Project Label:	PCAP PCAP	Plot	No: <u>125</u>	5_Date S	ampled:	7-26-12	Lead: Barton
				Comm	ent require	ed if item a	nswer is NO
Parking/Access outs	ide of Park Boundaries	Y	If yes,	write details	in Comm	ents section	ı below
Field journals compl	eted	Y N					TS:
Site sketch made on	1:3000 map?	₩ N					
Check cover page	X-axis Bearing of plot recorded	(Y) N					
	GPS coords. Recorded	Y) N					
	North direction recorded	V N		-3-22			
))) 	Photographs taken?	Y) N					**************************************
Plot No., Date agree		Y N					
Header data complet		A N					
	ed in all Intensive modules	Y N					-
Browse Level By Sp		Y N					7.5
Woody stem quality		(Y) N					
Invasive plant qualit		(Y) N					
Ash trees mapped		Y N) N/	A			**
Cover by Strata? (co	nfirm cover type)	(Y) N					
	ed with matching plot #.	(Y) N					
	datasheet with initials and number	(Y) N					
Vouchers labeled on		Y N					
Pink flags removed		Y N					-
Data sheet QA before	e leaving site?	(Y) N		-500 Weeks			
Common equipment		Y N					
Data sheets scanned?		7/27/1	2 Enter d	late to left	NZ		
Final data sheets scar		187	T	late to left			
Buffer Widths measu	ired?	(Y) N	KFL		9-12		
Web Soil Survey		(Y) N	TK	7-2	7-1	2	
Voucher Location	Refrigerator	YN		<u> </u>			(-
# vouchers collected)	Press (#)		Enter n	umber to lef	ì		
,	Drier	Y N					
	Identified	Y N			22-		
	Mounted	Y N					
	Thrown away	Y N					
	tion: Is plot sampleable?						
₩ Yes	Original GRTS point is sampleable						
□ No	Original GRTS point lands in a non-s		a (fill in cate	egory below) :		
	□ Point falls in a water (i.e. river, la						
	Managed mowed area (i.e. golf of Paved area (i.e. parkinglot, road)	course, picnic area,	right-of-way)				
	Unsafe to sample (i.e. steep slope))					
	Other		West (A)		2.1. 00000		
Additional Commen	ts:						
Additional Commen	ts:			-			
	rol 2011.xls last revised 6/20/2011 c						Mangement Form NF

CVS Field Guide OVER	*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	Minimum required fields in Bold and Underlined
	□ Systematic (grid) □ Capture specific feature □ Other	Authority: G&C Pub Date: 1998
	□ Random □ Stratified Random □ Transect component	TAXONOMIC STANDARD
	Plot placement: #GRTS - Representative	lichen
	Photo Nos.: 081	bryo
	Camera No.: 4	vascul. X n/a
	Intensive modules: 2, 3, 8, 9 1, 2, 3, 4 (EDIT IF MODIFIED)	high modera low not smpl
	Depth: (1-5): 4	TAXONOMIC ACCURACY
loraxacum officinale, Verbaina altornitalia	X-axis Bearing of plot: [{20] 0	u Hurried data
THE DENCED CARDIA, INDIVIDUA TOMORY LOVENJON	Plot size for cover data: 504 (hectares)	nay still provide good
History of the Colonial Pages	GPS File Name: 1255A	how much effort put into
Oca. Char X + 1 1 1	Coord. Accuracy: In	Effort Level: subjective evaluation of
	01.55638	SAMPLING QUALITY*
Ketinal 6275 Bint	Latitude: 41 37840	□ Perm. water 🤏 🗆 Paved 🗆 Slope 🗆 Safety
o with homomet to drew	$x = \bigcirc y = \bigcirc \text{ (base of plot } x=0, y=0)$	PLOT NOT SAMPLED:
Serie Overtook Plat Tippe Printer &	GPS location in plot $x=0$ to 5, $y=-1,0,+1$):	** Roles: Co-lender, Asst., Guide, Owner, Taxonomist, etc.
- Ocatron about 250m Down Garge Cram	Datum: ■ NAD83/WGS84 □ NAD27	L. Huttman Woody Soils
	□ Other (specify) ■ m □ ft □	W. Rucker Woodylosils
Cayout 1x4 Govel Box	■ Lat/Long □ UTM □ StatePlane ■ deg □ deg min	J. Catella "
dominants, strata, BROWSE). Additional notes in space on back.	Coordinate system: Coord. Units	K. Lewis, Bot. Aut.
NOTES: Include Layout (any unusual shape details), Location (directions and landscape content), Rationale (why here), and Veg Characterization (description of community.	Source of coordinates □ MAP ■ GPS	Z, Barton Plot leader
Key: (0,0) point point with direction permanent posts	If data not public why?	Party Role**
Plot origin CPS location Short taken	Reason:	End date (if > 1 day): / /
#1 #2 #3 #4 #5	□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	Date (mm/dd/yyyy): 1/26/12
	Check one: & Sublic data Derivate Data	Level 5 (nested corners sampled)
2	Data Confidentiality:	Level 4 (no nested corners sampled)
plot: #10 #8 #2 #5	Landowner M	Plot No.: 12.55
2.10 3 4 3 4		Rock Pack
		Plot Name: O STOIC
	Z	
Page 1 of 2 Page 1 of 2	CLEVELAND ME ROPARNS Plant Community Assessment Program - Background Data Sneet	CLEVELAND ME I KOPAKNO Plant Co
	it. A parament Drawnan Dackground	סיים אום אובידם ספא פוני פוביד לפי

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																					П	П			ഗ	Strata - Cov. entire plot	9276	Cleveland	1	7	Total modules	Project Label: PCAP Project name: U/Se 20/2
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Ace Seedlings	1		icum	5	0	XXV		2/2	1	7	30	6,	g.	bote			*	ailcus	0,10	3		4	\$	2/2	-			ibe an	Br = Browse Level. Use cover classes to			
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	Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: 018e2012	nent Program Species Cover Data Project name: <u>[21/Se2a/]</u>	es Cover Da	ata Sheet 2a	Plot no.: 1255	155		Page 🗡	of 1
	Total modules:		Intensive modules:	 _P	Plot configuration:	ion:		Plot a	Plot area (ha):	
	⊗	7	Estimate for each intensive module:	mod comer mod	cov depth	corner mod corner	depth o	mod corner	mod comer mod	d corner mod
	Cleveland	or = prowse Level. Use cover classes to describe amount of browse per species over entire plot	%open water %unvegetated open water							
			%unveg. ground (bare soil)		<u></u>		-			
	Strata - Cov. entire plot	3	%unv	-			1			
		\neg	A Appropriate #	depth cov de	O depth	COV depth cov	deplh cov	depth cov	depth cov depth	
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		Rumex SD.			2	10000	42			
	2	Tussillago ferfara		7				4	12	
page 1	N	X JB			P	7				
		Astericeae SP,				2)				
	2	Frax seedlings				2		21	1 /	
Gazinge	6	_	64-0191			2 1	196-			
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ar ago	2	11.	25/82X					122		
	2	Populus deltides					1 2		<u>し</u>	}
		villa Vari		3 /						
	2	Impatiens SD.						_	7	

mod # 4 2 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet no woody stems no woody stems Explain subsample (additional room on back): no woody strins no woody stems Project Label: PCAP voucher# browsed sample # stems 0-1.4m or super % sub Project Name: 0180 2012 clumps shrub # size class (cm) woody stems >1.4m ٥<1 1-<2.5 2.5-<5 Plot No .: 1255 5-<10 10 - <15 15 - <20 a 20 - <25 Page:_ 25 - <30 30 - <35 으 (Cleveland Metroparks 35 - <40 ó >40 (record each tree) =

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet ID. 25 23 19 17 ⇉ 20 15 * If Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m2 x 21.5m
Woodpecker and epicormic marked present (1) or absent (0) Project Label: PCAP Voucher# Project Name: 013c2012 (cm) DBH @ Ash *Dead condition # Exit ASH Only Epicormic present INTENSIVE MODULES ONLY
Plot No.: 1285 Date: 7-26-12 Woodpacker holes Baseline Map all ash trees ≥10cm in each module using Tree ID number *** Change intensive module numbers when necessary 2 9 z Page: 1 of 2 œ ω

CLEVEL
CLEVELAND METROPARKS Plan
RKS Plant Comm
unity Assessment
Program - Plant Co
Plant Cover and Earth Surface

Plot No.: 1255

(A) District and Metroparton Page: 1 of 1

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

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
0==		Corner

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

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) Ranks for microhabitat features. Select one or select two and average the score.NOTE: If mod falls on a slope automatically gats 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

· PCAP	US	NOTE: fusso			F	w	٦	_	mod#						
Plant Cover_Eart		ck and hummocks			١	ł	1	1	corner						
th Surface Data shu		are counted in BO			0	0	0	0	(count)	lx1m	depth 3		tussocks	no of	
5aCM PCAP Plant Cover_Earth Surface Data sheet Page 1_ver 3.xls last revised \$729/2012 ceh		NOTE: lussock and hummocks are counied in BOTH nested quadrat corners but counts are aggregated.			0	0	0	0	(count)	3,16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	ng. of	
revised \$129/2012 o	_	ers but counts are a			_	_	-	0	(count)	10x10m	depth 1		depressions	по. пасго.	
1 -	0	ggregaled. {			=	0		6	(count)	10x10m	depth 1		(2-12 cm)	c.w d	c.w.d count
. 0	_	-			-	-	_	6	(count)	10x10m	depth 1		(12-40cm)	c.w.d	for pieces with
0	0	0			0	0	0	o	(count)	10x10m	depth 1		>40 cm	c.w.d	c.w.d count for pieces with minimum 1m length
1 10					Cs	os	2	2	(rank)	10x10m	depth 1		interspers.	microhab.	
. 0				TEN SA	0	0	0	-	(rank)	10x10m	SLOPE			microhab.	

** Terrain Shape Index (site microtopographic shape) Landform Index (position within landscape)

+315 degrees +270 degrees

ΝV

+180 degrees +135 degrees

+90 degree +45 degrees At aspect

angles formed by local slopes. For TSI measure

SE

NE.

plot to the

horizon. TSI is LFI is angle of

+225 degrees

WS

recorders eye to eye of person standing = 10 m

angle from

Se.me

₩

				L
Noduie	z	s	E	W
+	88	90	96	26
2+	16	89	96	96
<i>ا</i> لا	93	96	ماو	96
T T	94	90	90	94

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

L N	3	2+	- +	Noduie
46	93	9	88	Z
90	98	89	90	s
90	کالی	96	96	Ε
94	96	96	مح	w

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: 01 Be 2012

Plot No.: 1255

(P) Gloveland Metroparks

Page: 1 of 1

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

Soil pit module # 3 (one per entire plot)

20 cm 5 cm matrix color | 0 YR 3/2 matrix color 10 YR 4/2 hydro. cond.*** lexture* oxid roots texture* oxid roots edox features** ıydr. cond.*** émottle edox features** mottle ottle color ottle color N/A Z/A 0 I S 🐼 D I S ND 0 C L 0 Z 2 \mathbf{z}

refer to texture classes on reverse side

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

*** Circle one: indundated S=saturated M=moist D=dry

Notes: include evidence of earthworms (worms astings, middens)

shale. No evidence mostly broken up of earthworms Soil Pit 13

> 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

Parent Material: Alluvium	Depth to rest, Layer: 780 1	Landform type Clock Die	Soil Series Source: Ohio Soil Survey	Soil Series/Type Tg, Traga loam	New Soil Survey Informations	2,3,8,9 composited	Soil Collection Module Horizon (A, B, C)
5	780 inches	Plans		loam		>	B, C)

Somewhat poorly dr. Well drained | Moderately well dr Excessively dr □ Somewhat excessively Very poorly dr

Impermeable surface ¥ んしてなった

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

4	w	2	1	mod#
0	O	0	0	1 litter+ organic depth (cm)
0	0	0	0	2 litter depth (cm)
0	0	0	0	water depth (cm)
>30	>30	>30	>30	depth sat soil (cm)

**** <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
meter	teter	∌.	: 1/16-10"	0	43	55	2	0	percent	Surface*	CE & GROU
other exposed lock	Rosd Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm.+ Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	ND COVER
80	0	_	N	0	0	1	4	0	percent		

 COVER BY STRATA	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	%,ex:3, 8, 13
 Strata	Height Range (m)	Total Cover (%)
 Tree	5 - X	0
Shrub	26.5	0
Herb	S'0- X	8/
(Floating)*	-	
(Aquatic)*	•	
nooted and flo	 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

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

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

DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial):																							
FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PLAT Be 1255 DATE: 07 / 2 / 2 0 1 2																							
Site	D: P	CA	PP	be	12	55									DATE	07	124	1	2.	0	12		
Locati							100		Fill	in b	ubb	le(s)	if p	lot(s		ld not be							
O AA	Center	C	N	0	S	O	≡ 0	W	OF	lot 1		01	Plot	2	O F	lot 3							
								s; E = Evergre h strata type fo		ype: E	= Bro	adlea	N = N	Veedle	Leaf. A			vy (40	-75%)	4 = V	ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 🕞	() At	sen	t: 🔘	Buffer	Canop	у Тур	e: 🕝) () Ab	sent	: O	Buffer	Canopy	Тур	a: 💿	(E)	Ab	sent	: 0
Plot 1	Lea	ıf Typ	e: 🕒) (·			Flag	Plot 2	Lea	f Typ	e: (<u>(</u>			Flag	Plot 3	Leaf	Туре	: (8)	(<u>(</u>	\perp		Flag
Big Trees (>	0.3m DBH	6	0	2	0	0		Big Trees (>	0.3m DBH)	0	0	2	0	0		Big Trees	(>0.3m DBH)	0	0	2	3	0	
Small Trees (<	<0.3m DBH	•	0	2	0	0		Small Trees (<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH)	0	0	2	0	0	
Woody Shrubs (0.5m	s, Saplings -5m HIGH)		0	2	0	0		Woody Shrub: (0.5m	s, Saplings -5m HIGH)	0	0	2	0	0			ıbs, Saplings m-5m HIGH)	0	0	2	0	0	-
Woody Shrubs (<0	s, Saplings .5m HIGH)		0	0	<u></u>	0		Woody Shrub: (<0	s, Saplings).5m HIGH)	0	0	2	0	0		Woody Shru (<	bs, Saplings 0.5m HIGH)	0	0	2	0	0	
Herbs, F	orbs and Grasses		0	©	0	0		Herbs, F	orbs and Grasses	0	0	(2)	0	0		Herbs,	Forbs and Grasses	0	0	2	3	0	
Bare	ground	0	0	(3)	0	0		Bare	ground	0	0	2	0	0		Bar	e ground	0	0	0	0	0	
Lit	ter, duff	0	0	0	Ø	0		Lit	tter, duff	0	0	2	0	0		L	itter, duff	0	0	0	0	0	
	Rock	0	0	0		0			Rock	0	0	②	<u> </u>	0			Rock	0	0	0	0	0	
	Water 0 0 0 0 0								Water	0	0	<u>0</u>	0	0		Water 0 1				②	0	0	
	ubmerged egetation		0	(2)	<u>(1)</u>	0			ubmerged egetation	0	0	<u>(1)</u>	<u> </u>	$\tilde{\odot}$		Submerged Vegetation					0	0	
		-	e/Abs	senc		Confi	rm that	a filled data	- 11111		-	esen	e and	d an i	unfilled				y filli	ng thi		ble.	9
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural S														tres	sors								
								Fill bubble			20	1	2	3	Flag	Fill bubble	e If preser	nt - Pi	ot	1	2	3	Flag
	ill bubble if present - Plot 1 2 3 Flag Road - gravel O O O						Ditches, Channelization				0	0	0		Pasture/Ha	IV			0	0	0		
Road - two		113	469	o	0	0	11/2	151 /5 /5 /55 /5 1				0	0	O		Range				ō	O	0	
Road - fou	ır lane	W.	BE	0	0	0		Water Level Control Structure					0	0		Row Crops				0	0	0	
Parking Lo	ot/Paven	nent		Ō	O	0	1718	Excavation, Dredging					0	0		Fallow Field		RESTI	NG	Ö	0	0	4
Golf Cours	se			0	0	0		Fill/Spoil Banks				0	0	0		Fallow Field	d (OLD - GR	ASS,		0	0	0	
Lawn/Parl	(0	0	0		Freshly De		Sedin	ent	0	0	0	- (Nursery		5 11		0	0	0	
Suburban	Resider	ntial		0	0	0		Soil Loss/F		osure		0	0	0		Dairy				0	0	0	
Urban/Mu	Itifamily			0	0	0		Wall/Ripra	Р			0	0	0		Orchard				0	0	0	
Landfill	on tigo			0	0	0		Inlets, Out	The State of the S			0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	R STORM			0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit				0	0	0	
Other:			THE CHARLES IN CO.	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	opme	ent S	tres	sor	3					ŀ	labit	at/V	egetal	ion Stress	sors						
Fill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	lot	1	2	3	Flag	Fill bubb	le if preso	ent - l	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				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cutting	3		0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta	tion	5		0	0	0		Trails				0	0	0	
Mine (underground)						Tree Canop	The second second	огу		0	0	0		Soil Compa				0	0	0			
Military O O O							Shrub Laye		d	Trail	0	0	0	-	Offroad veh		ae		0	0	0		
						(WILD OR DOM Highly Graz	ed Grass	ses		0	0	0		Soil erosion	(FROM WIN		TER,	0	0	0			
						(OVERALL <3" HIGH)					0		OK OVEROSE)				0	0	0				
Other: 0 0 0						Canopy Recently Bu	rned Gra	asslar	nd	0	0	pag.		Other:				_		and the same	V		
Other:	an codes	. K = 1	- Jo mo	0	O	O	11-9	(BLACKENED) uspect measi				O	O	0			raw		1	O	0	0	100
	uffer Sar		-		/27/2	Exp		lags in comm							g U	, suon nora ol		d.	2428	3168	304		

		FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial): DATE: D. 7. 2.6. 2.0.1.2																					
•								RM B-1:	BUFF	ER	SAI	IPL	ΕP	LOT	S (F	ront)		Review	ed by	(initia!)	:	_ (
Site I	D: <u>P</u>	CA	PI	3 <u>e</u>	.12	55	-								DATE	0.7	126	/	2.	0.	1.	2	
Location						1			Fill	in b	ubb	le(s) if p			ıld not be							
OAAC	enter	0	N	0	S	O	E 0	W	_	lot			Plot			Plot 3							10
Fill in hubble	s for all th	nat ann	nlv: Ca	nonv.	Time	D = F	eciduou		Buffer							Absent: No tree	capony						
																oderate(10-40		vy (40-	-75%)	4 = V	ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 🙋	() A	bsen	t: ()	Buffer	Canopy	у Тур	e: 偱) AI	bsent	: 0	Buffer	Canopy	Туре	: 🝘	0	Ab	sent	0
Plot 1	Lea	f Typ	e: 儼	(Flag	Plot 2	Lea	f Typ	e: 🧃	(Flag	Plot 3	Leaf	Туре	: 📵	0			Flag
Big Trees (>	0.3m DBH)	0	0	2	0	6		Big Trees (-0.3m DBH)	0	0	(0	0		Big Trees	(>0.3m DBH)	0	0	0	(a)	0	
mall Trees (<	0.3m DBH)	0	0	2		0		Small Trees (<0.3m DBH)	0	0	(2)	6	0		Small Trees	(<0.3m DBH)	0	0	0		0	
Voody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	0	<u></u>	0		Woody Shrub (0.5n	s, Saplings 1-5m HIGH)	0	0	②	6	0			bs, Saplings m-5m HIGH)	0	0	0	0	0	
Voody Shrubs	<u> </u>	0	0		0	0		Woody Shrub		0	0		0	0		Woody Shru		0	0	0	0	0	
Herbs, F		0	0	6	0	0			Forbs and Grasses	0	0	2	0	<u></u>			Forbs and Grasses	0		0	0	0	
Bare	ground	0	6	②	0	0		Bare	ground	0	<u></u>	3	0	Ō		Bare ground				0	Ō	Ō	
Litt	er, duff	0	0	<u>0</u>	0	6		Li	tter, duff	0	0	<u>0</u>	Ŏ			Litter, duff 0				0	Ö		
	Rock	0		2	0	0			Rock		0	0	ŏ	ō			Rock	0	0	0	ŏ	0	
	Water		0	2	0	ŏ			Water		0	0	0	ŏ			Water		Ö	0	ŏ	ŏ	
	bmerged		0	(2)	0	Ō			ubmerged		0	0	0	$\overline{\odot}$			Submerged		0	<u>0</u>	0	0	
	egetation or Pres	ence	_	\subseteq		_	rm that		egetation	ndica				_	ınfilled	bubble indic	Vegetation	nce h					2
	dential								Hydrolo								Agricultu						
				1	2	3	Flag					1	2	3	Flag	Fill bubble				1	2	3	Flag
Fill bubble		TIUL				riay	i was		esent - Plot					riag				0.				1 lag	
Road - gra Road - two		0	0	0		Ditches, C Dike/Dam/			OOO Pasture/Hay Range				-	0	0	0							
Road - fou				0	0	0		(IMPEDE FLO		w) el Control Structure			0	0		Row Crops				0	0	0	
Parking Lo		ent		0	0	0				, Dredging			0	0		Fallow Field	d (RECENT-F	RESTIN	IG	0	0	0	
Golf Cours			- 5	0	0	0		Fill/Spoil B		.9		0	0	0		Fallow Field	d (OLD - GRA	ASS,		0	0	0	
Lawn/Park				0	0	0	-4	Freshly De	posited S	Sedin	ent	0	0	o		SHRUBS, TRE Nursery	ES)			0	0	0	
Suburban	The state of the state of	tial		0	0	0		Soil Loss/i		sure		0	0	O		Dairy				0	0	0	
Urban/Muli	tifamily	TIVE.		0	0	0		Wall/Ripra	p			0	0	0		Orchard	010112	: 24.5		0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Sour		VATER)	0	0	0		Rural Resid	dential			0	0	0	
Trash				0	•	0		mpervious (SHEETFLOV	surface			0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation				0	0	0	
Other:	1 1001 100-000			0	0	0		Other:				0	0	0		Other:				0	0	0	
Indus	strial D	evelo	opmo	ent S	tres	sors	3					ı	labit	tat/Ve	egeta	tion Stress	ors						- 5) LD
ill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	Plot	1	2	3	Flag	Fill bubb	le if prese	nt - F	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se	A.		0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	ub Cutting			0	0	0	
Mine (surfa	ice)			0	0	0		Tree Planta	tion			0	0	0		Trails				0	0	0	1
Mine (underground)							Tree Canop		огу		0	0	0		Soil Compa		-		0	0	0	•	
Military OOO							(INSECT) Shrub Laye		i		0	0	•		Offroad veh		70		0	0	0		
Other: O O O								ed Grass	es		1000	0	2-0		Soil erosion			TER,	0	0	0		
							Recently Burned Forest				0		0		OR OVERUSE)					Mark of	V - 31		
Other: O O O							Canopy Recently Bu			nd	0	0	0		Other:					0	0		
Other:		V		0	0	0		(BLACKENED)				0	0	0		Other:			!	0	0	0	
						Expl		uspect meas ags in comm							gned by	y each field cr	ew.	2	2428	168	304		
Bu	iffer San	npie f	Plots	05,	/27/2	:U11																	E70

	FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial): DATE: DOOD BO 12.55																				
FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAP Be 1255 DATE: 07 26 2012																					
Site	ID:	PC	AP	В	2	12	55								DATE	07	1261	2.0.	15)	
Locati	on:		0.9	400		2	77	- Marin	Fill	in b	ubb	le(s) if p	lot(s	s) cou	uld not be	sampled and	flag	\rightarrow		
OAA	Cente	r C	N	0	S	•	E O	W	OP	lot 1	1	0	Plot	2	OF	Plot 3					į.
Fill in hubble	on for all	that an	nlu: Co	nonu	Timos	D = F)oold us		Buffer						-	Absent: No tree					
Strata Section	on: Fill in	approl	priate (cover	class I	bubble	e for eac	h strata type fo	or each plo	t, 0 = ,	Abser	it; 1 =	Sparse	e(<10%	6); 2=M	oderate(10-40	%); 3 = Heavy (40-75	i%); 4 = '	Very H	eavy (>75%)
Buffer	Canop	у Тур	ре: (©) (AI	bsen	t: O	Buffer	Canop	у Тур	e: 🕞) (AI	bsent	: 0	Buffer	Canopy Type:) At	sent	. 0
Piot 1	Lea	af Typ	e: 🕒				Flag	Plot 2	Lea	f Typ	e: 🕞) (2	bi	Flag	Plot 3	Leaf Type:)		Flag
Big Trees (>	•0.3m DB⊦	0		②	0	0		Big Trees (>	-0.3m DBH)	0	0	2		0		Big Trees	(>0.3m DBH)	0		0	
Small Trees (<	<0.3m DBI		0	2		0		Small Trees (<0.3m DBH)	0	0	2		0		Small Trees	(<0.3m DBH)	0	0		
Woody Shrubs (0.5m	s, Saplings -5m HIGH			(2)	0	0		Woody Shrub (0.5m	s, Saplings +5m HIGH)	0	0		0	0			rbs, Saplings rm-5m HIGH)	0	0	0	
Woody Shrubs (<0	s, Saplings .5m HIGH			(2)	0	0		Woody Shrub (<0	s, Saplings J.5m HIGH)	0		2	0	0	-		bs, Saplings 0.5m HIGH)	0	0	0	
Herbs, F	orbs and Grasses		0	0	•	0	1	Herbs, F	orbs and Grasses	0			0	0	1	Herbs	Forbs and Grasses	0	0	0	
Bare	ground	0		0	0	0		Bare	ground	0		0	3	0		Bar	e ground ①	0	3	0	
Lit	ter, duff	0		0	0	0		Lit	ter, duff	0	0	2	0			L	itter, duff 💿 🕻	00	0		
	Rock		0	0	0	0			Rock	0	0		0	0			Rock 💿 (0	0	
	Water	0	0	(2)	0	0			Water		0	(2)	0	0			Water (00	0	0	
	ubmerged egetation		0	(2)	(3)	0			ubmerged egetation		0	(1)	0	$\overline{\odot}$			Submerged Vegetation		0	0	
			e/Ab	senc	:e - (Confi	rm that			ndicat	les pi	resen	ce an	d an	unfilled		ates absence by	filling th	is but	ble.	6
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stre														Stres	sors						
Fill bubble if present - Plot 1 2 3 F								Fill bubble	e if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gravel OOOO						Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	v	0	0	0			
Road - gravel OOO						Dike/Dam/		Bed		0	0	0		Range		0	0	0			
Road - fou	ır lane			0	0	O		Water Leve	NOT SHOW I WARRED	Stru	cture		O	Ō		Row Crops		0	0	0	
Parking Lo	ot/Paver	ment	0	0	0	0		Excavation, Dredging					0	0		Fallow'Field	d (RECENT-RESTING	0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B	anks			0	0	0			(OLD - GRASS,	0	0	0	
Lawn/Parl	¢ .			0	0	0	3.1	Freshly De (UNVEGETAT		Sedim	ent	0	0	0	3 1	Nursery			0	0	
Suburban	Reside	ntial		0	0	0		Soil Loss/F	Root Expo	osure	1	0	0	0		Dairy			0	0	
Urban/Mul	ltifamily			0	0	0		Wall/Ripra	p			0	0	0		Orchard			0	0	
Landfill				0	0	0		Inlets, Outi				0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0	:	Point Sour (EFFLUENT C	R STORMV	VATER	2	0	0	0	- 15	Rural Resid	dential	0	0	0	
Trash				0		0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit		0	0	0	. 1
Other:				0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:				0	0	0		Other:	10 m 10 m		_	0	0	0		Other:		10	0	0	
Indu	strial C	evel	opme	ent S	tres	sor	5					9	labit	at/V	egeta	tion Stress	ors	1974		MA	
Fill bubble	if pres	ent -	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	se	0	0	0	
Gas Wells				0	0	0		Forest Selec	ctive Cut			0	0	0	·	Mowing/Shi	rub Cutting	0	0	0	
Mine (surfa	ace)	HI.		0	0	0		Tree Planta	tion			0	0	0		Trails				0	2
Mine (unde	Mine (underground)					Tree Canop (INSECT)	y Herbivo	ory	Hill	0	0	0		Soil Compa (ANIMAL OR H		0	0	0			
Military OOO						Shrub Layer (WILD OR DOM		d		0	•	•			icle damage	0	0	0			
Other: O O O					Highly Graz	ed Grass	es		0	0	0			(FROM WIND, WATE	The second	0	0				
Other: 0 0 0						Recently Bu		est		0	0	0		OR OVERUSE) Other:			0	0			
Other: O O O							Recently Burned Grassland					0	0		Other:	0	0	0			
	ag codes	: K = N	o me			Second 1		(BLACKENED) uspect measu	rement.,	F1,F2	, etc.	O mis	-	0.00	gned b	y each field cr	ew.			The same of	7
	uffer Sa				/27/2	Exp		lags In comm								723 197 1	24	2816	5 J U 4		

FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAP Be 255 DATE: 0.7 2.6 2.0 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag —																					
Site I	D:	PCI	AP	B	e	12	55								DATE	07	12612	0	(2	2	
Locatio	on:				Grand.			11/4	Fill	in b	ubb	le(s)	if p	lot(s							
OAAC	enter	0	N	0	S	OE	0	W	OP				Plot			Plot 3					
Fill in bubble Strata Sectio	s for all th on: Fill in a	at app	oly: Ca oriate d	nopy o	Type:	D = D	eciduou for eacl	s; E = Evergre	Buffer en, Leaf T or each plo	ype: E	B = Bro	adlea	F; N = 1	Needle	e Leaf. A	Absent: No tree oderate(10-40%	e canopy. %); 3 = Heavy (40-75%	; 4 = V	ery He	eavy ((>75%)
Buffer	Canopy	/ Тур	e: 👩	() AI	bsen	t: O	Buffer	Canopy	у Тур	e: 🧑) () At	osent	: O	Buffer	Canopy Type: 🥑	(1)	Ab	sent	: O
Plot 1	Leaf	f Тур	e: 0	(Flag	Plot 2	Lea	f Typ	e: ᇉ) (Flag	Plot 3	Leaf Type: 🔞	•			Flag
Big Trees (>	0.3m DBH)	0	0	2	(0		Big Trees (-0.3m DBH)	0	0	2	(<u>O</u>		Big Trees	(>0.3m DBH)	2	(4)	0	
mall Trees (<	0.3m DBH)	0	0	2	0			Small Trees (<0.3m DBH)	0	0	2	0	(Small Trees	(<0.3m DBH)	0	0		70
Noody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	(3)	0	0		Woody Shrub (0.5m	s, Saplings +5m HIGH)	0	0		0	0			bs, Saplings m-5m HIGH)	2	0	0	
Woody Shrubs (<0.	, Saplings 5m HIGH)	0	②	②	0	0		Woody Shrub (<(s, Saplings).5m HIGH)	0	0	2	0	0		Woody Shrui	bs, Saplings :0.5m HIGH)	0	0	0	
Herbs, F	orbs and Grasses	0	(b)	2	0	0		Herbs, I	Forbs and Grasses	0	0	(0	0		Herbs,	Forbs and Grasses	0		0	
Bare	ground	0	@	2	0	0		Bare	ground	(0	0	0	0		Bar	e ground 🕡 🚳	0	0	0	
Litt	er, duff	0	0	2	0	•		Li	tter, duff	0	0	0	0	(1)		L	0	0	(
	Rock	0	0	0	0	0			Rock	(4)	0	0	0	0		-	Rock ① 📵	0	0	0	
-	Water	@	0	2	0	0			Water	0	0	0	0	0			Water 🙆 🕦	0	0	0	HE.
	bmerged		0	(2)	0	0			ubmerged egetation		0	(2)	0	$\overline{\odot}$			Submerged O	0	0	0	
	<u> </u>			\subseteq	_	$\stackrel{\smile}{}$	rm that				_				unfilled		ates absence by fill		s bub	ble.	(2)
	dential								Hydrolo								Agricultural & Ru				
Fill bubble				1	2	3	Flag		e if present - Pic			1	2	3	Flag				2	3	Flag
And the second			0	0		Ditches, C		/	142	0	0	0		Pasture/Ha		0	0	0			
The state of the s					0	0		Dike/Dam/	Road/RR			0	0	0		Range	,	0	0	0	
Road - fou	r lane			0	0	0		(IMPEDE FLC		l Stru	cture	100	0	O		Row Crops	v Crops			0	
Parking Lo	t/Pavem	ent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Field	(RECENT-RESTING	0	0	0	
Golf Cours	se .			Ō	0	0		Fill/Spoil B	anks			0	0	0			d (OLD - GRASS,	0	0	0	
Lawn/Park		166	19	0	0	0		Freshly De		Sedin	nent	O	0	0		Nursery		0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/		osure		0	0	0		Dairy		0	0	0	
Urban/Mul	tifamily	<u>, H</u>	10	0	0	0	-	Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill	F-7-4			0	0	0		Inlets, Out				0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0	!	Point Sour (EFFLUENT C	OR STORM	VATER	ξ)	0	0	0		Rural Resid	dential	0	0	0	
Trash				0	0	0	1	Impervious (SHEETFLOV		input		0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:				0	0	0		Imigation		0	0	0	
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	egetai	tion Stress	sors				
Fili 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 present - Plot	1	2	3	Flag
Oil Drilling				0	0	0	ļ	Forest Clea	r Cut			0	0	0		Herbicide U	se	0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut		15556	0	0	0		Mowing/Shi	rub Cutting	0	0	0	
Mine (surfa								0	0	0		Trails		0	0	0					
Mine (underground) Tree Cano						The second second	ory	TEXA!	0	0	0		Soil Compa (ANIMAL OR H		0	0	0				
Military Shrub Layer Brows								d		0	0	0			icle damage	0	0	0			
							(WILD OR DO! Highly Graz	ed Grass	ses		0	0	0		Soil erosion	(FROM WIND, WATER,	0	0	0		
	0	0			(OVERALL <3" Recently Bu		est						OR OVERUSE	N							
Other:			0	0	0		Canopy			nd	0	0	0	-			0	0	0		
Other:	her: OOO Recently Burned Grassland OOO Other: OOO Flag codes: K = No measurement made, U = Suspect measurement, F1,F2, etc. = misc. flags assigned by each field crew.																				
	uffer San					тао Ехр 2011	lain all f	lags in comm	ent section	on on	the ba	ck of	this fo	om	.Augu D	y seon neid C	242	8168	3304		

FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial):																						
	FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): DATE: 0 7 1 2 6 1 2 0 1 7																					
Site	D:	2/	1P	B	e	12	255	5							DATE	0.7	126		20), [Z	
Location	on:		80	1					Fill	in b	ubb	le(s)) if p	lot(s		ıld not be						
OAAC	enter	С	N	0	S	O	Ξ 🥝	W	7 7 7 7 7 7 7	olot '			Plot	- 7		Plot 3						
ill in bubble Strata Section	s for all thon; Fill in a	at appropro	ply: Ca priate c	nopy over	Type:	D = C bubble	eciduou for eacl	is; E = Evergre	Buffer een. Leaf T or each plo	Гуре: Е	3 = Bro	oadleat	f; N = I	Needle	e Leaf. A	Absent: No tree oderate(10-40°	e canopy. %); 3 = Heav	y (40-7	'5%); 4	= Very	Heavy	(>75%)
Buffer	Canopy	у Тур	e: 🐠) (E) AI	bsen	t: O	Buffer	Canopy	у Тур	oe: 🕡) (E) AI	bsent	: O	Buffer	Canopy	Type:	((E) /	Abser	ıt: O
Plot 1	Lea	f Typ	e: 🚯) (°			Flag	Plot 2	Lea	ıf Тур	e: 🌀) <u>C</u>	江		Flag	Plot 3	Leaf	Type:	0	Ö		Flag
Big Trees (>	0.3m DBH)	0	0	2	0	0		Big Trees (>0.3m DBH)	0	0	2		0		Big Trees	(>0.3m DBH)	0	① (9 (3) ()
⊓all Trees (<		0	(0	0	0		Small Trees (<0.3m DBH)	0	0	2	0			Small Trees	(<0.3m DBH)	0	O	9	0	,
oody Shrubs) (0.5m-	s, Saplings -5m HIGH)	0	0	2	0	0		Woody Shrub (0.5rr	s, Saplings 1-5m HIGH)		0	(4)	0	0			bs, Saplings m-5m HIGH)	0		0	0	,
	.5m HIGH)	0	0	②	0	0		Woody Shrub (<0	s, Saplings).5m HIGH)		(2)	3	0	0		Woody Shru (<	bs, Saplings :0.5m HIGH)	0		0	0	,
Herbs, F	orbs and Grasses	0	0	2	(a)	0		Herbs, I	Forbs and Grasses		(3)	2	0	0		Herbs,	Forbs and Grasses	0) C	0	0	,
Bare	ground	0	0	(0	0		Bare	ground	(0	0	0	0		Bar	e ground	0	3	0	0	,
Litt	ter, duff	0	0	0	0	0		Li	tter, duff	0	0	0	0	@		L	itter, duff	0	3	0	NO	
	Rock	0	0	②	@	0			Rock	0	0	0	0	0			Rock	0		0	0	,
	Water	(0	0	0	0			Water		0	2	0	0			Water	6	3	_	+ =	_
	ibmerged egetation	0	0	2	0	0			ubmerged /egetation		0	2	0	0			Submerged Vegetation	(3 (0		
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble by filling this bubble by filling this bubble by filling														this b	ubble	. 😉						
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural St														l Stre	SSOI	S						
ill bubble if present - Plot 1 2 3 Fla								Fill bubble	e if prese	ent - í	Plot	1	2	3	Flag	Fill bubble	if present	t - Plo	t 1	2	3	Flag
Road - gravel O O O						Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	у	NO D	() C	0			
Road - gravel O O O Road - two lane O O O						Dike/Dam/ (IMPEDE FLO		≀ Bed		0	0	0		Range	he III		() C	0			
Road - fou	ır lane			0	0	0		Water Lev		l Stru	cture	0	0	0		Row Crops			(ojo	0	
Parking Lo	t/Pavem	ent		0	0	0		Excavation, Dredging					0	0		Fallow Field ROW CROP FIELD	0)	1000	, () C	0	
Golf Cours	se .			0	0	0		Fill/Spoil Banks Freshly Deposited Sediment					0	0		Fallow Field SHRUBS, TRE		SS,	() C	0	d .
awn/Park				0	0	0	7	(UNVEGETAT	ED)			0	0	0		Nursery			(-
Suburban	Residen	tial	E	0	0	0		Soil Loss/F	•	osure		0	0	•		Dairy					-	_
Jrban/Mul	tifamily		<u>, 4</u>	0	0	0		Wall/Ripra				0	0	0		Orchard			-		-	3 -
andfill				0	0	0		Inlets, Out		745		0	0	0		Confined A		ding	_			_
Dumping				0	0	0		(EFFLUENT C	OR STORM	WATER	₹)	0	0	0		Rural Resid	lential	-		OC		-
Frash				0	0	0		(SHEETFLOW		pu		0	0	0		Gravel Pit					- 5	1
Other:		_		0	0	0		Other:				0	0	0		Irrigation	- A		9	-	-	
Other:	.,			0	O	0		Other:				0	0	0		Other:				O C	00	d ministration
	strial De	20)		ent S	tres	SOF			Mark Edit		23.46.49		labit	at/V		tion Stress						
ili bubble		ent - I	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	Plot	1	2	3	Flag	Fill bubb	le if prese	nt - Pi		1 2	19.0	Flag
Dil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se		- 0		0	4
3as Welis				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	ub Cutting		(0	
Vine (surfa	ace)			0	0	0		Tree Planta	11.00			0	0	0		Trails			(0	
Aline (underground)						Tree Canop (INSECT)				0	0	0		Soil Compa (ANIMAL OR H			(0			
Ailitary O O O						Shrub Laye (WILD OR DOM	MESTIC)			0	0	0		Offroad veh			() C	0	The state of the s		
Other: O O O						Highly Graz (OVERALL <3"	HIGH)			0	0	0		Soil erosion (FROM WIND, WATER, OR OVERUSE)			R, C) (0			
Other: O O O						Percetty Purped Forcet				0	0	0		Other:				0 0	0			
Other: O O O								Recently Burned Grassland (BLACKENED)					0	0		Other: O O O						
Fla	g codes:	K = N	lo me	asure	ment		a, U = S	uspect meas							igned b	y each field cı	ew.	24	4281	6830)4	
В	uffer Sam	nple I	Plots	05,	/27/2			lags in comm	ent sectio	on on	tne ba	ICK OT	inis to	erm.				(fall				