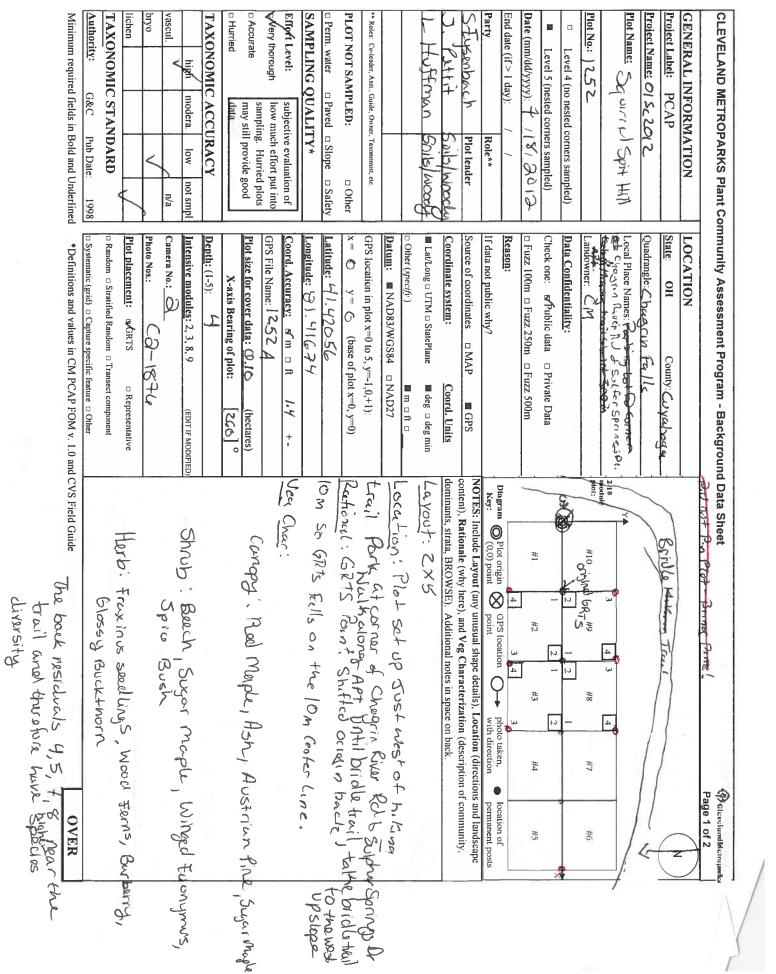
CLEVELAND I	1ETROPARKS Plant Community Assessmen	nt Program: Quality Control Form	© Gleveland Met	roparks
Project Label:	PCAP PCAP	Plot No: 252 Date Sampled:	7-18-20 2 cad:_	Eysen bach
		-		

			Comment required if item answer is NO
Parking/Access outside	de of Park Boundaries:	Y 🔕	If yes, write details in Comments section below
Field journals comple	ted	N N	
Site sketch made on 1	:3000 map?	У И	
Check cover page	X-axis Bearing of plot recorded	N (Y)	
	GPS coords. Recorded	Cy N	
	North direction recorded	(3) N	
	Photographs taken?	(V) N	
Plot No., Date agreen	nent on all pages?	EY) N	
Header data complete	d all pages?	N	
Cover classes recorde	d in all Intensive modules	N (F)	
Browse Level By Spe	cies	N (S)	
Woody stem quality c	ontrol check	Ø N	
Invasive plant quality	control check	EY N	
Ash trees mapped		Ø N	
Cover by Strata? (con	firm cover type)	(Y) N	
Soil samples collected	with matching plot #.	(Y) N	
Vouchers labeled on c	latasheet with initials and number	YN	
Vouchers labeled on c	ollection bag	(Y) N	
Pink flags removed		O N	
Data sheet QA before	leaving site?	(Y) N	
Common equipment r	eturned to tub.	Y N	
Data sheets scanned?		7/25/12	Enter date to left N 2
Final data sheets scan	ned?		Enter date to left
Buffer Widths measur	ed?	(Y) N	KEL 6-29-12
Web Soil Survey		(Y) N	ATY 7-19-2012
Voucher Location	Refrigerator	Y N	
(# vouchers collected)	Press (#)		Enter number to left
000 -	Drier	Y N	
SR10,553	Identified	₩ N	
SNR	Mounted	Y N	
_	Thrown away	Y N	

TS point verifi	cation: Is plot sampleable?
□ Yes	Original GRTS point is sampleable
□ No	Original GRTS point lands in a non-sampleable area (fill in category below)
	□ Point falls in a water (i e. river, lake)
	☐ Managed mowed area (i.e. golf course, picnic area, right-of-way)
	□ Paved area (i.e. parkinglot, road)
	☐ Unsafe to sample (i.e. steep slope)
	□ Other

Additional Comments:
Park at Parking lot at corner of Eunasia River Rd & Sulfer Spring Dr. take APT to first thlung trail to recent. Plat is about 100 mm Just off of Hikmy trail.



Rocks . Dead prodopingum ned 8, Alliana

دو	22	න 	2	2	4	52	H	-		الم	<i>ا</i> لا	(Ji	5 2	- I	ر الم	(x)	ω	gu Qu	છ	322	ني	9	0,	(W - &U	T S H (F)(A) Br	Strata - Cov. entire plot		Cieveland		ⓒ	Total modules:	CLEVELAND M Project Label:
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	CLEVELAND ME	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data	nent Program Speci	ies Cover Data	ata Sheet 2a	ia DITO	770		Page 2	2 of S	
	Total modules:	0.7	Intensive modules:	4	Plot configuration:	ation: 2XS	N	Plot area	Plot area (ha): <u> </u>		
	②	Dr = Browse Level Line cover classes to	Estimate for each intensive module:	mod corner mod	mod corner mod depth cov depth	n cov depth cov	mod comer	mod comer mod	corner mod c	cov depth	COV
	Cleveland Metroparks	describe amount of browse per species over entire plot	%open water %unvegetated open water	7 7							
	Strata - Cov. entire plot	Q .	%unveg. ground (bare soil) %unveg. litter (bare litter)	1 1							
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	2	Scutellaria laborationa	\ \$0x 541		in the second second					D	Ci
		araxiom off								7	-

Natural Resource Management FORM NR/2010-02a

Wich hairy CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Cleveland Metroparks Project Label: Total modules: S H (F)(A) Br ಖ 80 b Q) 2 e נא e**Ó** Johnson inportions spa Sussefruss totentilla simplex Toritis sp Pohjstitchum acrosicheide Shume strakes Pilos porule Prunella Vulgaris CONCORC Exactithes hierital -igustrum bronica Hackalia describe amount of browse per species over Javim Sta Cernactor Se Monum pholicamara arex swarm tesperis highronglic Rubus so-alle apaniensis micora diaca 20151a Br = Browse Level. Use cover classes to oa trivieli stur later itlorous Species entire plot Victinica 0 Magel albidum ottinale 15 and pericaric 753 Intensive modules: 4 %unveg. ground (bare soil) %unvegetated open water intensive module: Estimate for each %unveg. litter (bare litter) SA 550 SKE JS 2 Project name: 0/SC2012 Voucher # %open water depth comer cov | depth アープ 600 depth mod Plot configuration: 2XS 8 COV depth Plot no.: 1252 CDV 8 depth depth mod comer CDV Ş depth depth Ş mod CA mod cov | depth cov | depth Plot area (ha): COV COV Page S of 3 corner, mod cov | depth cov | depth comer 90 COV depth T depth mod 10 70 σ 000

2aCM PCAP Species Cover Data sheet Page 1 of x_ver 3.xls last revised 5/29/2012 ceh

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Natural Resource Management FORM NR/2010-02a

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	CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Name: <u>0 5 20</u> (2 Plot No.:_	nt c	PCAP	ty Assess	ment Pr Proje	nt Program N Project Name:	Natural 61	tural Woody Ster	Stem Da	Plot No.:	1252	6	Page:	_	o <u></u>	School	Science and Metroparks
		Explain subsample (additional room on back):	on ba	ck):						-								
									size class (cm) woody stems >1.4m	dy stems >	1.4m	O1	6	$\overline{}$	Do	9		1
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_	2	Prunus serotina																2.59
<	2	Acer rubrum							·			:					•	53.8
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<u>~</u>	2	Crataegus sp.							• •									
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- 4	Ŋ	Acer saccharum								•		-174						
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_	W	Acer rubrum															٠	45.7,41.5
_	w	Carva cordiformis							•									
_	W	Standing dead					•••						•					

Euronymus alata

sessment Program Natural Woody Stem Data Shee

Project Name: 015c2012

Plot No.: 1252

Page: 2

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© Cleveland Metroparks

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Rhamnus frangula		Celastrus orbiculatus		Carpinus caroliniana	Lindera benzoin	Berberis Humbergii	Euronymus alata	Acer Saccharum	Standing dead	Pinus higra	Crataegus sp.	Fagus grandifolia	Acer rubrum	Euronymus obovatus	Rhamnus frangula	Euonymus alata		Crataegus sp.	Fraxinus sp.	Fagus grandifolia	Acer saccharum	Acer rubrum	Lindera benzoin	species	Explain subsample (additional room of reds).
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												43.0			1.04	11 >40 (record each tree			S Sieweland Metroparks	

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet 20 25 23 22 2 17 15 9 Fraxinus sp. Project Label: PCAP Project Name: 015C2012 39.1 BH (8) ∓ 1 Ash condition *Dead # Exit Epicormic holes present 0 INTENSIVE MODULES ONLY Plot No .: 1252 0 Woodpecker holes 0 Date: 18 JULY 2012 Baseline Map all ash trees ≥10cm in each module using Tree ID number *** Change intensive module numbers when necessary TREES > 10CM ONLY 2 Z Page: 1 of 2 8

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

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

Plot No.: 1252

Pateveland 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 6 cm matrix color 10YR 4/3 texture* matrix color 2.54 4/2 redox features** oxid roots redox features** exture* ydr. cond.*** oxid roots emottle mottle ottle color ottle color N/N Z > N S I 0 0 0 0

refer to texture classes on reverse side

hydro. cond.***

ıs м Ø

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

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

in a soil care Sample

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 1/C/K'S Soil Series/Type: Fitchville silt loaum Soil Series Source: Ohio Soil Survey Soil Collection Moduld Horizon (A, B, C) 2,3,8,9 composited undform type Gracial lakes, Knows on there

□ Impermeable surface Somewhat poorly dr. Well drained Excessively dr. Parent Material Lacustrine deposits □ Somewhat excessively Moderately well dr. very poorly dr

Propert ACH

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

9	8	04	2	пюф#		
2,5	3.0	1.7	2.5	(cm)	organic depth	1 litter+
2.5	3.0	1.1	2.5	depth (cm)	2 litter	
0	0	0	0	(cm)	water depth	
>30	730	730	730	soil (cm)	depth sat	

				2							
**** <5 cm in diameter	***>5 cm in diameter	**Boulder => 10 in	* Gravel-Cobble = 1/16-10"	a Cibedrock	Boulder**	Gravel-Cobble*	Mineral Soil	Histosol	(Num = 100%)	Underlying Earth Surface*	EARTH SURFACE & GROUND COVER
meter	eter	5	1/16-10"	Ø	_	Ø	90	Q	percent	Surface*	CE & GROUP
Other	Road Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm + Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	ND COVER
	Ø	ع	0	I	Q	20	N N	10	percent		

20	

estimate using midpoints of 5,ex:3, 8, 13

COVER BY STRATA

%

Strata	Height Range (m)	Total Cover (%)
Tree	25	88
Shrub	15-5	38
Herb	5,0000	18
 (Floating)*		
(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	ach
Туре	%Cover
□ All Purpose	
n Bridle	
□ Hiking sanctioned	
□ Bootleg unsanctioned	
□ Gravel	
□ Deer	
Alm La di	

No trails

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

DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

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

Project Label: PCAP Project Name: 0/SC 2.012

Plot No.:

1252

(A) discretism d Metropantos Page: 1 of 1

in 0 1m clip plots (32x32 cm) from corners 1 and 3 in each intensive STANDING BIONIASS (required for emergent wetlands): collected collected module. Required for VIBI-E score calculation. C?=check when

			/lodule #
			C?
		-	Corner Corner
1			Comer

IT = excellent g Fit and Confidence

Hydrogeomorphic class (WETLANDS ONLY):

DEPRESSION

IMPOUNDMENT Beaver BHuman File =

> Conf Conf=

o FRINGING o Reservoir o Natural Lake SLOPE (ground water hydrology or on a physical slop)

D COASTAL (specify subclass)

□ EMERGENT □ marsh □ wet meadow □ open bog □ FOREST □ swamp forest □ bog forest □ forest seep

CLASSIFICATION

n RIVERINE in Headwater in Mainstein in Channel Fit Conf=

F Fire Conf= Conf=__

7 퍔 Conf= Conf=

Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):

SHRUB a shrub swamp a tall sh. bog a tall sh. fen FIT

Fit= Fir Conf= Conf= Conf=

** Terrain Shape Index (site microtopographic shape)

Landform Index (position within landscape)

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) ints for microhabitat features. Select one or select two and average the score, NOTE: If mod falls on a slope automatically gets ranked based on steepness (1-3) to begin + any features present Slope 2 = falls on slope ~20 " Slope 3 = maximum steepness that can be safely sampled ~45"

- feature is absent or functionally absent from the wetland
- feature is present in the 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	00	υs	2	mod#						
		ı	1	3	1	corner						
		ø	0	0.	6	(count)	mlxl	depth 3		tussocks	no. of	
		0	0	0	0	(count)	3 16x3 16m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
		2		-	_	(count)	10x10m	depth 1		depressions	по тасто	
		13	12	19	الو	(count)	10x10m	depth 1		(2-12 cm)	c.w.d	c.w.u cou
		0	0	W	دى	(count)	10x10m	depth 1		(12-40cm)	c w d	K IOI DISCOS WISH
		0	0	0	0	(count)	10x10m	depth 1		>40 cm	c,w.d	c.w.d court of pieces with Illimited Illine length
		-	1	2	2	(rank)	10x10m	depth 1		interspers.	microhab	
		0	0	O	0	(rank)	10x10m	SLOPE			microhab.	

McNAB INDICES (degrees) + for up - for down

[FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]

+270 degrees +180 degrees +315 degrees +135 degrees +45 degrees +225 degrees +90 degrees At aspect Z. WS SE NE. z € S local slopes For TSI measure LFI is angle of plot to the Seme eve of person angle from angles formed by horizon TSI is standing - 10 m recorders eye to

readings per module facing N, S, E, W. Place dot count n corresonding space. (4 dots per gnd square) CROWN COVER (DENSIONIETER): Make 4

y	Nodule
760	Module N S
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•			17-		2.5		FOI	RM B-1:	BUFF	ER	SAI	MPL	E P			Opening the same of		Reviewe					•
Site I	ID: F	or CF	4P	S	೦		125	2							DATE	: 07	1 18	_/_	2.	0	1 2	2.	
Location			9				17.		Fill	in b	ubb	le(s	if p			ıld not be							T
OAAC	Center		N	0	S	01	€ 0	W	OF	Plot	1	0	Plot	2	OF	Plot 3				17			
								s; E = Evergre		ype: E	3 = Bn	oadlea	f; N = I	Needle	e Leaf. A	Absent: No tree oderate(10-40		vy (40-	75%);	4 = V	ery H	eavy (>75%)
Buffer	Canop	у Тур	e: @) () AI	bsen	t: O	Buffer	Canop	у Тур	e: () () At	sent	: O	Buffer	:	(E)	Ab	sent	: ()		
Plot 1	Lea	f Typ	e: (9 (5		Flag	Plot 2	Lea	f Typ	e: (Flag	Plot 3	Leaf	Туре	(<u>0</u>	T		Flag
Big Trees (>	0.3m DBH)	0	0	0	0	0	2 5	Big Trees (>	0.3m DBH)	0	0	1		0		Big Trees	(>0,3m DBH)	0	0	0	0	0	
Small Trees (<	<0.3m DBH)	0	0	0	•	0		Small Trees (<0.3m DBH	0	0	0	1	0		Small Trees	(<0.3m DBH)	0	0	3	0	0	
Woody Shrubs	s, Saplings -5m HIGH)		0	•	3	0		Woody Shrubs	s, Saplings -5m HIGH)		9	0	0	0			ubs, Saplings im-5m HIGH)	0	8	0	0	0	
Woody Shrubs		0	•	0	3	0		Woody Shrubs		0	9	0	0	0		Woody Shru		0	-	9	0	0	
	orbs and Grasses	_	0	0	(1)	0			orbs and Grasses	-	0		0	0			Forbs and Grasses	0	_	0	0	1	
Bare	ground	0	0	0	3	0		Bare	ground	0	0	0	0	0		Bar	e ground	0		0	0	0	
Litt	ter, duff	0	0	0	0	0		Lit	ter, duff	0	0	0	0			L	itter, duff	0		o l	0	0	
Rock ① 🚱 ① ① ①									Rock	0		0	0	0			Rock	0	9	0	0	0	
	Water	0	0	0	0	0			Water	0	0	0	0	0			Water	0	_	0	0	0	
	ubmerged egetation		0	0	0	0			bmerged egetation	•	0	(2)	0	0			Submerged Vegetation	1	0	0	0	0	
		-	e/Ab	send	e - (Confi	rm that			ndica	tes p	resen	ce an	d an	unfilled	bubble indic	_	nce by	y fillin	g thi:	s bub	ble.	0
Resi	dential	and	Urba	an S	tress	sors		Hydrology Stressors							Agricultu	ıral &	Rur	al S	tres	sors			
Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if preser	it - Plo	ot	1	2	3	Flag
Road - gra	avel		N	0	0	0		Ditches, Cl	hanneliza	ation		0	0	0		Pasture/Ha	ıy			0	0	0	
Road - two	o lane			0	0	0		Dike/Dam/		R Bed		0	0	0		Range		(4) (5)		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	ot/Pavem	nent		0	0	0		Excavation	, Dredgii	ng		0	0	0		Fallow Fiel	D)		G	0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B				0	0	0		Fallow Fiel SHRUBS, TRE		ASS,		0	0	0	
Lawn/Park	(0	0	0		Freshly De (UNVEGETAT	ED)			0	0	0		Nursery			-	0	0	0	
Suburban		itial		0	0	0		Soil Loss/F	Root Exp	osure		0	•	0		Dairy	*		-	0	0	0	
Urban/Mul	ltifamily			0	0	0		Wall/Ripra	p			0	0	0		Orchard		1122	-	0	0	0	
Landfill				0	0	0		Inlets, Outl				0	0	0		Confined A		ding	_	0	0	0	
Dumping				0	0	0		(EFFLUENT O	RSTORM			0	0	0		Rural Resid	dential			9	0	0	
Trash				0	0	0		(SHEETFLOW		при		0	0	0		Gravel Pit				의	0	0	
Other:				0	0	0		Other:			_	0	0	0		Irrigation Other:		7			9	0	
Other:				0	0	0		Other:		0 8		0	0	0		E SHOW YO	14.19 K.O	100		0	0	0	
	strial D			ent S												tion Stress							
FIII bubble		ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - P		1	2	TO LOT	Flag
Oil Drilling		- 1		0	0	0		Forest Clea	r Cut		1100	0	0	0		Herbicide U	se			0	0	0	
Gas Wells OOO							Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting]	_	이	0	0		
Mine (surface)								Tree Planta		on.		0	0	0		Trails	etion		-	0	0	0	
Mine (underground)							(INSECT)	12242			0	0	0	- 4	Soil Compaction (ANIMAL OR HUMAN)				0	0	0		
Military O O O							Shrub Layer (WILD OR DON	IESTIC)		19	0	0	0		Offroad veh		4000		0	0	0		
Other: O O O							Highly Graz	HIGH)			0	0	0		Soil erosion OR OVERUSE		iu, WAT	EK,	0	0	0		
Other: O O O						Recently Burned Forest Canopy			0	0	0		Other:		0	0	0						
						Recently Burned Grassland (BLACKENED)				0	0		Other: O O O										
Flag codes: K = No measurement made, U = S								uspect measo lags in comm							igned b	y each field c	rew.	2	428	168	304		

•			Die		84	H	FOI	RM B-1:	BUFF	ER	SAI	MPL	E P	LOT	S (F	ront)	L ST	Reviewed	by (initia	I):		•
Site I	D:	PC	AP	3	C	12	52								DATE	±.0.7.	1 1 8	12	. 0	1 3	2_	
Location: Fill in bubble(s) if plot(s) could not be sampled and flag AA Center ON OS OE OW OPlot 1 OPlot 2 OPlot 3 Buffer Natural Cover Strata																Т						
• AAC	enter	G	N	0	S	01	≡ 0	W	OP	lot '	1	0	Plot	2	OF	Plot 3						
F10 1- 6 - 6-1-	- 5 N Ab		-1 0	WI											-	N M						
Strata Section	n: Fill in a	approp	priate o	cover	i ype: class	bubble	e for eac	s; E = Evergre h strata type fo	en. Lear i or each plo	ype: E	Abser	t; 1 = :	r; N = 1 Sparse	Needie (<10%	e Lear. A 6); 2≃M	Absent: No tree oderate(10-40°	e canopy. %); 3 = Hea	vy (40-75	%); 4 =	Very H	eavy ((>75%)
Buffer	Canopy	у Тур	e: (() A	bsen	t: O	Buffer	Canop	у Тур	e: () () At	sent	: 0	Buffer	Canopy	Type: (D () At	sent	: ()
Plot 1	Lea	f Typ	e:	(5		Flag	Plot 2	Lea	f Typ	e: () (Flag	Plot 3	Leaf	Type: (<u>)</u>			Flag
Big Trees (>	0.3m DBH)	0	0		0	0		Big Trees (>	0.3m DBH)	0	0	①	0	0		Big Trees	(>0.3m DBH)	00	0	0	0	
mall Trees (<	0.3m DBH)	0	0	0	9	0		Small Trees (<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH)	00	0	3	0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	2	0	0		Woody Shrub	s, Saplings -5m HIGH)	0	0	2	0	0			bs, Saplings im-5m HIGH)		0	0	0	
Woody Shrubs		<u></u>	0	(2)	0	0		Woody Shrub		0	0	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	00	-	0	0	
Herbs, F	orbs and Grasses		•	0	0	0			orbs and Grasses	_	0	0	0	Ō			Forbs and Grasses	00		0	0	
	ground	0	•	2	0	0		Bare	ground	0	0	0	0	Ō		Bar	e ground	00	-	0	0	
Litt	er, duff	0	0	(2)	0	0		Lit	ter, duff	0	Ō	0	Ō	Ō		L	itter, duff	00		0	0	
	Rock		0	0	3	0			Rock	0	0	0	ŏ	ŏ			Rock	00		0	0	
	Water		0	0	0	0			Water	0	0	0	ŏ	$\overline{\odot}$			Water	00		0	ŏ	
	bmerged		0	(2)	0	0			ibmerged	Ö	0	0	ŏ	$\tilde{\odot}$			Submerged	00	10	0	0	
	egetation or Pres	enc				-	rm that		egetation bubble in		No.			-	unfilled		Vegetation cates abse		-			•
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates Residential and Urban Stressors Hydrology Stressors Agric													Agricult				100					
Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	a generalism	2500		1	2	3	Flag	Fill bubble			1	2	3	Flag
Road - gra	vel			0	0	0	SERVICE SE	Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ıv		0	0	0	
Road - two				0	0	0		Dike/Dam/	Road/RR			0	0	0		Range			0	0	0	
Road - fou	r lane			0	0	0		Water Levi		l Stru	cture		0	0		Row Crops			0	0	0	la l
Parking Lo	t/Pavem	ent		0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Field		RESTING	0	0	0	0
Golf Cours	e			0	0	0	17.8	Fill/Spoil B				0	0	0		Fallow Field	d (OLD - GR	ASS,	0	0	0	
Lawn/Park	7	0	197	0	0	0	31	Freshly De		Sedim	ent	0	0	0	5 .5	Nursery	1	- Killing	0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	Root Expo	osure		0	0	0		Dairy			0	0	0	
Urban/Mult	tifamily			0	0	0		Wall/Ripra	0			0	0	0		Orchard			0	0	0	
Landfill				0	0	0		Inlets, Outl				0	0	0		Confined A	nimal Fee	ding	0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT O	R STORMV	VATER)	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:				0	0	0		Other:				0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:	-	- 1111 70	10	0	0	
Indus	strial De	evel	opmo	ent S	tres	sor	3					I	labit	at/V	egeta	tion Stress	ors					
ill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	lot	1	2	3	Flag	Fill bubb	le if prese	ent - Plo	t 1	2	3	Flag
Oil Drilling		L US		0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se		0	0	0	
Gas Wells				0	0	0	_	Forest Sele	ctive Cut			0	0	0		Mowing/Shr	rub Cutting	3	0	0	0	
Mine (surfa	ice)			0	0	0		Tree Planta	tion			0	0	0		Trails			0	0	0	
Mine (underground)							Tree Canop (INSECT)	y Herbivo	ory		0	0	0		Soil Compaction (ANIMAL OR HUMAN)			0	0	0		
Military O O O							Shrub Layer Browsed				•	0	0		Offroad veh	icle dama	ge	0	0	0		
Other: O O O						(WILD OR DOMESTIC) Highly Grazed Grasses			0	0	0		Soil erosion		ID, WATER	0	0	0				
Other: O O O						Recently Burned Forest			0	0	0		OR OVERUSE) Other:				0	0				
Other:				0	0	0		Canopy Recently Bu (BLACKENED)	med Gra	sslar	nd	0	0	0		Other:		-	0	0	0	77
	g codes:	K=N	lo me	Transition of the last		made	, U = S	uspect measu				= mis	a. flag	s assi	gned by	y each field cı	rew.	24	2816	The same	7	
Bu	ıffer San	nple l	Plots	05	/27/:		ain all f	ags in comm	ent sectio	on on t	the ba	ck of	this fo	m				24	~ 0 T Q	J J U 4		

_							FO	RM B-1:	BUFF	ER	SAN	/IPL	EP	LOT	rs (F	ront)		Revie	wed by	(initial):	(
Site ID:	: <u>F</u>	2()	4P		<u>sc</u>	1	25	2							DATE	: 0.7	1)	61	2	. ٥.	16	2	
Location	n:		di.	DO.			Yara		Fill	in b	ubb	le(s) if p	lot(s) cou	uld not be	samp	led a	ınd f	lag ·	→		
O AA Ce	enter	C	N	0	S	OE	0	W	OF	lot 1	1	01	Plot	2	O F	Plot 3							
· · · · · · · · · · · · · · · · · · ·		_1			_	D - D			Buffer						_	A b b b l b						•	
ill in bubbles for trata Section:	for all the	pprop	oriate o	over	class t	oubble	for eac	h strata type f	een. Leat I or each plo	ype: E t. 0 = /	Absen	t; 1 = \$	r; N = Sparse	Needi e(<105	e Lear. <i>F</i> %); 2=M	oderate(10-40	e canopy. %); 3 = H	eavy (4	0-75%); 4 = \	/ery H	eavy (>75%)
Buffer C	Canopy	/ Тур	e: @		Al (osen	t: O	Buffer	Canop	у Тур	e: 🙋) () AI	osen	: O	Buffer	Cano	ру Тур	e: 🔞) () At	sent	: 0
Plot 1	Leaf	Тур	e: 🔞) (<u> </u>		Flag	Plot 2	Lea	f Typ	e: @) (Flag	Plot 3	Le	af Typ	e: 🔞	(WIII	Flag
Big Trees (>0.3	3m DBH)	(6)	0	②	0	0		Big Trees (>0.3m DBH)	0	0	2	0	@		Big Trees	(>0.3m DE	н) 🔞	0	2	0	0	
nall Trees (<0.3	3m DBH)	0	0	(3)	(3)	0		Small Trees	(<0.3m DBH)	0	0	(2)	0	<u></u>		Small Trees	(<0.3m DE	SH) ①	0	2	(4)	0	- 1
oody Shrubs, Sa (0.5m-5m		0	0	②	0	0		Woody Shrul (0.5r	s, Saplings n-5m HIGH)	0	•	0	0	0		Woody Shr	ubs, Saplin 5m-5m HIG		0	0	0	0	
oody Shrubs, Sa		0	0	0	0	0		Woody Shrul	 	0	0	@	0	0		Woody Shr.		gs 🕜	0	0	<u> </u>	0	
Herbs, Forb	bs and	0	0	<u></u>	0	Ō			Forbs and	Ō	0	0	0	$\frac{\check{\odot}}{\odot}$, Forbs ar	nd 🕝	0	0	0	0	
Bare gr	rasses round	\odot	0	0	0	$\tilde{\odot}$	i	Bar	Grasses e ground	0	0	0	0	$\frac{\circ}{\circ}$		Bai	Grasse re groun	-	Ö	0	0	0	
Litter,		0	0	0	0	3			itter, duff	0	0	0	$\frac{\circ}{\circ}$	<u>0</u>			itter, du		0	0	0	9	
			$\stackrel{\sim}{\sim}$	_	0	_				-		-							+=	-		-	
	Rock	0	\odot	0	+=	0			Rock	3	\odot	0	0	$\frac{\odot}{\odot}$			Roc	92	0	0	0	<u> </u>	
	Water nerged	<u>@</u>	0	<u> </u>	0	0			Water	@	0	0	0	<u>0</u>			Wate Submerge	-	0	0	0	0	
	etation	6	\odot	\odot	0	\odot			/egetation	6	\odot	0	(1)	<u> </u>			Vegetation		0	(2)	0	0	
Stressor	r Pres	ence	e/Ab	sen	ce - (Confi	rm that	a filled data	bubble in	ndicat	es pr	esen	ce an	d an	unfilled	bubble indi	cates ab	sence	by fill	ing th	is but	ble.	0
Reside	ential a	and	Urba	an S	tress	ors			Hydrolo	gy S	tres	sors					Agricu	ltural	& Ru	ıral S	tres	sors	ķ.
ll bubble if	fprese	nt - F	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	e if pres	ent - F	lot	1	2	3	Flag
Road - grave	el			0	0	0		Ditches, C	hanneliza	ation		0	0	0	-4	Pasture/Ha	ау			0	0	0	
oad - two la	ane			0	0	0		Dike/Dam (IMPEDE FLO		Bed		0	0	0		Range				0	0	0	
load - four la	lane	841	4 =	0	0	0		Water Lev	el Contro	l Stru	cture	0	0	0		Row Crops				0	0	0	
arking Lot/F	Pavem	ent		0	0	0		Excavatio	n, Dredgir	ng		0	0	0	A sec	Fallow Fiel	d (RECEN	IT-REST	ING	0	0	0	10
olf Course	H []	H	300	0	0	0		Fill/Spoil E	Banks			0	0	0	711	Fallow Fiel	d (ого - с	SRASS,		0	0	0	T.
awn/Park				0	0	0		Freshly Do		Sedim	ent	0	0	0	y u	Nursery				0	0	0	14.
uburban Re	esident	tial		0	0	0		Soil Loss/		osure		0	0	0		Dairy				0	0	0	4 6
rban/Multifa	amily			0	0	0		Wall/Ripra	р	Val		0	0	0		Orchard				0	0	0	
andfill	III,WI			0	0	0		Inlets, Our	lets			0	0	0		Confined A	nimal F	eeding		0	0	0	d'i
umping	110,000	N. O		0	0	0		Point Sou (EFFLUENT		VATER)	0	0	0		Rural Resi	dential			0	0	0	
rash			8	0	0	0		Imperviou (SHEETFLO)	s surface	input		0	0	0	71	Gravel Pit		1		0	0	0	
ther:				0	0	0		Other:				0	0	0		Irrigation		4 6	Hal	0	0	0	
ther:			HLav	0	0	0		Other:				0	0	0		Other:				0	0	0	
Industr	rial De	evelo	pme	ent s	200		3					200	Habit		egeta	tion Stress	sors						Telli-
ll bubble if	f prese	nt - F	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	lot	1	2	3	Flag	Fill bubb	le if pre	sent -	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea				0	0	0		Herbicide L				0	0	0	
as Wells	511377			19024					1000			The same of		1000						De la constitución de la constit			
			(45) (45)	0	0	0		Forest Sele				0	0	0		Mowing/Sh	rub Cutt	ııg		0	0	0	
line (surface				0	0	0		Tree Planta Tree Canor		חרע		0	0	0		Trails Soil Compa	ection			•	0	0	
line (underg	ground))		0	0	0		(INSECT)				0	0	0		(ANIMAL OR H	IUMAN)			•	0	0	
ilitary				0	0	0		Shrub Laye (WILD OR DO	MESTIC)			0	8	@		Offroad vel		-		0	0	0	
ther:				0	0	0		Highly Graz (OVERALL <3*	HIGH)			0	0	0		Soil erosion OR OVERUSE		VIND, W	ATER,	0	0	0	
				0	0	0		Recently B	urned For	est		0	0	0		Other:				0	0	0	
ther:				-		-		Recently B			d	0	1000	0					_			0	

							FO	RM B-1:	BUFF	ER	SAI	/IPL	EP	LOT	S (F	ront)			Revi	ewed by	y (initial):	(
Site I	D:	PG	4P	<	SC		12	52							DATE	0.7	1	18	3_1	2	.0.) .	2	
Location:						Fill	in b	ubb	le(s) if p	lot(s	s) cou	ıld not be	sa	mp	led	and 1	flag ·	-					
OAA Center ON SOE O						W	OP	lot	1	0	Plot	2	OF	Plot 3										
Fill in bubble	es for all th	at ap	oly: Ca	inopy	Type:	D = D	eciduou	ıs; E = Evergr	Buffer een. Leaf T	vpe: E	3 = Br	adlea	f; N =	Needle	Leaf. A	Absent: No tre	e car	юру.						>75%) : O
Strata Section	on: Fill in a	approp	riate d	cover	class t	oubble	for eac	h strata type t	for each plo	t. 0 =	Absen	t; 1 = :	Sparse	<10%	6); 2=M	oderate(10-40	1%); 3	3 = He	eavy (4	10-75%	i); 4 = \	/ery H	eavy (>75%)
Buffer Plot 1	Plot 1				Buffer Plot 2		Canopy Type:						Buffer Plot 3	C		-	oe: 🕝	$\stackrel{\sim}{=}$		sent	: 0			
			$\overline{\sim}$				Flag				e: @				Flag				<u> </u>	be: (*	/			Flag
Big Trees (>	0.3m DBH)	-	0	0	0	0		Big Trees (>0.3m DBH)	=	0	0	®	<u> </u>		Big Trees	-		 =	 	6	0	0	nug
00		\odot	®	0	0		Small Trees	·			(4)	0	<u> </u>		Small Trees			1	+=	0	0	0		
 	5m HIGH)	0	0	0	0	0	131-7	· ·	n-5m HIGH)	0	0	0	0	<u>O</u>		· · · · · ·	5m-5n	n HIGI	1) C	-	0	(4)	0	400
	Voody Shrubs, Saplings (<0.5m HIGH)		0	2	6	0		Woody Shrui	bs, Saplings 0.5m HIGH)	0	0	3	0	0	-	Woody Shru		apling HIGH			0	0	0	1
Herbs, F	orbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0	0	①	0	0		Herbs		bs an rasse			1	0	0	
	ground	@	0	0	0	0		Bar	e ground	0	@	0	0	0		Bai		ound	0		3	0	0	
Litt	ter, duff	0	0	<u>3</u>	6	0		ê L	itter, duff	Ō	0	0	0	0		L	Litter	, duf		+=	3	0	6	
	Rock	®	0	<u>0</u>	0	ŏ		_	Rock	O	0	0	3	0		- 4		Rock		+ -	0	0	0	
	Water	0	0	0	0	$\overline{0}$	_		Water	9	0	0	0	$\frac{\circ}{\circ}$				Vate		+ -	0	0	0	
Su	bmerged	-	\sim	$\overline{}$		-		S	ubmerged		_			_				nerge		$\stackrel{\sim}{\sim}$	0	$\overline{}$	0	
	egetation	②	<u>(1)</u>	\odot	0	0			Vegetation	0	0	0		0	611	hadala indi		etatio				0		•
		a filled data bubble indicates presence and an unfilled bubble i													91101		100							
Residential and Urban Stressors					Hydrology Stress					1								ural S			4			
FIII bubble if present - Plot 1			1	2	3	Flag	Fill bubbl	e if prese	present - Plot		1	2	3	Flag	FIII bubble	e it p	orese	ent -	Piot	1	2	3	Flag	
Road - gravel		0	0	0		Ditches, C	200		0	0	0		Pasture/Ha	ay				0	0	0				
Road - two lane			0	0	0		Dike/Dam (IMPEDE FL	Bea		0	0	0		Range			-		0	0	0			
Road - fou	Road - four lane		TH.	0	0	0	- 17	Water Lev	vel Contro	Stru	ıcture	0	0	0		Row Crops					0	0	0	V1_
Parking Lot/Pavement			0	0	0	File	Excavatio	n, Dredgir	ng	N g	0	0	0	T	Fallow Fiel ROW CROP FIEL	LD)			TING	0	0	0		
Golf Course				0	0	0		Fill/Spoil E				0	0	0		Fallow Fiel SHRUBS, TRE		ш-G	RASS,		0	0	0	l ni
Lawn/Park			4	0	0	0		Freshly D		Sedin	nent	0	0	0		Nursery					0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/	Root Exp	osure		0	0	0		Dairy					0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	ар		UN.	0	0	0		Orchard					0	0	0	
Landfill			HIL	0	0	0		Inlets, Outlets				0	0	0		Confined A	Anim	al Fe	edin	9	0	0	0	1.000
Dumping				0	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER			₹)	0	0	0		Rural Resi	ident	ial		410	0	0	0	
Trash				0	0	0	l les	Imperviou (SHEETFLO	s surface	inpul	l	0	0	0		Gravel Pit					0	0	0	- 1
Other:				0	0	0		Other:				0	0	0		Irrigation		43.			0	0	0	
Other:			11 232	0	0	O		Other:				0	0	0		Other:					0	0	0	
	strial De	evel	opm	0.0015	Sietta	4000	3		Habitat/Vegetation Stressors															
Fill bubble				1	2	3	Flag	Fill bubble	e if prese	nt - 1	Plot	1	2	3	Flag	Fill bubb			sent	- Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea				0	0	0		Herbicide U					0	0	0	5
Gas Wells		file and									Towns Co.			the reserved the steer of the s		0	0	0						
		0	0	0		Forest Selective Cu				0	0	0		Mowing/Shrub Cutting										
Mine (surface)			0	0	0		Tree Plantation				0	0	0		Trails Soil Compaction		0	0	0					
Mine (underground)		Min	0	0	0		Tree Canopy Herbivory (INSECT)			0	0	0		(ANIMAL OR H	HUMA	N)	1		0	0	0			
Military		0	0	0		Shrub Layer Browsed (WILD OR DOMESTIC)			•	9	•		Offroad vel					0	0	0				
Other:				0	0	0		Highly Grazed Grasses (OVERALL <3" HIGH)				0	0	0		Soil erosion OR OVERUSE		OM W	IND, V	ATER,	0	0	0	
			Top	0	0	0		Recently B		rest		0	0	0		Other:					0	0	0	
Other:					progr	F =	Canopy Recently B	d Co	eelai	nd	10000	100			0.1				-		0	0		
Other:		-400		0	0	0		(BLACKENED		133101	A PROPERTY.	0	0	0		Other:					0	1 ()		

								0								0							
•		•#					FOI	RM B-1:	BUFF	ER	SAI	MPL	ΕP	LOT				Review				_ (
Site I	D: p	CA	250	125	52										DATE	: 0.7	1119	3.1	2	0	1.	2_	
Location		REEN'	2				9.0	AUE II	DATE: 0.7 1.8 2.0.1.2 Fill in bubble(s) if plot(s) could not be sampled and flag →													T	
					OS DE O			W	TO BELLEVIE	lot			Plot			lot 3							
Fill in bubble	es for all th	hat app	ply: Ca	nopy	Type:	D = D	eciduou for eac	Buffer Natural Cover Strata s; E = Evergreen. Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy. s trata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75													>75%)		
			Canopy		_			sent	_				-	(E)		sent	_						
Buffer Plot 1 Leaf Type: Absent: Canopy Type: Absent: Flag						$\overline{}$	Buffer Plot 2			_		\leftarrow	Flag		Buffer Plot 3	Canopy Type:			0	AU	-		
Big Trees (>0.3m DBH)				(1)	8	0	riag	Big Trees (>		Leaf Type:				0	riay	1010			0	ŏĬ	0	0	Flag
					0							0	$\frac{\circ}{\circ}$				$\stackrel{\sim}{\sim}$	®	0	0	0		
			-		1		Small Trees (Woody Shrub	-			9	-			Manda Charles Continue		=		_		-		
(0.5m-5m HIGH)			0	0	0		(0.5m Woody Shrub	-5m HIGH)	_	0	9	0	$\frac{\odot}{\odot}$		(0.5	im-5m HIGH) bs, Saplings			0	0	\odot	-	
(<0.	.5m HIGH) orbs and	+	6	0	0	0		(<0	.5m HIGH) orbs and	0	9	0	0	0	1	(•	(0.5m HIGH) Forbs and		8	0	9	9	
	Grasses	0	0	0	0	0		110103,1	Grasses	0	0	9	0	<u>O</u>			Grasses		0	(a)	<u> </u>	9	_
Bare	ground	0	9	0	0	0		Bare	ground	0	0	0		恩		Bar	e ground	0	0	0		0	
Litt	ter, duff	0	0	0		0		Lif	ter, duff	0	0	0	0	1		L	itter, duff	0	(3)	0	0	0	
	Rock	0	9	0	0	0			Rock	0	9	0	0	0			Rock	0	6	0	<u> </u>	0	
	Water		0	0	0	0		24	Water		0	0	0	0			Water		0	0	0	0	
	ibmerged egetation		0	0	0	0			bmerged egetation	9	0	0	0	0			Submerged Vegetation		0	0	0	0	
			e/Ab	send	e - (Confi	rm that								unfilled	d bubble indicates absence by filling this bubble.							
Resi	dential	and	Urba	an S	tres	sors		Hydrology Stressors								Agricultural & Rural Stressors							
Fill bubble if present - Plot 1 2 3						3	Flag	g Fill bubble if present - Plot					2	3	Flag	Fill bubble if present - Plot				1	2	3	Flag
Road - gravel				0	0	0		Ditches, C					0	0		Pasture/Ha	av .	ALC:	(Shr	0	0	0	
Road - two lane			0	0	0		Dike/Dam/	Road/RR	Road/RR Bed			0	0		Range				0	0	0		
Road - four lane				0	0	0		(IMPEDE FLO	el Control Structure			0	0	ō		Row Crops				0	0	0	
Parking Lot/Pavement				0	0	0		Excavation	n, Dredging			0	0	0	,	Fallow Fiel		RESTI	NG	0	0	0	On the
Golf Course				0	0	0		Fill/Spoil B				0	0	o	1	Fallow Fiel	d (OLD - GR	ASS,		0	0	0	
Lawn/Park	-1			0	0	0	5.7			posited Sediment				0		SHRUBS, TRE	:E51			0	0	0	
Suburban		itial		0	0	0		Soil Loss/F		oot Exposure			0	0		Dairy			1	0	0	0	
Urban/Mul	No.			0	0	0		Wall/Ripra	p			0	O	0		Orchard				0	0	0	
Landfill	Y 150	070		0	0	0		Inlets, Out	ets			0	0	O		Confined A	nimal Fee	eding		0	0	0	
Dumping		No.		0	0	0		Point Sour		WATER	21	0	0	0		Rural Resi	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW	surface			0	0	O		Gravel Pit				0	0	0	
Other:				0	0	0		Other:	21 3		-	0	0	0	- 1	Irrigation	+2951			0	0	0	4
Other:	1177 AV 187			0	0	0		Other:				0	O	0		Other:				0	0	0	
Indus	strial D	evel	opm	ent S			5			tion Stressors													
Fill bubble	if pres	Fill bubble	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		Herbicide U	lse			0	0	0		
Gas Wells			0	0	0		Forest Sele				0	0	0		Mowing/Shrub Cutting				0	0	0		
Mine (surface)			0	0	0		Tree Planta	tion				0	0		Trails .				0	0	(4)	1,2	
Mine (underground)			0	0	0		Tree Canop	and the second				0	0		Soil Compaction				0	0	0	7	
Military			0	0	0		(INSECT) Shrub Laye		d		0	•	0		(ANIMAL OR H	record in	age		0	0	0		
Other:			0	0	0		(WILD OR DON Highly Graz	ed Grass	ses		0	0 0 0 5			Soil erosion	0	0	0					
							(OVERALL <3" Recently Bu		rest		1000	1000	Sales Line		OR OVERUSE Other:)			0	0	0	-	
Other:			0	0	0		Canopy Recently Bu	ırned Gra	assla	nd	0	0	0									4	
			0	0	0		(BLACKENED)				0	0	0	<u> </u>	Other:			_1	0	0	0		
	ag codes uffer Sar				375	Exp		uspect meas lags in comm							iAilea p	y each neid C	idw.		242	3168	304		