CLEVELAND MET	ROPARKS Plant Community Asses		· · · · · · · · · · · · · · · · · · ·
Project Label:	PCAP	_ Plot No	Date Sampled: 6/2/1/2 Lead: Borton
- 1			Comment required if item answer is NO
Parking/Access outside	de of Park Boundaries:	Y 😡	If yes, write details in Comments section below
Field journals comple		(V) N	
Site sketch made on 1		Ý N	
Check cover page	X-axis Bearing of plot recorded	(Ý) N	
	GPS coords. Recorded	Y N	
	North direction recorded	N (Y)	
231.	Photographs taken?	Y) N	
Plot No., Date agreen	nent on all pages?	(Y) N	
Header data complete	d all pages?	(Y) N	
Cover classes recorde	d in all Intensive modules	· N	
Browse Level By Spe	cies	Ý) N	
Woody stem quality of	control check	Y N	
Invasive plant quality	control check	(Y) N	
Ash trees mapped		Y (N)	N/A
Cover by Strata? (con	firm cover type)	(Y) N	
Soil samples collected	with matching plot #.	Y N	
Vouchers labeled on o	latasheet with initials and number	Y N	
Vouchers labeled on o	collection bag	(Y) N	
Pink flags removed		(Y) N	
Data sheet QA before	leaving site?	Y N	
Common equipment r	eturned to tub.	(Y) N	
Data sheets scanned?		6/29/12	Enter date to left NMZ
Final data sheets scan	ned?		Enter date to left
Buffer Widths measur	red?	Y) N	6-29-12 KEL
Web Soil Survey		(Y) N	6/29/12 NZ
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 verificat	tion: Is plot sampleable?	-	
Yes	Original GRTS point is sampleable		
□ No	Original GRTS point lands in a non-s	ampleable area (f	ill in category helow)
	□ Point falls in a water (i.e. river, la		in medically below,
	☐ Managed mowed area (i.e. golf c	ourse, picnic area, righ	st-of-way)
_ .	☐ Paved area (i.e. parkinglot, road)		
	☐ Unsafe to sample (i.e. steep slope) ☐ Other	•	
Additional Comment			
Auditional Comment	S:		

56/41		2 Ace	5 4 Fice	12 Prine	2 22/4	Circa	1 Vitis	Prinis	3 4 Frax	17	22 U/m/J	2 Quercu	2 Com	7 Quercius	2 Leosia	2 Salidaa	2 Glec	2 Asta	4 7xic	2 Apr	800	200	7 Lysin	T S H (F)(A) Br	Strata - Cov. entire plot		Netroparks describe		3	>	Total modules:	CLEVELAND METROPARI Project Label:	
2	lanum niggum	1 Agoundo	46	lla vulgoris	5000	Cuto	seedlings	Serot	Penas	axinus seedlings	50	ous seedlings	SE	cus poliotris	Virgini		homa hederacia	11		Scedlina	7	<	simachia nummulacia	Species			describe amount of browse per species over	Br = Browse Level. Use cover classes to			2	CLEVELAND METROPARKS Plant Community Assessment Program Species Project Label: PCAP Project name:	
X2513083			**************************************	780 085									X 68253036								X 238082			c Voucher#	%unveg. litter (bare litter)	%unveg, ground (bare soil)	%unvegetated open water	interisive module:	Estimate for each		Intensive modules:	ment Program Specie Project name:	
2	3	7	N.	25	N.	1	-	1 1+	+2	7+	2 23	224	22	28	32	32	32	3214	3 3 2	3 73	7 6 h	422	00	depth cov depth	15	2	0	depth cov depth	7	mod corner mod	PI PI	es Cover Data	
500		_	T T	する	2		1		h -	22	2	S	17	1	S			T	7	7	17	4		th cov depth	1	1	1	th cov depth	۲	comer	Plot configuration:	ta Sheet 2a	
22			64	2	2			+,	+4	34	22	74	2	6	-	2	14	24	42	7	h 8	7	Control	cov depth	14	30	2 0	Cov depth	2	ar mod		Plot no.	
			95		N I				5							2	7						, 7	cov depth cov				cov depth cov depth	:	comer mod corner mod corner	X >	1230	
																								depth cov depth		<u> </u>	- L	depth cov depth			Plot area (ha):		
																								cov depth cov		-	-	cov depth cov		mod comer mod comer	(ha): 0.02	Page of	
		~\X	S				obton w 12- wie	inch									-0							ov depth cov				ov depth cov	Z	ner mod corner		[N	

Project Label:	PCAP	Project Label: PCAP Project name: 0/R/R2012	Plot no.: 1230		
Total modules:		Intensive modules: Plot conf	Plot configuration:	Plot area (ha):	
		mod comer mod comer	mod corner mod corner mod	corner mod corner mod corner mod	comer
8		depth	ov depth	cov depth cov depth cov depth	COV
Cieveland	describe amount of browse per species over	ater 1			
Metroparks	entire plot	%unvegetated open water 1			
Strata - Cov entire plot		%unveg. ground (bare soil) 1			
T S H (F) (A) Br	Species	C Voucher# depth cov depth cov	depth cov depth cov depth cov I de	depth cov depth cov depth	COV
$\overline{}$	VIJAMYS	XX5B684 22			
と	1710 WN		223		
2	Oxalis stricta	12 /	77		
2	RAMINEULUS acris 2513 9-25-12	XZSBORSMY 122	2		
	Lustimachia	25/3 (2) Z /	411		
1 /	bicol	6-9			
		3			
	tak, overnosperm Prices	X25B085 25	4 5		
7	L' (2		3 (4
	×				
2	6		32		_
2	itersi's	X 25B087	22		
2	Potentilla simplex		2)		
2	multitle		12		
N	5 546 nchium 512 25/3925/2	X ZJB 084 CQ 5 = 18 6129-12	12		
<i>></i>	Duthonia spirate 2889-3-12	X 25/3 60004	<i>b</i>		
y _U	lindera benzoin		2		
	The second secon				
					.c (0)=0

	1																
	5	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Name: つれてつかって	PCAP	Assessm	Project	nt Program Natural Woody S Project Name: <u>OIRR ユの1</u>	tural Wo	oody St	em Data Pl	ta Sheet Plot No.: 1230	230		Page:		of 🔷	P Clevels	Cleveland Metroparks
		Explain subsample (additional room on back):	back):				1 8										
5	mod #	d # species	oucher#	# stems 0-1.4m browsed	% sub or super	# sirub	size class (cm) woody stems >1.4m 1 2 3 4	cm) woody	stems >1.4	6	5	6 15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	10	11 >40 (record each tree)
- 1	-		74-35-12		_		•		11.								
	a	Norway Picea abies	S80 85Z												E ST		47.2
	_	Toxico dendres radi	Carro	9		ę P	96		ي) (1) 1) (1) (1)		
222	1	Frations Sp.		6.0													
)	4			0	Ţ.			1	7	12//12				2.5	01 11		944
	2	100															
	2				•						789						
	2	Graxinus sp. pems/hanica	silvanica	77													
	2	Prunus serbtina		9				5. 77									
															0.000		
						119											
	Π																
								8					0.00		11 110		
						-											
	10																
	Г																
										200			7.5				

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet Tree ID. 10 24 14 23 22 2 3 20 19 6 귥 _ No ash Project Label: PCAP c Voucher# Project Name: 01 RR2012 (cm) DBH @ ASH Only
Ash Dead #Exit Epicormic
condition condition holes present INTENSIVE MODULES ONLY Plot No.: 1230 Date: 627/2012 Woodpecker holes Baseline *** Change Intensive module numbers when necessary Map all ash trees ≥10cm in each module using Tree ID number TREES ≥ 10CM ONLY Z Page: 1 of 2

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

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

Project Label: PCAP Project Name: 01 (2 2012

Plot No.: 1230

(A) Observed ment of the bro painters Page: 1 of 1

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

ΝE

z

3. I AVULTAVE BUDYAASS (required for emergent wettands); collected in 0 I me tip plots (23.432 cm) from comers 1 and 3 in each intensive module. Required for VIBI-E score calculation. C?=check when collected	from corners 1 and is score calculation. C	wettand in each ?=check	intensive when
Module #	C7	Corner Corner	Corner
			¥

CLASSIFICATION		
(FIT = excellent, g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
D DEPRESSION	1	Conf=
□ IMPOUNDMENT □ Beaver □ Human	111111111111111111111111111111111111111	Conf=
o RIVERINE o Headwater o Mainstem o Channel		Conf=
□ SLOPE (ground water hydrology or on a physical slop)	File	Confie
□ FRINGING □ Reservoir □ Natural Lake		Conf=
a COASTAL (specify subclass)	File	Conf=
□ BOG (strongly, moderately, weekly ombrotrophic)	File	Conf=
Ohio EPA VIBLEIant Community Class (WETLANDS ONLY):	Ü	
□ FOREST □ swamp forest □ bog forest □ forest seep □ EMERGENT □ marsh □ wet meadow □ open bog	를 를 	Conf=
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	Fit=	Conf=

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) feature is absent or functionally absent from the wetland Slope 2 = falls on slope ~20 ° Slope 3 = maximum steepness that can be safely sampled ~45°

Panks 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

- 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

-		_		 				_					
1					ع	_	mod#						
						ii .	corner						
				-	0	0	(count)	lxim	depth 3		tussocks	no of	
					0	0	(count)	3,16x3,16m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
			1	+	ಬ		(count)	i0x10m	depth 1		depressions	no macro.	48
						به ا	(count)	10x10m	depth 1		(2-12 cm)	c.w,d	c.w.d coun
					Ġ	_	(count)	10x10m	depth 1		(12-40cm)	c.w.d	t for pieces with
				Self III	0	0	(count)	10x10m	depth 1		>40 cm	c.w,d	c.w.d count for pieces with minimum 1m length
					શ	2	(rank)	10x10m	depth I		interspers.	microhab.	
					0	0	(rank)	10x10m	SLOPE			microhab.	

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)

N W

+225 degrees +270 degrees +315 degrees

SW

recorders eye to eye of person standing ~10 m away.

¥

+180 degrees +135 degrees +90 degrees +45 degrees At aspect

SE

angles formed by local slopes. For TSI measure

angle from

LFI is angle of plot to the horizon. TSI is

بو	4	4	2 2		Niedule	corresonant space.
7V 000			7	15	Z	
40			6	27	s	(4 nots bet Bitte square)
<i>ن</i> س			W	<u>r</u>	শে	,
4 \$1			W	ጥ	W	

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

Page: 1 of 1

TRAIL INFORMATION:

scord type and cover for each

Type

%Cover

All Purpose

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

Soll plt module # 1 (one per entire plot)

20 cm 5 cm matrix color 104 R 412 matrix color 104R redox features** ydro cond *** oxid roots exture* oxid roots exture* 2 ottle color N/A ydr. cond.*** dox features** mottle NIA ottle color NIA mottle N/A N - s - x - y - y O W S 3 ➂ € 3/2 z

refer to texture classes on reverse side

•• e.g. hydrogen sulfide odor, gleying, etc.
••• Circle one:
I=indundated S=saturated M=moist D=dry

I indundated S-saturated M-moist D-dry
Notes: include evidence of earthworms (worms

astings, middens)

many castings

mods I and
- @ middens

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

□ Impermeable surface Depth to rest, Layer 30-40" Soil Series/Type HrD- Hornell SIHICAM Well drained Soil Series Source: Ohio Soil Survey 2,36,9 composited Soil Collection Module Horizon (A, B, C) Excessively dr Somewhat poorly dr. arent Material residuum wenthard from this andform type: draining & willys, Moderately well dr. Somewhat excessively Very poorly dr NZ 6/24/12 200

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

_				
١	1	ಖ		mod#
		ە، ھ	2.2	I litter+ organic depth (cm)
		वे।०	かな	2 litter depth (cm)
		0	0	water depth depth sat
		>30	>30	depth sat

Underlying Earth Surface* Ground Cover Underlying Earth Surface* Ground Cover	100	0	0	0	Bedrock Sravel-Cobble = 1/16-10" Bryophyte- Lichen * Gravel-Cobble = 1/16-10" Water		
Ground Cover		Litter	Duff (Ferm.+ Humus)	Bryophyte- Lichen	Bryophyte- Lichen Water	Bryophyte-Lichen Water Bare Soil	Bryophyte-Lichen Water Bare Soil RondTrail

Hiking sanctioned

Bridle

Bootleg unsanctioned

Gravel

Shrub	Tree	Strata	COVER BY STRATA estimate using midpol
0,5.5	S - X	Height Range (m)	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13
13	78	Total Cover (%)	%,ex:3, 8, 13

ATA COVER TYPE.	8	-	1	15	3 4	8	otal Cover (%)	
		<plot size<="" th=""><th>□ 1-3 x plot size</th><th>□ 3-10 x plot size</th><th>□ 10-100 x plot siz</th><th>□ > 100 x plot size</th><th>= >600 x plot size</th><th>STAND SIZE</th></plot>	□ 1-3 x plot size	□ 3-10 x plot size	□ 10-100 x plot siz	□ > 100 x plot size	= >600 x plot size	STAND SIZE

(Floating)*
(Aquatic)*

Herb

- 0

SEE BACK OF PAGE FOR "TYPICAL"STRADESCRIPTIONS. STRATA CAN VARY BY

rooted and floating or slightly emersed

submersed, most plant mass below surface

																					_		
0	FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAPRR 2012 1230 DATE: 0 6 1 2 7 1 2 0 1 2 Location: OAA Center ON OS SE OW O Plot 1 O Plot 2 O Plot 3																						
		CHI	PKF	80	な	12	50					Local			DATE	: 06	127	'	<u>a</u> .	0	1 ,	2	
				17					A STATE OF THE PARTY.								sample	ed a	nd fl	ag -	→		
OAAC	Senter	C	N	O	S	9	E C	41.1	1000	12.000						Plot 3	mere)		40	L'and			
								s; E = Evergre		ype. E	B = Br	oadlea	f; N =	Needl	e Leaf. A	Absent: No tree oderate(10-40		vy (40	-75%)	; 4 = V	ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 🚺) () A	bsen	t: O	Buffer	Canopy	у Тур	e: (0 () AI	bsen	: O	Buffer	Canopy	Туре	: 🚳	•) At	sent	: 0
Plot 1	Lea	f Typ	e: () (Flag	Plot 2	Lea	f Typ	e: () ()		Flag	Plot 3	Leaf	Туре	: ((0))		Flag
Big Trees (>	0		Big Trees (>	0.3m DBH)	0	0	0	0	<u>O</u>	=	Big Trees	(>0.3m DBH)	0	0	0	•	0						
mall Trees (<	0.3m DBH	0	0	①	0	0		Small Trees (<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH)	0	0	(2)	0		
Noody Shrubs (0.5m-	, Saplings 5m HIGH)		0	6	3	0		Woody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0	②		0	Viii		ibs, Saplings im-5m HIGH)	0	0	0		0	
Noody Shrubs (<0.	, Saplings 5m HIGH)		0	②	3	0		Woody Shrubs (<0	s, Saplings .5m HIGH)	0	0	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0	0	0	0	0	
Herbs, F	orbs and Grasses	0	(4)	0	3	0			orbs and Grasses	0	0	•	0	0			Forbs and Grasses	0	0	0	0	0	
Bare	ground	0	6	0	3	0		Bare	ground	•	0	0	0	0	-	Bar	e ground	0	0	0	0	0	1.58
Litt	er, duff	0	0	0	3	0		Lit	ter, duff	0		(3)	0	0		L	itter, duff	0	0	0	0	6	
	Rock	0	(3)	②	0	0			Rock	0	0	0	<u> </u>	0			Rock	6	O	<u>0</u>	<u>0</u>	0	
	Water	0	0	0	0	0	<u> </u>		Water	0	0	2	0	$\overline{\odot}$		*	Water	0	0	0	0	Ö	
	bmerged egetation	@	0	(2)	(1)	0			bmerged	0	0	(2)	0	0			Submerged Vegetation		Ö	0	0	0	77
Service Control		_		senc	:e -		rm that	encourage and the same			tes pi	resen	ce an	d an	unfilled			nce b					0
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling Residential and Urban Stressors Hydrology Stressors Agricultural & Rura															ral S	tres	sors						
-ill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble		99		1	2	3	Flag	100000				1	2	3	Flag
Road - gra				0	0	0			Ditches, Channelization				0	0		Pasture/Ha	v			0	0	0	
Road - two				0	0	0		Dike/Dam/I	Road/RR			0	0	0		Range				0	0	0	
Road - fou	r lane			0	0	0		(IMPEDE FLOW) Water Level Control Structure					0	0		Row Crops				ō	0	O	11
Parking Lo	t/Paverr	nent		0	0	0		Excavation, Dredging					0	0		Fallow Field		RESTIN	lG	ō	0	0	
Golf Cours	e			0	0	0		Fill/Spoil Banks					0	0		Fallow Field	d (OLD - GRA	ASS,		0	0	0	
Lawn/Park		18	, ilij	0	0	0	A	Freshly De		Sedim	ent	0	0	0	71.75	Nursery				0	0	0	
Suburban	Residen	tial	E	0	0	0		Soil Loss/R		sure		0	0	0		Dairy				0	0	0	
Urban/Mult	tifamily		M	0	0	0		Wall/Riprag)		A Maria	0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outl				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Source (EFFLUENT O	RSTORM	VATER	3)	0	0	0		Rural Resid	dential		20,4	0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation				0	0	0	5-
Other:				0	0	0		Other:				0	0	0		Other:				0	0	0	
Indus	strial D	evelo	opmo	ent S	tres	SOF	3					ŀ	labit	at/V	egeta	tion Stress	ors						
ill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	lot	1	2	3	Flag	Fill bubb	le if prese	nt - F	Plot	1	2	3	Flag
Oil Drilling				0	0	0	1	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/Shr	ub Cutting			0	0	0	
Mine (surface) O O Tree Pla									ion	10.8		0	0	0		Trails				•	0	0	12
Mine (underground) O O O Tree Can									y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H				0	•	0	
Military			4.8	0	0	0		Shrub Layer (WILD OR DOM		1		0	Ø	0		Offroad veh		ge		0	0	0	
Other:				0	0	0		Highly Graze	ed Grass	es		0	0	0		Soil erosion		D, WA	TER,	0	0	0	
Other:				0	0	0		(OVERALL <3" I		est		0	0	0		OR OVERUSE) Other:		-		0	0	0	
Other:		-		0	0			Canopy Recently Bu	med Gra	sslar	nd	0	0			Other:				0	0	0	
	g codes:	K = N	o me	asure		made	, U=S	(BLACKENED) uspect measu	rement.	F1,F2	, etc.		a. flaq	s assi	igned b	y each field cr	ew.	W.	_1				
	iffer San			-	/27/2	Exp		ags in comm										1	2428	1168	304	1	

	FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): DATE: 0.6/2.7/2.0.1.2																				
Site	ID: Ø	C.A.	PD	R.I.	23	D														2	
Locati		0/1	-/-	<u> </u>	~0	J			Fill	in b	ubb	le(s)) if p	lotís			sampled and f				
OAA	Center	C	N	•	S	01	E 0	w	OF				Plot			Plot 3					
									Buffer			-		_					14 17		
																Absent: No tree oderate(10-40	e canopy. %); 3 = Heavy (40-75%); 4 = \	/ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 🌈) A	bsen	t: O	Buffer	Canop	у Тур	e: 🌘	() AI	bsen	: O	Buffer	Canopy Type:	() Ab	sent	: O
Plot 1	Lea	ıf Typ	e: () (Flag	Plot 2	Lea	f Typ	e: () (°			Flag	Plot 3	Leaf Type:	()		Flag
Big Trees (0.3m DBH	0	0	@	0	0		Big Trees (0.3m DBH)	0	0	6	0	<u>O</u>		Big Trees	(>0.3m DBH)	0		0	
mall Trees (0	0		Small Trees (0	0	0	0	<u>O</u>		Small Trees	(<0.3m DBH)		0	0					
Noody Shrub: (0.5m	s, Saplings -5m HIGH)	0	0	0	0	0		Woody Shrubs, Saplings (0.5m-5m HIGH)					<u>(1)</u>	0			ibs, Saplings m-5m HIGH)	2	0		
Noody Shrub: (<0	s, Saplings .5m HIGH)		0	2		0		Woody Shrubs, Saplings (<0.5m HIGH)					①	0			bs, Saplings :0.5m HIGH)	2	Ø		
Herbs, F	orbs and Grasses	0	0	2	•	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses 0 0	3		0	
Bare	ground	0	•	0	0	0		Bare ground ① ①					0	0		Bar	e ground	2	0	0	
Lit	ter, duff	0	0	0	0	0		Li	0	0	0	0		L	itter, duff 🕕 📵	0	0	0			
	Rock	•	0	2	①	0			Rock	0	•	0	0	0			Rock 🕡 🕦	0	0	0	
	Water	0	0	2	0	0			Water	a	0	0	0	0			Water 📵 🕕	0	0	0	
Submerged Submerged Submerged Submerged													(2)	0	0						
Vegetation																	0				
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural															ıral S	itres	sors				
													1	2	3	Flag					
Road - gra	avel			0	0	0		Ditches, Channelization					0	0	2	Pasture/Ha	y	0	0	0	
Road - tw	o lane			Ō	0	O		Dike/Dam/Road/RR Bed (IMPEDE FLOW)					0	Ō		Range		0	Ō	0	
Road - fou	ır lane			0	0	0		Water Level Control Structure					0	0		Row Crops		0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Field	d (RECENT-RESTING	0	0	0	
Golf Cour	se			0	0	0		Fill/Spoil B	anks			0	0	0			(OLD - GRASS,	0	0	0	
Lawn/Parl	(1	18	0	0	0		Freshly De	posited S	Sedin	nent	0	0	0		Nursery		0	0	0	
Suburban	Residen	itial		0	0	0	i	Soil Loss/F		sure		0	0	0		Dairy	NESTY PRINCE	0	0	0	11.5
Urban/Mu	ltifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill		No.	19-11	0	0	0		Inlets, Out				0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	OR STORMV	VATER	()	0	0	0		Rural Resid	dential	0	0	0	
Trash				0		0		Impervious (SHEETFLOW		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 D	evel	opmo	ent S	Stres	sor	8					ŀ	labit	tat/V	egeta	tion Stress	ors				
ill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if preser	nt - I	Plot	1	2	3	Flag	Fill bubb	le if present - 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		ALLY	H	0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	ub Cutting	0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta	tion			0	0	0		Trails		•	•	0	1,-
Mine (und	erground	I)	353	0	0	0		Tree Canop		ory		0	0	0		Soil Compa		0	0	0	- 1-
Military				0	0	0		(INSECT) Shrub Laye		d		0	0	0	=	(ANIMAL OR H	icle damage	0	0	0	
				B-0.		1000		(WILD OR DOMESTIC) Highly Grazed Grasses						100-00			(FROM WIND, WATER,			22 - 0	2
Other:				0	0	0		(OVERALL <3" HIGH) Recently Burned Forest					0	0		OR OVERUSE		0	0	0	3
Other:			_	0	0	0		Canopy Recently Bu			nd	0	0	0		Other:		0	0	0	
Other:		1/	1	0	0	0		(BLACKENED)		1		0	0	0		Other:		0	O	0	Property
						Exp		uspect meas lags in comm							igned by	y each field cı	ew. 242	8168	304		
B	uffer Sar	npie l	Plots	05	/27/2	ZU11														100	

																1								
FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: ### DATE: ### D																								
Site	ID:	Po	A	PR	21	221	0								DATE	. 6	127	1	2	9.	1:	2		
Locati	on:	Sin						THE REAL PROPERTY.	Fill	in b	ubb	le(s) if p	lot(s	s) cou					ag -	→			
OAA	Center	C	N	0	S	01	■ •	W	OP	lot	1	0	Plot	2	O F	Plot 3								
					_				Buffer															
																Absent: No tree oderate(10-40%		vy (40)-75%)	; 4 = V	ery H	eavy (>75%)	
Buffer	Canop	у Тур	e: 🐠) () A	bsen	t: O	Buffer	Canopy	у Тур	e: 🌘) Ai	oseni	t: O	Buffer	Canopy	Тур	e: 🕝	(E)	Ab	sent	: O	
Plot 1	Lea	f Typ	e: 🌘) (Flag	Plot 2	Lea	f Тур	e: 🌘) (Flag	Plot 3	Leaf	Тур	e: 🍘	<u>(</u>	II,		Flag	
Big Trees (>	0.3m DBH)	0	0	O	0	0		Big Trees (>0.3m DBH)	(1)	0	0	0	0		Big Trees	(>0.3m DBH)	0	0	2	0	@		
mall Trees (<		1	0	②	0	@		Small Trees (0	0	0	0			Small Trees		0	0		0	0		
	-5m HIGH)	10	0		0	0			1-5m HIGH)	0	0	•	0	<u>O</u>		(0.5	bs, Saplings m-5m HIGH)	0	(0	0	0		
	.5m HIGH)	0		0	0	0			0.5m HIGH)	_		2	0	<u>O</u>			0.5m HIGH)	0	(1)	0	<u> </u>	0		
Herbs, F	orbs and Grasses	0	0	(0	0		Herbs,	Forbs and Grasses	0	•	0	0	<u>O</u>		Herbs,	Forbs and Grasses	0	@	0	0	0		
Bare	ground	•	0	0	0	0		Bare	ground	0	0	•	0	<u>O</u>		Bar	e ground	(7)	0	0	<u> </u>	0		
Lit	ter, duff	0	0	0		0		Li	tter, duff	0	0	(3)	0	0		L	itter, duff	0	0	0	0	@		
	Rock	②	0	0	0	0			Rock	0	9	0	0	<u>O</u>			Rock	0	(2)	0	0	0		
	Water	@	0	0	0	0			Water		0	0	0	<u>O</u>			Water	(0	0	0	0		
	ubmerged egetation	(3)	0	2	0	0			ubmerged /egetation		0	2	0	<u>O</u>			Submerged Vegetation	(0	0	<u> </u>	<u> </u>		
Stress	or Pres	senc	e/Ab	send	е -	Confi	rm that	a filled data	bubble i	ndica	tes p	resen	ce an	d an	unfilled	ed bubble indicates absence by filling this bubble.								
Resi	dential	and	Urba	an S	tres	sors			Hydrolo	gy S	tres	sors				Agricultural & Rural Stressor								
Fill bubble	e if prese	ent - l	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent -	Plot	1	2	3	Flag	Fill bubble	Fill bubble if present - Plot					3	Flag	
Road - gra	avel			0	0	0		Ditches, C				0	0	0		Pasture/Ha	ıy			0	0	0		
Road - two	o lane			O	0	0		Dike/Dam/		Bed		0	0	0		Range				0	0	0		
Road - fou	ır lane			0	0	0		Water Lev	el Contro	l Stru	icture	0	0	0		Row Crops			0	0	0			
Parking Lo	ot/Paven	nent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Field ROW CROP FIELD Fallow Field	D) .	0.000	NG	0	0	0		
Golf Cours	se			0	0	0		Fill/Spoil E Freshly De		Sodin	nent	0	0	0		SHRUBS, TRE		A33,		0	0	0		
Lawn/Park				9	0	0		(UNVEGETA	TED)			0	0	0		Nursery				0	0	0		
Suburban		itial		0	0	0	:	Soil Loss/		osure		0	0	0		Dairy				0	0	0		
Urban/Mul	ltifamily			0	0	0	:	Wall/Ripra				0	0	0		Orchard	aim al Can	-d!		0	0	0		
Landfill				0	0	0	1	Inlets, Out Point Sou				0	0	0		Confined A Rural Resid		aing		0	0	0		
Dumping	- 500	1007		0	0	0		(EFFLUENT (OR STORM	inpu	R)	0	0	0 0		Gravel Pit	Jeriuai			0	0	0	3	
Trash				0	0	0		(SHEETFLOV Other:	۷)			0	0	0		Irrigation		-		0	0	0		
Other:				0	0	0		Other:	-			0	0	0		Other:				0	0	0		
	strial D	ovol		Blatte.			7 A	Outdi.	1.5100.6					1	oneta	tion Stress	ore		ā W	0	0	O		
				ent c	1526				16		DI - 4		1			line at the same			Dist		_	2	Flag	
Fill bubble		ent -	Piot	-	2	3	Flag	Fill bubble		ητ - ι	Plot	1	2	3	Flag		le if prese	ent -	PIOL	0	2	3 O	riag	
Oil Drilling Gas Wells				0	0	0		Forest Clea				0	0	0		Herbicide U				1000	0			
				0	0	0		Forest Sele			-	0	0	0		Mowing/Shi	rub Cutting	3		0	0	0		
Mine (surf		1		0	0	0		Tree Planta Tree Canor		ory	eral.	0	0	0		Trails Soil Compa	ction			0	0	0		
Mine (und	erground	1)		0	0	0		(INSECT) Shrub Laye	r Browse	d		0	0	0	**************************************	(ANIMAL OR H	Wildy Color			0	0	0		
Military				0	0	0		(WILD OR DOI Highly Graz	MESTIC)	Similari na		0	0	0		Offroad vehicle damage Soil erosion (FROM WIND, WATER,			ATER.	0	0	0		
Other:				0	0	0		(OVERALL <3" Recently B	HIGH)			0	0	0		OR OVERUSE)			0	0	0			
Other:				0	0	0		Сапору			nd	0	0	0		Other:			-	0	0	0		
Other: OOO Recently Burned Grassland (BLACKENED)										0	0	0		Other:				0	0	0	1000			
													Igned b	y each field c	rew.		242	8168	304					

Buffer Sample Plots 05/27/2011



_		-		o Caro			100			4.15-0	-09	ere to	L-g-u	-	-						10.0		
•	FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAPRRI230 DATE: 0.6 / 2.7 / 2.0 / 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag →																						
Site	ID: <u>P</u>	CAF	RI	212	1-3	0									DATE	.0.6	127	_/	2	٥,	} _ :	2	
							3 1-1-1-1		Fill	in b	ubb	le(s	if p	lot(s	s) cou	ıld not be	sample	ed a	nd fl	ag -	→		
O AA	Center	0	N	0	S	O	€ 0	W	OP				Plot			Plot 3					- 40		
Fill in bubble Strata Section	es for all th on: Fill in a	at app	oly: Ca eriate d	nopy cover (Type:	D = C	eciduou for eac	s: E = Everare	Buffer en. Leaf T or each plo	vpe: B	= Bro	oadlea	f: N = 1	Needle	e Leaf. A	Absent: No tree oderate(10-40	e canopy. %); 3 = Hea	vy (40)-75%)	; 4 = V	ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 6	0) A	bsen	t: O	Buffer	Canopy	у Тур	e: (•) () At	sent	: O	Buffer	Canopy	Тур	e: 💿	1	Ab	sent	0
Plot 1	Lea	f Typ	e: (0		Flag	Plot 2	Lea	f Тур	e: (B) (Flag	Plot 3	Leaf	Тур	e: (Đ	0			Flag
Big Trees (>	0.3m DBH)	0	0	(1)	0	0	5,1	Big Trees (>	-0.3m DBH)	0	0	①	0	0		Big Trees	(>0.3m DBH)	0	0	0	0	0	
mail Trees (<	<0.3m DBH)		Small Trees (<0.3m DBH)	0	0	(2)	0	0		Small Trees	(<0.3m DBH)	0	0	0	0	0	m					
Woody Shrubs	s, Saplings -5m HIGH)	0		0	0	0		Woody Shrub	s, Saplings +5m HIGH)	0	0	②	0	0			ubs, Saplings 5m-5m HIGH)	0	0	0	0	0	
Noody Shrubs		0	1	0	0	0		Woody Shrub		0	0	0	0	0		Woody Shru	bs, Saplings <0.5m HIGH)	0	0	0	0	0	
	orbs and Grasses	0	0	0	0	0		-	Forbs and Grasses	0	0	0	0	0			, Forbs and Grasses	0	0	0	0	0	
Bare	ground	0	0	0	0	0		Bare	ground	0	0	<u>(1)</u>	0	Ō		Bar	re ground	0	0	0	0	0	
Lit	ter, duff	0	0	②	•	0		Li	tter, duff	0	Ō	<u>0</u>	<u></u>	Ō		L	itter, duff	0	0	0	0	0	
7.5	Rock	(1)	0	<u>3</u>	0	0			Rock	Ō	0	<u>(1)</u>	0	ŏ			Rock	0	Ō	0	0	Ō	
	Water	0	0	<u>3</u>	0	0			Water	Ō	0	<u>0</u>	0	ŏ			Water	0	Ō	0	0	Ö	_
	bmerged	0	$\overline{\odot}$	(2)	0	0	The second		ubmerged	0	$\overline{\odot}$	<u>(1)</u>	<u></u>	$\tilde{\odot}$	T Bar		Submerged	0	Õ	0	<u></u>	0	96.
	egetation or Pres	ence					rm that		egetation bubble in				-	_	unfilled	bubble indic	Vegetation cates abse						8
	dential		7.000						Hydrolo			100					Agricultu			DUTE.		17.0	
Fill bubble				1	2	3	Flag	Fill bubble				1	2	3	Flag			-		1	2	3	Flag
Road - gra				0	0	0		Ditches, C		3		0	0	0		Pasture/Ha	ay			0	0	0	
Road - two				0	0	0		Dike/Dam/	Road/RR		1,-3	0	0	0		Range				0	0	0	
Road - fou	ır lane		100	0	0	0		Water Lev		l Stru	cture	-	0	0		Row Crops	3	Total		0	0	0	
Parking Lo	ot/Paverr	ent		0	0	0		Excavation	ı, Dredgir	ng	112	0	0	0		Fallow Fiel	d (RECENT-I	RESTI	NG	0	0	0	U.
Golf Cours	se			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)				0	0	0	
Lawn/Park	(0	0	0		Freshly De		Sedin	ent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/f	Root Expo	osure		0	0	0		Dairy				0	0	0	H.
Urban/Mul	Itifamily		8 6	0	0	0		Wall/Ripra	Р			0	0	0		Orchard	Ser Est			0	0	0	
Landfill	A Friday		13	0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Sour	R STORM	VATER)	0	0	0		Rural Resid	dential			0	0	0	
Trash			110	9	0	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation				0	0	0	
Other:	ALCOHOL SAN	49-50		0	0	0		Other:		10.00		0	0	0		Other:				0	0	0	
Indu	strial D	evelo	opm	ent S	itres	SOF	8						Habit	at/V	egeta	tion Stress	sors			E.		15	
Fill bubble	e if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	lot	1	2	3	Flag	Fill bubb	le if prese	ent -	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	Jse			0	0	0	
Gas Wells		100		0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	9	18	0	0	0	1
Mine (surf	ace)			0	0	0		Tree Planta				0	0	0		Trails	William S.			0	0	0	
Mine (und	erground	1)		0	0	0		Tree Canop (INSECT)	y Herbivo	огу		0	0	0		Soil Compa (ANIMAL OR H				0	0	0	
Military				0	0	0		Shrub Laye (WILD OR DOM		d		•	0	0		Offroad veh	nicle dama	ge		0	0	0	
Other:				0	0	0		Highly Graz (OVERALL <3"	ed Grass	es		0	0	0		Soil erosion OR OVERUSE		ID, WA	ATER,	0	0	0	
Other:				0	0	0		Recently Bu		est		0	0	0		Other:				0	0	0	
Other:				0	0	0		Recently Bu	ımed Gra	sslar	nd	0	0	0		Other:				0	0	0	
Flag 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 2428168304																							
В	uffer Sar	nple i	Plots	05	/27/:		iain all f	ags in comm	ent sectio	n on	ne ba	ick of	this fo	m					& (. 5 5 7	1,	

																1							
	FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: P(APRIZO DATE: 0 6 1 2 7 1 2 0 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag →																						
Site	ID: P		00	R 1	23	a									DATE	≕ o 6	127	1	2	0	(-6	2	
Locati		711	_	17.1	80				Fill	in b	ubb	le(s) if p	lot(s									
OAA	Center	•	N	0	S	01	≣ 0	W		lot			Plot			Plot 3							
									Buffer						-								
								s; E = Evergre h strata type fo										/y (40-	75%);	4 = V	ery H	eavy (>75%)
Buffer	Canopy	у Тур	e: @) () A	bsen	t: O	Buffer	Canopy	у Тур	e: () (E) AI	bsent	: O	Buffer	Canopy	Туре	: 🐠	(E)	Ab	sent:	0
Plot 1	Lea	f Typ	e: (0			Flag	Plot 2	Lea	f Typ	e: (0	5		Flag	Plot 3	Leaf	Туре		0			Flag
Big Trees (>	0.3m DBH)	0	0	(2)	1	0		Big Trees (>	-0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH)	0	0	(0	0	
mall Trees (<0.3m DBH)	0	0	0	•	0	11 2	Small Trees (<0.3m DBH)	0	0	0	0	0		Small Trees (<0.3m DBH) 0					0		- 14
Woody Shrubs	s, Saplings -5m HIGH)	0	0	0	3	0		Woody Shrubs, Saplings (0.5m-5m HIGH)			0	0	0		Woody Shrubs, Saplings (0.5m-5m HIGH)					0	9		
Woody Shrubs		0	1	2	3	0		Woody Shrubs Sanlings				0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0	0	9	0	0	
	orbs and Grasses	0	0	(4)	0	0			orbs and Grasses	0	0	9	0	0		Herbs, Forbs and Grasses ① ①				0	0	0	4.1
Bare	ground	0	0	•	0	0					•	0	0		Baı	e ground	Ō		0	0	Ō		
Lit	ter, duff	0	0	(2)	0	0		Lit	tter, duff	0	0	0	0	0		L	itter, duff	0	0	0	0	1	
	Rock	0	•	3	0	0			Rock	0	0		0	0			Rock		Ō	0	0	Ŏ	
	Water		0	3	0	0			Water		0	0	0	Ō			Water	•	0	0	0	0	
	ubmerged egetation	0	0	0	0	0			ubmerged egetation	0	0	0	0	$\overline{\odot}$	1-		Submerged Vegetation	6	Ŏ	0	0	Ō	
		sence	e/Ab	send	:e -	Confi	rm that	a filled data		ndica	tes p		ce an	d an	unfilled			nce b	y fillir	ng thi:	s bub	ble. (•
Resi	dential	and	Urba	an Si	tres	sors			Hydrolo	gy S	tres	sors					Agricultu	ıral 8	k Ru	ral S	tres	sors	
Fill bubble	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	e if presen	t - Pl	ot	1	2	3	Flag
Road - gra	avel	Suit		0	0	0		Ditches, Channelization					9	0	2	Pasture/Ha	ay			0	0	0	
Road - two	o lane			0	0	0	1.4	Dike/Dam/		R Bed		0	0	0		Range				0	0	0	
Road - for	ır lane			0	0	0	,	Water Level Control Structure					0	0		Row Crops				0	0	0	
Parking Lo	ot/Pavem	nent		0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Fiel		RESTIN	IG	0	0	0	
Golf Cours	se	e Fil		0	0	0		Fill/Spoil Banks					0	0		Fallow Fiel SHRUBS, TRE		SS,		0	0	0	
Lawn/Park	(0	0	0		Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/Root Exposure					0	•		Dairy				0	0	0	
Urban/Mul	Itifamily			0	0	0		Wall/Riprap					0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outlets Point Source/Pipe					0	0		Confined A		ding		0	0	0	
Dumping				0	0	0		(EFFLUENT C		0	0	0		Rural Resi	dential		-	0	0	0			
Trash				0	0	0		(SHEETFLOW		прас		0	0	0	-	Gravel Pit		-		0	0	0	
Other:				0	0	0		Other:		-		0	0	0		Irrigation	5000000		-	0	0	0	
Other:				0	0	0	SUPPER D	Other:	COLUMN TO			0	0	0	1,36,6	Other:				0	0	0	
	strial D		-	ent S	Stres	sor							1	tat/V		tion Stress				- 1		- 1	
Fill bubble	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if prese	nt - F	Plot	1	2	30.00	Flag
Oil Drilling	har to be			0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	lse			0	0	0	
Gas Wells OOO								Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting			0	0	0	
Mine (surface)								Tree Planta				0	0	0		Trails Soil Compa	otion			0	0	0	3
Mine (underground)								Tree Canop (INSECT)		Na A		0	0	0		(ANIMAL OR H				•	0	0	
Military				0	0	0	4	(11122 011201110)				0	•	@		Offroad veh	MARKET SPICE AND ADDRESS.			0	0	0	
Other:				0	0	0		Highly Grazed Grasses (OVERALL <3" HIGH)				0	0	0		Soil erosion (FROM WIND, WATER, OR OVERUSE)			ER,	0	0	9	
Other:				0	0	0		Recently Burned Forest Canopy				0	0	0		Other:				0	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)	ırned Gra	asslar	nd	0	0	0		Other:				0	0	0	10
● Fl	Flag 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 2428168304																						
В	uffer San	nple l	Plots	05	/27/2		411 1	go in oonin		511	196				AT IL	Hall Sold S		M.				1	