			LNH 7/20/12
CLEVELAND MET	ROPARKS Plant Community Asset		
Project Label:	PCAP	Plot No	: 1248 Date Sampled+ 6 17-12 Lead: 45en
	*****		Comment required if item answer is NO
Parking/Access outsi	de of Park Boundaries:	Y (N)	If yes, write details in Comments section below
Field journals comple	eted	Y N	
Site sketch made on 1	:3000 map?	(Y) N	
Check cover page	X-axis Bearing of plot recorded	(a) N	1
	GPS coords. Recorded	(Ŷ) N	
	North direction recorded	N @	
	Photographs taken?	'W N	
Plot No., Date agreen	nent on all pages?	TY N	
Header data complete	ed all pages?	(Y) N	
Cover classes recorde	ed in all Intensive modules	(Y) N	
Browse Level By Spe	ecies	Y N	*
Woody stem quality	control check	Y N	
Invasive plant quality	control check	Q N	
Ash trees mapped		Y N	N/A
Cover by Strata? (cor	nfirm cover type)	Y N	7
Soil samples collecte	d with matching plot #.	N	
Vouchers labeled on	datasheet with initials and number	Y N	NA
Vouchers labeled on	collection bag	Y N	NA
Pink flags removed		₹ N	
Data sheet QA before	leaving site?	Y N Y N	8x-31
Common equipment		YN	
Data sheets scanned?		NG 71231	Enter date to left AND NE
Final data sheets scan	ned?		Enter date to left
Buffer Widths measu	red?	(Y) N	REL 6-29-12
Web Soil Survey		(Y) N	AJY 7-19-2012
Voucher Location	Refrigerator	YN	
# vouchers collected)	Press (#)		Enter number to left
None	Drier	Y N	
More	Identified	Y N	200 AND 1000
	Mounted	Y N	
	Thrown away	Y N	
CDTS naint varifica	tion: Is plot sampleable?		
Yes	198 80		Market Telephone
	Original GRTS point is sampleable	nompleshie (fill in cotagony below)
□ No	Original GRTS point lands in a non-		tili ili category below)
-	☐ Managed mowed area (i.e. golf	•	zht-of-way)
	☐ Paved area (i.e. parkinglot, road)	promo urcu, 17g	
	Unsafe to sample (i.e. steep slope	e)	
	□ Other		
Additional Commen	ts:		

We can see Ox Lane from plot	□ Random □ Stratified Random □ Transect component □ Systematic (grid) □ Capture specific feature □ Other *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	TAXONOMIC STANDARD Authority: G&C Pub Date: 1998 Minimum required fields in Bold and Underlined
	Plot placement: bGRTS - Representative	lichen
Thelypten's novebracens 5 Ansaema	Camera No.: d Photo Nos.: (D-)826	bryo X n/a
	Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)	high modera low not smpl
2	X-axis Bearing of plot: 237	TAXONOMIC ACCURACY
Sauch	(hectares)	Accurate may still provide good
Veg. Chas: Canopy-Fagus grandifolia, Aver	1248A	
7	100%+-	Effort Level: subjective evaluation of
Ptimbe: CRTS	88495	□ Perm. water □ Paved □ Slope □ Safety Sampling Oliality*
Senic overbook	x = 0 $y = 0$ (base of plot $x=0$, $y=0$)	PLOT NOT SAMPLED:
trail	GPS location in plot $x=0$ to 5, $y=-1,0,+1$):	** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.
Location:		
Layout: 2x5	□ Other (specify) □ m □ fi □	J. P. W. C. S. L.
dominants, strata, BROWSE	Coord. Units	an wexty
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 CC	S. Eysenbach Plot leader
Key: O(0,0) point	ot public why?	
!		
#1	□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	Date (mm/dd/yyyy): 7/16/2013
	Check one: Public data Drivate Data	Level 5 (nested corners sampled)
?	Data Confidentiality:	 Level 4 (no nested corners sampled)
plot: #10		Plot No.: 1248
2.10	Local Place Names Butcomilk falls SPAIL Overlook	Plot Name: Beechy Keene
C. No.	angle: Mayfield he	Project Name: OINC2012
	State: OH County: CV Y	Project Label: PCAP
	LOCATION	GENERAL INFORMATION
nd Data Sheet	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	CLEVELAND METROPARKS Plant Co

Total modules: Some large Political modules: Political modules:	LEVELAND ME	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a	ent Program Specie	s Cover Data S		10 15		Page	of
September Sept	Total modules:)0	Intensive modules: 1		onfiguration:	DXS	Plot a	rea (ha): <u>()</u>	
Set HO HO HO HO HO HO HO H	Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot		COV depth	depth cov	cov Corner	cov	cov depth	mod R depth
13 6 Facus of analysis 4 10 10	Т S H (F)(A) Е	- T	Voucher#	cov i depth	depth cov	cov depth	depth cov	COV	depth
1 16 Linders Franzein 1 2 3 2 2 3 2 3 3 3 3	2	Facus		16 4	4 10	4	4	0	
1 Hasnilax rotunditions 2 Hasnilax rotunditions 2 Crestrogus p 4 Crestrogus p Acres saccharum 2 Mass saccharum 2 Mass saccharum 2 Mass saccharum 3 Ariscenic trjohyllum see triphyllum 3 Treungtus factoris manabarcatists 1 Pougatus carthesians 4 Pougatus carthesians 6 Pougatus carthesians 7 Treungtus carthesians 8 Pougatus carthesians 8 Pougatus (ayionn		Lindura		ر د ا		5 4		222	
2 (Trothagus P. 2 (Trothagus P. Alax Saccharum Acus Saccharum 2 Ariscente triphyllum ase triphyllum 3 Trochinis sp. (seellings) 1 Podaphyllum peltetum 3 Arystatis narabericitis 4 Apricagus virgiams 4 Expressions 6 Apricagus virgiams 7 Tellystatis carthusians 8 Apricagus virgiams 8 Apricagus virgiams		Acer so		 وي	}	22		<u>ا</u>	ىو
Crothagus p. Alex Saccharum		Sorblax		2	_				
Aciscenic trophyllum sep triphyllum Aciscenic trophyllum sep triphyllum Treculari sep (septiling) Thelingthis marketists Appropries carthusians Exp. Ecgus virgianns	N	Cratagos So.				21		h i	
Maisseme triphyllum ss. triphyllum Trexinus so (southing) Podeotyllum peltetum Theliptois novaborceusis Dynatus carthusians Expirayon virgionn							4		
Aciscanic triphyllum septiphyllum Traxinis of Coallings) Podophyllum paltotum Thelyptais nasaborocanss Chyptais conthusions Existings virginans Expiscans virginans	٧	Mass sp.							
Frequently of the files	Q	triphyllun	triphyllum						
Redephyllum peltatum Thelipatris narabaracinsis Chypotris carthusians Episcaps virgians R R R	يو	sa (southings)	-					מג	
Theliptor's novaborcenss Chypteris carthusians Episcopy rirgionn R R		llum.							7
Expression in a continuity of the continuity of	Q)	is novaborace	SIS .						
Pisceus Virgiana	یو	eris carthusian							
		PIFCHUS V							<u>ア</u>
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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Label: PCAP

Project Name: O(NC 2012

Plot No .: 1248

Page:__

© Cleveland Metroparks

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Standing dead	Fagus grandifolia	Lindera benzoin	Fagus grandifolia	standing dead	standing dead	Fagus grandifolia	Lindera benzoin	Smiles returdifdia	Lindera benzoin	Standing dead	Fagus grandifolia	Standing dead	Fagus grandifolia	Fagus grandifolia	Smilax rotundifolia	Fagus grandifolia	Standing dead	Smilax rotundifolia	Lindera benzoin	Fagus grandifolia	standing dead	standing dead	Fagus grandifolia	species	
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	• •		:1			*				:	:		**	3		77				×		•	• •	 ζη	
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Project Label: PCAP	CLEVELAND METROPARKS Plant Community
Project Name: 01 NC 2012	Assessment Program Natural Woody Stem Data Sheet
Plot No.: (ata Sheet

Project Name: 01 NC 2012 Plot No.: 1248

Cleveland Metroparks

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														0	8	6	0	9	9	mod #		
														Lindera benzon	Standing dead	10 Fagus grandifolia	10 Acur saccharum	Lindera benzoin	Acer saccharum	species		Explain subsample (additional room on back):
1916	-		-				120000			_									_	n		n bac
																				voucher#		, s
														•		•				browsed	# stems	
															112.2				B	sample	% sub	
														• •				• •		clumps		
																0.0				<u> </u>	size class	
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			-12 44																	10 35 - <40		
			1000																5.15	11 >40 (record each tree)		

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a

Project label: PCAP Project Name: 01NC 2012 Plot No.: 1248

(C) Gleveland Metroparks

Page: 1 of 1

TRAIL INFORMATION:

scord type and cover for each

%Cover

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

Soll pit module # 2 (one per entire plot)

						20 cm							5 cm
	redox features**	texture*	oxid roots	%mottle	mottle color	matrix color 10YR	hydr. cond.***	redox features**	texture*	oxid roots	%mottle	mottle color	matrix color 2,5
)	⊘	p	Z Z	0	NA	R 5/4	I S M D	< 2	_	< E	0	NA	Y 2.5/1

refer to texture classes on reverse side

hydro. cond.***

I S M(D)

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

*** Circle one:
I=indundated S=saturated M=moist D=dry
Notes: include evidence of earthworms (worms, castings, middens)

earmworms no evidence of

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

				7		_		1
DRAMAGES	Parent Material: Till	Depth to rest. Layer 20 to 40 inches to lithic bedow	Landform type: Lake plains	Soil Series Source: Ohio Soil Survey	Soil Series Type: Mithwanga Silt lasym	Wab Soll Spraw Biggrough	2,3,8,9 composited	Soil Collection Module Horizon (A, B, C)
		40 indics	olains	il Survey	laga silt	MI BOOK	<u> </u>	zon (A, B, C)
		to lithic beara	76.15cm		Mise			ļ

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

AJY 7-19-2012

Impermeable surface

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

9	တ	S	7	mod#
3,5	5,5	3.5	23.75	1 litter+ organic depth (cm)
2.5	5,0	8,3	2375	2 litter depth (cm)
0	0	0	0	water depth (cm)
730	730	>30	>30	depth sat soil (cm)

			3	2							
**** <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
	eter	B	1/16-10"	Ø	Ø.	Ø	/00	Ø	percent	Surface*	CE & GROUN
Other	Rosd/Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm.+ Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	D COVER
	Ø	92	Ø	g.	98	98	دن	S	percent		

estimate using midpoints of 5,ex:3, 8, 13	COVER BY STRATA	
	*	

Strata	Height Range (m)	Total Cover (%)
Tree	75	93
Shrub	.5.5	18 23
Herb	1.5	3
(Floating)*		
(Aquatic)*	-	,
y bue petoon .	 rooted and floating or slightly emersed 	sed

204	□ Deer	□ Gravel	□ Bootleg unsanctioned	□ Hiking sanctioned	o Bridle	□ All Purpose
tra						

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

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

* submersed, most plant mass below surface

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: DINC2012

Plot No.: 1248

(Christand Metropertor Page: 1 of 1

STANDING BIOMASS (required for emergent wetlands): collected in 0.1m clip plots (32x32 cm) from comers 1 and 3 in each intensive module. Required for VIBI-E score calculation. C7=check when

collected			
Module #	C7	Corner Corner	Corner
0.5			
			1,

CLASSIFICATION		
(FIT = excellent g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
DEPRESSION	F	Conf=
a IMPOUNDMENT a Beaver a Human	 	Conf=
□ RIVERINE □ Headwater □ Mainstem □ Channel	FILE	Conf=
□ SLOPE (ground water hydrology or on a physical slop)	Fit	Conf-
o FRINGING o Reservoir o Natural Lake	Fit*	Conf
COASTAL (specify subclass)	Fit-	Conf
BOG (strongly, moderately, weekly ombrotrophic)	Fit=	Conf=
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	Ë	
o FOREST a swamp forest a bog forest a forest seep	Fig.	Conf=
CHBIB I shah swamp I tall sh has I tall sh fan		Conl=
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	=	Conf=

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) anks for microhabital features. Select one or select two and average the score.NOTE: If mod fals on a slope automatically gets ranked based on steepness (1-3) to begin + any features present Stope 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

		9	တ	လ	12	med⊭						
		ı	ı	1	١	corner						
		0	0	0	0	(count)	lxim	depth 3		tussocks	no of	
		0	0	0	0	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no of	The second second second
		2	w	12	1	(count)	10x10m	depth I		depressions	по пласто	
		80	6	6	7	(count)	10x10m	depth I		(2-12 cm)	c.w.d	
		-		-	0	(count)	10x10m	depth 1		(12-40cm)	c.w.d	NO.
		0	0		0	(count)	10x10m	depth 1		>40 cm	c.w,d	
		2		12	_	(rank)	10x10m	depth 1		interspers.	microhab	
	100 miles	0	0	0	0	(rank)	10×10m	SLOPE			microhab	The second second

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

+315 degrees NW	+270 degrees W	+225 degrees SW	+180 degrees S	+135 degrees SE	+90 degrees E	+45 degrees NE	At aspect N	LFI* T	[FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]	McNAB INDICES (degrees) + for up - for down
	амау.	es e of person	recorders eye to	TSI measure	angles formed by local slopes. For	horizon TSI is	LFI is angle of	TSI**	T IN FIELD]	n

ı	. 2	Module	CROWN COVER (DENSIONETER). Make 4 readings per module facing N. S. E. W. Place dot count in corresonding space. (4 dots per grid square)
s	1	Z	dule facing N. Sace. (4 dots pe
u	1	s	ETER) Ma S. E. W. Plac r gnd square)
v	0	ল	e dol count
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Locati O AA (-	N	0	c	01	- 4	w	OP) II P Plot			lot 3	Sample	eu ai	iu ii	ay -			
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								s; E = Evergree h strata type for	en. Leaf T	ype: E	= Bn	oadlea	f; N = I	Needle	e Leaf. A			vy (40	-75%)	4 = V	ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 🤡) Ai	bsen	t: ()	Buffer	Canopy	у Тур	e: 🌀) () At	sent	<u> </u>	Buffer	Canopy	Туре	ə: (1	Ab	sent	0
Plot 1	Lea	f Typ	e: 何	0			Flag	Plot 2	Lea	f Тур	e: 🧕) (Flag	Plot 3	Leaf	Туре	e: 🙆	0			Flag
Big Trees (>	0.3m DBH)	0	0	(2)	(2)	0		Big Trees (>0	0.3m DBH)	0	0	(2)	(6)	0		Big Trees	(>0.3m DBH)	0	0	(2)	6	0	
mall Trees (<	<0.3m DBH)	0	0	0	0	0		Small Trees (<	0.3m DBH)	0	(a)	(2)	0	0		Small Trees	(<0.3m DBH)	0	0	6	0	0	
Noody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0	(2)	0	0		Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	0	(a)	0			bs, Saplings m-5m HIGH)		0	(0	0	
Woody Shrubs (<0	s, Saplings .5m HIGH)	0	0	0	0	0		Woody Shrubs (<0.	, Saplings 5m HIGH)	0	@	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0	0	0	0	0	
Herbs, F	orbs and Grasses	0	(2	0	0		Herbs, F	orbs and Grasses	0	@	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0	_
Bare	ground	(0	2	0	0	-		ground	0	(1)	0	0	0		Bar	e ground	0	0	0	<u> </u>	0	
Lit	ter, duff	0	0	2	0	(1)		Litt	er, duff	0	0	0	(2)	0		L	itter, duff	0	0	0	0	@	_
	Rock	®	0	0	0	0	-		Rock	0	0	@	0	0	1		Rock	(0	0	<u> </u>	0	
	Water	(0	0	0	0			Water	@	0	0	0	0	1		Water	(0	0	0	0	
Sı	ubmerged egetation	(0	(2)	0	0			bmerged egetation	0	0	②	0	$\overline{\odot}$	·		Submerged	@	Ō	<u>0</u>	0	0	
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Road - fou	ur lane			0	0	0		Water Leve		Stru	cture	-	O	0		Row Crops	g-ide	-		0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavation	Dredgin	ng		0	0	0		Fallow Field		RESTIN	NG	0	0	0	
Golf Cour	se	liswella wee	0.000	0	0	0		Fill/Spoil Ba	anks			0	0	0		Fallow Field	d (OLD - GR	ASS,	97	0	0	0	
Lawn/Parl	k		O O O Freshly Deposit							Sedim	ent	0	0	0		Nursery				0	0	0	
Suburban	Residen	itial		0	0	0		Soil Loss/R	oot Expo	osure		0	0	0		Dairy				0	0	0	
Urban/Mu	ltifamily			0	0	0		Wall/Riprap				0	0	0		Orchard		J.		0	0	0	
Landfill				0	0	0		Inlets, Outle				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Source (EFFLUENT O	RSTORMV			0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW		iriput		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	opm	ent S	Stres	SSOF	S						Habit	tat/V	egeta	tion Stress	ors						
Fill bubble	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if pres	ent - l	Plot	1	2	3	Flag
Oil Drilling O O O Forest Clear Cut								Cut			0	0	0		Herbicide U	se			0	0	0		
Gas Wells	3			0	0	0		Forest Selec	tive Cut			0	0	0		Mowing/Shi	rub Cutting	g		0	0	0	
Mine (surf	ace)			0	0	0		Tree Plantat			0	0	0		Trails				0	0	0		
Mine (und	erground	nd) O O Tree Canopy Herbiv							ory		0	0	0		Soil Compa (ANIMAL OR H				0	0	0		
Military O O O Shrub Layer Browsed (WILD OR DOMESTIC)								d		4	0	0		Offroad veh	icle dama	ge		0	0	0			
Other:			78	0	0	0		Highly Graze	Į,	0	0	0		Soil erosion		ND, WA	TER,	0	0	0			
Other:				0	0	0		Recently Bu Canopy		est		0	0	0		Other:				0	0	0	
Other:				0	0	0	***************************************	Recently Bu (BLACKENED)	med Gra	isslar	nd	0	0	0		Other:				0	0	0	
-	ag codes	: K = 1	No me		-	mad		uspect measu				= mis		S 255	igned b	y each field c	rew.	No.	2421	3168			
В	uffer Sar	nple	Plots	05	/27/			lags in comm	ent sectio	on on	the b	ack of	this fo	orm								JL.	



•		Į. Vi			ĶŲ.	23	FOI	RM B-1:	BUFF	ER	SAI	MPL	E P	LOT	S (F	ront)	139	Review	ved by	(initial)	:	_	•
Site	D:	CH	9P		VC	1	24	5							DATE	0.7	111	7.1	2	٥.	17	_	
Locati			¥.						Fill	in b	ubb	le(s	if p	lot(s	s) cou	ıld not be	sample	ed a	nd f	ag -	→		1
OAA	Center	С	N	0	S	01	E 0	W		lot		- Armst -	Plot	-		Plot 3							
								s; E = Evergre		уре: Е	= Bn	oadlea	f, N = 1	Veedle	Leaf. A	Absent: No tree		vy (40	-75%)	; 4 = V	'ery H	eavy (>75%)
Buffer	Canop				_	osen	t: ()	Buffer	Canop	/ Тур	e: 🥝) () At	sent	: <u>O</u>	Buffer	Сапору		-=	<u>~</u>	Ab	sent	: 0
Plot 1	Lea	f Typ	e: Q) (_	Flag	Plot 2	Lea	f Typ	e: 🌀) (Flag	Plot 3	Leaf	Туре	≥: @	0			Flag
Big Trees (>	0.3m DBH)	0	0	0	8	0	1	Big Trees (>	0.3m DBH)	0	0	0	(1)	<u>O</u>		Big Trees	(>0.3m DBH)	0	@	0	0	<u> </u>	
Small Trees (<		0	0	0	②	0		Small Trees (0	(4)	0	0	<u>O</u>		Small Trees	·	0	\odot	0	0	<u> </u>	
Woody Shrubs (0.5m-	, Saplings -5m HIGH)	0	0	②	0	0			-5m HIGH)	0	0	2	0			(0.5	ibs, Saplings im-5m HIGH)	0	0	@	0	0	
Woody Shrubs (<0)	s, Saplings .5m HIGH)	0	6	2	0	0	_	Woody Shrub: (<0	s, Saplings .5m HIGH)	0		2	3	<u> </u>			bs, Saplings <0.5m HIGH)	0	(2)	0	0	0	
Herbs, F	orbs and Grasses	0	@	(2)	0	0		Herbs, F	orbs and Grasses	0	0	2	0	0		Herbs	Forbs and Grasses	0	(2	(3)	0	
Bare	ground	®	0	2	0	0		Bare	ground	Ø	0	2	0	0		Bar	e ground	0	(2	0	0	
Lit	ter, duff	9	0	2	0	@		Lit	ter, duff	0	0	2	0	(3)		Ĺ	itter, duff	0	0	2	<u> </u>	@	
	Rock	(3)	0	0	0	0			Rock	0	(4)	0	0	0			Rock	0	(2	0	0	1
,	Water	(4)	0	(2)	0	0			Water	<u></u>	0	0	0	Ō			Water	(0	0	0	0	¹
	ibmerged egetation	a	0	(2)	<u> </u>	0			bmerged egetation	®	0	(2)	0	$\tilde{\odot}$			Submerged Vegetation	<u></u>	0	(2)	0	0	
					e - (Confi	rm that				_		ce and	danı	unfilled	L			by filli			ble.	
	dential		a Torreston				10 - C A	1995	Hydrolo	2000-01							Agricult						
Fill bubble		losses and		1	2	3	Flag	Fill bubble		-	10000000	1	2	3	Flag					1	2	3	Flag
Road - gra	Anna Springer		100	0	0	0	ı iug	Ditches, C			100	0	0	0		Pasture/Ha				0	0	0	
Road - two			-	0	0	0		Dike/Dam/	Road/RF			0	0	0		Range	ıy.			0	0	0	
Road - fou				0	0	0		(IMPEDE FLO	COAL TOTAL	l Stru	cture	-	0	0		Row Crops				0	0	0	
Parking Lo		nent		0	0	0		Excavation				0	0	0		Fallow Fiel	d (RECENT-	RESTI	NG	0	0	0	
Golf Cour				0	0	0		Fill/Spoil B		.5		0	0	0		Fallow Fiel	d (OLD - GR	ASS,		0	0	0	
200					0	0		Freshly De	posited \$	Sedin	nent	0	0	0		SHRUBS, TRE Nursery	ES)			0	0	0	
Lawn/Park O O O Suburban Residential O O O								(UNVEGETAT Soil Loss/F	*****	sure		0	0	0		Dairy				0	0	0	
Urban/Mui	ltifamily			0	0	0		Wall/Ripra	p			0	0	0		Orchard				0	0	0	
Landfill			all all s	0	0	0		inlets, Out				0	0	0		Confined A	nimal Fee	ding		0	0	0	-
Dumping			947	0	0	0		Point Sour		VATER	2)	0	0	0		Rural Resi	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW	surface			0	0	0		Gravel Pit				0	0	0	
Other:		e e de de de	an.(445.0	0	0	0		Other:				0	0	0		Irrigation	dr. by a			0	0	0	
Other:			×	0	0	0		Other:		20000011		0	0	0		Other:				0	0	0	
Indu	strial D	evel	opm	ent S	Stres	sor	S						Habit	at/V	egeta	tion Stress	sors						
Fill bubble	if pres	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if pres	ent -	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0	7	Herbicide U	lse			0	0	0	
Gas Wells OOO								Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	3		0	0	0	
Mine (surf	ace)							Tree Planta	tion	THE STATE OF THE S		0	0	0		Trails				0	0	0	
	Mine (surface) O O O Mine (underground) O O O							Tree Canop	and the second	ory		0	0	0		Soil Compa				0	0	0	
								(INSECT) Shrub Laye		d		Ø	•	8		(ANIMAL OR H	To the same	ne.		0	0	0	*
Military		- 67		0	0	0		(WILD OR DON Highly Graz		ses		-				Soil erosion			TER,			The same of	
Other:				0	0	0		(OVERALL <3" Recently Bu	HIGH)			0	0	0		OR OVERUSE)			0	0	0	
Other:	611			0	0	0		Canopy Recently Bu		ju	nd	0	0	0		Other:				0	0	0	
Other:		16		0	0	0		(BLACKENED)				0	0	0		Other:				0	0	0	jens.
	ag codes: uffer Sar	Total Services			ment /27/2	Exp	lain all f	uspect meas lags in comm							gned b	y each field c	rew.		242	3168	3304		

																	-				
								RM B-1:	BUFF	ER	SAN	/IPL	E P	LOT		· -	Reviewed b			_ (
Site I	D:	d	AP	r	UC	1	248	5									17 2			2	
Location	on:								Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ıld not be	sampled and	flag ·	→		0.00
OAAC	enter	С	N	0	S	@ E	0	W	the state of the state of	lot			Plot		2000	Plot 3			ure.	L	Щ
Fill in bubble	s for all th	nat apr	olv: Ca	nopy '	Tvpe:	D = D	eciduou		Buffer een. Leaf T							Absent: No tree	e canopy.				l
																	%); 3 = Heavy (40-75%	6); 4 = \	/егу Н	eavy (>75%)
Buffer	Canopy	у Тур	e: 🥝) Ai	bsen	t: ()	Buffer	Canopy	у Тур	e: 🙋) () At	sent	: 0	Buffer	Canopy Type: () Ab	sent	: O
Plot 1	Lea	f Typ	e: 🧿) (Flag	Plot 2	Lea	f Typ	e: 復	<u>C</u>			Flag	Plot 3	Leaf Type:	<u> </u>)		Flag
Big Trees (>0	0.3m DBH)	0	0	②	③	0		Big Trees (>0.3m DBH)	0	0	2	0	<u>O</u>		Big Trees	(>0.3m DBH)	(2)	3	•	
mall Trees (<	0.3m DBH)	0	0	2	@	0		Small Trees	<0.3m DBH)	0	0	(0	0		Small Trees	(<0.3m DBH)		3	0	
Noody Shrubs, (0.5m-	, Saplings 5m HIGH)	0	0		0	0		Woody Shrub (0.5n	s, Saplings n-5m HIGH)	0	0		0	0			ibs, Saplings im-5m HIGH)		3	0	
Woody Shrubs (<0.5	, Saplings 5m HIGH)	0	(2	0	0		Woody Shrub (<	s, Saplings 0.5m HIGH)	0	0	2	0	(Woody Shru	bs, Saplings 0.5m HIGH)		<u>a</u>	0	
Herbs, F	orbs and Grasses	0	6	2	0	0		Herbs,	Forbs and Grasses	0	0	(1)	0	0		Herbs,	Forbs and Grasses O	0	0	0	
Bare	ground	0	0	@	0	0		Bare	ground	0	(2	Ø	0		Bar	re ground 💿 🌀	0	0	0	
Litte	er, duff	0	0	2	@	0		Li	tter, duff	0	0	2	0	0		L	itter, duff 💿 🕡	0	(4)	0	
	Rock	0	®	0	0	0			Rock	0	(0	0	0			Rock 🙆 🕦	0	0	0	
	Water	(B)	0	0	0	0			Water	@	0	0	0	0	a		Water 🕝 🕦	0	0	0	
	bmerged egetation	Ø	0	0	0	0			ubmerged /egetation	0	0	0	0	0			Submerged Vegetation	2	0	0	
T00-100-100-100-100-100-100-100-100-100-		sence	e/Ab	senc	e - (Confi	rm that			ndica	tes pr	esen	ce an	d an	unfilled	Ties a succession of	cates absence by fi	lling th	is but	ble.	9
Resid	dential	and	Urba	an Si	tress	sors	(O) (E) (A)		Hydrolo	gy S	tres	sors			VAL I	E SELVE	Agricultural & R	ural S	tres	sors	
ill bubble	if prese	ent - i	Plot	1	2	3	Flag	Fill bubbl	-	100	2-2-17	1	2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gra	vel	Mai	Bhi	0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	y	0	0	0	
Road - two	lane			Ō	O	0		Dike/Dam		Bed		0	0	0		Range		0	0	0	
Road - fou	r lane			0	O	0		Water Lev		Stru	cture	0	0	0		Row Crops		0	0	0	MILE.
Parking Lo	t/Pavem	nent		0	0	0		Excavation	n, Dredgir	ng	13.6	0	0	0		Fallow Field	d (RECENT-RESTING	0	0	0	
Golf Cours	e			0	0	0		Fill/Spoil E	Banks			0	0	0			d (OLD - GRASS,	0	0	0	
Lawn/Park				0	0	0		Freshly De (UNVEGETA		Sedim	nent	0	0	0		Nursery		0	0	0	
Suburban Residential O O O Soil								Soil Loss/	The state of	osure		0	0	0		Dairy		0	0	0	
Urban/Mult	tifamily			0	0	0	-	Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0			nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT (Impervious	OR STORM			0	0	0		Rural Resid	dential	0	0	0	
Trash				0	0	0		(SHEETFLOV		ıı ıput		0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation		0	0	0	-
Other:	TOTAL DESIGNATION AND ADDRESS OF THE PARTY O	V 50		0	0	0		Other:				0	0	0		Other:		0	0	0	Liber
Indus	strial D	evel	opm	ent S	tres	sors	3			Ne:			labit	tat/V	egeta	tion Stress	sors				
ill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if present - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut	ME,L		0	0	0		Herbicide U	lse	0	0	0	
								Forest Sele	ctive Cut			0	0	0		Mowing/Shr	rub Cutting	0	0	0	
								Tree Planta	1000			0	0	0		Trails		0	0	0	3,
Mine (unde	erground	1)		0	0	0		Tree Canor (INSECT)	y Herbivo	огу		0	0	0		Soil Compa (ANIMAL OR H		0	0	0	
Military				0	0	0		Shrub Laye		d		0	@	(3)		Offroad veh	icle damage	0	0	0	
Other:				0	0	0		Highly Graz	ed Grass			0	0	0		Soil erosion OR OVERUSE	(FROM WIND, WATER	0	0	0	
Other:	Č.			0	0	0		Recently B	umed For	est		0	0	0		Other:		0	0	0	
Other:				0	0	0		Recently B		esslar	nd	0	0	0		Other:		0	0	0	
	g codes:	K = N	lo me	asure		made		uspect meas	urement.,			= mis			Igned b	y each field cr	rew. 241	2816			7
Bu	ıffer San	nple l	Plots	05	/27/2		ain all f	lags in comn	nent sectio	on on	the ba	ck of	this fo	m				.010			

	412.00				-																		
•					3-1		FO	RM B-1:	BUFF	ER	SAI	VIPL	EP	LOT	S (F	ront)		Review	ved by	(initial)):	/	•
Site I	D: F	20	AP	1	Sc		124	18							DATE	07	1 16	51	2	0	1.	2	
Location									Fill	in b	ubb	le(s) if p	lot(s	s) cou	uld not be	sample	d a	nd fl	ag -	→		T
OAAC	enter	6	N	0	S	O	≡ 0	W	OP	Plot 1	1	0	Plot	2	OF	Plot 3							3
	C= =01 41	-1 201				2-1			Buffer							the entitle tree							
																Absent: No tree oderate(10-409		vy (40	-75%)	; 4 = V	/ery H	eavy (>75%)
Buffer	Canopy	у Тур	e: @	0) AI	bsen	t: O	Buffer	Canopy	у Тур	e: () Al	bsent	: 0	Buffer	Canopy	Туре	e: ②	(E)) At	osent	: 0
Plot 1	Lea	ıf Typ	e: (•	<u>う</u>		Flag	Plot 2	Lea	f Typ	e: 🌀) ©			Flag	Plot 3	Leaf	Туре	e: ወ) (0			Flag
Big Trees (>	0.3m DBH)	0	0	(2)	(1)	0		Big Trees (>	•0.3m DBH)	0	0	(2)	9	0		Big Trees	(>0.3m DBH)	0	0	(2)	0	0	
mall Trees (<	0.3m DBH)	0	0	0	(3)	0		Small Trees (•	<0.3m DBH)	0	0	(3)	0	0		Small Trees	(<0.3m DBH)	0	0	(2)	®	0	
Noody Shrubs (0.5m-	, Saplings 5m HIGH)		0	0	0	0		Woody Shrubs (0.5m	s, Saplings n-5m HIGH)	0	0	@	0	<u>O</u> 1			ubs, Saplings 5m-5m HIGH)	0	0	2	(2)	0	
Woody Shrubs (<0.	, Saplings 5m HIGH)		0	1	0	0		Woody Shrubs (<0	s, Saplings).5m HIGH)	0	0	7	0	0			ıbs, Saplings <0.5m HIGH)	0	②	2	0	0	
	orbs and Grasses		(4)	0	0	0		Herbs, F	Forbs and Grasses	0	@	0	0	0		Herbs,	Forbs and Grasses	0	(1)	0	<u></u>	0	
Bare	ground	0	(1)	(3)	0	0		Bare	ground	0	Ø	0	0	0		Bar	re ground	0	(2)	2	3	0	
Litt	ter, duff	0	0	0	0	0		Lit	tter, duff	0	0	0	0	②		L	itter, duff	0	0	0	<u></u>	@	
<u>ua</u>	Rock	(3)	0	0	0	0			Rock	(0	0	0	0			Rock	@	0	0	0	0	
	Water	(1)	0	0	0	0			Water	©	0	0	0	0			Water	③	0	0	0	0	
	bmerged egetation		0	2	0	0			ubmerged egetation	@	0	0	0	0			Submerged Vegetation	@	0	0	0	0	
			e/Ab	senc	:e - (Confi	rm that			_	tes pi	resen	ce an	d an ı	unfilled	bubble indic		nce t	by filli	ng thi	s but	ble.	②
Resi	dential	and	Urba	an Sí	tres	sors			Hydrolo	gy S	tres	sors					Agricultu	ıral 8	& Ru	ral S	itres	sors	
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if presen	ıt - Pl	lot	1	2	3	Flag
Road - gra	vel		7,18	0	0	0		Ditches, Cl	hanneliza	ation	22-31/10/8	0	0	0		Pasture/Ha	зу			0	0	0	
Road - two	lane			0	0	0	2	Dike/Dam/I		Bed	1-2	0	0	0		Range				0	0	0	
Road - fou	ır lane			0	0	0		Water Leve		l Stru	cture	0	0	0		Row Crops				0	0	0	
Parking Lo	t/Pavem	nent		0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Field ROW CROP FIELD	.D)	E.A. M	NG	0	0	0	
Golf Cours	e	44		0	0	0		Fill/Spoil B				0	0	0	,	Fallow Field SHRUBS, TRE	and the same of the same of	ASS,		0	0	0	
Lawn/Park O O O Freshly Der (UNVEGETATE Suburban Residential O O Soil Loss/R							ED)			0	0	0		Nursery				0	0	0			
		itial		0	0	0				osure		0	0	0		Dairy	faither.			0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Riprag	1/4		-	0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outl				0	0	0		Confined A	awaran INVO	ding	البايتا	0	0	0	-
Dumping	1110			0	0	0		(EFFLUENT O	OR STORMY			0	0	0		Rural Resid	Jenuai			0	0	0	
Othor				0	0	0		(SHEETFLOW				0	0	0		Irrigation			TAILS .	0	0	0	
Other:			emini Mool	0	0	0		Other:				0	0	0		Other:				0	0	0	
Other:	1 1-1 D					or the same		Outer.					and the same of	100						U		0	
	strial Do									LATE !				1		tion Stress							Towns I
Fill bubble		ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	olot	1	2	3	Flag	Fill bubb	le if prese	ent - I	Plot	1	2		Flag
Oil Drilling	o o o o o o o o o o o o o o o o o o o							r Cut			0	0	0		Herbicide U	ise			0	0	0		
Gas Wells				0	0	0		Forest Selec	ctive Cut			0	0	0		Mowing/Shr	rub Cutting]		0	0	0	1
Mine (surfa	ace)		454	0	0	0		Tree Plantat	State of the light of			0	0	0		Trails Soil Compa	nalam	-		0	0	0	<u></u>
Mine (unde	erground	1)		0	0	0		Tree Canop (INSECT)	- Military and a			0	0	0		(ANIMAL OR H				0	0	0	
Military O O O Shrub Layer E (WILD OR DOME:								MESTIC)		m liby	0	0	0		Offroad veh				0	0	0		
Other:				0	0	0		Highly Graze	HIGH)			0	0	0		Soil erosion OR OVERUSE)		iD, WA	TER,	0	0	0	
Other:				0	0	0		Recently Bu Canopy				0	0	0		Other:				0	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)	irned Gra	ısslar	nd	0	0	0		Other:				0	0	0	
● Fla	g codes:	: K = N	lo me	asure	ment			uspect measu lags in comm							gned b	y each field cr	rew.		2428	8168	3304	1	
Bı	uffer San	nple f	Plots	05	/27/2			ags in comin	ent secuo	AT OIL	uie be	ick Oi	uns re	,,,,,				M-					

																						_	
FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): DATE: 6.7.1.1.2.0.1.2.0.1.2.1.2.1.2.1.2.1.2.1.2.1																							
Site ID: DATE: D7 1 16 1 Location: Fill in bubble(s) if plot(s) could not be sampled an																	_						
Location:												1950					sample	ed ar	nd fl	ag -	→		
AA Center O N O S O E O W O Plot 1 O Plot 2 O Plot 3 Buffer Natural Cover Strata																							
Fill in bubbles for all that apply: Canopy Type: D = Deciduous; E = Evergreen. Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy. Strata Section: Fill in appropriate cover class bubble for each strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%)															>75%)								
Buffer Canopy Type: (a) (a) Absent: (t: O	Buffer Canopy Type: ①) (Absent:			Buffer	: 0	E	Ab	sent:	0				
Plot 1 Leaf Type: @) () F			Flag	Plot 2	Leaf Type: 🕒) (0		Flag	Plot 3 Leaf Type:			: 0	0			Flag	
Big Trees (>	0.3m DBH)	0	0	®	0	0		Big Trees (>0).3m DBH)	0	0	2	0	0		Big Trees	(>0.3m DBH)	0	0	<u> </u>	0	<u> </u>	
Small Trees (<0.3m DBH)			3	0	(Small Trees (<	0.3m DBH)			0	0	0		Small Trees (<0.3m DBH)		0	<u> </u>	0	<u> </u>			
Woody Shrubs, Saplings (0.5m-5m HIGH)			①	0	0		Woody Shrubs, Sapli (0.5m-5m HI		0	0	2	0	0		Woody Shrubs, Saplings (0.5m-5m HIGH)			0	<u> </u>	0	0		
Woody Shrubs, Saplings (<0.5m HIGH)			2	3	0		Woody Shrubs (<0.	, Saplings 5m HIGH)	0	0	2	0	0		Woody Shrubs, Saplings (<0.5m HIGH)				2	<u> </u>	0		
Herbs, Forbs and Grasses 0		3	<u></u>	0		Herbs, Forbs and Grasses		0	2	0	<u>O</u>		Herbs, Forbs and Grasses O				0	0	<u> </u>				
Bare	Bare ground 💿 🔕		0	3	0		Bare ground (0	0	2	0	0		Bare ground ① ①			0	<u> </u>	0	<u> </u>		
Litt	Litter, duff 0 0		3	<u>3</u>			Litter, duff		0	0	0	0	<u> </u>		` L	itter, duff	0	0	<u> </u>	0	0		
	Rock	0	0	0	0	0			Rock	0	0	2	0	0			Rock	0	0	2	0	0	
	Water	(9)	0	0	0	0			Water	0	0	0	0	0			Water	0	0	①	0	0	
	ibmerged egetation	②	0	3	0	0			bmerged egetation	0	0	3	0	0			Submerged Vegetation	0	0	2	0	0	
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an													d an ı	unfilled	bubble indi	cates abse	ence b	y fillir	ng thi	s bub	ble. (9	
Resi	ŀ	Hydrology Stressors						Agricultural & Rural Stressors															
Fill bubble if present - Plot			1	2	3	Flag	Fill bubble if present - Plo			Plot	1	2	3	Flag	Fill bubble	Fill bubble if present - Plot				2	3	Flag	
Road - gravel			0	0	0		Ditches, Channelization				0	0	0		Pasture/Ha	ıre/Hay			0	0	0		
Road - two lane			0	0	0		Dike/Dam/Road/RR Bed (IMPEDE FLOW)			0	0	0		Range				0	0	0			
Road - four lane			0	0	0		Water Level Control Structur			cture	0	0	0		Row Crops	Control Contro			0	0	0		
Parking Lot/Pavement			0	0	0		Excavation, Dredging			0	0	0		ROW CROP FIEL	Fallow Field (RECENT-RESTING ROW CROP FIELD)				0	0			
Golf Course			0	0	0		Fill/Spoil Banks			0	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)				0	0	0			
Lawn/Park			0	0	0		Freshly Deposited Sediment (UNVEGETATED)			0	0	0		Nursery				0	0	0			
Suburban Residential			0	0	0		Soil Loss/Root Exposure			0	0	0		Dairy				0	0	0			
Urban/Multifamily			0	0	0		Wall/Riprap			0	0	0		Orchard						0			
Landfill			0	0	0		Inlets, Outlets Point Source/Pipe			0	0	0		Control of the Contro	Confined Animal Feeding Rural Residential				0	0			
Dumping			0	0	0	į	(EFFLUENT OR STORMWATER) Impervious surface input			0	0	0		Gravel Pit			-	0	0	9			
Trash			0	0	0		(SHEETFLOW	(SHEETFLOW) Other:		0	0	0						0	0	0			
Other:			0	0	0						0	0	0		Irrigation Other:				0	0	0		
Other:	Other: OOOO																						
Fill bubble if present - Plot 1 2						3	Flag	Fill bubble	if present - Plot			1	2	3 Flag		Fill bubble if present - Plot			Plot	1	2	3	Flag
Oil Drilling		0	0	0		Forest Clear Cut			0	0	0		Herbicide L	rbicide Use			0	0	0				
Gas Wells		0	0	0		Forest Selective Cut			0	0	0			ring/Shrub Cutting			0	0	0				
Mine (surface)			0	0	0		Tree Plantation		0	0	0		Trails				0	0	0				
Mine (underground)			0	0	0		Tree Canopy Herbivory		0	0	0		Soil Compa		1993		0	0	0				
Military			0	0	0		(INSECT) Shrub Layer Browsed			0	0	0		(ANIMAL OR HUMAN) Offroad vehicle damage				0	0	0			
			0	0	0		(WILD OR DOMESTIC) Highly Grazed Grasses		0	0	0		Soil erosion (FROM WIND, WATER,			TER,	0	0	0				
Other:			1		1000000		(OVERALL <3" HIGH) Recently Burned Forest			0	0	0		OR OVERUSE) Other:				0	0	0	···		
Other:			0	0	0		Canopy Recently Burned Grassland				5	0		Other:				0	0	0			
Other: O (O	mad	e. II = 9	(BLACKENED)							y anch field orang					100		100		
	uffer Sar				/27/:	Exp	lain all f	lags in comm	ent section	on on	the b	ack of	this fo	orm					2428	3168	304		