CLEVELAND ME	TROPARKS Plant Community Asse		
Project Label:	PCAP	Plot No	: 1267 Date Sampled: 7-31-12 Lead: Barto
		- 	Comment required if item answer is NO
Parking/Access outs	ide of Park Boundaries:	(Y) N	If yes, write details in Comments section below
Field journals comp	leted	Ý N Ý N	
Site sketch made on	1:3000 map?	(P) N	
Check cover page	X-axis Bearing of plot recorded	N (V)	
	GPS coords. Recorded	(Y) N	
	North direction recorded	(Y) N	
	Photographs taken?	Ø N	
Plot No., Date agree	ment on all pages?	(Y) N	
Header data complet	ed all pages?	Y N	
	ed in all Intensive modules	(Y) N	
Browse Level By Sp	ecies	(Y) N	120
Woody stem quality		(V) N	
Invasive plant qualit		Y N	
Ash trees mapped		Y (N)	NA
Cover by Strata? (co	nfirm cover type)	(Y) N	
	ed with matching plot #.	(Y) N	
	datasheet with initials and number	(Y) N	
Vouchers labeled on		(Y) N	
Pink flags removed	ontonion out	(Y) N	
Data sheet QA before	e leaving site?	Y) N	
Common equipment		YN	
Data sheets scanned		1 1	Enter date to left SQ-8/2/12
Final data sheets scar			Enter date to left
Buffer Widths measu		(Y) N	KEL 7-3-12
Web Soil Survey	acu:	Y) N	50 0/2/12
Voucher Location	Refrigerator	YN	30013112
# vouchers collected)	Press (#)	I N	Testas pure handa 1-8
# vouchers collected)			Enter number to left
	Drier	Y N	
	Identified		
	Mounted	Y N	***************************************
	Thrown away	I Y N	
GRTS point verifice	ntion: Is plot sampleable?		
ıt Yes	Original GRTS point is sampleable		
_ DO	Original GRTS point lands in a non-	sampleable area (f	ill in category below)
	□ Point falls in a water (i.e. river, l	ake)	
	☐ Managed mowed area (i.e. golf	course, picnic area, rigl	nt-of-way)
	□ Paved area (i.e. parkinglot, road) □ Unsafe to sample (i.e. steep slope	Λ.	
	☐ Unsafe to sample (i.e. steep slope☐ Other		
dditional Commen			
	+ North coast Healt	thcare	· ·
			9

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
	Plot placement: #GRTS - Representative	ichen
	Photo Nos.: UR6	У
Jack Cin	Camera No.:	vascul. (n/a
Harbitrax, seed ingo comus se solidoso como	Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED	high modera. low not smpl
morrowii Rasa multithra, corpinus caroliniana	Depth: (1-5): 4	TAXONOMIC ACCURACY
Short Azer rubrum, Logicera Maackii, Lonice	X-axis Bearing of plot: [30] °	Hurried data
Tsuga canadensi S. Myssa sy Notica	Plot size for cover data: (5, (hectares)	Accurate may still provide good
Quercus rubia, Acer saccharum, Acer saccharillum,	GPS File Name: 12671	Very thorough how much effort put into
Liriodendra tulipitora, Plotanu occidentalis,	Coord. Accuracy: I'm I ft 1. Z +-	Effort Level: subjective evaluation of
UCS Char; Canopy - Azer Nown, Sossations a loidum	Longitude: 81.57704	SAMPLING QUALITY*
	Latitude: 41,35136	□ Perm. water □ Paved □ Slope □ Safety
TEMPRET OF U FORT	$x = \bigcirc y = \bigcirc \text{(base of plot } x=0, y=0)$	PLOT NOT SAMPLED: - Other
Park at Northwast Healthcare, 60 m across	GPS location in plot $x=0$ to 5, $y=-1,0,+1$):	Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.
Lace-Holli 66m from Northcoast healthcare	Datum: ■ NAD83/WGS84 □ NAD27	
	□ Other (specify') ■ m □ ft □	N. Limmerman ""
Layout, 2x5	■ Lat/Long □ UTM □ StatePlane ■ deg □ deg min	J. Catella Woody/so:15
dominants, strata, BROWSE). Additional notes in space on back.	Coordinate system: Coord, Units	A. Yaing Bot Asst,
NO LES: include Layout (any unusual snape details), Location (directions and landscape content), Rationale (why here), and Veg Characterization (description of community,	Source of coordinates MAP GPS	Z Sonton Plot leader
Key: (0,0) point point with direction permanent posts	If data not public why?	Party Role**
Diagram Plot origin GPS location photo taken, location of	Reason:	End date (if > 1 day): / /
. #3	□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	Date (mm/dd/yyyy): 7/3///2
2 1 2	Check one: Depublic data Derivate Data	Level 5 (nested corners sampled)
2 1 2 1	Data Confidentiality:	Level 4 (no nested corners sampled)
plot: #10 #8 #7 #6	Landowner: CM	Plot No.: 12C7
2-10 3 4 3 4	Meathleme-latin across sagarous and	What no sumaci
peer trail	Local Place Names Perk at North Count	Plot Name:
	angle: No. 45t	Project Name: 6/R > 2017
	County:-	Project Label: PCAP
	LOCATION Coyhoga	GENERAL INFORMATION
Data Sheet Days F Pin - Bring Pins 1 Page 1 of 2	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet いるからよう	CLEVELAND METROPARKS Plant Cor

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Company Comp	CM PCAP Spe	>	٦ ٢) K	10) 1	21	Ja	٠ (<i>n</i> ,	121	121	1,7	2,1	7 1	3 1) K	٧ >	2 12	17	12				1	11	Ī	ata - Cov. entir	e wopark	develand	②	otal module	roject Labe
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Natural Resource Management FORM NR/2010-02a

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Total modules:		Intensive modules:	Plot co	Plot configuration:		Plot area (ha):		
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2 2 7 工 ھ 2 S رو CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet رو Fratinus Prunis seroting Explain subsample (additional room on back) Liviedandran tulipity ACEY YUDYUM Cornus Sp. Fraxinus sp. Platinus accidentalis 8050 multillora A CON SOCCHONUM ACRY YUDYUM Sassafras Standing ACRY sacchaning Standing dead LOWICEYON WOTTOWN Sassakvas A COX YUBYUM Standing dead MICERA MONTOWN ACRY YUDYUM MY 1917 1800 albidum Project Label: albidum PCAP voucher# # stems browsed 0-1.4m or super sample % sub Project Name: OIBe 2012 clumps shrub size class (cm) woody stems >1.4m P-<1 1-<2.5 2.5-<5 Plot No .: 1267 5-<10 10 - <15 15 - <20 a 20 - <25 Page: 25 - < 30 30 - <35 으 Scienciand Metroparks 35 - <40 ö 54,0 >40 (record each tree) =

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7	Project Label: PCAP Project Name: の トラー Project Name: の Proje	1 2	PCAP	Assessn	Project	Name: C	TI Be	m Program Natural Woody St Project Name: <u>の)らっ 入り</u> し	tem Da	Plot No.: 1367	1267		Page:	ىو	of •	Chevelo	Oleveland Metroparks
	Explain subsample (additional room on back):	n bac	Š														
					% sub		ize class (size class (cm) woody stems >1.4m	y stems >	1.4m		Š			V		
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	CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	Community	Assessn	ent Pro	gram N	atural M	loody S	tem Dat	a Sheet						Clewel	(P) Cleweland Methodaks
		Project Label: P Explain subsample (additional room on back):	PCAP	'	Project	Name:	01B c	Project Name: OIR & FOID		Plot No.: _}	1267		Page:	C	of		
				# stems 0-1.4m	% sub	shrub s	ize class (size class (cm) woody stems >1.4m	y stems >	1.4m	U1	o	7	co	9	70	1
_	00	Species Species	voucisi#	picwsed	sample	ciumps	2	6.72-1	4 7.5-45	0.410	10-10	075 - 61	52> - 07	23 - <30	30 - <35	35 - <40	And fraction and the second and the
<	2	-7							×								
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CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: OI BC 2D12

Plot No.: 1267

(P) Dissestant Webu parks Page: 1 of 1

in 0 Im clip plots (23.432 cm) form corners I and 3 in each intensive module. Required for VIBI-E score calculation. C?=check when collected	from corners 1 and score calculation. (3 in each	intensive
Module #	C7	Corner Corner	Corner

CLASSIFICATION		
(FIT = excellent g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
DEPRESSION	File	Conf=
n IMPOUNDMENT o Beaver o Human	1	Conf=
DRIVERINE D Headwater D Mainstern D Channel	1	Conf=
D SLOPE (ground water hydrology or on a physical slop)	E	Conf=
D FRINGING D Reservoir D Natural Lake	Fit	Conf=
COASTAL (specify subclass)	FI	Conf=
BOG (strongly, moderately, weekly ombrotrophic)	Fil=	Conf=
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	Ë	
□ FOREST □ swamp forest □ bog forest □ forest seep	Fil-	Conf=
□ EMERGEN1 □ marsh □ wet meadow □ open bog	=======================================	Conf=
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	Fit=	Conf≖

+135 degrees

SE

+90 degrees +45 degrees At aspect

horizon. TSI is angles formed by local slopes. For TSI measure

NE NE

z

LFI is angle of plot to the

Slope 2 = falls on slope ~20 °

Slope 3 = maximum sleepness that can be safely sampled ~45°

feature is absent or functionally absent from the wetland

Slope 1 = slight elevational grade across module (hill)

- 3 feature is present in the welland 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

_			-			-		Т					
			٥	~	W	بو	mod#						
							corner.						
			a	0	0	0	(count)	lxim	depth 3		tussocks	no, of	
			0	0	0	0	(count)	3,16x3,16m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
			_	_	-	رم	(count)	10x10m	depth I		depressions	no, macro.	
		Š	27	30	18	15	(count)	10x10m	depth I		(2-12 cm)	c,w,d	c.w.d count
			C	0	0	0	(count)	10x10m	depth 1		(12-40cm)	c.w.d	for pieces with r
			0	0	0	0	(count)	10x10m	depth 1		>40 cm	c.w.d	c.w.d count for pieces with minimum 1m length
			ย	မ	ບ	رو	(rank)	10x10m	depth 1		interspers.	microhab.	
				_	0		(rank)	10x10m	SLOPE			microhab.	

[FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]

McNAB INDICES (degrees) + for up - for down

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

"Terrain Shape Index (site microtopographic shape)

Landform Index (position within landscape)

+315 degrees +270 degrees +225 degrees +180 degrees

¥N

٤

away.

SW

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

q	8	3	1-3	Nodule	corresonanty space. (+ dots per grid square)
Ċιù	ઈ	7	D/	Z	ace. (4 dois pe
5	ۍ	7	7	S	Bun square
ン	Ĭ	2	6	E	,
ىو	2	w	٦	W	L

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

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: O BC 2012

Plot No .: 1267

(P) Oktove burnet / Nethropanies

Page: 1 of 1

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

Soll pit module # (one per entire plot) 20 cm 6 cm matrix color (OYK 3/3 texture* texture* matrix color tydro cond *** redox features** xid roots xid roots mottle ydr cond *** mottle dox features** ottle color ottle color N S I 0/0-S のイデンプ 0 0 nla 3 0 3 z Z

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

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

Sunarmandad 20 evidence 30

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

TRAIL INFORMATION:

record type and cover for each

Type

%Cover

All Purpose Bridle

		X	0			P	TO		S	S	200	2,	S
	Impen	Some	Well d	Exces		rent N	pth to	ndfor	il Seri	il Seri		,8,9 c	ii Coli
	neable	what po	Well drained	Excessively dr.		Parent Material	Depth to rest, Layer:	Landform type	es Sou	Soil Series/Type:		2,3,8,9 composited	ection
	□ Impermeable surface	Somewhat poorly dr		÷		1	ayer:		rce O	1-		ited	Modu
	Ä		D Ma	□ Son		200	>80:	122	hio So	8			Hor
0	h	Very poorly dr.	Moderately well dr.	 Somewhat excessively 		acuatione deposits	Õ	gracier lakeo,	Soil Series Source Ohio Soil Survey	Etchville Sitteam			Soil Collection Module Horizon (A, B, C)
X	К	poorl /	ly wel	exces		2,		cet	ey	100		Н	, B, C
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8/2/12						ĬŅ.		Knows		3			
•					Contract of the last	W				-			

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

٥	8	% 3	N	mod#
3.5	4.5	رو	دو	l litter+ organic depth
3	Q.	1.9	٥-1	2 litter depth (cm)
0	0	0	0	water depth (cm)
>30	>30	>30	>30	depth sat

*** >5 cm in diameter Rand/Trail	**Boulder = > 10 in Bare Soil	* Gravel-Cobble = 1/16-10" Water	Bedrock Bryophyte- Lichen	Boulder** O Duff (Ferm + Humus)	Gravel-Cobble* 0 Litter	Mineral Soil / 00 Fine Woody Debris****	Histosol O Coarse Woody Debris***	(Sum = 100%) percent (Each \le 100%)	Underlying Earth Surface* Ground Cover	EARTH SURFACE & GROUND COVER
2	2	0	a .	mus) 97	97	7	ebris***	percent		

Hiking sanctioned

Gravel

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COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	
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o < plot size</p>

** submersed, most plant mass below surface

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

STAND SIZE >600 x plot size > 100 x plot size 10-100 x plot size 3-10 x plot size
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Cleveland Metroparks CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey GPS Tier 1: Early detection/ Rapid response Presence NE SW NW SE Presence Microstegium vimineum Japanese stiltgrass X: yes Ranunculus ficaria Lesser Celandine Cynanchum louiseae (vine) Black Swallow-wort Butomus umbellatus (wetland) Flowering Rush Giant Hogweed Heracleum mantegazzianum Tier 2: Assess as Needed # of Plants comments NE SE SW # of Plants Norway Maple 1: 1-10 Acer platanoides Ailanthus altissima Tree of Heaven 2: 11-50. Lonicera japonica Japanese Honeysuckle 3: 51-100 (vine) H Lythrum salicaria (wetland) Purple Loosestrife 4: 101-1,000 Aegopodium podagraria (G-cover) Bishop's Goutweed 5: >1,000 Celastrus orbiculatus Asian Bittersweet (vine) SRE 8-23-12 Torilis sp. Hedgeparsley Conium maculatum Poison Hemlock Rhamnus cathartica Common Buckthorn (shrub) Berberis thunbergii Japanese Barberry (shrub) Alnus glutinosa European Alder Dipsacus laciniatus Cut-leaf Teasel Elaeagnus umbellata Autumn Olive (shrub) Lonicera maackii Amur Honeysuckle (shrub) Euonymus fortunei Wintercreeper Tier 3: Presence is of Interest # of Plants comments NW NE SE SW # of Plants Convallaria majalis (G-cover) Lily of the Valley 1: 1-10 Coronilla varia (G-cover) Crown Vetch 2: 11-50. Five-leaf Aralia Eleutherococcus pentaphyllus (shrub) 3: 51-100 Pachysandra terminalis (G-cover) Japanese Pachysandra 4: 101-1,000 Philadelphus coronarius Mock Orange (shrub) 5: >1,000 Pulmonaria officinalis (G-cover) Lungwort Rubus phoenicolasius Wineberry Iris pseudacorus (wetland) Yellow Flag Iris Ornithogalum umbellatum Star of Bethlehem Viburnum opulus var. opulus European Cranberry (shrub) Viburnum plicatum Doublefile Viburnum (shrub) Tier 4: Widespread and abundant Presence comments NW Presence NE SE SW 4 2 Alliaria petiolata Garlic Mustard X: yes Ligustrum vulgare Common Privet (shrub) L. morrowii, L. tatarica **Bush Honeysuckles** (shrub) 4 Phalaris arundinacea Reed Canarygrass Phragmites australis (wetland) Phragmites Polygonum cuspidatum Japanese Knotweed Frangula alnus Glossy Buckthorn (shrub) Rosa multiflora 4 24 5 Multiflora Rose (shrub) Typha angustifolia, T. x.glauca Cattails (wetland) Canada thistle Cirsium arvense Dipsacus fullonum Common Teasel

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

(G-cover)

Dame's Rocket

Periwinkle

Hesperis matronalis

Vinca minor

Site I	D: p	c A	PB	D	ıa e	7	FOI	RM B-1:	BUFF	ER	SAI	MPL	ΕP	LO1		ront) ≅ <u>, </u>	Til -	Review				 a	•
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Fill in bubble Strata Section	es for all thon:	hat appaprop	ply: Ca priate o	nopy cover	Type:	D = I bubbl	Deciduou e for eac	s; E = Evergre	Buffer en. Leaf T or each pio	ype: E	B = Bro	oadlea	f; N =	Needl	e Leaf. A	Absent: No tre oderate(10-40	e canopy. %); 3 = Hea	avy (40)-75%)	; 4 = \	/ery H	eavy	>75%)
Buffer Plot 1) (\leftarrow	bser	t: O	Buffer Plot 2	Canop	y Typ f Typ	\rightarrow		-	bsen	t: O	Buffer Plot 3	Canopy	/ Type	$\stackrel{\sim}{\sim}$	(E)	-	sent	: O
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Road - two	lane			0	0	0		(IMPEDE FLO	W)			0	0	0		Range				0	0	0	
Big Trees (>0.3m DBH) ① ① Small Trees (<0.3m DBH) ② ① Woody Shrubs, Sapiings (0.5m-5m HIGH) Woody Shrubs, Sapiings (<0.5m HIGH) Herbs, Forbs and Grasses Bare ground ② ① Litter, duff ② ① Rock ② ① Water ③ ① Stressor Presence/A				0	0	0		Water Levi		Lightenique mont stiller	cture	-	0	0		Row Crops	THE PERSON NAMED IN	DERT	10	0	0	0	
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Gas Wells				0	0	0		Forest,Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cuttin	a		0	0	0	
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								s; E = Evergre		ype: E	3 = Br	oadlea	f; N =	Needl	e Leaf. A	Absent: No tree oderate(10-40°	e canopy. %); 3 = Heavy (40-75%	6); 4 = \	/ery H	eavy	(>75%)
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	Rock	0	@	0	0	0			Rock	(3)	0	①	3	0			Rock ① ①	0	3	0	
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Other:	trial D	aval		0	0	0		Other:		11/8	15 M	0	O	O	ozoto	Other:		0	0	0	
			all the same	1														10000			
ill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	If preser	nt– F	Plot		2	3	Flag	Fill bubb	le if present - Plot		2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se	0	0	0	
Gas Wells		GVE		0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	ub Cutting	0	0	0	
Mine (surface)			0	0	0		Tree Planta				0	0	0	-	Trails		0	0	0	_/	
Mine (underground)			0	0	0		Tree Canop	y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H		0	0	0		
Military			0	0	0		Shrub Layer	rowsed	j		0	0	0	2 C C C C C C C C C C C C C C C C C C C	Control of the last	icle damage	0	0	0		
Other			0	0	Ō		Highly Graz (OVERALL <3*	ed Grass	es		0	0	0	-		(FROM WIND, WATER,	A PROPERTY OF	0	O		
Other:			0	0	O		Recently Bu		est		0	0	0		OR OVERUSE) Other:		0	0	0		
			0	in the	GARAGE.		Canopy Recently Bu	med Gra	sslar	nd	0	0	5		Other:		0	(SEE)	Toronto.		
Other: Flag codes: K = No me				THE LABOR	O	O	Contract Contract	(BLACKENED)	mam ant	E4 E4) pda	The state of	STATE OF THE PARTY.	0					0	0	
	g codes:	N. Name			ment	Exp		ags in comm							Ausd n	y sacti ilelu Ci	ew. 4	1 8	3304	TREST.	

								1.1						1222	11-24-5								
						FC	RM I	p-1: ΝΝ	CA BU	JFF	ER	SAN	IPLI	E PI	LOTS	(From,	F	Review	red by	(initial)			
Site I	D:	N	WC/	A11	- P	CAP	Bell	367													1 6	3	
Locatio	on:			BIN		T _{kan}			Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ld not be	sample	d aı	nd fl	ag -	→]		
OAAC	Tell in bubble(s) if plot(s) could not be sampled and flag → Plot 2 Plot 3 Plo																						
Fill in bubble Strata Section	Site ID: NWCA11- P(APPE) ACT PIII in bubble(s) if plot(s) could not be sampled and flag set in the sampled and flag set in the sampled set in t																						
Buffer	Canopy	/ Typ	e: 🚳) () Al	sen	: O	Buffer	Сапору	у Тур	e: 🍊) (E) Ab	sent	: 0	Buffer	Canopy	Туре	e: ((E)	Ab	sent:	0
Plot 1			_		-		Flag		1,637	ALC: U	- 2				Flag		Leaf	Туре	: (0			Flag
Big Trees (>	0.3m DBH)	0	0	0	0	0		Big Trees (:	0.3m DBH)	0	0	0	(3)	0		Big Trees	(>0.3m DBH)	0	0	0	0	⊙	
mall Trees (<	0.3m DBH)	0	Ō		<u></u>	Do-Carolii		Small Trees (<0.3m OBH)	0	Ö	0	0	0		Small Trees	(<0.3m DBH)	0	0	0	0	(9)	
Voody Shrubs	, Saplings	0		The second second	0	Daniel S				0	Ō			0				0	0	0	0	0	
Voody Shrubs	, Saplings	-	Branch C.	State of the last	100	10000		Woody Shrub	s, Saplings			0	-	Ō		Woody Shru	bs, Saplings	0	(3)	0	0	0	(C-Syre)
Herbs, F	orbs and		-			Standy			Forbs and			_		(3)			Forbs and		AND THE	0		0	y F
77		~		0	8			Bare	and market school			0				Bar		0	0	0	0	0	
Litt	ter, duff	-	2001	Distance (ST		District of							_	$\overline{\odot}$		1	itter, duff	0	0	0	0	0	
	Rock					Dec. of			Rock	0			ST - TO			11	Rock			-	_	0	
	Water		10	-		-	= -		Water			0			1	1	Water	100	-		_		
										0	0	0			0 1			(6)	0	0	0	<u>o</u> l	
		Ps. 455	Day and B	1			rm that			-	tes p	esen	ce and		unfilled			nce l	by filli	ng thi		ble.	9
		- No.								1000		No.	4	The second					300.07			3 23	
				1			Flag					1	2	3	Flag				- 1	211		- 1	Flag
					NAME OF					alize.	16	0		2000		Pasture/Ha	By			0	0	0	
Land to be a second				-	Difference of the			Dike/Dam	/Road/RR		1	1	1890 (67)	-			1.00					100,000	
			History.							l Stru	cture	+	-	100000		Row Crops	3						
Parking Lo	t/Paven	nent		100-100	-			Excavation	n, Dredgi	ng		-	0	0				RESTI	NG	0	0	0	
Golf Cours	se			A		0		Fill/Spoil E	Banks	•		0	0	0		Fallow Fiel	d (OLD - GR	ASS,		0	0	0	
Lawn/Park		119		0	0	0				Sedin	nent	0	0	0						0	0	0	
Suburban	Residen	tial		0	0	0	4	100	1100	osure		0	0	0		Dairy				0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	ip			0	0	0		Orchard				0	0	0	
Landfill				0	0	0	100	Se to a second second				0	0	-		County Indian		ding		0	Service State		0.0
Dumping				0	0	0	1	(EFFLUENT	OR STORM	VATE	₹)	0	0				dential			-		-	
Trash				0	0	0		(SHEETFLO	N)					1						-	_	SERVICE STREET	
Other:				0		1000, 110			eadurate	1 57	CON	T SHALL SE	-	-				200-200-7000000000	100 E 10	100	-		
Other:				0	0	0		Other:				10	0	0	SERVICE D	Other:	Trace Land			0	0	0	505000
Indus	strial D	evel	opm	ent S	Stres	sor	5						Habit	tat/V	egeta	tion Stres	sors						
ill bubble	if pres	ent-	Plot	1	2	3	Flag	Fili bubble	if prese	nt - I	Piot	1	2	3	Flag	Fill bubb	ole if pres	ent -	Plot	1	2	3	Flag
Oil Drilling		P		0	0	0		Forest Clea	ar Cut			0	0	0		Herbicide l	Jse			0	0	0	
Gas Wells			6 1	0	0	0		Forest Sele	ective Cut	t		0	0	0		Mowing/Sh	rub Cuttin	g		0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta	ation			0	0	0		Trails				0	0	0	
Mine (und	erground	1)	1	0	0	0		Tree Cano	py Herbiv	огу		0	0	0		Soil Compa (ANIMAL OR I				0	0	0	
Military				0	0	0		Shrub Laye		d		0	0	0		Offroad ve	66	ige		0	0	0	
Other: 6	AS PIP	PLIN	E	0	0	0	1	Highly Gra. (OVERALL <3	zed Grass	ses		0	0	0		Soil erosion		VD, W	ATER,	0	0	0	
Other:				0	0	0		Recently B	urned Fo	rest		0	0	0		Other:	diniza.			0	0	0	
Other:	HINTER WEE	2010		0	0	0	-	Recently B		assla	nd	0	0	0		Other:				0	0	0	
				10	1		SCHOOL STATE	(BLACKENED											862	100!	1000		
1000																		-	002		ノンせて	100	

				FO	RM B-1:	BUFF	ER	SAI	MPL	E P	LO.	TS (F	ront)		Reviev	ved by (Initial):		
Site ID: PCAPB	e1:	21,	7									DATI	E: 0.7	131	1	2	0	1 -	2_	
Location:		15.5	7			Fill	in b	ubb	le(s) if p	olot(uld not be						T	
OAA Center ON		S	01	E C	w	OP	lot '		•	Plot	2	01	Plot 3						1	2
Fill in bubbles for all that apply. Ca Strata Section: Fill in appropriate	anopy cover	Type:	: D = D	eciduo for eac	us; E = Evergr ch strata type f	Buffer een. Leaf T or each plo	vpe: B	= Br	oadlea	f: N =	Need	le Leaf.	Absent: No tre oderate(10-40	e canopy. %); 3 = Hea	avy (40	-75%);	4 = \	/ery H	eavy	(>75%)
Buffer Canopy Type:) () A	bsen	t: O	Buffer	Canop	у Тур	e: (°) A	bsen	t O	Buffer	Canopy	/ Тур	e: (b)	Œ) AI	sen	t: O
Piot 1 Leaf Type:) (Flag	Piot 2	Lea	f Typ	e: 🕝) (Flag	Piot 3	Leat	Туре	e: (1)	(2)			Flag
Big Trees (>0.3m DBH)	1	3	0		Big Trees (>0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH)	0	0	①	0	0	
Small Trees (<0.3m DBH)	0	0	3		Small Trees	(<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH)	0	0	2	0	0	
Woody Shrubs, Saplings (0.5m-5m HIGH)	0	3	0		Woody Shrul (0.5r	os, Saplings n-5m HIGH)	0	0	0	0	0			ubs, Saplings im-5m HIGH)		0	0	0	0	
Woody Shrubs, Saplings (<0.5m HiGH)	0	0	0		Woody Shrui	os, Saplings 0.5m HIGH)	0	0	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	<u></u>	0	0	0	0	
Herbs, Forbs and Grasses	0	•	0			Forbs and Grasses	0	0	0	0	0			Forbs and Grasses	0	0	<u>.</u>	<u>3</u>	0	
Bare ground	0	3	0		Bar	e ground	0	0	0	0	0		Baı	e ground	0	0	<u>0</u>	①	Ō	
Litter, duff ① ①	0	0	0		L	itter, duff	0	0	0	0	0		L	itter, duff	0	-	<u>0</u>	<u></u>	0	
Rock 🕡 🛈	0	0	0			Rock	0	0	0	0	0			Rock	Ō	Ō	0	0	0	
Water 🙆 🕦	0	0	0			Water	0	0	(1)	0	$\overline{\odot}$			Water	0	0	0	0	$\overline{\odot}$	
Submerged	0	(1)	0			ubmerged	ŏ	$\frac{\circ}{\odot}$	3	0	$\overline{\odot}$			Submerged	-	0	<u>0</u>	0	$\overline{\odot}$	
Stressor Presence/Ab		_	1	m tha		egetation bubble in	1	_			No. of Contract of	unfilled		Vegetation cates abse				_	_	0
Residential and Urba			E tolys		auto avenue	Hydrolo		Company of the last of the las	937					Agricult			- Un		5100	
Fill bubble if present - Plot	1	2	3	Flag	Fill bubbi			ATT LINE	1	2	3	Flag				- 1	1	2	3	Flag
Road - gravel	0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	IV			0	0	0	
Road - two lane	•	0	0	3	Dike/Dam	/Road/RR	resubties to Science		0	0	0		Range				0	0	0	
Road - four lane	0	0	0		Water Lev	MPONUMENT.	l Stru	cture	1	0	0		Row Crops				0	0	0	
Parking Lot/Pavement	0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel		RESTIN	NG	0	O	0	
Golf Course	0	0	0		Fill/Spoil E	Banks			0	0	0		Fallow Fiel	d (OLD-GR	ASS,		0	0	0	
Lawn/Park	0	0	0		Freshly De		Sedim	ent	0	0	0		Nursery				0	0	0	
Suburban Residential	0	0	0		Soil Loss/	Personal room research	osure		0	0	0		Dairy				0	0	0	
Urban/Multifamily	0	0	0		Wall/Ripra	р			0	0	0		Orchard				0	0	0	
Landfill	0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping	0	0	O		Point Soul	DR.STORMV			0	0	0		Rural Resi	dential			0	0	0	
Trash	0	0	0		(SHEETFLOV		input		0	0	0		Gravel Pit				0	0	0	
Other:	0	0	0		Other:				0	0	0		Imgation				0	0	0	
Other:	0	0	0		Other:				0	0	0		Other:			ě	0	0	0	-
Industrial Developme	ent S	tres	sors	}						Habi	tat/V	egeta	tion Stress	OFS						
Fill bubble if present-Plot	1	2	3	Flag	Fill bubble	If preser	nt- P	lot	1	2	3	Flag	Fill bubb	le if prese	ent - T	Plot	1	2	3	Flag
Oil Drilling	0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se			0	0	0	
Gas Wells	0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	ub Cutting			•	0	0	
Mine (surface)	0	0	0		Tree Planta	tion			0	0	0		Trails				0	0	0	1
Mine (underground)	0	0	O		Tree Canop	WITH THE PROPERTY OF THE PROPE	огу		0	0	0		Soil Compa (ANIMAL OR H	ction		SCHOOL SH	0	0	0	
Military	0	0	0		Shrub Laye		d	1.00	0	0	0		Offroad veh		ae	a delicated and	0	0	0	
Other	0	0	0		(WILD OR DON Highly Graz	ed Grass	es		0	0	0		Sollierosion	(FROM WIN	and the same of	TCD	0	0	Ó	
Other:	0	(Street)	Ö		(OVERALL <3" Recently Bu		est	2000) 2000)	and leading	0	0		OR OVERUSE) Other:	2000			990	2010.0	desertion.	
	grants.	0	200475	-	Canopy Recently Bu	ırned Gra	sslan	d	0	a war	3.000.0				Carrier St. c.	-77	0	0	0	
Other:	0	0	0	n on	(BLACKENED)				0	0	0		Other:			100	0	0	0	

Fiag codes: K = No measurement made, U = Suspect measurement, F1,F2, etc. = misc. flags assigned by each field crew.

Explain all flags in comment section on the back of this form

Buffer Sample Plots 05/27/2011

2428168304



FORM D-1: NVCA BUFFER SAMPLE PLOT													OTS	ti com		Review	ed by (initial):		_ (
Site I	D:	N۱	NC	A11	P	AF	Bel	267							DATE	: 0.7	131	_/	2	0	1 1	12	
Locatio	on:			1,21					Fill	in b	ubb	le(s)	if p	lot(s) cou	ld not be	sample	d ar	nd fla	ag –	→		
OAAC	enter	0	N	0	S	OE		W	OP	populación.			Plot			lot 3							
Fill in bubble Strata Section	es for all th on: Fill in a	at app	oly: Ca criate c	nopy over c	Гура: lass b	D = D oubble	eciduou for eacl	e E = Everare	Buffer en. Leaf T or each plo	me P	= Brr	adlea	FN=N	Jeedle	leaf A	bsent: No tree derate(10-409	e canopy. %); 3 = Hea	vy (40-	-75%);	4 = Ve	ery He	avy (>75%)
Buffer	Canopy	/ Тур	e: (2	() At	sent	: O	Buffer	Canopy	у Тур	e: (1	() Ab	sent	: 0	Buffer	Canopy	Туре	: 🚱	(1)	Abs	ent:	0
Piot 1	Lea	f Тур	e: ((Flag	Plot 2	Lea	f Typ	e: () (Flag	Piot 3	Leaf	Туре		0	1		Flag
Big Trees (>	0.3m DBH)	0	0	•	0	0		Big Trees (0.3m DBH)	0	0	9	0	0		Big Trees	(>0.3m DBH)	0	0	0		0	
Small Trees (<	:0.3m DBH)	0	0	0	0	0		Small Trees (<0,3m DBH)	0	0	②		0		Small Trees		0	0	0	0	0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	•	0	0		Woody Shrub (0.5n	s, Saplings 1-5m HiGH)	0		0	0	0		(0.5	ibs, Saplings m-5m HIGH)	0	0	0	0	0	
Woody Shrubs (<0.	, Saplings .5m HIGH)	0	0	0	0	0		Woody Shrub (<(s, Saplings).5m HIGH)	0	0	0	0	0	0		0.5m HIGH)	0	9	0		0	
Herbs, F	orbs and Grasses	0	0	0		0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0	
Bare	ground		0	0	3	0		Bare	ground	0	•	2	0	0		Bar	e ground	0	0	0	0	0	
Lit	ter, duff	0	0	0	0	0		Li	tter, duff	0	0	0	0	9		- Cont	itter, duff	0	0	0	0		
	Rock O O O O							lands in	Rock	0	0	0	0	0	, al	10	Rock	0	0	0	0	0	
	Water 0 0 0 0								Water	•	0	0	0	0			Water		0	0	0	0	
	Submerged Vegetation 0 0 0 0								ubmerged /egetation	0	0	0	0	0	0		Submerged Vegetation	•	0	0	0	0	ujantayaangtscooss
		senc	e/Ab	send	e - (Confi	rm that	a filled data	bubble i	ndica	tes p	resen	ce an	d an i	unfilled	bubble indi	cates abse	ence t	oy filli	ng this	s bub	ble. I	0 <
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Str															tress	ors							
Fill bubble	e if prese	ent - l	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - P	lot	1	2	3	Flag
Road - gravel O O O					Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ay			0	0	0				
Road - two	o lane			0	0	0		Dike/Dam (IMPEDE FLO		Red		0	0	0		Range				0	0	0	
Road - fou	ır lane	100		0	0	0		Water Lev	el Contra	l Stra	icture	0	0	0		Row Crops				0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation	n, Dredgii	ng		0	0	0		Fallow Fiel	D)	01 J.K.	NG	0	0	0	
Golf Cour	se			0	0	0		Fill/Spoil				0	0	0		Fallow Flei SHRUBS, TRI		ASS,		0	0	0	
Lawn/Parl	k			0	0	0		Freshly Do	TED)		DOM:	0	0	0		Nursery				0	9	0	
Suburban	Residen	itial		0	0	0		Soil Loss		osure		0	0	0		Dairy				0	0	0	
Urban/Mu	ltifamily			0	0	0	- Citte	Wall/Ripra				10	0	0		Orchard				9	9	0	_
Landfill		100		0	0	0	-	Inlets, Ou Point Sou				0	0	0		Confined A		aing		0	0	0	
Dumping				0	0	0	1	(EFFLUENT Imperviou	OR STORM	WATE	₹) t	0	0	0		Gravel Pit	German			0	0	0	
Trash		Amilion		0	0	•		(SHEETFLO				0	0	0		Irrigation				0	0	0	
Other:		Name and Address		0	0	0		Other:		(direct	-	0	0	0		Other:				0	0	0	_
Other:	strial D	evel	ODE	₽Ø	O	0	8	Other:						Non-	egeta	tion Stres	sors			٠	<u> </u>	9	
Fill bubble	-		100	1	2	3	Flag	Fill bubble	if prese	nt -	Plot	1	2	3	Flag	Fill bubb	ole if pres	ent -	Plot	1	2	3	Flag
	Lieby	Olic:	r loc		10000		riug					0	0	0		Herbicide l				0	0	0	
	Oil Drilling O O O					Forest Sel				0	0	0		Mowing/Sh		ıa		0	0	0			
Gas Wells OOO							L		0	0	0	-	Trails	Tub Guttin	9		0	0	0	_			
Mine (surface)					Tree Cano		ory		-		-	-	Soil Compa	action			0	0	0	_			
Mine (underground)					-	(INSECT) Shrub Lay		1000		0	0	0		Offroad ve	Maria Say Ethiol	ana		0	0	0			
Military 0 0 0					(WILD OR DO	MESTIC)			0	0	0		Soll erosio			ATER,		12.5	12.00				
Other: 0 0 0					(OVERALL <3	" HIGH)			0	0	0	-	OR OVERUSE				0	0	0	-			
Other: 0 0 0					Canopy Recently E			nd	0	0	0		Other:			10000	0	0	0				
Other:				0	0	0		(BLACKENED		43316	, 10	0	0	0	<u></u>	Other:	7.01.00			0	0	0	120
0	IWCA Bu	ıffer S	Samp	le Plo	ots (03/09	9/2011												862	100	5046		