CLEVELAND MET	ROPARKS Plant Community Asses		Quantity C		-1	cland Metroparks
Project Label:	PCAP	Plot No:	1233	Date Sampled	7-11-12	Lead: 4500
	-			Comment requ	ired if item answ	er is NO
Parking/Access outside	of Park Boundaries	Y (N)	If ves wi	ite details in Com		
Field journals complete		Y N	11 7 05,			
Site sketch made on 1:		Fy N				
	X-axis Bearing of plot recorded	D N				Í
encer cover page	GPS coords. Recorded	(Y) N				
	North direction recorded	(3) N				
	Photographs taken?	1 2 3	0-20			
N (N D)		N N	 			
Plot No., Date agreeme		Y) N				
Header data completed		$+ \overline{\smile}$				
	in all Intensive modules	(Y) N				
Browse Level By Spec		(y) N				
Woody stem quality co		Q N				
Invasive plant quality	ontrol check	Q) N		^		
Ash trees mapped		Y N	NI			
Cover by Strata? (conf	• • • • • • • • • • • • • • • • • • • •	GK N		55-51		
Soil samples collected	with matching plot #.	(Y) N				
Vouchers labeled on da	tasheet with initials and number	M ®		iones,		
Vouchers labeled on co	ellection bag	Ø N				
Pink flags removed		(Y/ N				
Data sheet QA before l	eaving site?	W N				
Common equipment re	turned to tub.	Y N				
Data sheets scanned?		7-13-12	Enter dat	e to left		
Final data sheets scann	ed?		Enter dat	e to left		
Buffer Widths measure	d?	(Y) N	KEL	6-29-12	_	
Web Soil Survey		Ý N	AJY	7-13-2012		
Voucher Location	Refrigerator	(Y) N			-	
# vouchers collected)	Press (#)		Enter nur	nber to left		
1834	Drier	Y N				
We 534	Identified	Ŷ N				
	Mounted	Y N				
	Thrown away	CY N				
MINE	Tinown away	1 1				
CDTC i t i c i	on: Is plot sampleable?					
Vo Yes	Original GRTS point is sampleable					
□ No	Original GRTS point lands in a non-		ill in categ	ory below)		
	Point falls in a water (i.e. river, I		ht of week			
	☐ Managed mowed area (i.e. golf ☐ Paved area (i.e. parkinglot, road)	course, picnic area, ngi	n-or-way)			
	□ Unsafe to sample (i.e. steep slope)				
	□ Other					
Additional Comments	3					
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Coard Place Name: College Coard Name: Coard

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	Explain subsample (additional room on back):	yn ba	ck):														
				# stems	% sub	#	size class	(cm) woo	size class (cm) woody stems >1.4m	1.4m							
mod #	species	ი	voucher#	0-1.4m browsed	or super	shrub clumps	0-<1	2 1-<2.5	3 2.5-<5	5-<10	5 10-<15	6 15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	10 35 - <40	11 >40 (record each tree)
	Vitis aestivalis			00			22	· KE	00					1			
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														1	ach tree)			

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet 24 2 25 20 19 16 13 = 23 22 17 9 * 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) None Project Label: PCAP Dead Voucher# Project Name: OI Bu 2012 (cm) DBH (a) ASH Only

Ash Dead #Exit Epicormic condition condition holes present INTENSIVE MODULES ONLY Plot No.: 233 Date: 107 Woodpecker holes Baseline 7/11/2012 *** Change intensive module numbers when necessary Map all ash trees ≥10cm in each module using Tree ID number TREES > 10CM ONLY 9 2 Z Page: 1 of 2 **∞** ω

Page: 1 of 1

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

Soil pit module # 2 (one per entire plot)

20 cm 5 cm matrix color 10 yr 41 texture* matrix color texture* oxid roots nydro cond *** redox features** ydr cond *** oxid roots edox features** •mottle imottle ottle color ottle color 10 yr 3/3 2020 JON 6 Done 2000 I S M ISM(D) ~ 2 8 3 E) Ø

* refer to texture classes on reverse side

** e.g. hydrogen sulfide odor, gleying, etc. *** Circle one:

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

castings present

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

Depth to rest. Layer: >80 inches Impermeable surface Somewhat poorly dr. Well drained Excessively dr. Soil Series Source: Ohio Soil Survey Soil Series/Type: Ellsworth silt loam Soil Collection Moduld Horizon (A, B, C) Parent Material: Till 2,3,8,9 composited and form type: End margines . Wholls on □ Somewhat excessively Moderately well dr. Very poorly dr grown away

PON 2-13-9012

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

		. \		
2	Ċ	۲.	_	nrod#
3.4	4,2	1,2	1,5	1 litter+ organic depth (cm)
3.2	4	1	1.5	2 litter depth (cm)
0	0	0	0	water depth (cm)
730	>30	730	230	depth sat

				A)C							
**** <5 cm in diameter	*** >5 cm in diameter	**Boulder = > 10 in	* Gravel-Cobble = 1/16-10"	Bedrock	Boulder**	Gravel-Cobble*	Mineral Soil	Histosol	(Sum = 100%)	Underlying Earth Surface*	EARTH SURFACE & GROUND COVER
neter	eter	Ħ.	1/16-10"	Ø,	Q	_	99	Ø	percent	Surface*	E & GROUN
Other	Road/Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm + Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	D COVER
	9	1200	Ø	تع	Ø	95	3	13	percent		

COVER BY STRATA estimate using midpoi	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	,ex:3, 8, 13
Strata	Height Range (m)	Total Cover (%)
Tree	75	73
Shrub	.5- 5	558
Herb	うう	She
(Floating)*		2
(Aquatic)*		
rooted and fk	° rooted and floating or slightly emersed	sed
** submersed,	** submersed, most plant mass below surface	w surface
SEE BACK OF	SEE BACK OF PAGE FOR "TYPICAL"STRATA	AL"STRATA

TRAIL INFORMATION:	
record type and cover for each	each
Туре	%Cover
□ All Purpose	
□ Bridle	
□ Hiking sanctioned	
Bootleg unsanctioned	
🗆 Gravel	
n Deer	
7 -	<u>ر</u>

SIMULA ON

-	- < 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

DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

Pio
No.:
12
8

(A) Olympiand Metroparton Page: 1 of 1

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

Module #	C?	Corner Corner	Corner
		-	
			5853

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

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) anks for microhabital flatities. Selectione 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 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

NOTE: tussoc			7	W	7		mod#						
k and hummocks			1	١	١	1	corner						
are counted in BO			٥	0	0	0	(count)	lxlm	depth 3		lussocks	no. of	
NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.			0	0	0	0	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
ers but counts are a	ı		<i>ټ</i>	v	-		(count)	10x10m	depth 1		depressions	по, тасго.	
ggregated.			7	0	7	7	(count)	10x10m	depth 1		(2-12 cm)	c.w.d	c.w.d count
iv			7	1	7	×	(count)	10x10m	depth 1		(12-40cm)	c,w,d	for pieces with r
۲			8	2	0	1	(count)	10x10m	depth 1		>40 cm	c.w.d	c.w.d count for pieces with minimum 1m length
			~	25	3	W	(rank)	10x10m	depth 1		interspers.	microhab.	
			0	0		0	(rank)	10x10m	SLOPE			microhab.	

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

FICATION		
llent g Fit and Confidence		
morphic class (WETLANDS ONLY):		
SSION	Fit	Conf=
NDMENT o Beaver o Human	F	Conf=
NE 🗆 Headwater 🗈 Mainstem 🗆 Channel		Conf=
(ground water hydrology or on a physical slop)	Fit=	Conf=
NG D Reservoir D Natural Lake	T	Conf=
AL (specify subclass)	A -	Conf=
rongly, moderately, weekly ombrotrophic)	Fit=	Conf=
VIBI Plant Community Class (WETLANDS ONLY):	Ë	
□ swamp forest □ boy forest □ forest seep	7	Conf=
iENT □ marsh □ wet meadow □ open bog	Fit=	Conf=

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

** Terrain Shape Index (site microtopographic shape)

Landform Index (position within landscape)

+315 degrees

N.N.

+270 degrees

٤

+225 degrees

WS

recorders eye to eye of person standing ~10 m

angle from

away.

+180 degrees +135 degrees

+90 degrees +45 degrees At aspect

horizon. TSI is angles formed by local stopes. Far TSI measure

LFI is angle of plot to the

SE

ΝE

1	740	33	2	11	Module	corresorantig space. (# dots per grid square)
_	ىو	1	-	نړ	Z	ace. (# dois pe
~	6X	7	2-	1	s	a grad square)
N	E	3	,	/	Е	
د	2	S	2	W	W	L.

							A.	9	8	ŀ
	H		W		٧		12	¥	Ŵ,	
~	نه	***	N	_	נע	حر		ىھ	_	ľ
<i>ا</i> ح	W	6	7	2	ع	0	ν.	×	7	
W	Wi	w	\sim	-	-	~	N	Eh	3	
10	W W	7	6	\	M	در	۲	2	5	

			V		07073	0.00	13.74				The same	1	3-94-	-51-00							
		اجار						RM B-1:	BUFF	ER	SAI	MPL	ΕP	LOT	rs (F	ront)	Reviewed by	(initial):	-	
Site	ID: <u></u>	'CA	PBR	2	912	18	33								DATE	: 07	1112	0.	10	2	
Locati	on:		196						Fill	in b	ubb	le(s) if p	lot(s) cou	ıld not be	sampled and f	lag -	->	Ì	П
OAA	Center	C	N	0	S	01	E 0	W	OP				Plot			Plot 3					
Fill in bubble	es for all th	nat ap	ply: Ca	nopy	Type:	D = [Deciduou		Buffer en. Leaf T							Absent: No tree	canopy.				
																	%); 3 = Heavy (40-75%)); 4 = \	ery H	eavy ((>75%)
Buffer	Canop		760) (\leftarrow	bsen	t: O	Buffer	Canopy	у Тур	e: (0 () AI	bsen	: O	Buffer	Canopy Type:	(E)	+	sent	: O
Plot 1		-	e: @				Flag	Plot 2	Lea		e: (_	Flag	Plot 3	Leaf Type:		\rightarrow		Flag
Big Trees (>	>0.3m DBH)	$\stackrel{\smile}{\sim}$	0	0	9	0		Big Trees (>0.3m DBH)	0	0	(4)	0	<u>O</u>	1 7	Big Trees	>0.3m DBH) 0 0	0	0	9	
mall Trees (-	0	0	0	0		Small Trees (Woody Shrub		=		0	0	0	11	Small Trees	00	9	0	0	
	-5m HIGH)	0	0	9	0	0		(0.5n	1-5m HIGH)		0	0	0	0			bs, Saplings m-5m HIGH)	•	0	0	
	.5m HIGH)	0	0	0	0	0	¥).5m HIGH)	9	0	0	9	<u>O</u>		(<	0.5m HIGH)	0	0	0	
	Grasses	0	0	0	0	0		nerus,	Forbs and Grasses	0	0	•	0	<u>0</u>		nerus,	Grasses U	0	0	0	Acres
-	ground	0	0	0	0	0			ground	0	9	0	9	<u>O</u>			e ground 🕠 🌑	0	0	0	
Lit	ter, duff	0	0	0	0	0		Li	tter, duff	0	0	0	0	0		L	itter, duff 0 0	0	6	0	
	Rock	0		0	0	0			Rock	0	9	0	<u>(1)</u>	0			Rock 💿 🌑	0	0	0	
21	Water	0	0	0	0	0			Water	•	0	0	9	0			Water 0	0	9	0	
V	egetation		0	0	0	0			egetation		0	0	0	0			Vegetation	0	0	0	
Stress	or Pres	senc	e/Ab	send	:e -	Confi	rm that			DI DA	31.50	12/1	ce an	d an	unfilled		ates absence by filli	1 3 3			-
Resi	dential	and	Urb	an S	tres	T			Hydrolo	gy S	tres	sors					Agricultural & Ru		1		
ill bubble	e if prese	ent -	Plot	1	2	3	Flag	Fill bubble	e if prese	nt - i	Plot	1	2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gra		-		0	0	0		Ditches, C Dike/Dam/	Accelerately with			0	0	0		Pasture/Ha	У	0	0	0	
Road - two				0	0	0	1,2	(IMPEDE FLC	W)			0	0	0		Range		0	0	0	
Road - fou				0	0	0		Water Lev			cture	+ -	0	0		Row Crops	(RECENT-RESTING	0	0	0	
Parking Lo	CONTRACTOR OF THE PARTY OF THE	IEIIL		0	0	0 0		Excavation Fill/Spoil B		ıy		0	0	0	e.	ROW CROP FIELD	(OLD - GRASS,	0	0	0	
Golf Course _awn/Park Suburban Residential			TO SE	0	0	0		Freshly De	posited S	Sedin	nent	0	0	0		SHRUBS, TRE Nursery	ES)	0	0	0	-
			0	0	0		Soil Loss/	Root Exposure				0	0		Dairy		0	0	0	1 9	
Jrban/Mul	ltifamily			0	0	0		Wall/Ripra	p				0	0	*	Orchard		0	0	0	
_andfill			4	0	0	0	7 1	Inlets, Out		s			0	0		Confined A	nimal Feeding	0	0	0	13
Dumping				0	0	0	1000	Point Sour		VATER	2)	0	0	0		Rural Resid	lential	0	0	0	
Frash			**	0	0	0		Impervious (SHEETFLOV	surface			0	•	•	V.	Gravel Pit		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation		0	0	0	ik
Other:				0	0	0		Other:				0	0	0		Other:		0	0	0	
Indus	strial D	evel	opm	ent S	Stres	sor	8						labit	tat/V	egeta	tion Stress	ors				
ill bubble	if prese	ent -	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				0	0	0		Forest Sele				0	0	0		Mowing/Shr		0	•	•	
Vine (surf	ace)			0	0	0		Tree Planta		98		0	0	0		Trails		0	•	0	
viine (und	erground	 l)		0	0	0		Tree Canop		ory		0	0	0		Soil Compa (ANIMAL OR H		0	0	0	
vilitary		8.01		0	0	0		Shrub Laye		d		•	0	•			icle damage	0	0	0	
Other:		-		0	0	0		(WILD OR DON Highly Graz	ed Grass	es		0	0	0		Soil erosion	(FROM WIND, WATER,	0	0	0	
Other:				0	0	0		(OVERALL <3° Recently Bu		est		0	0	0		OR OVERUSE) Other:		0	0	0	
				200				Canopy Recently Bu	ırned Gra	sslaı	nd	0		0		Other:		0	198	0	
Other:	au codec	K =	No mo	O	Ment	Made		(BLACKENED)	urement	F4 E4) pto		O	-		y each field cr	PW .		O		4
						Exp		ags in comm							יאויפט ט	y seun neiu Ci	ew. 2421	8168	3304		
BI	uffer San	ipie	riots	U5	14//	2011	1														

FORI	M B-1: BUFFER SAMPLE P	LOTS (F	ront) Reviewed by	(initial):	1/3	_ (
Site ID: PCAPBR 1 233		DATE	: 071/112	0	, ,	1	
Location:	Fill in bubble(s) if r	olot(s) cou	ild not be sampled and f	lag -	_, <u>∽</u>		
OAA Center ON OS OE OV			Plot 3				=
	Buffer Natural Cover S	trata					
Fill in bubbles for all that apply: Canopy Type: D = Deciduous; Strata Section: Fill in appropriate cover class bubble for each s				; 4 = V	ery He	avy (>	75%)
Buffer Canopy Type: (a) Absent: (Buffer Canopy Type: (1) (2) A	bsent:	Buffer Canopy Type:	(1)	Abs	ent:	0
Plot 1 Leaf Type: Flag	Plot 2 Leaf Type: (1)	Flag	Plot 3 Leaf Type:	$\stackrel{\sim}{\sim}$	1		Flag
	Big Trees (>0.3m DBH)	②	Big Trees (>0.3m DBH)	0	0	(1)	
mall Trees (<0.3m DBH) (0) (1) (2) (0) (5)	mall Trees (<0.3m DBH)	0	Small Trees (<0.3m DBH)	0	0	0	
Voody Shrubs, Saplings (0.5m-5m HIGH) (0.5m-5m HIGH)	Woody Shrubs, Saplings (0.5m-5m HIGH)	0	Woody Shrubs, Saplings (0.5m-5m HIGH)	•	0	0	
(Woody Shrubs, Saplings (<0.5m HIGH)	0	Woody Shrubs, Saplings (<0.5m HIGH)	0		Ō	
Herbs, Forbs and Grasses O O O O O	Herbs, Forbs and Grasses O O O O	0	Herbs, Forbs and Grasses	•		Ō	
Bare ground ② ③ ② ③ ④	Bare ground ① ③ ② ③	0	Bare ground	0		Ō	
Litter, duff O O O O	Litter, duff 0 0 0	0	Litter, duff ()	0			
Rock (0) (1) (2) (3) (0)	Rock O O O O	0	Rock () (6)	0	_	Ö	
Water () () () ()	Water 🔞 🛈 2 3	0	Water 🚳 🕦	2	_	Ŏ	
Submerged Vegetation	Submerged Vegetation 2 0	0	Submerged Vegetation	(2)	0	$\tilde{\odot}$	
Stressor Presence/Absence - Confirm that a	. regonation [2] 2] 2	nd an unfilled	regetation -		s bubl	ole.	9
Residential and Urban Stressors	Hydrology Stressors		Agricultural & Ru	ral S	tress	ors	
ill bubble if present - Plot 1 2 3 Flag F	Fill bubble if present - Plot 1 2	3 Flag	Fill bubble if present - Plot	1	2		Flag
	Ditches, Channelization	0	Pasture/Hay	0	0	0	
Road - two lane	Dike/Dam/Road/RR Bed O O		Range	0		o	
	Water Level Control Structure O	0	Row Crops	0	0	0	
	Excavation, Dredging O O	0	Fallow Field (RECENT-RESTING ROW CROP FIELD)	0	0	0	Щ
Golf Course OOO	Fill/Spoil Banks O O	0	Fallow Field (OLD - GRASS, SHRUBS, TREES)	0	0	0	
	reshly Deposited Sediment OO	0	Nursery	0	0	0	N. I
Suburban Residential O O O	Soil Loss/Root Exposure O O	0	Dairy	0	-	0	
	Wall/Riprap O O	0	Orchard	0	_	0	
9 9 9	nlets, Outlets O O	0	Confined Animal Feeding	0		0	0 k
Dumping OOO	Point Source/Pipe EFFLUENT OR STORMWATER) O O	1	Rural Residential	0		0	L.
rash 😈 O O	mpervious surface input SHEETFLOW)		Gravel Pit	0		0	
	Other: O O		Irrigation	0	LCS-WANTED	0	
Other: 0 0 0	Other: O O		Other:	0	0	0	
Industrial Development Stressors	Habi	itat/Vegetat	tion Stressors				
fill bubble if present - Plot 1 2 3 Flag F	ill bubble if present - Plot 1 2	3 Flag	Fill bubble if present - Plot	1	2	3 1	Flag
Oil Drilling OOOF	orest Clear Cut O O	0	Herbicide Use	0	0	0	
Gas Wells OOOF	orest Selective Cut O O	0	Mowing/Shrub Cutting	•	0	0	
Mine (surface)	ree Plantation O O	0	Trails	0	0	0	(
	ree Canopy Herbivory USECT)	0	Soil Compaction (ANIMAL OR HUMAN)	0	0	0	
Military O O O S	hrub Layer Browsed VILD OR DOMESTIC)	②	Offroad vehicle damage	0	0	0	
Othor:	ighly Grazed Grasses VERALL <3" HIGH)	0	Soil erosion (FROM WIND, WATER, OR OVERUSE)	0	0	0	
Other: O O O R	ecently Burned Forest O O	57-6	Other:	0		0	
O O O R	ecently Burned Grassland O O	1000	Other:	0		0	
Flag codes: K = No measurement made, U = Sus	CACACIAED)		u anch field armi	8168			1

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

Buffer Sample Plots 05/27/2011



•			M SI		PU		FO	RM B-1:	BUFF	ER	SAN	/IPL	E P	LOT	S (F	ront)	Re	viewe	d by (ini	ial):		•
Site I	D: p	CA	PR	11	93	3									DATE	0.7	111		a o	.1	a	
Location			4		121 13			landi la	Fill	in b	ubb	le(s	if p	lot(s	s) cou	ıld not be	sample	d an	d flag	ı —		
OAAC	Center	C	N	0	S	O	. 0	W	OP	lot	1	0	Plot	2	OF	Plot 3						ė
Fill in bubble Strata Section	es for all th on: Fill in a	nat app	oly. Ca	nopy :	Type:	D = D	eciduou for eacl	s: E = Everare	Buffer een. Leaf T or each plo	voe: E	B = Bro	adlea	f: N = I	Needle	e Leaf. A	Absent: No tree oderate(10-40°	e canopy. %); 3 = Heavy	/ (40 - 7	'5%); 4	= Very	Heavy	(>75%)
Buffer	Canopy	у Тур	e: 🙆	(E) AI	bsen	t: ()	Buffer	Canopy	у Тур	e: 🕡	(E) At	sent	: ()	Buffer	Canopy 1	уре:		E) [4	bsen	t: ()
Plot 1	Lea	f Typ	e: 🕡	(Flag	Plot 2	Lea	f Typ	e: 🧶) (Flag	Plot 3	Leaf T	ype:	0	<u> </u>		Flag
Big Trees (>	0.3m DBH)	0	0	•	0	0		Big Trees (>0.3m DBH)	0	0	2	3			Big Trees	(>0.3m DBH)	0	0		0	
mall Trees (<	:0.3m DBH)	0	0	•	3	0		Small Trees (<0.3m DBH)	0	0	0	0			Small Trees	(<0.3m DBH)	<u> </u>	1	0	0	
Noody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0		<u> </u>	0		Woody Shrub (0.5n	s, Saplings 1-5m HIGH)	0	0	(3)	0	0			ibs, Saplings m-5m HIGH)	0	0	0	0	
Noody Shrubs		0	(3)	0	<u>(1)</u>	0		Woody Shrub		0	0	2	0	0		Woody Shru (<	bs, Saplings :0.5m HIGH)	0	3) (0	
Herbs, F	orbs and Grasses	0	(0	3	0			Forbs and Grasses	0	•	(2)	0	0		Herbs,	Forbs and Grasses	o	9 () (0	
	ground	0	•	0	3	0		Bare	ground	0	(②	0	0		Bar	e ground (o) (
Litt	ter, duff	0	0	2	<u> </u>			Li	tter, duff	0	0	0	0			L	itter, duff	0	0) (
	Rock	0	(b)	0	3	0			Rock	0	0	②	0	0			Rock (o	9 () (0	
	Water	(4)	0	0	0	0			Water	(3)	0	2	0	0			Water		0 () (0	
	bmerged egetation	(1)	0	2	3	0			ubmerged /egetation	•	0	②	0	0			Submerged Vegetation		0) (0	
		sence	e/Ab	senc	e - (Confi	rm that			ndica	tes p	esen	ce an	d an	unfilled	bubble indic		ce by	/ filling	this b	ubble	•
Resi	dential	and	Urba	ın St	ress	sors			Hydrolo	gy S	tres	sors	616		No.	emodels,	Agricultu	ral &	Rura	Stre	ssor	s
ill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - i	Plot	1	2	3	Flag	Fill bubble	if present	- Plo	t 1	2	3	Flag
Road - gra	ivel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ıy		(0	0	
Road - two	lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range			() C	0	
Road - fou	ır lane		Est)	0	0	0		Water Lev		l Stru	cture	0	0	0		Row Crops			() (0	
Parking Lo	ot/Pavem	nent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel	d (RECENT-RI	ESTING	3 () C	0	
Golf Cours	se			0	0	0		Fill/Spoil E	1000			0	0	0		Fallow Field SHRUBS, TRE	d (OLD - GRAS	SS,	() (0	
Lawn/Park	awn/Park O O O					Freshly De		Sedin	nent	0	0	0		Nursery			() C	0	44		
Suburban	awn/Park O O O suburban Residential O O O				Soil Loss/Root Exposure			0	0	0		Dairy			(
Urban/Mul	tifamily			0	0	0		Wall/Ripra	p		1.16	0	0	0		Orchard			(
Landfill				0	0	0		Inlets, Out Point Sour				0	0	0			nimal Feed	ing	(-	OIL DESCRIPTION	
Dumping				0	0	0		(EFFLUENT O	OR STORM			0	0	0		Rural Resid	dential		(
Trash				0	0	0		(SHEETFLOV		iripu		0	0	0		Gravel Pit			-	-	-	
Other:				0	0	0		Other:				0	0	0		Irrigation			(to desire	
Other:				0	0	0		Other:			art to an	0	0	0		Other:	Mary and all	-51-10	10) C	0 0	
Indus	strial D	evel	opmo	ent S	Stres	sor	В					- 1	Habit	tat/V	egeta	tion Stress	sors					
Fill bubble	if prese	ent - i	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if preser	nt - P	lot	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse		(0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting		(0	
Mine (surfa	ace)			0	0	0		Tree Planta			and the same	0	0	0		Trails			(0	
Mine (und	erground	i)		0	0	0	10.00	Tree Canor (INSECT)	y Herbiv	огу		0	0	0		Soil Compa (ANIMAL OR H			() (0	
Military				0	0	0		Shrub Laye	r Browse	d		•	0	0		Offroad veh	nicle damag	е	() (0	
Other:				0	0	0		Highly Graz	ed Grass	ses	0 8	0	0	0		Soil erosion OR OVERUSE		, WAT	ER,	0	0	
Other:				0	0	0		Recently B		est		0	0	0		Other:					0	
Other:				0	0	0		Recently Bi		essla	nd	0	0	0		Other:					1	
-	ag codes	: K = 1	lo me			made	e, U=S	uspect meas	urement.,	F1,F	2, etc.	= mis	c. flag	s ass	Igned b	y each field c	rew.	2	4281	_	T T	
	uffer Sar				/27/:	Exp	lain all f	lags in comn	nent sectio	on on	the ba	ick of	this fo	ЭITT				-	-1201	503		

										230	-201	100									
•			()) n	E)	8.4	OB	FOI	RM B-1:	BUFF	ER	SAI	NPL	ΕP	LOT	rs (F	ront)	Reviewed	by (initial):		•
Site II	D: P	CA	P 6	or l	23	3									DATE	:07	1 1 1 1 3	0	1.3	٦.	
Locatio		2222		- Contract					Fill	in b	ubb	le(s)	if p	lot(s) cou	ıld not be	sampled and	flag	→	\Box	
OAAC	enter	C	N	0	S	01	E 0	W	OF	lot	1	01	Plot	2	OF	Plot 3					
										ype: E	3 = Br	adlea	f; N =	Needl	e Leaf. A	Absent: No tree	e canopy. %); 3 = Heavy (40-75	%); 4 = '	Very H	eavy	(>75%)
Buffer	Canop	у Тур	e: 🚺	(E) AI	bsen	t: ()	Buffer	Canop	у Тур	e: 🕼) (E) Ai	oseni	: (Buffer	Canopy Type:) (E) At	sent	: ()
Plot 1	Lea	f Typ	e: 🥑) (5		Flag	Plot 2	<u> </u>		e: (=			Flag	Plot 3	Leaf Type: (_		Flag
Big Trees (>0).3m DBH)	0	0	(2)	(6)	0		Big Trees (>0.3m DBH)	0	0	0	0	•		Big Trees	(>0.3m DBH)		0	0	
mall Trees (<0).3m DBH)	0	0	②	0			Small Trees	(<0.3m DBH)	0	0	2	0	0		Small Trees	(<0.3m DBH)	0	0	(3)	
Voody Shrubs, (0.5m-5	Saplings om HIGH)	0	0	•	0	0		Woody Shrub (0.5n	s, Saplings n-5m HIGH)	0	0	(0	0			ubs, Saplings im-5m HIGH)		3	0	
Voody Shrubs, (<0.5	Saplings om HIGH)	0	((2)	3	0		Woody Shrub	s, Saplings 0.5m HIGH)	0	@	0	0	0			obs, Saplings <0.5m HIGH)	0	0	0	
Herbs, Fo	orbs and Grasses	0	•	0	0	0		Herbs,	Forbs and Grasses	0	@	0	0	0		Herbs,	Forbs and Grasses	0	<u> </u>	0	
	ground	0	0	0	0	0		Bar	ground	0	@	0	0	0		Bar	e ground 🕛 🌘	0	<u> </u>	0	
Litte	er, duff	0	0	0	0	@		Li	tter, duff	0	0	0	0	@		L	itter, duff 💿 🙋	0	0	0	
	Rock	•	0	2	0	0			Rock	0	6	0	0	0			Rock 🗿 🦸		3	0	
	Water	•	0	2	3	0			Water		0	0	0	0			Water 🚳 🔾	0	0	0	
	omerged getation	(0	2	①	0			ubmerged /egetation	0	0	0	0	0			Submerged Vegetation	1-	0	0	
		enc	e/Ab	send	:e - 1	Confi	rm that			ndica	tes p	-	ce an	d an	unfilled		cates absence by	illing th	is bul	oble.	•
Resid	lential	and	Urba	an S	tress	sors			Hydrolo	gy S	tres	sors		haliy			Agricultural & F	lural S	Stres	sors	
ill bubble	if prese	ent - i	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent - i	Plot	1	2	3	Flag	Fill bubble	e if present - Plot	1	2	3	Flag
Road - grav	vel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ау	0	0	0	
Road - two	lane			0	0	0		Dike/Dam		Bed	MA	0	0	0		Range		0	0	0	
Road - four	lane			0	0	0		Water Lev	STATE OF THE PARTY	l Stru	ıcture	0	0	0		Row Crops		0	0	0	
Parking Lot	t/Pavem	ent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0	
Golf Course	е			0	0	0		Fill/Spoil E				0	0	0		Fallow Field SHRUBS, TRE	d (OLD - GRASS, ES)	0	0	0	
Lawn/Park	3 3 3						Freshly De (UNVEGETA		Sedin	nent	0	0	0		Nursery		0	0	0		
Suburban F	burban Residential O O O					Soil Loss/Root Exposure Wall/Riprap				0	0	•		Dairy		0	0	0			
Urban/Multi	ifamily			0	0	0		Wall/Riprap				0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined Animal Feeding			0	0	
Dumping				0	0	0		(EFFLUENT (OR STORM			0	0	0		Rural Resid	dential	0	0	0	
Trash				0	0	0		(SHEETFLOW		при		0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:		2000		0	0	0		Other:				0	0	0		Other:		10	0	0	
Indus	trial D	evel	opme	ent S	Stres	sor	8					ŀ	łabit	tat/V	egeta	tion Stress	sors				
ill bubble	if prese	ent - i	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if present - Plo	t 1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse	0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surfa	ce)			0	0	0		Tree Planta				0	0	0		Trails		0	•	0	1
Mine (unde	rground)		0	0	0		Tree Canop (INSECT)	y Herbivo	ory	C WALLY	0	0	0		Soil Compa (ANIMAL OR H		0	9	0	
Military				0	0	0		Shrub Laye		d		•	0	•		Offroad veh	nicle damage	0	0	0	
Other:				0	0	0		Highly Graz	ed Grass	es		0	0	0		Soil erosion OR OVERUSE	(FROM WIND, WATER	0	0	•	
Other:			1	0	0	0		Recently B		est		0	0	0		Other:		0	0	0	
Other:	4-11			0	0	0		Recently Bi (BLACKENED)		esslar	nd	0	0	0		Other: O O					
	g codes:	K = N	lo me	100 mill		made		uspect meas	urement.,			= mis	c. flag	s ass		y each field c	rew.	2816		0	
Bu	ffer San	nple l	Plots	05	/27/2		lain all f	lags in comn	ent section	n on	the ba	ck of	this fo	orm			24	POTO	0.004		

•				1			FO	RM B-1: BUF	FER	SA	MPL	E P	LO	rs (F	ront)	190.0	Review	ved by	(initial):		•
Site	ID: PC	AA	B	rla	23	3								DATE	0.7	1.1.1	1	2	0	1 .	λ.	
Locati			A.					Fi	ll in k	ubk	le(s) if p	lot(uld not be							
O AA	Center	C	N	0	S	01	≡ 0	W O	Plot	1	0	Plot	2	OF	Plot 3							
Eill in bubble	aa faa all 46		alu Ca		T	D - 5) - alda	Buffe							Namati Na tini			353		- 25	E - E 2	
								is; E = Evergreen. Leaf h strata type for each p									vy (40	-75%)	; 4 = \	/ery H	eavy (>75%)
Buffer	Canop	у Тур	e: () A	bsen	t: O	Buffer Cano	ру Тур	oe: () Al	sen	t: O	Buffer	Canopy	Тур	e: (D	(E) At	sent	: O
Plot 1	Lea	f Typ	e: () (·			Flag	Plot 2 Le	af Typ	ре: () (Flag	Plot 3	Leaf	Туре	<u>: ()</u>	<u>(</u>)		Flag
Big Trees (>	•0.3m DBH)	6	0	0	3	0		Big Trees (>0.3m DBI	1) ①	0	0	0	<u> </u>		Big Trees	(>0.3m DBH)	0	0	(2)	(3)	0	
mall Trees (<0.3m DBH)	0	0	0	0	(Small Trees (<0.3m DB	H) ①	0	0	0	<u> </u>		Small Trees	(<0.3m DBH)	0	0	2	0	0	
Woody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0	0	0	0		Woody Shrubs, Sapling (0.5m-5m HIGH		0	0	0	0			ıbs, Saplings im-5m HIGH)	0	0	(2)	0	0	
Woody Shrubs (<0	s, Saplings .5m HIGH)	0		0	0	0		Woody Shrubs, Sapling (<0.5m HIGH		0	0	0	0			bs, Saplings 0.5m HIGH)	0	0	2	0	0	
Herbs, F	orbs and Grasses	0		0	①	0		Herbs, Forbs an Grasse		0	0	0	0		Herbs	Forbs and Grasses	0	0	2	<u> </u>	0	
Bare	ground	•	0	0	1	0		Bare ground	$\neg \neg$	0	0	0	<u> </u>	·	Bai	e ground	0	0	2	3	0	
Lit	ter, duff	0	0	0	3	•		Litter, duf	f 0	0	0	0	0		L	itter, duff	0	0	2	<u> </u>	0	-
-	Rock	6	0	0	0	0		Rock	(0	0	(2)	0	<u></u>			Rock	0	0	(2)	0	0	
•	Water	(b)	0	0	0	0		Wate	г <u>О</u>	0	3	<u>0</u>	0			Water	0	0	(2)	0	0	
	bmerged egetation		0	(2)	0	0		Submerge Vegetatio		Ō	<u>(1)</u>	0	$\overline{\odot}$			Submerged Vegetation	0	0	0	0	Ŏ	
		sence	e/Ab	send			rm that	a filled data bubble			resen		d an	unfilled	Name and Administration of the Owner, where		ence i		_			•
Resi	dential	and	Urba	an S	tres	sors		Hydrol	oav S	Stres	sors		7			Agricult	ural 8	& Ru	ral S	itres	sors	
Fill bubble	if prese	ent - i	Plot	1	2	3	Flag	Fill bubble if pres			1	2	3	Flag					1	2	3	Flag
Road - gra				0	0	0	ibrahlaspon Alli	Ditches, Channeli	1,120		0	0	0	La les Harres	Pasture/Ha	av	W)		0	0	0	
Road - two				0	0	0		Dike/Dam/Road/R			0	0	0	<u> </u>	Range				0	0	0	
Road - fou	ır lane			0	O	Ō		(IMPEDE FLOW) Water Level Conti	ol Str	ıcture		0	0		Row Crops				0	O	0	2
Parking Lo	ot/Pavem	nent		0	0	0		Excavation, Dredg	jing		0	0	0		Fallow Fiel		RESTII	NG	0	0	0	0
Golf Cours	se			0	0	0		Fill/Spoil Banks			0	0	0		Fallow Fiel	d (OLD - GR	ASS,		0	0	0	
Lawn/Park	awn/Park O O O						Freshly Deposited (UNVEGETATED)	Sedin	nent	0	0	0		Nursery				0	0	0		
Suburban	Residen	tial		0	0	0		Soil Loss/Root Ex	0	0	0		Dairy				0	0	0			
Urban/Mul	ltifamily			0	0	0		Wall/Riprap	0	0	0		Orchard				0	0	0			
Landfill		A) I		0	0	0		Inlets, Outlets			0	0	0		Confined Animal Feeding				0	0	0	
Dumping		WIR		0	0	0		Point Source/Pipe (EFFLUENT OR STOR)	WATER		0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious surfac (SHEETFLOW)	e input		0	0	0		Gravel Pit		A.		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 Do	evelo	opmo	ent S	Stres	son	5					Habit	tat/V	egeta	tion Stress	sors						
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble if pres	ent -	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - l	Plot	1	2	3	Flag
Oil Drilling				0	0	0	BV 1-78 1 A - 1 A - 1 A A A A - 1 A - 1	Forest Clear Cut			0	0	0		Herbicide U	lse	VII.		0	0	0	
Gas Wells				0	0	0		Forest Selective Co	ut		0	0	0		Mowing/Sh		1		0	0	0	
Mine (surfa	ace)			0	0	0		Tree Plantation		113	0	0	0		Trails				0	0	0	
Mine (und	erground	1)		0	0	0		Tree Canopy Herbi	vory	val.	0	0	0		Soil Compa				0	0	0	
Military				0	0	0		(INSECT) Shrub Layer Brows	ed	T W	0	0	0		(ANIMAL OR H	La brook and	ne .		0	0	0	
			103			0		(WILD OR DOMESTIC) Highly Grazed Gras	ses	10/2		0	0		Soil erosion	(FROM WIN	100	TER,	0	0	0	
Other:			-	0	0			(OVERALL <3" HIGH) Recently Burned Fo	orest		0	The same			OR OVERUSE)					2000	
Other:			-	0	0	0		Canopy Recently Burned G		nd	0	0	0		Other:		-		0	0	0	
Other:				0	0	0		(BLACKENED)		. 1	0	0	0		Other:				0	0	0	
● Fi	ag codes:	K = N	lo me	asure	ment			uspect measurement lags in comment sect						igned b	y each field c	rew.		242	3168	3304		

Buffer Sample Plots 05/27/2011