CLEVELAND MET	ΓROPARKS Plant Community Assess	sment Progran	n: Quality Control Form	© Cleveland Metroparks
Project Label:	PCAP	_ Plot N	io: 1221 Date Sampled: 6/1	
Parking/Access outsi	de of Park Boundaries:	(Ý) N	Comment required if i	
Field journals comple		Ø N	if yes, write details in Comments s	ection below
Site sketch made on		Ø N		
Check cover page	X-axis Bearing of plot recorded	Ø N		
Check cover page	GPS coords. Recorded	(Ý) N	2.50	
	North direction recorded	(D) N	<u> </u>	
	Photographs taken?	(5) N		
Plot No. Data agrees		YN		33770-0-0327
Plot No., Date agreer			NAME OF TAXABLE PARTY.	72-738-738
Header data complete				
	ed in all Intensive modules	Y N		
Browse Level By Spo				
Woody stem quality		G N		
Invasive plant quality	control check	N (V) N		300004500
Ash trees mapped		Ø N		
Cover by Strata? (cor	nfirm cover type)	⑤ N		
Soil samples collecte	d with matching plot #.	(Y) N		
Vouchers labeled on	datasheet with initials and number	Ý N		
Vouchers labeled on	collection bag	√ N	ar way	
Pink flags removed		(Y) N		
Data sheet QA before	leaving site?	Ø N		
Common equipment	returned to tub.	Gs N		2.9120
Data sheets scanned?		6/18/1	Enter date to left NZ	
Final data sheets scan	ned?		Enter date to left	;
Buffer Widths measu	red?	Y N	LH 6-22-12	
Web Soil Survey		(r) N	JTP 6-8-2012	
Voucher Location	Refrigerator	Y N		
(# vouchers collected)	Press (#)		Enter number to left	
MFB005-	Drier	Y N		
MFB014	Identified	Y N		
Pil Bol (Mounted	YN		
	Thrown away	YN		
	Timownaway	1 1 1		
CDTS:-4:6	4 Yl-4		1	, ,
	tion: Is plot sampleable?			
ò√ Yes	Original GRTS point is sampleable			
□ No	Original GRTS point lands in a non-sa		(fill in category below)	
	Point falls in a water (i.e. river, lai			
	☐ Managed mowed area (i.e. golf co	ourse, picnic area, i	igin-oi-way)	
	☐ Unsafe to sample (i.e. steep slope)			
	□ Other	•		
Additional Commen	The second secon			
Porkat E.	nd of Echo Hill dr.			
	-			
	W- WINDSTEIN III III III III III III III III III			

Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: つパらく 2012	nent Program Species Cover Data Project name: <u>○ハらく</u> 2らい	es Co	Over 2	Data	She	et 2a	Plot no.	no.:	0:: 1221						Page		of	W	1	
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Natural Resource Management FORM NR/2010-02a

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CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sneet Project Label: PCAP Project Name: 0 8 20 20 20 20 20 20 20 20 20 20 20 20 20	H C	PCAP	Assessm	Project	nt Program Name:	0) 6	01622012	2 F	Plot No.:	1221		Page:	_	<u>م</u>	() Clevelo	© Cleveland Metropaits
	Explain subsample (additional room on back):	n bac	ck):		l.												
					% sub		ize class (cm) wood	size class (cm) woody stems >1.4m	.4m	,	n	,		P	5	=
mod #	species	c	voucher#	browsed	sample	clumps	P-^1	1-<2.5	2.5-<5	5-<10	10 - <15	15 - <20	20 - <25	30	30 - <35	:40	0 (rec
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-	Standing dead								•								
-	Acer Saccharum								9								
وم	-	and a							0	6							
CR	Fagus granditolin																
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تو	Amelanchier sp.			٥													
W	Fagus grandifolia			D				•			•						
2/3	Standing dead									•		•					
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W	Acer rubrum									,	•						
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W	Populus grandidentata												•		•		
w	Livio dendron tulipitera	1,30															
W	Fraxinus sp.			•													
T	Acer rubrum																
2.	Livio dendron tulipifera										L'	•	,				
ع	Populus grandidentata														=•		
2	Standing Dead								•	•		•					
工	Acer saccharum											•					
1=	ulmus rubra							\									
2	Carpinus caroliniana									The sale							

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				Carya ovata		fagus grandifolia	Acer rubrum	Acer saccharum	Standing dead	fagus .			Standing dead	Fagus grandifolia	Liviodendr	Quercus velutina	Fraxinu	Standing dead	Populus 91	Carya c		Explain subsam		CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet
				vata	Carpinus caroliniana	ndifolia	brun	icharum	e dead	grandiblic	50.	fogus grandifolia	dead	ndifile	Liviodendron tulipitera	relutina	Fraxinus Spinghuanica	dead	Populus grandidentata	ovata	species	Explain subsample (additional room on back):	Project Label:	TROPARKS
					9	_				١,					3		معنطة		>	_	n	om on b	bel:	Plant
																			新旗		voucher#	ack):	PCAP	Community
						X	•			X	•			:			:				# stems 0-1.4m browsed			Access
		N. Series																			% sub or super sample		Proje	ont Pr
																					# shrub clumps		t Name:	ogram
	, is																				size class (cm) woody stems >1.4m 2 0-<1 1-<2.5 2.5-<5 5-<		Project Name: 01 8 R 2012	Vatural V
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									58.1			43.1									11 >40 (record each tree)		Cleveland Metroparks	

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: _ PCAP Project Name: 013R 2012

STANDING BIOMASS (required for emergent wetlands) collected in 0.1m clip plots (32x32 cm) from comers 1 and 3 in each intensive module. Required for VIBI-E score calculation. C2=check when

Plot No.: 1221

(A) (Discost land Matra paints) Page: 1 of 1

/lodule # ន Corner Corner

CLASSIFICATION			
(FIT = excellent, g Fit and Confidence			
Hydrogeomorphic class (WETLANDS ONLY):			
DEPRESSION	1	Conf=	
□ IMPOUNDMENT □ Beaver □ Human	1	Conf=	
DRIVERINE DHeadwater DMainstem Channel	E .	Conf	
□ SLOPE (ground water hydrology or on a physical slop)	=	Conf=	
□ FRINGING □ Reservoir □ Natural Lake	7	Conf=	
COASTAL (specify subclass)	Fire	Conf=	
BOG (strongly, moderately, weekly ambrotrophic)	FILE	Confr	
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	Ë		
D FOREST D swamp forest D bog forest D forest seep D EMERGENT D marsh D wet meadow D open bog	7 7	Conf=	
SHRIJB a shrub swamp a tall sh. boe a tall sh. fen	II.	Conf=	

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) Renks for microhabitat 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 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 wettand 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

		0	റ		<u> </u>	≡ .						
	 ,		W	W	7	med#						
						corner						
		O	٥	0	0	(count)	lxlm	depth 3		tussocks	no, of	
		0	0			(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
		C	ф -	1	_	(count)	10x10m	depth 1		depressions	no, macro.	
		13	12	16	12	(count)	10x10m	depth 1		(2-12 cm)	c.w.d	c.w.d count
		0	_	2	0	(count)	10x10m	depth I		(12-40cm)	c.w.d	for pieces with r
		0		0	0	(count)	10x10m	depth 1		>40 cm	c.w.d	c.w.d count for pieces with minimum 1m length
		رن ان	দ	5	5	(rank)	10x10m	depth 1		interspers.	microhab.	
		b	W	W	دن	(rank)	10x10m	SLOPE			microhab	

** Terrain Shape Index (site microtopographic shape) CROWN COVER (DENSIOMETER) Make 4 readings per module facing N. S. E. W. Place dot count is corresonding space. (4 dots per grid square)

ĮFILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]	IS PROGRAM	- DO NOT FIL	LOUTINE	(ELD)
		LFI*	TSI**	
At aspect	z			LFI is angle of
+45 degrees	NE			horizon. TSI is
	'			angles formed by
+90 degrees	tt			local slopes. For
+135 degrees	SE			TSI measure
+180 degrees	s			recorders eye to
+225 degrees	SW			eye of person
+270 degrees	W			away.
+315 degrees	N N			

					Module
Tt = 7 Wtoo 1	H	10	Ч	7	Z
FE- NWOLEM	ડ	2	ß	4	S
らりらてはるしい	ᆫ	6	2	2	en en
WH WIRD I WI	4	7	ı	W	W

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

Project Name: 2188 2012

@ Gleveland Metroparks

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

Soll pit module # 8 (one per entire plot)

20 cm 6 cm matrix color matrix color texture* ydr. cond. *** redox features** oxid roots exture* oxid roots mottle edox features** mottle ottle color ottle color 10 YR 5/4 OYR 5/3 7 / 7 I S. M.D. 4 0 (z

refer to texture classes on reverse side I S M

ydro cond ***

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

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

No evidence of earth world

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

□ Impermeable surface Soil Series Source: Ohio Soil Survey Soil Collection Moduld Horizon (A, B, C) Somewhat poorly dr. □ Well drained □ Excessively dr. Depth to rest, Layer: >80" Soil Series/Type: GeF, Geoburg-Parent Material: Lacustrine deposits ,3,8,9 composited andform type: Terraces □ Somewhat excessively Moderately well dr. Very poorly dr. Mentor 5 7 loams

WSS: JTP 6/8/12

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

٩	Ο¢;	W	2	#botn
9.5	2.3	1. 4	4.4	1 litter+ organic depth (cm)
8.9	2.1	0.5	4.4	2 litter depth (cm)
0	0	0	0	water depth (cm)
>30	230	736	730	depth sat

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	
Underlying Earth Surface*	Surface*	Ground Cover	
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	0	Coarse Woody Debris***	4
Mineral Soil)00	Fine Woody Debris****	عب
Gravel-Cobble*	O.	Litter	<i>6</i> 0
Boulder**	0	Duff (Ferm.+ Humus)	0
Bedrock	0	Bryophyte- Lichen	2
* Gravel-Cobble = 1/16-10"	= 1/16-10"	Water	0
**Boulder => 10 in	in	Bare Soil	ري
*** >5 cm in diameter	neter	Road/Trail	0
**** <5 cm in diameter	meter	Other	0

Bootleg unsanctioned
Bootleg unsanctioned

- < p	<u>₹</u>	□ 3-i	-010	0 > 10	n >60	STAN
< 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
 _						

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



					-				
Tier 1: Early	detection/	Rapid response		9.89	Pre	sence		GPS	
				NE	SE	SW	WM		Presence
Microstegium vimineum		Japanese stiltgrass							X: yes
Ranunculus ficaria		Lesser Celandine							
Cynanchum louiseae	(vine)	Black Swallow-wort							
Butomus umbellatus	(wetland)	Flowering Rush							
Heracleum mantegazzianur	m	Giant Hogweed							
Tier	2: Assess a	s Needed			# of	Plants		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 Honeysuckle	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			1				
Conium maculatum		Poison Hemlock							
Rhamnus cathartica		Common Buckthorn	(shrub)						
Berberis thunbergii		Japanese Barberry	(shrub)		11				
Alnus glutinosa		European Alder	(
Dipsacus laciniatus		Cut-leaf Teasel							
Elaeagnus umbellata		Autumn Olive	(shrub)		 				
Lonicera maackii		Amur Honeysuckle	(shrub)		• 1	1			
Euonymus fortunei		Wintercreeper	(3111 015)		 	_			
	Droconce is	of Interest		20000	# of	Plants	25000	comments	
na J.	r resence is	FOI MICEI C.SC		NE -	SE	SW	NW		# of Plants
Convallaria majalis	(G-cover)	Lily of the Valley	1000-0-0	11.2	JL				1: 1-10
Coronilla varia	(G-cover)	Crown Vetch			_				2: 11-50.
Eleutherococcus pentaphyl		Five-leaf Aralia	(shrub)						3: 51-100
Pachysandra terminalis		Japanese Pachysandra			+	_			4: 101-1,000
Philadelphus coronarius	(G-COVEI)	Mock Orange	(shrub)		—	_		-	5: >1,000
Pulmonaria officinalis	(G-cover)	Lungwort	(Sili GD)		 				3. 12,000
Rubus phoenicolasius	(G-cover)	Wineberry			 				
Iris pseudacorus	(wotland)	Yellow Flag Iris			+	_			
Ornithogalum umbellatum	(wettand)	Star of Bethlehem	,		+-	+-			
		European Cranberry	/alamada)		+	-			
Viburnum opulus var. opulu	12				-	-			
Viburnum plicatum	tilanimani a	Doublefile Viburnum and abundant	(shrub)	Distance of	Den	sence	0.60 0.0	cammonte	
Her 4: W	iuespread a	and abundant	CIC S IN	NE	SE	SW	NW	comments	Presence
Alliania makialata	CHICAGO CO	Coulin Margaria		-	*2	1 1	INVV		X: yes
Alliaria petiolata		Garlic Mustard	(alemote)	3	61	1	\vdash		Iv. Acs
Ligustrum vulgare		Common Privet	(shrub)		1	-		00-1-1-1-1-	
L. morrowii, L. tatarica		Bush Honeysuckles	(shrub)		1	-		SRE 10-17-12	
Phalaris arundinacea		Reed Canarygrass			-	-			
	(wetland)	Phragmites		<u> </u>	-	-			
Polygonum cuspidatum		Japanese Knotweed		0	-	-	-		
Frangula alnus		Glossy Buckthorn	(shrub)	2	-	2	2		is a
Rosa multiflora		Multiflora Rose	(shrub)	1		1	1		
Typha angustifolia, T. x.glau	ıca	Cattails (wetland)		<u> </u>	-	-			
Cirsium arvense		Canada thistle		<u> </u>	-	↓ —			
Dipsacus fullonum		Common Teasel							
Hesperis matronalis		Dame's Rocket			_				
Vinca minor	(G-cover)	Periwinkle							l,

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

•	FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAPBR 1221 DATE: D L 1 4 2 0 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag																				
Site I	ID: P	CAP	BR	122	. (2	
Locati						ein			Fill	in b	ubb	le(s	if p	lot(s	s) cou	ld not be	sampled and fl	ag -	→		
OAAC	Center	C	N	0	S	O E	•	W	OP	lot	1	0	Plot	2	OP	lot 3					
Fill in bubble Strata Section	es for all to	hat apı approp	ply: Ca	nopy cover o	Type: class b	D = D	eciduou for eac	s F = Everage	Buffer en. Leaf T er each plo	vne: F	B = Br	nadlea	f N = N	Veedle	Leaf. A	bsent: No tree	a canopy. %); 3 = Heavy (40-75%)	; 4 = V	ery He	avy (75%)
Buffer	Canop	y Typ	e: 6) () At	seni	t: O	Buffer	Canop	y Typ	e: 🏈) () At	sent	: 0	Buffer	Canopy Type:	(E)	Ab	sent:	0
Plot 1	<u>.</u>	f Typ) (·	\leftarrow		Flag	Plot 2		f Typ			5		Flag	Plot 3	Leaf Type:	<u> </u>			Flag
Big Trees (>	-	10	0	②	(1)	0		Big Trees (>	-0.3m DBH)	0	0	0	•	0		Big Trees	(>0.3m DBH)	0	0		
Small Trees (<	<0.3m DBH	0	Ō	<u> </u>	0	0		Small Trees (<0.3m DBH	0	0	0		Ō		Small Trees	(<0.3m DBH)	(3)	0	0	
Woody Shrubs			Ō	(0	0		Woody Shrub		0	0	(2)	0	Ō			bs, Saplings m-5m HIGH)	0	0	0	
Woody Shrubs		6	9	0	0	$\overline{0}$		Woody Shrub	s, Saplings	-	0	3	0	ŏ		Woody Shru	bs, Saplings :0.5m HIGH)	0	Ŏ	Ö	
	.5m HIGH) orbs and	0	0	(a)	0	0			orbs and	0	0	<u>()</u>	0	$\frac{\circ}{\circ}$			Forbs and	<u>©</u>	0	Ŏ	
Rare	Grasses		(0	0	0		Bare	Grasses ground	8	<u></u>	0	0	$\frac{\circ}{\circ}$		Bar	re ground ① ①	6	0	ŏ	
	ter, duff	 	0	0	0	(tter, duff	0	0	0	_	8			itter, duff 0 1	2		ŏ	
Lit		+=	-	-		_		Rock Water Submerged					_	_			Rock 🚳 🛈	0	<u> </u>	<u></u>	
Rock O O O O										-	-	0	9	0			0	0	8		
Water V O O O								Sı	000					Water 💮 🕦	-		-				
Vegetation Vegetation Vegetation Vegetation													<u> </u>	<u>O</u>							
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble.																					
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors Fill bubble if present - Plot																					
Fill bubble	e if pres	ent -	Plot	1	2	3	Flag						2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gra	avel			0	0	0	5	Ditches, Channelization					0	0		Pasture/Ha	ay	0	0	0	
Road - tw	o lane			0	0	0		Dike/Dam/Road/RR Bed (IMPEDE FLOW) Water Level Control Structure					0	0		Range		0	0	0	
Road - for	ur lane			0	0	0		Water Level Control Structure					0	0		Row Crops		0	0	0	
Parking L	ot/Paver	nent	/ L	0	0	0	•	Excavation, Dredging					0	0	9	ROW CROP FIEL		0	0	0	
Golf Cour	se		BE	0	0	0		Fill/Spoil Banks Freshly Deposited Sediment					0	0		SHRUBS, TRE	d (OLD - GRASS, ES)	0	0	0	
Lawn/Parl	k		230	0	0	0		(UNVEGETAT	Sedin	nent	0				0	0	0				
Suburban	Resider	ntial		0	0	0		Soil Loss/F	Root Exp	osure		0	0	0		Dairy		0	0	0	
Urban/Mu	ltifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill	00000 - 10			0	0	0		Inlets, Out				0	0	0	1	*	nimal Feeding	0	0	0	
Dumping	e nestr			0	0	0		Point Sour (EFFLUENT C	OR STORM			0	0	0		Rural Resi	dential	0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW		inpu	ı	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:		0	0	0	
Indu	strial C)evel	opm	ent S	Stres	son	5						Habit	tat/V	egeta	tion Stress	sors				
Fill bubble	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt -	Plot	1	2	3	Flag	Fill bubb	le if present - Plot	1	2	3	Flag
Oil Drilling)			0	0	0		Forest Clea	r Cut		2716	0	0	0		Herbicide L	Jse	0	0	0	11
Gas Wells	5			0	0	0		Forest Sele			TO BE	0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (sur								Tree Planta				0	0	0		Trails		0	0	0	
						-	Tree Canop		ory		-	0	0		Soil Compa		0	0	0		
						7	(INSECT) Shrub Laye	r Browse	ed	100	0				(ANIMAL OR H		0		0		
Military O O O						111111111111111111111111111111111111111	(WILD OR DO	MESTIC)			0	0	0			nicle damage n (FROM WIND, WATER,	0	0			
Other: O O O O						Decently Durmed Ferret			0	0	0		Soil erosion (FROM WIND, WATER OR OVERUSE)			•	0				
Other: O O O						Canopy				0	0	0		Other: O			0	0			
Other: Other: Other								December Demond Concellend				0	0	0		Other:		0	0	0	
● F	iag codes	s: K =	No me	asure	ement	mad	e, U = S	Suspect meas flags in comm	urement.,	F1,F	2, etc	= mis	c. flag	s ass	igned b	y each field o	rew. 242	816	3304		
В	uffer Sa	mple	Plots	05	/27/					J., J.											

FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAPBR 1221 DATE: O 6 1 4 2 0 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag AA Center ON OS OE OW OPlot 1 OPlot 2 OPlot 3																					
Site ID: PCAP	BR	12	21										DATE	: 06	114	1	2 0	,		2	
				-		ii ii a	Fill	in b	ubb	le(s) if p	lot(s	s) cou	ıld not be	sample	d an	id fla	g –	→		
• AA Center O	N	0	s	01	E O	w															
							Buffer														
Fill in bubbles for all that app Strata Section: Fill in approp																y (40-	75%); 4	1 = V	ery He	eavy (>75%)
Buffer Canopy Type	e: 🌘	(E) AI	bsen	t: O	Buffer	Canop	v Tve	ne: () () AI	seni	t: ()	Buffer	Canopy	Type	: 🕞	(E)	Ab	sent	
Plot 1 Leaf Type	e: 🌘	· (E)	-		Flag	Plot 2			e: (ii	$\stackrel{\sim}{=}$	\rightarrow		Flag	Plot 3	Leaf		$\stackrel{\sim}{\sim}$	$\frac{\circ}{\odot}$	100,000		Flag
Big Trees (>0.3m DBH)	0	<u> </u>		0		Big Trees (>0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH)	0	<u> </u>	Ĭ.		0	
mall Trees (<0.3m DBH)	0		①	0		Small Trees (Ō	<u>(1)</u>	0	Ō		Small Trees	(<0.3m DBH)	<u></u>	_	_ +	Ō	Ō	
Woody Shrubs, Saplings (0.5m-5m HIGH)	(4)	0	0	0		Woody Shrub	s, Saplings 1-5m HIGH)	0	0	2	0	$\overline{\odot}$			ubs, Saplings 5m-5m HIGH)	<u></u>		-	Ō	Ō	
Voody Shrubs, Saplings (<0.5m HIGH)		<u>0</u>	3	0		Woody Shrub		Ö	0	0	Ō	$\overset{\smile}{\odot}$		Woody Shru	bs, Saplings <0.5m HIGH)	-	-	_	$\overline{0}$	ŏ	
Herbs, Forbs and Grasses	_	0	<u></u>	0			Forbs and	0	Ö	0	ŏ	$\overline{0}$, Forbs and	ŏ	_	_+	Ŏ	ŏ	
Bare ground ()	_	0	<u> </u>	0		Bare	Grasses ground	Ö	Ō	0	ŏ	$\overset{\smile}{\odot}$	-	Bar	Grasses re ground	-	_	= +	ŏ	ŏ	
Litter, duff ()			<u> </u>	0		Li	tter, duff	Ö	Ö	0	ŏ	$\frac{\circ}{\circ}$		L	itter, duff	ŏ	_		ŏ	ŏ	
												$\overset{\smile}{\circ}$	_	_	<u></u>	ŏ					
														-		- +	0	ŏ			
Submerged Submer													- +	- +	<u></u>	<u></u>					
Submerged Vegetation														$\underline{}$							
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																					
															Flag						
Road - gravel		0	0	0	rag					0	0	0	riag	Pasture/Ha				0	0	0	5
Road - two lane		0	0	0		Ditches, Channelization Dike/Dam/Road/RR Bed					0	0		Range	iy		_	5	0	0	\dashv
Road - four lane		0	0	0		(IMPEDE FLOW) Water Level Control Structure					0	0		Row Crops			-	5	0	0	
Parking Lot/Pavement	the second second	ŏ	0	0		Excavation				0	0	0	7.5	Fallow Field	d (RECENT-R	ESTIN	-	5	ŏ	0	
Golf Course		o	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field	d (OLD - GRA	SS,	_	0	0	0	
Lawn/Park		0	0	O		Freshly De		Sedin	nent	O	0	0		SHRUBS, TRE Nursery	E5)	15,015		5	o	O	
Suburban Residential		0	0	0		Soil Loss/F		osure):	•	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 Feed	ling	(0	0	0	
Dumping		0	0	0		Point Sour (EFFLUENT C	OR STORMV			0	0	0		Rural Resid	dential		(o	0	0	
Trash		•	0	0		(SHEETFLOW		input	8	0	0	0		Gravel Pit			(2	0	0	
Other:		0	0	0		Other:				0	0	0		Imigation			(2	0	0	
Other:		0	0	0		Other:				0	0	0		Other:				$\supset \rfloor$	0	0	
Industrial Develo	pme	nt S	tres	sors	3					ŀ	labit	at/V	egeta	tion Stress	sors						
fill bubble if present - P	lot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if prese	nt - P	lot	1	2	3	Flag
Oil Drilling		0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse		(0	0	0	
Gas Wells		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	rub Cutting		(0	0	0					
Mine (surface)		Tree Planta	tion			0	0	0		Trails			(5	0	0					
Mine (underground)		Tree Canop	y Herbivo	ory		0	0	0		Soil Compa			(5	0	0					
Military		0	0	0	_	Shrub Layer Browsed			•	0	0		Offroad veh	ANTICAL DE	e		5	0	0		
Other:	_	o	0	0		Highly Grazed Grasses			0	0	0		Soil erosion		, WAT		9	0	0		
Other:		0	0	0		(OVERALL <3" HIGH) Recently Burned Forest			0	0	0		OR OVERUSE)			0	0				
Other:		0	0	0		Canopy Recently Bu	med Gra	sslar	nd	0	0	0		Other:			-		0	0	
Flag codes: K = N				made	, U = S					= mis	c. flag	s assi	gned by		rew.					13	7
Buffer Sample P	lots	05/	27/2		ain ali fi	ags in comm	ent sectio	n on t	the ba	ck of	this fo	m				2	4281	.05	JU4	1	

	FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): DATE: 0 6 1 4 2 0 1 2 Docation: Fill in bubble(s) if plot(s) could not be sampled and flag																					
Site	D: P	CAI	BR	122	2.1										DATE	E: 0 6	111	1 / 2	0	1.3	2	
Locati			N/A			Mil.		Real Park	Fill	in b	ubb	le(s) if p	lot(s								Т
OAAC	Center	C	N	0	S	•	E C	W	OF	Plot	1	0	Plot	2	OF	Plot 3						
								is; E = Evergre		Гуре: Е	B = Br	oadlea	f; N =	Needlo	e Leaf. /	Absent: No tree		vy (40-75	%); 4 =	Very H	eavy (>75%)
Buffer	Canop	у Тур	e: 🎒) () A	bsen	t: ()	Buffer	Canop	у Тур	e: @) () AI	bsent	: ()	Buffer	Canopy	Type: (<u></u>) At	sent	
Plot 1	Lea	f Typ	e: 🤇) (5		Flag	Plot 2		f Typ	_) (Flag	Plot 3		Type: (9 6		-	Flag
Big Trees (>	0.3m DBH)	0	0	2	0	(4)		Big Trees (>	0.3m DBH)	0	0	2		0		Big Trees	(>0.3m DBH)	0		0	0	
Small Trees (<	0.3m DBH)	0	0	0	(1)	0		Small Trees (<0.3m DBH	0	0	2	0	@		Small Trees	(<0.3m DBH)	0	0	6	0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	@	0	0		Woody Shrub: (0.5m	s, Saplings -5m HIGH)	0	•	2	0	0			ıbs, Saplings im-5m HIGH)	0	9	0	0	
Woody Shrubs (<0.	, Saplings 5m HIGH)	0	(0	0	0		Woody Shrub		(0	2	0	0		Woody Shru		0 (1 2	0	0	
Herbs, F	orbs and Grasses	0	(2	0	0		Herbs, F	orbs and Grasses	0	•	2	0	0		Herbs,	Forbs and Grasses	0 (9 0	0	0	
Bare	ground	0	(1)	2	0	0		Bare	ground	0	(1)	2	0	0		Bar	e ground	()	0	0	0	
Litt	er, duff	0	0	0	0	6							0	(L	itter, duff	0	0	0	(
	Rock	(3)	0	2	0	0		Rock (1) (1) (1) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4					0	0			0	0	0			
	Water							Water (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1					000			Water 🙆 🕦				0	0	
	bmerged egetation	(0	②	0	0			bmerged egetation	0	0	2	0	0			Submerged Vegetation	(2)	0	0	0	
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this													is but	ble.								
Resi	dential	and	Urba	an Si	tress	sors			Hydrolo	gy S	tres	sors				ar Har	Agricultu	ıral & F	Rural S	Stres	sors	
Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble if present - Plot				1	2	3	Flag	Fill bubble if present - Plot				2	3	Flag
Road - gra	vel	146		0	0	0		Ditches, Channelization					0	0		Pasture/Hay				0	0	
Road - two	lane			0	0	0		Dike/Dam/Road/RR Bed (IMPEDE FLOW)					0	0		Range			0	0	0	
Road - fou	ır lane			0	0	0		Water Levi	Mary and Additional his	l Stru	cture	0	0	0		Row Crops		-9490 C 940	0	0	0	,
Parking Lo	t/Pavem	ent		0	0	0	de jui	Excavation	, Dredgii	ng		0	0	0		Fallow Fiel		RESTING	0	0	0	
Golf Cours	e	1		0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)				0	0	
Lawn/Park		100		0	0	0	- 6	Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery			0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	Root Exp	osure	14	0	0	0		Dairy	sie miesewny		0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	p			0	0	0		Orchard			0	0	0	
Landfill	700			0	0	0		Inlets, Outi				0	0	0		Confined A	nimal Fee	ding	0	0	0	
Dumping				0	0	0	.	Point Soun (EFFLUENT C	RSTORM	VATER	2)	0	0	0		Rural Resid	dential	141	0	0	0	
Trash		divi		0	0	0		Impervious (SHEETFLOW		inpul		0	0	0		Gravel Pit	- Section lines		0	0	0	
Other:				0	0	0	-	Other:				0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:			0	0	0	
Indus	strial De	evelo	opmo	ent S	tres	sor	5						labit	tat/V	egeta	tion Stress	sors					
Fili bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - Pic	t 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	rub Cutting)	0	0	0	
Mine (surface)							Tree Planta	tion			0	0	0		Trails			0	0	0		
Mine (underground)							Tree Canop	y Herbivo	огу		0	0	0		Soil Compa (ANIMAL OR H		144-3	0	0	0		
Military O O O							Charle Lover Proyend			•	0	0		Offroad veh		ge	0	0	0			
Other: O O O						Highly Graz	ed Grass	ses		0	0	0		Soil erosion	7.	ID, WATE		0	0			
Other: O O O						(OVERALL <3" HIGH) Recently Burned Forest			0	0	0	0.00000 0.00000000	OR OVERUSE) Other:			0	0	0				
000						Canopy Recently Bu	rned Gra	esslar	nd	0	0	0		Other:				0	0			
	g codes:	K=N	lo me			mad						= mis	c. flag	s assi	gned b	y each field c	rew.	0.4	_ O 2816			
Bu	uffer San	nple i	Plots	05	/27/2		lain all f	lags in comm	ent sectio	on on	the ba	ack of	this fo	rm		45111		24	7010	J U 4		

•	FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAP BR 1221 DATE: 0 6 1 1 4 1 2 0 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag																						
Site I	D:	PCA	PB	52	122	1									DATE	06	1 1 4	_/ _	2	0	(]		
Location	on:								Fill	in b	ubb	le(s	if p	lot(s	s) cou	ild not be	sample	d ar	nd fla	ag -	→		
OAAC	enter	С	N	•	S	01	≡ 0	W	OF	Plot	1	0	Plot	2	O F	lot 3							
								s; E = Evergre n strata type fo		Гуре: Е	3 = Bn	oadlea	f; N =	Needle	e Leaf. A			vy (40-	75%);	4 = V	ery He	avy (>75%)
Buffer Plot 1	Canopy	y Typ f Typ) (°	\leftarrow	bsen	t: O	Buffer Plot 2	Canop	y Typ	-			bsent	:: O	Buffer Plot 3	Canopy	Type Type	_	(s)	Ab	sent:	Flag
Big Trees (>				2	<u> </u>	@	riag	Big Trees (>			0		0	0	riag	Big Trees	(>0.3m DBH)		<u></u>			0	riay
Small Trees (<		$\stackrel{\smile}{\sim}$	0		0	0		Small Trees (0	2	0	<u></u>		Small Trees		0	ŏ	0	ŏ	(
Woody Shrubs	, Saplings			(2)	0	0		Woody Shrub	s, Saplings		-	<u>0</u>	0	0		Woody Shru	ibs, Saplings	0		0	<u></u>	0	
(0.5m- Woody Shrubs	5m HIGH) .	0		0	0	0		(0.5m Woody Shrub	-5m HIGH) s, Saplings	+=		0	0	0			m-5m HIGH) bs, Saplings	=		0	0	<u></u>	
(<0.	5m HIGH) orbs and		=			+=			.5m HIGH) orbs and	+ -			-				0.5m HIGH) Forbs and	-		-	-= +	0	
	Grasses	0	0	0	0	0			Grasses		9	0	9	\odot			Grasses			0	<u> </u>		_
	ground	0	0	(2)	®	0			ground	0	<u>(0)</u>	0	9	0			e ground		의	<u> </u>	<u> </u>		
Litt	er, duff	0	0		0	0		Rock (1) (1)				0	0	(1)		· L	itter, duff	0	9	<u> </u>	9		
Rock (1) (2) (3) (4)									Rock	0		0	0	0			Rock	0	0	<u> </u>	<u> </u>	<u> </u>	
	Water (1) (1) (2) (3) (4)								Submerged 🙉 🔾					000			Water 0 1				<u> </u>	0	
		(a)	0	2	0	0							0	0			Submerged Vegetation		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this													s bub	ble. (
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																							
Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if presen	t - Pl	ot	1	2	3	Flag
Road - gra	vel			0	0	0		Ditches, Channelization					0	0		Pasture/Ha	ıy			0	0	0	A STATE OF THE PARTY OF THE PAR
Road - two	lane			0	0	0		Dike/Dam/Road/RR Bed (IMPEDE FLOW)					0	0		Range				0	0	0	
Road - fou	ır lane			0	0	0		Water Leve	Francisco Control	ol Stru	icture	0	0	0		Row Crops		Ha.		0	0	0	
Parking Lo	t/Pavem	ent		0	0	0		Excavation	, Dredgii	ng	Ties.	0	0	0		Fallow Field	d (RECENT-F	RESTIN	IG	0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field	d (OLD - GRA	ASS,		0	0	0	
Lawn/Park				0	0	0		Freshly De		Sedin	nent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F		osure		0	0	0		Dairy				0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Out	ets	I E		0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Sour		WATER	2)	0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW	surface	input		0	0	0		Gravel Pit		1	66	0	0	0	1
Other:				0	0	0		Other:	Cara Maria			0	0	0		Imigation		1111		0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:				0	0	0	
Indus	strial De	evel	opmo	ent S			8					A KOU	labi	tat/V	egeta	tion Stress	sors						
Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fiii bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - F	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse			0	0	0	
Gas Wells								Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	,		0	0	0	
Mine (surface)							Tree Planta	tion			0	0	0		Trails				0	0	0		
Mine (underground)							Tree Canop	y Herbiv	ory		0	0	0		Soil Compa				0	0	0		
Military				0	0	0				d		0	0	0		(ANIMAL OR H Offroad veh	100110170	ae		0	0	0	
Other:		-		0	0	0		Highly Conned Connes				-	0		Soil erosion	(FROM WIN		TER,	0	0	0		
Other							(OVERALL <3" HIGH)			0	0			Soil erosion (FROM WIND, WATE OR OVERUSE)			-	-	_				
Other:			193	0	0	0		Canopy					0	0		Other:			-	0	0	0	
Other:	-		4	0	0	0		(BLACKENED)				0	0	0		Other:			_	0	0	0	
	ag codes: uffer San				ment /27/2	Exp		uspect measi lags in comm							igned b	y each field c	rew.	2	2428	168	304		

	FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): DATE: 0 6 1 4 2 0 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag																				
Site I	D:	PCA	PB	RI	22	ı									DATE	:06	1141	2.0	1	2	
Location		Jose				NIII T	Sales.		Fill	in b	ubb	le(s)	if p	lot(s						Π	
AA C	enter		N	0	S	O	E 0	W	OP	lot	1	01	Plot	2	O F	Plot 3					
										ype: E	3 = Bn	oadlea	f; N = I	Needle	e Leaf.	Absent: No tree oderate(10-40°	e canopy. %); 3 = Heavy (40-7	75%); 4 =	Very F	leavy ((>75%)
Buffer	Canop	у Тур	e: 🏈	() AI	bsen	t: O	Buffer	Canopy	у Тур	e: () () At	sent	: O	Buffer	Canopy Type:	() AI	sent	: O
Plot 1	Lea	f Typ	e: 🕡	0			Flag	Plot 2	Lea	f Typ	e: 🥨) (Flag	Plot 3	Leaf Type:	()	5		Flag
Big Trees (>	0.3m DBH)	0	0	2	0	0		Big Trees (•0.3m DBH)	0	0	•	0	0		Big Trees	(>0.3m DBH)	0 0	(0	
mall Trees (<	0.3m DBH)	0	0	2	1	0		Small Trees (<0.3m DBH)	0	0		0	0		Small Trees	(<0.3m DBH)	0 0	0	(2)	
oody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	(3)	0	0		Woody Shrub (0.5n	s, Saplings +5m HIGH)	0	0	2	(1)	0			ibs, Saplings im-5m HIGH)	9 (2)	0	0	
oody Shrubs (<0.	, Saplings .5m HIGH)	0	(1)	0	0	0		Woody Shrub (<	s, Saplings).5m HIGH)	0	(2	0	0		Woody Shru (<	bs, Saplings 0.5m HIGH)	(1)	0	0	
	orbs and Grasses	0	0	(0	0		Herbs,	Forbs and Grasses	0	0	(0	0		Herbs,	Forbs and Grasses	① @	0	0	
Bare	ground	0	0	(0	0		Bare	ground	0	(1)	2	0	0		Bar	e ground 💿	(1)	0	0	
Litt	ter, duff	0	0	2	(1)	0		Litter, duff Rock Water U					0			L	itter, duff 💿 (00	0	(
	Rock	@	0	2	0	0			Rock	•	0	2	0	0			Rock ①	① @	0	0	
	Water	0	0	2	0	0		Water 🕟 🕠					0	0			00	0	0		
Submerged Submer													00	0	0						
Vegetation													his bu	oble.	②						
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																					
iil bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	e if prese	nt - l	Plot	1	2	3	Flag	Fill bubble	if present - Plo	t 1	2	3	Flag
Road - gra	vel		NO.	0	0	0	alan tada fatki alikikini ini	Ditches, Channelization				0	0	0		Pasture/Ha	ıy	С	0	0	
Road - two	lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range		С	0	0	
Road - fou	r lane			0	0	0		(IMPEDE FLOW) Water Level Control Structure					0	0		Row Crops		C	0	0	
Parking Lo	t/Pavem	ent		0	0	0		Excavation, Dredging					0	0		Fallow Field	d (RECENT-RESTING	3 C	0	0	
Golf Cours	se			0	0	0		Fill/Spoil E				0	0	0			Fallow Field (OLD - GRASS, SHRUBS, TREES)			0	
Lawn/Park		H	- 6	0	0	0		Freshly De		Sedin	nent	0	0	0		Nursery		С	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/I		osure		0	0	0		Dairy		C	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard		С		0	
Landfill				0	0	0		Inlets, Out				0	0	0		The second secon	nimal Feeding	С	0	0	
Dumping		III is		0	0	0		Point Sour (EFFLUENT C	OR STORMV			0	0	0		Rural Resid	dential	C	0	0	
Trash				0	0	0		Impervious (SHEETFLOV		inpui		0	0	0		Gravel Pit		C	10000	0	
Other:	and the same of			0	0	0		Other:				0	0	0		Irrigation		C	0	0	
Other:				0	0	0		Other:				0	0	0		Other:		_ 0	0	0	
Indus	strial D	evel	opmo	ent S	Stres	sor	5					I	labit	at/V	egeta	tion Stress	sors				1315
ill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if present - P	lot 1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse	C	0	0	
Gas Wells OOO								Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	C	0	0	
Mine (surface)								Tree Planta	tion			0	0	0		Trails		C	0	0	/
Mine (underground)								Tree Canop	y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H		С	0	0	
Military O O O								Shrub Layer Browsed				0	0	0		SECTION AND DESCRIPTION OF THE PERSON OF THE	icle damage	C	0	0	. /
Other: O O O								Highly Conned Conneg			0	0	0			(FROM WIND, WAT		0	0		
							Recently Bu		est		0	0	0		OR OVERUSE) Other:			0	0		
Other:	****			0	0	0		Recently Burned Grassland O O O Other: O O O Other: O O O					0								
	ag codes:	K=1	 No me			made	, U = S	uspect meas				= mis	c. flag	s assi	igned b	y each field c	rew.	42816	-		100
В	uffer San	nple	Plots	05,	/27/2		lain all fi	ags in comm	ent sectio	on on	the ba	ck of	this fo	m				32010	,030		