4: 101-1,000
Philadelphus coronarius	10-004017	Mock Orange	(shrub)	1.4.					5: >1,000
Pulmonaria officinalis	(G-cover)	Lungwort	(Sitt GD)						3, 12,000
Rubus phoenicolasius	(0-00001)	Wineberry							
Iris pseudacorus	(wetland)	Yellow Flag Iris							/
Ornithogalum umbellatum		Star of Bethlehem		 					
Viburnum opulus var. opul		European Cranberry	(shruh)						
Viburnum plicatum	us	Doublefile Viburnum	(shrub)	_	 	-			
	idespread -	and abundant	(Silido)	STEEN'S	Proc	ence	E DE	comments	
Jer-4. W	iuespicau i	and abundant		NE	SE	sw	NW	Commence	# of Plants
Alliaria petiolata		Garlic Mustard	TO ME COLOR	3,	The second	Department of the last	2		1: 1-10
Ligustrum vulgare		Common Privet	(shrub)	<u> </u>	1	-			2: 11-50.
L. morrowii, L. tatarica		Bush Honeysuckles	(shrub)	 	1	+-			3: 51-100
Phalaris arundinacea		Reed Canarygrass	(sinuu)			 			4: 101-1,00
	(wotland)	Phragmites		-	 	 	-		5: >1,000
Phragmites australis Polygonum cuspidatum	(wetland)	Japanese Knotweed			-				2. 71,000
Polygonum cuspidatum Frangula alnus		Glossy Buckthorn	(shrub)	28	1	 			
				10	1	1	士		
Rosa multiflora		Multiflora Rose	(shrub)		+		-4-		
Typha angustifolia, T. x.gla	uca	Cattails (wetland)		-					
Cirsium arvense		Canada thistle		-	 	 			-
Dipsacus fullonum	****	Common Teasel		-	-		\vdash		
Hesperis matronalis		Dame's Rocket		-					1
Vinca minor	(G-cover)	Periwinkle					Ш		J

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

FORM B-1:																					0.00	
FORM B-1: BUFFER Site ID: PCAP BR 1237										ER	SAI	IPL	ΕP	LOT		7		47	1 by (initia			•
Site I	D:	CA	4 P	В	BR	12	37								DATE	0.7			1.0	1	2	
Location	on:								Fill	in b	ubb	le(s) if p	lot(s	s) cou	ıld not be	sample	ed and	d flag	→		Ĭ
OAAC	Center	0	N	0	S	01	≣ 0	W	OP				Plot			Plot 3						CHAIL CONTRACT
Fill in bubble Strata Section	es for all thon: Fill in a	nat app	ply: Ca priate o	nopy cover (Type; class l	D = C	eciduou for eac	s: E = Everare	Buffer en, Leaf T or each plo	voe: E	B = Bro	oadlea	f: N =	Needle	e Leaf. A	Absent: No treoderate(10-40)	e canopy. %); 3 = Hea	vy (40-7	5%); 4 =	Very H	leavy ((>75%)
Buffer	Canopy	у Тур	e: 📵) () AI	bsen	t O	Buffer	Canopy	у Тур	e: ([) () AI	bsent	E O	Buffer	Canopy	Туре:	@ () AI	osent	: 0
Plot 1	Lea	f Typ	e: 🐠) (Flag	Plot 2	Lea	f Тур	e: 🕡) (Flag	Plot 3	Leaf	Type:	@ (Flag
Big Trees (>	0.3m DBH)	0	0	@	0	0		Big Trees (>	-0.3m DBH)	0	0	(0	0		Big Trees	(>0.3m DBH)	0	<u> </u>	@	0	
mall Trees (<	:0.3m DBH)	0	0	3	0	(1)		Smail Trees (<0.3m DBH)	0	0	②	0	@		Small Trees		0	$\mathbb{O} \mathbb{O}$	0	6	
	5m HIGH)	0		②	0	0		Woody Shrub (0.5rr	s, Saplings -5m HIGH)	0	0	@	0	0		(0.8	ibs, Saplings im-5m HIGH)	0	<u> </u>	0		
	5m HIGH)		0	②	0	0).5m HIGH)	0	@	2	0	0		(•	bs, Saplings 0.5m HIGH)	0	9 0	0	0	
Herbs, F	orbs and Grasses	0	(2	0	0		Herbs, I	Forbs and Grasses	0	0	(0	0		Herbs	Forbs and Grasses	0	D 0	0	0	
Bare	ground	0	0	2	0	0		Bare	ground	0	0	(3)	0	0		Bai	e ground	0	2	0	0	
Litt	ter, duff	0	0	2	0			Lif	tter, duff	0	0	2	(0		L	itter, duff	0	<u> </u>	0	@	
	Rock	@	0	0	0	0			Rock		0	2	0	0			Rock		<u> </u>	0	0	
	Water	(3)	0	2	0	0			Water		0	2	0	0			Water	(1 2	0	0	
	bmerged egetation	®	0	②	0	0			ibmerged egetation	(a)	0	2	0	0			Submerged Vegetation	(3)) (O	0	0	
Stress	or Pres	enc	e/Ab	send	e - 1	Confi	rm that	a filled data	bubble in	ndica	tes p	resen	ce an	d an	unfilled	bubble indi	cates abse	nce by	filling t	nis bul	oble.	@
Resi	dential	and	Urba	an S	tres	sors			Hydrolo	gy S	tres	sors					Agricultu	ıral &	Rural	Stres	sors	
FIII bubble	if prese	ent - l	Plot	1	2	3	Flag	FIII bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubble	if preser	ıt - Plo	t 1	2	3	Flag
Road - gra	ivel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ıy		0	0	0	
Road - two	lane			0	0	0		Dike/Dam/		Bed	V=TIII	0	0	0		Range			0	0	0	
Road - fou	ır lane			0	0	0	:	Water Lev	1 Stru	cture	0	0	0		Row Crops		EVEROLI	0	0	0		
Parking Lo	ot/Pavem	nent		0	0	0		Excavation	ı, Dredgir	ng		0	0	0		Fallow Fiel	D)		0	0	0	
Golf Cours	se			0	0	0		CONTRACTOR OF THE PARTY OF THE	ill/Spoil Banks reshly Deposited Sediment				0	0		Fallow Fiel SHRUBS, TRE		ASS,	0	0	0	
Lawn/Park	(0	0	0		Freshly De (UNVEGETAT		Sedim	nent	0	0	0		Nursery			0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F		osure		0	0	0	1	Dairy			0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	P			0	0	0		Orchard	202		0	0	0	
Landfill				0	0	0		Inlets, Out Point Sour				0	0	0		Confined A		ding	0	0	0	
Dumping				0	0	0		(EFFLUENT C	OR STORMV	VATER	(3)	0	0	0		Rural Resi	dential		0	0	0	
Trash				0	0	0		(SHEETFLOV		mput		0	0	0		Gravel Pit			0	0	0	
Other:			=	0	0	0		Other:				0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:		Tribalii.	10	0	0	
Indus	strial D	evel	opmo	ent S	Stres	son	8						Habi	tat/V	egeta	tion Stress	sors			1		
Fill bubble	if prese	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - Pl	ot 1	2		Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	lse	100	0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	9	0	0	0	**************************************
Mine (surfa	ace)			0	0	0		Tree Planta				0	0	0		Trails			0	0	0	
Mine (unde	erground	1)		0	0	0	10	Tree Canop (INSECT)	y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H			0	0	0	
Military				0	0	0		Shrub Layer Browsed				0	0	0		Offroad veh	icle dama	ge	0	0	0	
Other:				0	0	0		(WILD OR DOMESTIC) Highly Grazed Grasses (OVERALL <3" HIGH)				0	0	0		Soil erosion OR OVERUSE		ID, WATE	R, 🕖	•	0	1
Other:	912-00-2			0	0	0		Recently Bu		0	0	0		Other:			_ 0	0	0			
Other: OOO Canopy Other: OOO Recently Burn (BLACKENED)					ımed Gra	sslar	nd	0	0	0		Other:			0	0	0					
	ng codes:	K=1	em of			made		uspect meas				= mis		s ass	igned b	y each field c	rew.	2	42816	-	-	
В	uffer San	nple	Plots	05	/27/2		lain all f	lags in comm	ent sectio	on on	the ba	ick of	this fo	orm						550.	L	

FORM																						
Site ID: PLAP BR 237									BUFF	ER	SAI	NPL	E PI	LOT			gylla.	Reviewed I		A .		•
Site II	D: _f	U	4P	P	SR		23	7	EXE.						DATE	0.7	1	<u> </u>	_0.	1.	۷.	NEL.
Locatio	on:								Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ld not be	sampl	ed and	flag -	→		ĺ
OAAC	enter	C	N	•	S	O	O	W	OP	lot '	1	01	Plot	2	OF	lot 3			10			
Fill in bubble Strata Sectio	s for all th	nat app	ply. Ca priate d	nopy cover o	Type:	D = C	eciduou for eacl	s: E = Everare	Buffer I een. Leaf Ty or each plot	vpe: E	B= Bro	adleat	f: N = I	Needle	e Leaf. A	bsent: No tree	e canopy. %); 3 = Hea	avy (40-759	%); 4 = \	/ery H	eavy ((>75%)
Buffer	Canopy	v Tvp	e: (6) (E) AI	bsen	t: ()	Buffer	Canopy	/ Tyn	ne: @) (E) Δι	osení	H ()	Buffer	Canopy	/ Type:	<u></u>) At	sent	. (
Plot 1		f Typ	$\overline{}$		4		Flag	Plot 2			e: (Flag	Plot 3		f Type: ($\stackrel{\sim}{\sim}$	$\overline{}$		Flag
Big Trees (>0			(a)		0	0	i iag	Big Trees (>		0	0	0		0	. lug	Big Trees	(>0.3m DBH				0	· ·····g
Small Trees (<		$\overline{}$	0	0	$\frac{1}{2}$	6				$\overline{}$	0	0		$\frac{\circ}{\circ}$		Small Trees		1000		0	@	
Woody Shrubs,		_	1			-		Small Trees (Woody Shrub			_		_			Woody Shru		+=+=		_	-	
	5m HIGH)	0		0	0	0			1-5m HIGH)	0	0	9	9	\odot		(0.5 Woody Shru	m-5m HIGH) bs. Saplings		_	0	9	
	5m HIGH)	0	9	0	0	0		(<0).5m HIGH) Forbs and	0	0	(9	$\overline{\odot}$		(<	0 5m HIGH) Forbs and	0		0	0	
	Grasses	0	0	0		0		rierus, i	Grasses	0	0	0	<u>@</u>	<u>O</u>		110103,	Grasses	00	+=	0	0	
Bare	ground	0	0	0	0	0		Bare	ground	0	0	0	<u> </u>	<u>O</u>		Bar	e ground	0 6	+=	0	0	
Litte	er, duff	0	0	2	0	(1)		Lit	tter, duff	0	0	6	0	0		L	itter, duff	0		0	(4)	
	Rock	(0	(2)	0	0			Rock	0	0	(0	0			Rock	(0	3	0	
	Water	0	0	(2)	0	0			Water	0	(1)	0	0	0			Water	()	0	0	0	
	bmerged egetation	(3)	0	$\overline{2}$	<u></u>	0			ubmerged /egetation		0	0	<u> </u>	0			Submerged Vegetation		0	0	0	
		_	e/Ab	senc	_	Confi	rm that				tes p	resen	ce an	d an	unfilled	bubble indic			illing th	is but	ble.	(
	dential								Hydrolo					I A	E	-	Agricult					
Fill bubble		Sinkle Sel		1	2	3	Flag	FIII bubble				1	2	3	Flag	FIII bubble			1	2	3	Flag
		311L - 1	riot				гюу		-		iot	20 -		0	1 lag	Pasture/Ha			0	0	0	
Road - gra				0	0	0		Ditches, C Dike/Dam/				0	0	0		Range	ıy		0	0	0	
Road - fou	553			0	0	0 0		(IMPEDE FLO		l Str	erti ira		0	0		Row Crops			0	0	0	
		nont	-	0	0						ictui e	-	-	0		Fallow Field		RESTING	0	0	0	
Parking Lo		lent		0	0	0		Excavation Fill/Spoil B		iy		0	0	0		Fallow Field	D)	Albert Grant	0	0	0	
Golf Cours	-		10-2	0	0	0		Freshly De		Sedin	nent	0		0		SHRUBS, TRE	ES)	-	0	0	0	
Lawn/Park		tial		0	0	0		Soil Loss/F		suire		0	0	0		Nursery			10	0	0	
Suburban I		uai		0	0	0		Wall/Ripra		Joure		10	2000	0		Orchard			0		-	
Urban/Mult	tiramily			0	0	0						0	0			Confined A	nimal Far	odina		0	0	
Landfill				0	0	0		Inlets, Out Point Sour				0	0	0		Rural Resid		curry	0	0	0	
Dumping	200			0	0	0		(EFFLUENT C	R STORMY Surface	VATER	()	0	0	0		Gravel Pit	acritici		0	0		
Trash				0	0	0	i	(SHEETFLOV	0			0	0	0		Irrigation			0	0	0	
Other:		·		0	0	0		Other:			-	0	0	0		Other:			0	0		
Other:		waren .		0	0	0		Other:				0	0	0					10	0	0	
Inaus	strial D	evel	opmo	ent S	tres								_			tion Stress			1			
Fill bubble	If prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if preser	nt - I	Plot	1	2	3	Flag	FIII bubb	le if pres	ent - Plo		2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse		0	0	0	**************
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cuttin	g	0	0	0	
Mine (surfa	ace)			0	0	0		Tree Planta	tion			0	0	0		Trails			0	0	0	
Mine (unde	erground	i)		0	0	0		Tree Canop (INSECT)	y Herbivo	ory	CEARLOR.	0	0	0		Soil Compa (ANIMAL OR H			0	0	0	
Military				0	0	0	To the state of th	Shrub Laye		d		0	0	0		Offroad veh		age	0	0	0	
Other:				0	0	0		Highly Graz	ed Grass	es		0	0	0		Soil erosion	(FROM WI	The Management		0	0	
1000	1000	de la						(OVERALL <3" Recently Bu		est		0	0	0		OR OVERUSE Other:			0	0	0	
	Other: Canopy Canopy			sslaı	nd						-		1 100 100									
Other: O O O (BLACKENED)							0	0	0		Other:		10.8	0	0	0	(100)					
Flag codes: K = No measurement made, U = Suspect r Explain all flags in C															igned b	y each neid Ci	w.	24	2816	3304		

			_																				
Site ID: PCAP BR 123							RM B-1:	BUFF	ER	SAI	NPL	E PI	LOT	S (F	ront)		Review	red by (nitial)	:			
Site I	D: f	701	AP	В	R		23	37							DATE	0.7	1 1 0	51	2	0		2	
Location	on:						apprise of	Samuel Ind	Fill	in b	ubb	le(s	if p	lot(s		ıld not be						_	$\neg T$
@ AA C	Center	C	N	0	S	01	E 0	W	OP	lot '		0	Plot	2	OF	Plot 3							
									Buffer														
								s; E = Evergree n strata type for										vy (40-	-75%);	4 = V	ery H	eavy (>75%)
Buffer	Canopy	/ Тур	e: (() AI	bsen	t O	Buffer	Canopy	у Тур	e: () () At	seni	: O	Buffer	Canopy	Туре	p: (0)	(E)	Ab	sent	: O
Plot 1	Lea	f Тур	e: () (Flag	Plot 2	Lea	f Typ	e: (e) (Flag	Plot 3	Leaf	Туре	: 0	<u> </u>			Flag
Big Trees (>	0.3m DBH)	0	0	2	<u>(1)</u>	(4)		Big Trees (>0	.3m DBH)	0	0	(2)	0	<u> </u>		Big Trees	(>0.3m DBH)	0	0	<u> </u>	<u> </u>	0	
Small Trees (<	0.3m DBH)	0	0	(2)		0		Small Trees (<	0.3m DBH)	0	0	2	0	0		Small Trees	(<0.3m DBH)	0	0	0	0	0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	(3)	0	0		Woody Shrubs, (0.5m-	Saplings 5m HIGH)	0	0	3	0	<u> </u>			bs, Saplings m-5m HIGH)	0	0	0	0	0	
Woody Shrubs		0	(4)	②	①	0		Woody Shrubs,		0	0	2	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0	0	0	0	0	
Herbs, F		0	0	(0	0		Herbs, Fo		0	0	0	0	0			Forbs and Grasses	0	0	<u> </u>	0	0	
Bare	ground	0	a	2	0	0			ground	0	0	2	0	0		Bar	e ground	0	0	0	0	0	
Litt	er, duff	0	0	2	(3)	0		Litte	er, duff	0	0	0	0	0		L	itter, duff	0	0	0	0	0	
	Rock		0	(2)	0	0			Rock	0	0	<u>3</u>	0	0			Rock	0	0	0	0	0	
	Water		0	0	0	0			Water	0	$\overline{\odot}$	(2)	0	Ō			Water	0	0	\rightarrow	0	0	
	bmerged egetation		0	(2)	0	0			omerged	0	0	<u>(1)</u>	<u></u>	$\overline{\odot}$			Submerged Vegetation	0	0	Ō	<u></u>	Ō	
		enc	e/Ab	send	e - (rm that	a filled data l			tes p	resen	ce an	d an	unfilled			nce b	y fillir	g thi	s bub	ble.	(
Resi	dential	and	Urba	an Si	tress	ors		F	lydrolo	gy S	tres	sors					Agricult	ıral 8	& Rui	al S	tres	sors	Y
Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fili bubble	if prese	nt - I	Plot	1	2	3	Flag	FIII bubble	if preser	ıt - Pi	ot	1	2	3	Flag
Road - gra	ivel		na)	0	0	0		Ditches, Ch	anneliza	ation		0	0	0	900000000000000000000000000000000000000	Pasture/Ha	y			0	0	0	
Road - two	lane	1000		0	0	0		Dike/Dam/F		Bed		0	0	0		Range				0	0	0	
Road - fou	Road - four lane OOO					Water Leve	A STATE OF THE PARTY OF THE PAR	l Stru	cture	0	0	0		Row Crops				0	0	0			
Parking Lo	t/Pavem	ent		0	0	0		Excavation, Dredging					0	0		Fallow Field		RESTIN	NG	0	0	0	
Golf Cours	se			0	0	0		Supply of the same of the same	II/Spoil Banks eshly Deposited Sediment				0	0		Fallow Field SHRUBS, TRE		ASS,		0	0	0	
Lawn/Park				0	0	0		Freshly Dep (UNVEGETATE		Sedim	ent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/Root Exposure					0	0		Dairy				0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Riprap				0	0	0		Orchard Confined Animal Feeding				0	0	0	
Landfill				0	0	0		Inlets, Outle	District to hotel			0	0	0		Process in the later with	1000000	ding	1	0	0	0	
Dumping				0	0	0		Point Source (EFFLUENT OF	STORMV			0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		(SHEETFLOW)		iriput	Sover	0	0	0		Gravel Pit				0	0	0	
Other:		N-VEGIN		0	0	0		Other:				0	0	0		Irrigation	Lill Runtoment (s-total)			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:				0	0	0	
Indus	strial De	evel	opm	ent S	tres	sor	В						Habit	at/V	egeta	tion Stress	ors						
FIII bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble i	f prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if pres	ent - I	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clear	Cut			0	0	0		Herbicide U	se			0	0	0	
Gas Wells				0	0	0		Forest Selec	tive Cut			0	0	0		Mowing/Shi	rub Cutting	9		0	0	0	
Mine (surfa	ace)	- June		0	0	0		Forest Selective Cut Tree Plantation				0	0	0		Trails				0	0	0	
Mine (unde	erground)		0	0	0		Tree Canopy Herbivory (INSECT)				0	0	0		Soil Compa (ANIMAL OR H				0	0	0	
Military				0	0	0		Shrub Layer Browsed (WILD OR DOMESTIC)				0	0	0		Offroad veh				0	0	0	
Other:				0	0	0		Highly Grazed Grasses (OVERALL <3" HIGH)				0	0	0		Soil erosion (FROM WIND, WATER OR OVERUSE)			TER,	•	0	0	1
Other:				0	0	0		Recently Burned Forest Canopy				0	0	0		Other:			Integral	0	0	0	
Other:				0	0	0		Canopy Recently Burned Grassland (BLACKENED)				0	0	0		Other:				0	0	0	1
Flag codes: K = No measurement made, U = Suspect						uspect measu	rement,	F1,F2	, etc.	= mis	c. flag	s ass	igned b	y each field c	rew.		2428	169	30/	1	7		

Buffer Sample Plots 05/27/2011

)								_()					nettoo			
24						FOI	RM B-1:	BUFF	ER	SAI	NPL	E PI	LOT	S (F	ront)		Review	ved by	(initial)				
Site I	D: P	CA	1P		BE	2	17	237							DATE	0.7	110	>1	2	0	1.	2	
Locatio		ale					Nerth I		Fill	in b	ubb	le(s	if p			ld not be							1
OAAC	enter	C	N	0	S	0 E	€ 0	W	OP	lot '	1	0	Plot	2	OF	Plot 3							
							2.		Buffer														
Strata Section	s for all thon: Fill in a	nat app approp	oriate o	nopy cover c	Type: class l	D = L	eciduou for eac	s;	en. Lear i or each plo	ype: E	s = Bn Abser) 1t; 1 = 1	r; N = r Sparse	(<10%	6); 2=M	Absent: No tree oderate(10-40	e canopy. %); 3 = Hea	avy (40	⊢75%)	4 = V	ery Ho	eavy (>75%)
Buffer	Canop	у Тур	е: 🍕	() AI	bsen	t O	Buffer	Canopy	у Тур	e: () () At	sent	: 0	Buffer	Canopy	/ Тур	e: 📵	(E)	АЬ	sent	: O
Plot 1	Lea	f Typ	e: (f) ©			Flag	Plot 2	Lea	f Тур	e: () (Flag	Plot 3	Leaf	f Туре	e: (0	1		Flag
Big Trees (>	0.3m DBH)	0	0	2	6	0		Big Trees (>	-0.3m DBH)	0		2	0	0		Big Trees	(>0.3m DBH)	0	0	(0	0	
Small Trees (<	0.3m DBH)	0	0	2	0	0		Small Trees (<0.3m DBH)	0	0	(0	0		Small Trees	(<0.3m DBH	0	0	0	0		
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	(0	0		Woody Shrub (0.5rr	s, Saplings 1-5m HIGH)	0	(3)	0	0	0			ubs, Saplings im-5m HIGH)		0	0	(1)	0	
Woody Shrubs (<0.	, Saplings 5m HIGH)	0		0	0	0		Woody Shrub	s, Saplings 0.5m HIGH)	0	@	0	0	0			ıbs, Saplings <0.5m HIGH)		0	(2)	0	0	
Herbs, F	orbs and Grasses	0	0	②	(3)	0		Herbs, I	Forbs and Grasses	0	0	0	0	(Herbs	Forbs and Grasses		0	0	@	0	
Bare	ground	0	©	0	0	0		Bare	ground	0	(1)	0	0	0		Bai	e ground	0	(9)	0	0	0	
Litt	er, duff	0	0	(0	0		Li	tter, duff	0	(3)	0	0	0		L	itter, duff.	0	0	0	0	0	
	Rock		0	2	0	0			Rock	(2)	0	(2)	0	<u> </u>			Rock	(0)	0	0	0	0	
-	Water	1	0	0	0	0			Water	0	0	3	0	0			Water	(1)	0	0	0	0	
	bmerged		0	(2)	0	0			ubmerged /egetation	(3)	0	(1)	0	Ō			Submerged Vegetation		0	0	0	0	
		_	e/Ab	senc	:e - 1	Confi	rm that				tes p	resen	ce an	d an	unfilled	bubble indi		_	by filli	ng thi	s bub	ble.	0
Resid	dential	and	Urba	an Si	tres	sors			Hydrolo	gy S	tres	sors					Agricult	ural a	& Ru	ral S	tres	sors	
Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - l	Plot	1	2	3	Flag	FIII bubble	if prese	nt - P	lot	1	2	3	Flag
Road - gra		Little		0	0	0		Ditches, C	hanneliza	ation	H	0	0	0		Pasture/Ha	ay	OIL SELL		0	0	0	A-Cuttinuovonanayayayanne
Road - two	Road - two lane OOO					Dike/Dam/		R Bed		0	0	0		Range				0	0	0			
Road - fou	Road - four lane OOO					Water Lev		l Stru	icture	0	0	0		Row Crops				0	0	0			
Parking Lo	t/Paven	nent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel	D)		NG	0	0	0	
Golf Cours	se .			0	0	0		Fill/Spoil B	0	0	0		Fallow Fiel SHRUBS, TRE		RASS,		0	0	0				
Lawn/Park				0	0	0		Freshly De (UNVEGETAT	nent	0	0	0		Nursery				0	0	0			
Suburban	Residen	itial		0	0	0		Soll Loss/F	Root Exp	osure		0	0	0	•	Dairy				0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	р	į.		0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	eding		0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	OR STORM			0	0	0		Rural Resi	dential			0	0	0	
Trash				0	0	0		(SHEETFLOV		input	\$ 	0	0	0		Gravel Pit				0	0	0	
Other:			Zangris.	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	evel	opm	ent S	Stres	SOF	8						Habit	at/V	egeta	tion Stress	SOFS		To go				
FIII bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	FIII bubb	le if pres	ent -	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut	ariak irri		0	0	0		Herbicide U	Jse			0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cuttin	g		0	0	0	,
Mine (surfa	ace)			0	0	0		Tree Planta	ition			0	0	0		Trails				0	0	0	2
Mine (unde	erground	i)		0	0	0		Tree Canop (INSECT)	y Herbiv	огу		0	0	0		Soil Compa			do il il	0	0	0	
Military				0	0	0		(INSECT)			0	0	6	-	Offroad vet	Name of the last	age		0	0	0		
Other:				0	0	0		Highly Graz	ed Grass	ses		0	0	0		Soil erosion (FROM WIND, WATER,			ATER,	0	0	0	1
					(OVERALL <3" HIGH) Recently Burned Forest			0	0	0	-	OR OVERUSE) Other: O O			are to								
Other: OOO Canopy Recently Burned Grassland				nd	0	0	0		Other:				0	0	0								
_	ther: OOOO Recently Burned Grassland (BLACKENED) Flag codes: K = No measurement made, U = Suspect measurement., F1,F2, or					2, etc.				Igned b	_	rew.		242			1	1 10					
					1000	Exp	lain ali 1	uspect measurement., F1,F2, etc. = lags in comment section on the bac					this fo	n				PHE	242	атρ	3304		

Buffer Sample Plots 05/27/2011

FORM B-1: BUFFER SAMPLE PLOTS (Front.) Reviewed by (Initial): DATE: 0.7 1.0 7.																							
Site ID: PCAP Br 1237 Location: Fill in bubble(s) if plot(s) could not be sampled and flag →														1877.5									
OAA Center ON OS OE OW										O Plot 1 O Plot 2 O Plot 3													
Buffer Natural Cover Strata														- 1									
FIII in bubble Strata Sectle	es for all thon: Fill in a	approp	ply: Ca priate d	over o	Type: class I	D = D oubble	eciduou for eac	s; E = Evergr h strata type f	een. Leaf T or each plo	ype: E t. 0 =	3 = Bro Absen	padlea it; 1 = 5	f; N ≔ l Sparse	Needle e(<10%	Leaf. A 6); 2=Mo	bsent. No tree derate(10-40°	e canopy. %); 3 = Heav	y (40	-75%)	; 4 = V	ery He	avy (>75%)
Buffer Plot 1	101					Buffer Plot 2								Buffer Plot 3	Canopy Leaf		_		Ab	sent	: O Flag		
Big Trees (>0.3m DBH)			0			Big Trees (>0.3m DBH)	0	0	②	0	(Big Trees	(>0.3m DBH)	0	0	0		0	F		
imali Trees (<0.3m DBH)			0	0		1		Small Trees	(<0.3m DBH)	<0.3m DBH)			00			Small Trees (<0.3m DBH)				0		0	
Woody Shrubs, Saplings (0.5m-5m HIGH)		0	0	0	1		Woody Shrut (0.5r	os, Saplings n-5m HIGH)						7	(0			
Woody Shrubs, Saplings (<0.5m HiGH)		0	0	0		Woody Shrul	os, Saplings 0.5m HIGH)					0	-	Woody Shrubs, Saplings (<0.5m HIGH)					0	0			
Herbs, Forbs and Grasses		0	0	0		Herbs,	Forbs and Grasses	0	0	(3)	0	0		Herbs,	Forbs and Grasses	0	0		0	0			
Bare ground ① 🍥		0	0	0		Bar	e ground	0	(1)	0	0	0		Bar	e ground	0		0	0	0			
Litter, duff		0	0	0		L	itter, duff	0	0	0	0	(L	itter, duff	0	0	0	(1)	0			
	Rock	3	0	0	0	0			Rock	1	0	0	0	0			Rock		0	0	0	0	
	Water	0	0	0	0	0			Water	0	0	0	0	0			Water		0	0	0	0	
	ubmerged /egetation		0	0	0	0			ubmerged Vegetation		0	0	0	0			Submerged Vegetation	(0	0	0	0	
		senc			1		m that			ndica	tes p	resen	ce an	d an	unfilled	bubble indi		nce :	þy filli	ng thi	s bub	ble.	•
	dential				102-1011			9. 450	Hydrold		12 (10) (I	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,	GESTA			The state of the state of	Agricultu	85	el Tubi		200	Transfer of	STREET,
ill bubble	o If pres	ent -	Plot	1	2	3	Flag	Fill bubbl	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if presen	t-P	lot	1	2	3	Flag
Road - gra		4, 7		0	0	O		Ditches, 0	Channeliz	ation		0	0	O		Pasture/Ha	ay			0	0	0	
Road - two tane			O	0	O			/Road/RF	Road/RR Bed			0	0		Range				0	0	0		
Road - four lane			0	O	O		B		vi I Control Structure			0	0		Row Crops				0	0	0		
Parking Lot/Pavement			0	0	0		Excavatio	n, Dredgi	, Dredging			0	0		Fallow Field (RECENT RESTING ROW CROP (FEED)			NG	0	0	O		
Golf Course			O	0	0		Fili/Spoil I	A STATE OF THE PARTY OF	A SECTION AND ADDRESS OF THE PARTY.			0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)			net V	0	0	0		
Lawn/Park			0	0	0		Freshly D		posited Sediment			0	0		Nursery				0	0	0		
Suburban Residential			0	0	0		Soil Loss/	Root Exp	oot Exposure			0	0		Dairy				0	0	0		
Ucban/Multifamily		T.	O	0	0		Wall/Ripo	ψ	n 1 () 3			0	0		Orchard				0	0	0		
Landfill		0	O	0		Inlets, Ou	and the second second				O	0		Confined Animal Feeding				0	MICTOR SC 124	0			
Dumping				0	0	0		Point Sou (BEHAUEKT	OR STORM			O	0	0		Rural Resi	dential			0	0	0	
Trash		4.0		0	0	0		Imperviou (SHEETFLO		aubn	L .	0	0	О		Gravel Pif				0	0	0	
Other				0	О	O		Other			A in a second	0	0	0		Imgation		1		0	O	0	
Other:				O	O	0		Other.		1000000		0	0	О	COLUMN TO	Other:		200		0	O	0	ale made
Indu	strial D	evel	opm	ent S	Stre	son	3						Habi	tat/V	egetal	ion Stres	sors	1 -	ر پيد آي		7		
FIU bubble	e If pres	ent-	Plot	1	2	3	Flag	Fill bubble	o lf prese	nt-	Plot	1	2	3	Flag	FIII bubb	ile ili prese	nt-	Plot	1	2	3	Flag
Oil Drilling		13		0	0	0		Forest Clea	ar Out			0	0	O	Ī	Herbicide L	Ise			O	O	0	
Gas Wells				O	O	О		Forest Sele	ective Cul	l		0	O	0		Nowing/Sh	rub Outting	J	901	0	0	0	
Mine (surface)			O	0	O		Tree Plant	etion				О	0		Trails				0	0	0		
Mine (underground)		14	O	O	Ö		A HOST MEDICAL PROPERTY.	ALL STREET	y Herbivory			Ø	0		Soil Compaction (ANIMAL OR HUMAN)				LO	0	O		
Military		THE STATE OF	300	0	0	O		Shrub Laye	er Browse	d		0	•			Officed vel	THE BUILDING	ge		0	0	0	L. L. Ib va.
Other.				0	O	0		(WILDORDO Highly Gra	zed Grasi	BBS		O	Ö	O		Soil erosio	n (FRONTWIN	SHOULE	VIER.	Ō	SERVICE STATE OF	O	An an inches
	and the second	100	4	0	0	0		Recently B		rest		0	0	0		OR OVERUSE Other				0	*	Ö	
Other:			-			(Charles of		Canopy Recently B		assla	nd	0	0	0	Corner Spines No. Spines of	Other		-		0	MARKINE AT	0	14-
Othec		W-1	No.	0	O	0	, m===	(BLACKENED			9 pir		Mary Says St.	Phopolis	ioned h	y each field c	TEW.				Manual Property of	All State Company	
	uffer Sar	ar to sh	W. Sal	3100121		No.	idin ell i	legs in com	nent section	on on	the b	nck di	this t	otmi					242	8168	304		