CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form							
Project Label:	PCAP	Plot No	:   <u>719</u> Date Sampled: <u>6/20/12</u> Lead: <u>Bartor</u>				
	<del></del>	-	The state of the s				
[ <del>.</del>		1 70	Comment required if item answer is NO				
	ide of Park Boundaries:	YN	If yes, write details in Comments section below				
Field journals comp		Y N					
Site sketch made on		Y N	Made sketch on available map				
Check cover page	X-axis Bearing of plot recorded	(Y) N	,				
	GPS coords. Recorded						
	North direction recorded	Q N					
	Photographs taken?	(Y) N					
Plot No., Date agree	ment on all pages?	(Y) N					
Header data complet		Y N					
Cover classes record	led in all Intensive modules	Y N					
Browse Level By Sp	ecies	Y N					
Woody stem quality	control check	· (V) N					
Invasive plant qualit	y control check	(Y) N					
Ash trees mapped		Y N	N/A				
Cover by Strata? (co	nfirm cover type)	(Y) N					
Soil samples collecte	ed with matching plot #.	(Y) N					
Vouchers labeled on	datasheet with initials and number	Y N					
Vouchers labeled on	collection bag	Y) N					
Pink flags removed		Ø N					
Data sheet QA befor	e leaving site?	Y N					
Common equipment	returned to tub.	Ø N	9				
Data sheets scanned	7	6/22/17	Enter date to left NZ				
Final data sheets sca	nned?		Enter date to left				
Buffer Widths measu	ared?	Y N	JTP 6-22-2012				
Web Soil Survey		(Y) N	AY 6-21-2012				
Voucher Location	Refrigerator	Ø N					
( # vouchers collected)	Press (#)		Enter number to left				
	Drier	Y N					
	Identified	Y N					
	Mounted	Y N					
	Thrown away	Y N					
-							
CRTS point verifies	ation: Is plot sampleable?		// / / / / / / / / / / / / / / / / / /				
¥ Yes	Original GRTS point is sampleable						
			-11:				
□ No	Original GRTS point lands in a non-s  Point falls in a water (i.e. river, la	_	ill in category below)				
	☐ Managed mowed area (i.e. golf o		ht_nf_way\				
	Paved area (i.e. parkinglot, road)	ourse, preme mea, me	in-or-way)				
,	☐ Unsafe to sample (i.e. steep slope)	)					
	□ Other						
Additional Commen	its:						
Parked on T	Been by Bridd tran	l off Ha	utnorn partway @about 430m				
from Plot			·				
4 - ,							

s in Rold and Underlined	Authority: G&C Pub Date: 1998 as	TAXONOMIC STANDARD 0 R	lichen Y Pla	bryo X Ph	n/a	high modera low not smpl	TAXONOMIC ACCURACY De	n Hurried data	□ Accurate may still provide good Plc		Effort Level: subjective evaluation of Co	SAMPLING QUALITY*	□ Perm. water □ Paved □ Slope □ Safety La	PLOT NOT SAMPLED: Other x =	** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. GP	Da	L.H. Amar Wash Soil OC		renmon Bot. Asst.	Barton Plot leader	Role**	/ /	2	Level 5 (nested corners sampled)	Level 4 (no nested corners sampled)     Da	Plot No.: 1219	John Jass mer	/ 20/	Project Name: 0/3e 20/2 Qu	Project Label: PCAP State:	GENERAL INFORMATION LO	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet
*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	□ Systematic (grid) □ Capture specific feature □ Other	□ Random □ Stratified Random □ Transect component	Plot placement: BGRTS - 12 - Representative	Photo Nos.: 64-0108	Camera No.:	Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)	Depth: (1-5): 4	X-axis Bearing of plot: [306] °	Plot size for cover data: O. (hectares)	GPS File Name: /2/9A	Coord. Accuracy: Wm aft +-/H	3	<u>Latitude</u> : 41.38079	O y = O  (base of plot x=0, y=0)	GPS location in plot $x=0$ to 5, $y=-1,0,+1$ ):	Datum: ■ NAD83/WGS84 □ NAD27	□ Other (specify) ■ m □ ft □	■ Lat/Long □ UTM □ StatePlane   ■ deg □ deg min	Coord. Units	□MAP ■GPS	If data not public why?	Reason:	□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	Check one: Public data Private Data	Data Confidentiality:	Landowner: Cle Met	N of 271	Local Place Names: S on Hawthorn Pky	Quadrangle: Shaker Heights	Ite: OH County: Cuy	LOCATION	unity Assessment Program - Background
CVS Field Guide OVER		,	seedings, carex	Herb: yesy appays; Frsqemajkrax	ragus		Shrub; Ans rubrum, Area Sace harrym,	Liriodendia, ther rubrum	veg. croi, andly have strong some was,	year that the section of the sections	Dalionale GKIV	0 + 1 / 0 + 1	nawthorn tarkway West of 271	11 1 March pullett near bridle trail on	acked a could will be a could be a could be	LOCATION. Plot rims NE whom has a shop	They are the second of the sec	Tariot: 2x5	dominants, strata, BROWSE). Additional notes in space on back.	NOTES: Include Layout (any unusual shape details), Location (directions and landscape content) Rationale (why here) and Veg Characterization (description of community	Key: O(0,0) point OFS location O photo taken, o location of with direction permanent posts	4 3 4 3	<b>97</b> #1 #2 #3 #4 #5			plot: #10 #9 #8 #7 #6	2-10 3 4 3 4	**	30000			l Data Sheet ्रिकेशस्त्राज्यामध्यात्राज्यात्र Page 1 of 2

	Project Label: Total modules:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet Project Label: PCAP Project name: 0/18e20/2  Total modules: 10 Intensive modules: 4 Plot configu	nent Program Species Cover Data Project name: 0/8e202 Intensive modules: 4 Plot	Cover Data S  (Be 2012  Here Plot co	Data Sheet 2a Plot no.: $1219$ Plot configuration: $2\times5$		Page 1 c
	,	K	-1 I ₁	]	111		
	<b>⊗</b>	7	Estimate for each intensive module:	depth mod	cov depth cov depth cov	mod corner mod  8 4 8 depth cov depth	Cov depth cov depth cov
	Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over		9 0 5	20	7 7 5	
		ciure prov	%unveg. ground (bare soil)	0	00		+ +
	Cov. en		%unveg. Hiter (bare litter)	C		d	-
	T S H (F)(A) Br	3r Species	c Voucher# d	oth cov   depth	cov   depth	cov depth cov depth	cov depth cov depth
	7	tinus alba strabus		83		_	
	7.	Acer Pubrum	2	14	2472	14 4	エの
	6,5	Acer Sacharim		3 7	X	252	26
(	7' 2' :	£		141318	18	4719	アダーエ
	7 2	-	2	763	45	1114	32614
	4"	Cicar		47!			
	4.22	Spra		323		2	2322
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	72	us 50	2	2 4	21		Towns of the
	2	Acisaema Hoiphyllum		222	322	3 2	
reamons		S Committee 25	3-64-0109 E	2 1			
	22	Are seedlings	N	224	223	223	
		Quercus send linos	S)	9 / 1 1			
	2	Berberis thinberair	2	2 2	2	1 2+	
	2	٦.		2 2 4		2	AND IN SHARE
7-	2	Interian		1 2+	2		
	2			12+	22		
	2	then ocis		16+	2 1 1		
	2	0		1+	3 2 3	22	
	· ·	Vitis SP (Seedlings)		2)	21		
threat		10-Rasa hultiflors					
a Civilate	1	DWA diest Hackelia	01/0-12-01/0			21	
	4 2	rdite			2	21	
	h	1 A		_	222		

CLEVELAND MET Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a  Project Label: PCAP Project name: 0/8e 2012	nent Program Species Cover Data Project name: 2/8e 20/2	es Cover D	ata Sheet	2a Plot no.:	1219		70	Page	of 2	•
Total modules:		Intensive modules:		Plot configuration:	ıration:			Plot area (ha):	(ha):		
⊗		Estimate for each	mod comer mod	comer	comer Gov	cov depth	corner mod	corner mod	cov   depth	cov depth	2 7 9
Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	%open water	1				_L _ L		$\prod$		
Metroparks	entire plot	%unvegetated open water %unveg. ground (bare soil)		91 9			-				
Strata - Cov. entire plot		%unveg. litter (bare litter)									1
T S H (F)(A) Br	Species	c Voucher#	depth cov c	depth cov de	depth cov depth	cov depth	cov depth	cov depth	cov depth	cov depth	2
-	Ulmus sepaling			2	7		4				$\vdash$
کڑ	Rubus so,			1	122			7			
2	Moss sp.			0 1	22		12		12	11	$\vdash$
-,	Primus Lemasis				+	12					$\vdash$
٦, ج. ا	rasus gooditalia	2.75-12	-		2+	2	5	H	8		T
2	Pareca Chathair Spirata	X28063			2	4	W				$\top$
	Rhamnus trangula				1 1	2					$\top$
2	Vita riparia		ļ		1	1		1	-		T
7)	Paricum Longing NM 9-25-12	X25/3054				12	2				T
N	Toxicodendron radicans					1	~				T
2	Carex (Swanii) 258-25-12	X 25B055					2)	2			$\top$
/							2		-		1
2 7	Cornus Florida			100			7)	4		Ā	$\vdash$
5	Quercus rubra							ω	7		$\vdash$
2	< .						_	4	21		+-
							_			72	
4	larva ovata			150						B	(1)
6	Populus deltoides grandi	didentata								N	(1
	Potententilla simulex									73	1
				3-7-1		130					$\vdash$
											$\vdash$
				1		4			-		$\vdash$
			4		_						_

2 mod w W CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet w v 6 12 2 1 N Liviodendron tulipitera Pinus strobus sassafras albidum Vitis sp. riparia Explain subsample (additional room on back) Acer rubrum Prumus scrotina PIHMS Strobus Pinus Strobay Ulmus americana Acer saccharum Standing dead Berberis Humbergin Acer rubrum Prunis serolina Acer Saccharum Berberis thunbergii Standing dead Crataegus sp. Pinus strobus Pinus strobus standing dead Cretagus sp. Acer rubrum sassafvass albidium Project Label: \_\_ PCAP voucher# browsed sample 0-1.4m # stems or super % sub Project Name: 01 Bc2012 shrub clumps \* size class (cm) woody stems >1.4m P-<1 1-<2.5 2.5-<5 Plot No .: 1219 5-<10 10 - <15 15 - <20 20 - <25 Page:\_ 25 - < 30 30 - <35 ಲ್ಷ (4) Gleweland Metropasks 35 - <40 6 50.8 8.0H 41.4 46.6 >40 (record each tree)

77 4 S S ध्य 47 67 Pinus strobus S S G mod # CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet S S 00 00 Prunus sevetina Liviodendron tulipitera Acer rubrym Pinus strobus Liviodendron fullpifera Populus grandidentata Acer raterum Pinus strobus Berberis thunbergii Standing dead Acer soucharum Standing dead cretagus sp. Vitis sp. riparia Sassafras albidum Standing dead Pinus strobus Jassafras albidum Standing dead Explain subsample (additional room on back): Sassafras albidum Acer rubrum Acer saccharum Acer rubrum Project Label: PCAP voucher# # stems browsed 0-1.4m sample clumps or super % sub Project Name: 01 Be 2012 shrub size class (cm) woody stems >1.4m P-<1 1-<2.5 2.5-<5 Plot No .: 1219 5-<10 10 - <15 | 15 - <20 20 - <25 Page: :: 25 - <30 1 30 - <35 으 © Gleweland Metroparks 35 - <40 10 44.8, 43.4, 55.9 42.9 >40 (record each tree)

	CLEV	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet  Project Label: PCAP Project Name: 018 2012 Plot No.:	Community PCAP	Assessm	Project	Name:	nt Program Natural Woody Project Name: 018e 2012	Voody S 2012	tem Da	ta Sheet Plot No.: 121	1219		Page:	W	of	Ciencia	Gleveland Metropaiks
		Explain subsample (additional room on back):	back):	_					111								
				# stems 0-1.4m	% sub	# shrub	size class (cm) woody stems >1.4m	(cm) wood	dy stems >	1.4m	5	o	7	8	9	10	#
13	mod #	species	c voucher#	_		clumps	0-<1	1-<2.5	2.5-<5	5-<10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	>40 (record each tree)
	8	Acer sou							•	•							
	0	Rerberis thunbergii				•											
	ø	Corner Florida							•								
_	00	Standing dead						•									
	00	Fagus granditalia							٠						4		
	9	Fagus grandifolia						•									
۵	9	Fagus Acer rubrum									• •						
	9	Acer Saechasum							•	•							
4	9	Liviodendron tulipitera								•							47.1,407
	9	Pinus strabus															
4	9	Standing dead							•								
<	9	Sassafraso Widum		••													
_	ō	Acer Saccharum								•							
4	ō	Standing Dead						••							0.0		
4	8	Sassafras albidum										,			•		
_	0	Fagus grandifolia								•							
_	10	Livio dendran tulipitera														•	52.0
_	10	Carya ovata								•							
(	8	Acer tubrum									• •						-
_	10	Pinus strobus											312				9. hh
<	10	Berberis thunbergii				•											
1																	

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

-			Module #
	1		C?
			Comer Comer
			Corner

				┸		L			
COASTAI (enecify enholese)	D FRINGING D Reservoir D Natural Lake	□ SLOPE (ground water hydrology or on a physical slop)	DRIVERINE DHeadwater DMainstem DChannel	□ IMPOUNDMENT □ Beaver □ Human	DEPRESSION	Hydrogeomorphic class (WETLANDS ONLY):	(FIT = excellent g Fit and Confidence	CLASSIFICATION	
H	Fig.		Fire	1					
Confie	Conf=	Conf=	Conf	Conf	Conf=				

## MICROTOPOGRAPHIC FEATURE COUNTS - intensive modules only

Stope 1 = slight elevational grade across module (hill) anks for ricrohabital 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

6	90	ci	2	med#					
١	1	1	١	corner					
0	0	0	0	(count)	lxim	depth 3		tussocks	no, of
0	d	0	0	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no of
_	-	0	2	(count)	10x10m	depth 1		depressions	no, macro.
24	23	27	专门 中市	(count)	10x10m	depth 1		(2-12 cm)	c,w,d
И	2	0	‡ 0 -	(count)	10x10m	depth 1		(12-40cm)	c.w.d
0	0	0	a	(count)	10x10m	depth 1		>40 cm	c.w.d
W	W	2	w	(rank)	10x10m	depth I		interspers.	microhab.
0	0	0	O	(rank)	10×10m	SLOPE			microhab

	CLASSIFICATION		
0	(FIT = excellent g Fit and Confidence		
-	Hydroseomorphic class (WETLANDS ONLY):		
-	DEPRESSION	1	Conf=
	□ IMPOUNDMENT □ Beaver □ Human	1	Conf*
<u></u>	DRIVERINE DHeadwater DMainstem DChannel	Fit	Conf
	□ SLOPE (ground water hydrology or on a physical slop)		Conf=
	□ FRINGING □ Reservoir □ Natural Lake	1	Conf=
_	COASTAL (specify subclass)	] 	Conf=
To.	BOG (strongly, moderately, weekly ombrotrophic)	Fit	Conf-
10	Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	ËÄ	
_	□ FOREST □ swamp forest □ bog forest □ forest seep	== 	Conf=
-	□ EMERGENT □ marsh □ wet meadow □ open bog	File	Conf=
	□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen	Fil=	Conf=

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

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

+270 degrees

۶

away recorders eye to eye of person standing -10 m

+225 degrees +180 degrees +135 degrees

WS

S

+315 degrees

¥

7	9	88	3	2	Nodule	
UT .	ઢ	6	7	4	2	
LN)	h	Ч	Q	w	s	
i	2	6	9	6	ē	
٥	ህ	-4	9	Q0	W	L

OB				
Ŋ	Qt	6	8	v
T	0	9	4	U
6	6	13	6	161
Uī	Ou	10	6	9

NI	0 0
± ±	<b>V</b> 1
4 4	V €
e 0	<b>2</b> 07

9

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

+45 degrees

E NE

At aspect

Z

+90 degrees

angles formed by local slopes. For TSI measure

horizon TSI is plot to the LFI is angle of

angle from

SE

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

Project label: PCAP Project Name: 0186 2012

Plot No.: 1219 Plot No .: 1219

Chevebrod Metroparks

Page: 1 of 1

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

## Soil pit module # 3 (one per entire plot)

						20 cm							6 cm	
	redox features**	texture*	oxid roots	%mottle	mottle color	matrix color 104R	hydr. cond.***	redox features**	texture*	oxid roots	%mottle	mottle color	matrix color 104R	
)	Y N	(	X X	0	N/A	R 4/2	I s M	۲ ک	120	≺ ②	0	N/A	214	

refer to texture classes on reverse side

hydro. cond.\*\*\*

S M

\*\* 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)

No evidence of earthworms.

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

*100-10-3 YA	□ Impermeable surface	☐ Somewhat poorly dr. ☐ Very poorly dr.		□ Excessively dr □ Somewhat excessively	DRAINAGE	Parent Material: Till	Depth to rest. Layer: > 80 Inches	Landform type: \\Cai\againagiway 5	Soil Series Source: Ohio Soil Survey	Soil Series/Type Rithman Silt loam-855	Walt Sull Sures Information	2,3,8,9 composited	Soil Collection Moduld Horizon (A, B, C)
		orly dr	well de	Pessively			٠,	cidees		+ leam		>	0
		d	9					_		200			

HY 6-21-2012

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

9	00	(1)	2	mod#	
4.3	5.5	5.8	6,5	l litter+ organic depth (cm)	
3.1	4.0	S	から	2 litter depth (cm)	
0	0	0	0	water depth (cm)	
730	>30	730	>30	depth sat soil (cm)	

• Gravel-Cobble = 1/16-10" Water	Boulder** O Duff (Ferm. + Humus) O  Bedrock O Bryophyte- Lichen	Mineral Soil         10 O         Fine Woody Debris****         10           Gravel-Cobble*         O         Litter         96		EARTH SURFACE & GROUND COVER  Underlying Earth Surface* Ground Cover
----------------------------------	---	---	--	--

Herb \$5	(Aquatic)*	Shrub 0.5 . 88
	<u></u>	0.5 . 5

TRAIL INFORMATION:	
record type and cover for each	each
Туре	%Cover
□ All Pupose	
ti Bridle	
□ Hiking sanctioned	
□ Bootleg unsanctioned	MI I
⊡ Gravel	
□ Deer	

□ <plot size<="" td=""><td>□ 1-3 x plot size</td><td>3-10 x plot size</td><td>□ 10-100 x plot size</td><td>□ &gt; 100 x plot size</td><td>□ &gt;600 x plot size</td><td>STAND SIZE</td></plot>	□ 1-3 x plot size	3-10 x plot size	□ 10-100 x plot size	□ > 100 x plot size	□ >600 x plot size	STAND SIZE

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: Invasive Species Survey Tier 1: Early detection/ Rapid response



							4 - 41212	na menoparka
Tier 1: Early detection	n/Rapid response		(Bass	Pres	ence		GPS	
			NE	SE	SW	NW		Presence
Microstegium vimineum	Japanese stiltgrass							X: yes
Ranunculus ficaria	Lesser Celandine							
	e) Black Swallow-wort			<u> </u>				]
Butomus umbellatus (wetlan	d) Flowering Rush				<u> </u>			]
Heracleum mantegazzianum	Giant Hogweed							
Tier 2: Assess	as Needed		1870	# of	Plants	3343	comments	·
			NE	SE	SW	NW		# of Plants
Acer platanoides	Norway Maple							1: 1-10
Ailanthus altissima	Tree of Heaven							2: 11-50.
Lonicera japonica (vine	) Japanese Honeysuckle	9						3: 51-100
Lythrum salicaria (wetland	) Purple Loosestrife							4: 101-1,00
Aegopodium podagraria (G-cove	r) Bishop's Goutweed							5: >1,000
Celastrus orbiculatus (vine	) Asian Bittersweet							) S-
Torilis sp.	Hedgeparsley							
Conium maculatum	Poison Hemlock							
Rhamnus cathartica	Common Buckthorn	(shrub)						
Berberis thunbergii	Japanese Barberry	(shrub)	3	1	2	2		
Alnus glutinosa	European Alder							
Dipsacus laciniatus	Cut-leaf Teasel							1
Elaeagnus umbellata	Autumn Olive	(shrub)						
Lonicera maackii	Amur Honeysuckle	(shrub)						1
Euonymus fortunei	Wintercreeper							1
Tier 3: Presence				# of	Plants	ANGE .	comments	
			NE	SE	sw	NW		# of Plants
Convallaria majalis (G-cove	) Lily of the Valley						·	1: 1-10
	r) Crown Vetch							2: 11-50.
Eleutherococcus pentaphyllus	Five-leaf Aralia	(shrub)						3: 51-100
	r) Japanese Pachysandra	1						4: 101-1,000
Philadelphus coronarius	Mock Orange	(shrub)						5: >1,000
Pulmonaria officinalis (G-cove	r) Lungwort							5
Rubus phoenicolasius	Wineberry							
Iris pseudacorus (wetland	l) Yellow Flag Iris							
Ornithogalum umbellatum	Star of Bethlehem							
Viburnum opulus var. opulus	European Cranberry	(shrub)						
Viburnum plicatum	Doublefile Viburnum	(shrub)						
Tier 4: Widespread	d and abundant		3019	Pres	ence	9 15 3	comments	
	The Court of the Sa	E-MEAN	NE	SE	sw	NW		Presence
Alliaria potiolata	Garlic Mustard		4		2	1		X: yes
Amaria periolata								
	Common Privet	(shrub)						
Alliaria petiolata Ligustrum vulgare L. morrowii, L. tatarica		(shrub) (shrub)						-
Ligustrum vulgare L. morrowii, L. tatarica	Common Privet							-
Ligustrum vulgare L. morrowii, L. tatarica Phalaris arundinacea	Common Privet Bush Honeysuckles Reed Canarygrass							
Ligustrum vulgare L. morrowii, L. tatarica Phalaris arundinacea Phragmites australis (wetland	Common Privet Bush Honeysuckles Reed Canarygrass							
Ligustrum vulgare L. morrowii, L. tatarica Phalaris arundinacea Phragmites australis (wetland Polygonum cuspidatum	Common Privet Bush Honeysuckles Reed Canarygrass Phragmites		1				SK 10-17-12	
Ligustrum vulgare L. morrowii, L. tatarica Phalaris arundinacea Phragmites australis (wetland Polygonum cuspidatum Frangula alnus	Common Privet Bush Honeysuckles Reed Canarygrass Phragmites Japanese Knotweed	(shrub)	1				SR(10-17-12	-
Ligustrum vulgare L. morrowii, L. tatarica Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum Frangula alnus Rosa multiflora	Common Privet Bush Honeysuckles Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn	(shrub)	1				SR 10-17-12	
Ligustrum vulgare L. morrowii, L. tatarica Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum Frangula alnus Rosa multiflora Typha angustifolia, T. x.glauca	Common Privet Bush Honeysuckles Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn Multiflora Rose	(shrub)	1			- 5	SR 10-17-12	-
Ligustrum vulgare L. morrowii, L. tatarica Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum Frangula alnus Rosa multiflora Typha angustifolia, T. x.glauca Cirsium arvense	Common Privet Bush Honeysuckles Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn Multiflora Rose Cattails (wetland)	(shrub)	1			- 5	SR 10-17-12	
Ligustrum vulgare L. morrowii, L. tatarica Phalaris arundinacea Phragmites australis (wetland) Polygonum cuspidatum Frangula alnus Rosa multiflora Typha angustifolia, T. x.glauca	Common Privet Bush Honeysuckles Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn Multiflora Rose Cattails (wetland) Canada thistle	(shrub)	1	1		- 5	SR 10-17-12	

Note: For Ground-cover plants record "stem #" but in comment field describe # of colonies and patch size (S,M, L)

•	FORM B-1: BUFFER SAMPLE PLOTS (Front)  Site ID: PLAPS 12 19  DATE: 0 6 1 2 0 1 2 0 1 2																					
Site I	D:	ZA	PL	3e1	21	9		1)							DATE	06	120		20.	1	7	
Location	on:						The same		Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ıld not be	sample	ed and	flag	<b>→</b>		
O AA	Center	C	N	0	S	01	E C	W		lot 1			Plot			Plot 3			TV .	713		
								s; E = Evergre		уре: В	= Bro	adlea	N = 1	Veedle	e Leaf. /	Absent: No tree oderate(10-40		vy (40-75	i%); 4 = 1	√ery H	eavy (	>75%)
Buffer	Canop	у Тур	e: <b>(</b>	) (	) A	bsen	t: O	Buffer	Canopy	у Тур	e: 🕝	) (	) At	sent	: O	Buffer	Canopy	Type: (	<u> </u>	) At	sent	: O
Plot 1	Lea	f Typ	e: 🥌	(			Flag	Plot 2	Lea	f Typ	e: (8	) (			Flag	Plot 3	Leaf	Type: (	① (C	)		Flag
Big Trees (>	0.3m DBH)	0	0	2		0	1	Big Trees (>	0.3m DBH)	0	0	0	0	<u>O</u>		Big Trees	(>0.3m DBH)	$\odot$	0	3	0	
mall Trees (<	0.3m DBH)	0	0		0	0		Small Trees (	<0.3m DBH)	0	0	0	3	<b>O</b>		Small Trees	(<0.3m DBH)	0	0 0	0	0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0		0	0	0		Woody Shrub (0.5rr	s, Saplings +5m HIGH)	0	0	2	0	0			bs, Saplings m-5m HIGH)	0	0	3	0	
Woody Shrubs (<0.	, Saplings .5m HIGH)	0	9	2	0	0		Woody Shrub (<0	s, Saplings ).5m HIGH)	0	0	2	0	0		Woody Shru (<	bs, Saplings 0.5m HIGH)	0	00	0	0	
Herbs, F	orbs and Grasses	0	<b></b>	0	0	0		Herbs, I	orbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	
Bare	ground	0	0	0	0	0		Bare	ground	0	0	2	0	0		Bar	e ground	0	0	0	0	
Litt	ter, duff	0	0	2	3	0		Li	tter, duff	0	0	0	0	0		L	itter, duff	00	00	0	0	
	Rock	<b>®</b>	0	0	0	0			Rock	0	0	2	0	0			Rock	00	0	0	0	
	Water	<b>@</b>	0	(2)	0	0			Water	0	Ō	0	0	Ō			Water	00		0	0	
	bmerged		0	(2)	0	0			ubmerged egetation	0	$\overline{\odot}$	(2)	<u> </u>	$\overline{\odot}$			Submerged	00		<u></u>	$\overline{\odot}$	
	send	_	Confi	rm that				resen	e and		unfilled					is bul		0				
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble  Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressor															sors							
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	it - Plot	1	2	3	Flag
Road - gra	ivel	W.		0	0	0		Ditches, C	hanneliza	ition		0	0	0		Pasture/Ha	у		0	0	0	
Road - two	lane		Hazi.	0	0	0		Dike/Dam/		Bed		0	0	0		Range			0	0	0	
Road - fou	ır lane	Paris.		0	0	0		Water Lev		l Stru	cture	0	0	0		Row Crops		U. U. U.	0	0	0	
Parking Lo	t/Pavem	nent		0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Field		RESTING	0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B				0	0	0		Fallow Field SHRUBS, TRE	d (OLD - GR	ASS,	0	0	0	
Lawn/Park	100			0	0	0		Freshly De		Sedim	ent	0	0	0		Nursery			0	0	0	
Suburban	Residen	tial	- 14	0	0	0		Soil Loss/F	Root Expo	sure		0	0	0		Dairy			0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	Р			0	0	0		Orchard			0	0	0	
Landfill				0	0	0		Inlets, Out		RE		0	0	0	,	Confined A	nimal Fee	ding	0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	R STORM	VATER	)	0	0	0		Rural Resid	dential		0	0	0	١
Trash				0	0	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit			0	0	0	
Other:				0	0	0		Other:	12-1-11			0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:	teriories			0	0	0		Other:			0	0	0	
Indus	strial D	evelo	opmo	ent S	Stres	sor	5				Ph.	1	labit	at/V	egeta	tion Stress	ors					
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	lot	1	2	3	Flag	Fill bubb	le if prese	ent - Plo	ot 1	2	3	Flag
Oil Drilling				0	0	0	l	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	ub Cutting	)	0	0	0	
Mine (surfa	ace)			0	0	0		Tree Planta	tion			0	0	0		Trails			0	0	0	
Mine (unde	erground	1)		0	0	0		Tree Canop	y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H		My/s	0	0	0	
Military			31	0	0	0		Shrub Laye		d	10000	0	0	0		Offroad veh		ge	0	0	0	
Other:				0	0	0		Highly Graz (OVERALL <3*	ed Grass	es		0	0	0		Soil erosion		ID, WATE		0	0	
Other:		and the first	13	0	0	0		Recently Bu		est		0	0	0		Other:	-		0	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)	rned Gra	sslar	ıd	0	0	0	1000000	Other:			0	0	0	
	g codes:	K = N	lo me			made		uspect meas				= mis	a. flag	s assi	igned b	y each field cr	ew.	24	2816			7
Bu	uffer San	nple F	Plots	05,	/27/:		iain all f	lags in comm	ent sectio	n on t	he ba	ck of	this fo	m				24	70T0	J J U 4	1	

	FORM B-1: BUFFER SAMPLE PLOTS (Front)  Reviewed by (initial):  DATE: 0612012																				
Site I	D:	PCA	PI	3e	12	19									DATE	06	12012	0	1:	2	
Locatio	on:	Na.	3					de la la	Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ıld not be	sampled and	flag -	<b>→</b>		f
OAAC	Center	•	N	0	S	01	E 0	W	OF	lot	1	01	Plot	2	OF	Plot 3					8
								s; E = Evergre		уре: Е	B = Bro	oadlea	, N = 1	Needle	e Leaf, A	Absent: No tree oderate(10-409	e canopy. %); 3 = Heavy (40-75%	( <sub>0</sub> ); 4 = \	/ery H	eavy (	>75%)
Buffer	Canop	у Тур	e: 🕼	) @	A	bsen	t: O	Buffer	Canop	у Тур	e: <b>(</b>	) (	) AI	osent	: 0	Buffer	Canopy Type:	) (E	) At	sent	: 0
Plot 1	Lea	f Typ	e: 🕒	) (			Flag	Plot 2	Lea	f Typ	e: <b>(</b>	) (	)		Flag	Plot 3	Leaf Type:	<b>D</b>	)		Flag
Big Trees (>	0.3m DBH)	0	0	2	<u> </u>	<b>(</b>		Big Trees (>	0.3m DBH)	0	0	2	0	0		Big Trees	(>0.3m DBH)	<b>(</b>	0	0	
imall Trees (<	0.3m DBH	0	0		0	0		Small Trees (	<0.3m DBH	0	0	2	<b>(</b>	0		Small Trees	(<0.3m DBH)	0		0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	9	0	2	<u> </u>	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	①	0		Woody Shrub: (<0	s, Saplings .5m HIGH)	0	<b>@</b>	2	0	0		Woody Shru	bs, Saplings 0,5m HIGH)	0	0	0	
	orbs and Grasses	0	<b>(2)</b>	<b>②</b>	0	0		Herbs, I	orbs and Grasses	0	<b>@</b>	2	0	0		Herbs,	Forbs and Grasses O C	<b>(3)</b>	<u> </u>	0	
	ground	<b>(4)</b>	0	<u>②</u>	0	0		Bare	ground	0	<b>(3)</b>	2	0	0		Bar	e ground 💿 🅞	2	0	0	
Litt	ter, duff	0	0	(2)	0	<b>(S)</b>		Lit	ter, duff	0	0	0	0	<b>(3)</b>		L	itter, duff 💿 🕡	0	0	<b>6</b>	
	Rock	<b>3</b>	0	2	0	0		V.	Rock	<b>(</b>	0	2	0	0			Rock	2	3	0	
	Water	(	0	(2)	0	0			Water	<b>③</b>	0	0	0	0			Water 🔵 🕦	0	0	0	
	bmerged egetation		0	2	<u> </u>	0			bmerged egetation	<b>③</b>	0	2	0	0			Submerged Vegetation	2	0	0	
Vegetation Vegetation Vegetation Vegetation Vegetation														is but	ble.	0					
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble.   Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																					
ill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gra	vel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	у	0	0	0	and are constituted.
Road - two	lane			0	0	0		Dike/Dam/ (IMPEDE FLO		Bed		0	0	0	-	Range		0	0	0	
Road - fou	ır lane			0	0	0		Water Leve	el Contro	l Stru	cture	0	0	0		Row Crops	NEW STAR	0	0	0	
Parking Lo	t/Paven	nent		0	0	0		Excavation	, Dredgir	ng	-	0	0	0		ROW CROP FIELD		0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B				0	0	0		Fallow Field SHRUBS, TRE	d (OLD - GRASS, ES)	0	0	0	
Lawn/Park			Z	0	0	0	-	Freshly De (UNVEGETAT		sedim	nent	0	0	0	1 4	Nursery		0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	Root Expo	osure		0	0	0		Dairy		0	0	0	
Urban/Muli	tifamily	H.		0	0	0		Wall/Ripra	P			0	0	0		Orchard		0	0	0	
Landfill		u Samuel		0	0	0		Inlets, Outl				0	0	0			nimal Feeding	0	0	0	
Dumping				0	0	0		(EFFLUENT O	R STORM			0	0	0		Rural Resid	iential	0	0	0	
Trash		ACCUSE.		0	0	0		(SHEETFLOW		Прос		0	0	0		Gravel Pit		0	0	0	-
Other:				0	0	0		Other:			_	0	0	0		Irrigation		0	0	0	
Other:		cellus.		0	0	0		Other:	1 -			0	0	0	T WAYN	Other:		0	0	0	
	strial D			ent S	tres											tion Stress					
Fill 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		2		Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se	0	0	0	
Gas Wells OOO								Forest Sele	ctive Cut			0	0	0		Mowing/Shr	ub Cutting	0	0	0	
Mine (surface)								Tree Planta		201		0	0	0		Trails Soil Compa	ation	0	0	0	
Mine (unde	erground	l) 		0	0	0		(INSECT)				0	0	0		(ANIMAL OR H		0	0	0	
Military	46,6			0	0	0	1	Shrub Layer	IESTIC)			0	0	0			icle damage	0	0	0	
Other:				0	0	0		Highly Graz	HIGH)		TEN,	0	0	0		OR OVERUSE)	(FROM WIND, WATER,	0	0	0	
Other:				0	0	0		Recently Bu Canopy				0	0	0		Other:		0	0	0	
Other:				0	0	0		Recentl Bu (BLACKENED)	rned Gra	ısslar	nd	0	0	0		Other:		0	0	0	
	<b>ag codes:</b> uffer Sar					Exp		uspect measi lags in comm							gned by	y each field cr	ew. 242	8168	3304		D

	FORM B-1: BUFFER SAMPLE PLOTS (Front)  Reviewed by (initial):  DATE: 0.6   2.0																					
Site	D:	PCA	IP B	e \2	19																2	
Locati	on:		Q.			300		AL CONTRACT	Fill	in b	ubb	le(s	) if p			uld not be		_			Γ	
OAAC	Center	C	N	0	s	<b>●</b> E	≣ 0	w	OF	Plot	1	0	Plot	2	OF	Plot 3						
										Гуре: Е	3 = Bn	oadlea	f; N =	Needle	Leaf.	Absent: No tree		vv (40-75	%); 4 = ¹	√erv H	eavv (	>75%)
Buffer	Canop	у Тур	e: 🥌			bsen	_	Buffer	Canop		_			bsent		Buffer	Canopy	- 111407			sent	_
Plot 1	Lea	f Typ		) (·			Flag	Plot 2	Lea	f Typ	e: 🙋	) (·			Flag	Plot 3	Leaf	Type: (			_	Flag
Big Trees (>	0.3m DBH)	0	0	0	0	<b>(2)</b>		Big Trees (	>0.3m DBH)	+=	0	2	0			Big Trees	(>0.3m DBH)	$\odot$	4	0		
mall Trees (<		1	0	<b>@</b>	0	0		Small Trees (		_	0	0	<b>③</b>	0		Small Trees		9	_	<b>(4)</b>	<u> </u>	grid.
<u> </u>	5m HIGH)	<b>③</b>	0	0	0	0			n-5m HIGH)	<u> </u>	<b>③</b>	0	0	0		(0.5	ibs, Saplings im-5m HIGH)			0	0	
	.5m HIGH)	0	<b>(4)</b>	2	0	0			0.5m HIGH)	9	<b>(</b>	0	<u> </u>	0			<0.5m HIGH)	$\odot$	-	0	0	
Herbs, F	orbs and Grasses	0		2	0	0		Herbs,	Forbs and Grasses		<b>(2)</b>	2	0	0		Herbs,	Forbs and Grasses	0	2	0	0	
Bare	ground	<b>3</b>	0	2	<u></u>	0		Bare	ground		0	2	0	0		Bar	e ground		0	0	0	
Lit	ter, duff	0	0	2	0			Li	tter, duff	0	0	2	0	<b>(</b>	,	L	itter, duff	00	0	0	(3)	
Rock ( ) ( ) ( ) ( ) ( ) ( ) ( )									Rock	•	0	2	0	0			Rock	0 6	2	0	0	
	Water 0 0 0 0								Water	<b>(4)</b>	0	0	0	0			Water	<b>9</b> 0	0	0	0	
	bmerged egetation	<b>(3)</b>	0	2	0	0			ubmerged /egetation	•	0	2	0	0			Submerged Vegetation	<b>6</b> C	0	0	0	
Stress	or Pres	senc	e/Ab	send	:e -	Confi	rm that	a filled data	bubble i	ndica	tes p	resen	ce an	d an i	unfilled	bubble indic	cates abse	nce by f	illing th	is bul	ble.	9
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble Residential and Urban Stressors  Hydrology Stressors  Agricultural & Rural Stress															sors	1911						
ill bubble	if prese	ent - i	Plot	1	2	3	Flag	Fill bubbl	e if pres	ent - l	Plot	1	2	3	Flag	Fill bubble	if presen	t - Plot	1	2	3	Flag
Road - gra	ivel	11110	y de	0	0	0		Ditches, C	hanneliz	ation		0	0	0		Pasture/Ha	ıy		0	0	0	
Road - two	lane			0	0	0		Dike/Dam/		R Bed		0	0	0		Range			0	0	0	
Road - fou	ır lane	8-7		0	0	•	ı	Water Lev		ol Stru	cture	0	0	0		Row Crops			0	0	0	
Parking Lo	ot/Pavem	nent		0	0	0		Excavation	n, Dredgi	ng	-	0	0	0		Fallow Field		RESTING	0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil E	Banks		VS.	0	0	0		Fallow Field	d (OLD - GR	ASS,	0	0	0	
Lawn/Park				0	0	0	2	Freshly De		Sedin	nent	0	0	0		Nursery			0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/I	Root Exp	osure		0	0	0		Dairy			0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	p			0	0	0		Orchard			0	0	0	
Landfill		iil.		0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding	0	0	0	
Dumping				0	0	0	!	Point Sour (EFFLUENT (	OR STORM	WATER	۲)	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:			0	0	0	
Indu	strial D	evel	opm	ent S	stres	SOT	5						Habi	tat/V	egeta	tion Stress	sors					
ill 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 prese	nt - Plo	t 1	2	3	Flag
Oil Drilling				0	0	0	1	Forest Clea	ır 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	,	0	0	0	
Mine (surface)								Tree Planta	ition			0	0	0		Trails	R.A.J.		0	0	0	
Mine (underground)								Tree Canor	y Herbiv	ory		0	0	0		Soil Compa (ANIMAL OR H			0	0	0	
Military O O O							Shrub Laye		d	98	0	0	0		Offroad veh		ae	0	0	0		
Other:		-		0	0	0		(WILD OR DOI Highly Graz	ed Grass	ses	3 34	0	0	0		Soil erosion	(FROM WIN		100000000000000000000000000000000000000	0	0	
Other:				0	0	0		(OVERALL <3" Recently Bi		rest		0	0	0		OR OVERUSE Other:			0	0	0	
									umed Gra	asslaı	nd	0	0	0		Other:			0	0	0	
Other: OOO ORRECTION Burned Grassland (BLACKENED)  Flag codes: K = No measurement made, U = Suspect measurement., F1,F2, etc. =															aned h	20000000000	rew.				7	
	uffer San					Exp		lags in comm										24	2816	<b>3</b> 04		

								1					-									
•			West		P	23	FOI	RM B-1:	BUFF	ER	SAI	<b>VIPL</b>	EP	LOT	S (F	ront)	F	Reviewe	d by (init	ial):		
Site	ID: f	PCF	$q \rho$	<b>P</b> > '	٥.	12	19								DATE	E 0.b.	120	, 1	2.6	. 1.	2	
Locati									Fill	in b	ubb	le(s	) if p	lot(s	s) col	ild not be	sample	d an	d flaç	$\rightarrow$	Т	
OAA	Center	0	N	•	S	OE	≣ 0	W	OP	Plot 1	1	0	Plot	2	OF	Plot 3						
								is; E = Evergre		Гуре: В	3 = Bro	oadlea	f; N = I	Needle	e Leaf. A	Absent: No tree oderate(10-409		vy (40-7	′5%); 4	= Very I	łeavy	(>75%)
Buffer	Canopy	у Т <b>у</b> р	e: 何	( [	) AI	bsen	t: O	Buffer	Canopy	 у Тур	e: <b>(</b>	) (	) AI	bsent	t: ()	Buffer	Canopy	Type:		A (3	bsent	t: ()
Plot 1	Lea	f Typ	e: <b>1</b>	•			Flag	Plot 2	Lea	f Typ	e: <b>(</b>	0	5		Flag	Plot 3	Leaf	Type:	0	<u> </u>		Flag
Big Trees (>	•0.3m DBH)	0	0	(2)	0	0		Big Trees (>	•0.3m DBH)	0	0	0		0		Big Trees	(>0.3m DBH)	0	0 0		0	
imall Trees (<	<0.3m DBH)	0	0	0		0		Small Trees (	<0.3m DBH)	0	0	0	•	0		Small Trees	(<0.3m DBH)	0	<b>①</b>	0	0	
Woody Shrubs (0.5m	s, Saplings -5m HIGH)		0	•	0	0		Woody Shrubs (0.5m	s, Saplings 1-5m HIGH)		•	0	0	0			ubs, Saplings im-5m HIGH)	0	9 (	0	0	
Voody Shrubs		0	•	0	0	0		Woody Shrubs		0		0	0	0		Woody Shru		0	9 (	0	0	
Herbs, F	orbs and Grasses	0	0	0	0	0			Forbs and Grasses	0		0	3	0		Herbs,	Forbs and Grasses	0	9 (	0	0	
Bare	ground	•	0	0	0	0		Bare	ground	0	0	0	0	0		Bar	re ground		0 0	0	0	
Lit	ter, duff	0	0	0	0			Lit	tter, duff	0	0	0	0	•		L	itter, duff		0 0	0	0	
-	Rock	0	0	<b>②</b>	0	0		19	Rock		0	<b>②</b>	0	0			Rock	• (	<b>D</b>	0	0	1
	Water		0	0	0	0			Water	•	0	0	3	0		T. J. p.	Water		0 0		0	
	ubmerged egetation	•	0	<b>②</b>	0	0			ubmerged egetation		0	0	0	0			Submerged Vegetation	• (	0	0	0	
17-17-17-17		sence	e/Ab	senc	:e - (	Confi	rm that			ndica	tes pr	resen	ce an	d an	unfilled			nce by	filling	this bu	bble.	0
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble research and Urban Stressors  Hydrology Stressors  Agricultural & Rural Stre															Stres	sore	5					
ill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if presen	t - Plo	t 1	2	3	Flag
Road - gra	avel			0	0	0		Ditches, CI	hanneliza	ation		0	0	0		Pasture/Ha	ıy		C	0	0	
Road - two	alane	H.		0	0	0	y -	Dike/Dam/		Bed		0	0	0	H 1	Range			C	0	0	
Road - fou	ır lane			0	0	0		Water Leve	el Contro	l Stru	cture	0	0	0	3-	Row Crops	RESUM		C	0	0	101 11
Parking Lo	ot/Pavem	ent		0	0	0		Excavation	, Dredgir	ng		0	0	0	12	Fallow Field ROW CROP FIEL	D)		3 C	0	0	2
Golf Cours	se			0	0	0		Fill/Spoil B		2 - 1'		0	0	0		Fallow Field SHRUBS, TRE		SS,	C		0	
Lawn/Park	(		18	0	0	0	9 (	Freshly De (UNVEGETAT	ED)	THEFT		0	0	0		Nursery			C		0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	The second second	osure		0	0	0	- 1	Dairy			C	-	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra			1,000	0	0	0		Orchard			C		0	
Landfill	- P.O.J.			0	0	0		Inlets, Outl			Mark III	0	0	0		Confined A Rural Resid		gnit	C		0	
Dumping				0	0	0	- 1	(EFFLUENT O	OR STORMV	VATER input	1)	0	0	0		Gravel Pit	Jenual		C	-	0	
Other	1074					0	1	Other:				0	0	0	$\vdash$	Irrigation			C		0	
Other:				0	0	0		Other:			=	0	0	0		Other:					0	
	otriol D	aval.			RETURN			Outon a				1200	20000	11100	ogoto			4 60		10		
310	strial Do	BROVE				50000										tion Stress				1		
Fill bubble		ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	lot	1	2	3	Flag		le if prese	nt - Pl	-		3	Flag
Oil Drilling				0	0	0		Forest Clear				0	0	0		Herbicide U			C		0	
Gas Wells				0	0	0		Forest Selec	ctive Cut			0	0	0		Mowing/Shr	rub Cutting		C		0	
Mine (surf				0	0	0		Tree Plantat		ony		0	0	0		Trails Soil Compa	ction		C		0	
Mille (driderground) (insect)												0	0	0		(ANIMAL OR H			C		0	
Military (WILD OR DOMESTIC)												0	•	O		Offroad veh		475	C	0	0	
Other:				0	0	0		(OVERALL <3"	HIGH)	~~~		0	0	0		Soil erosion OR OVERUSE)		D, WATE	K, C		0	
Other:				0	0	0		Recently Bu Canopy				0	0	0		Other:			_ C	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)	irned Gra	isslar	ıd	0	0	0		Other:			_   C	0	0	
● Fla	ag codes:	K = N	lo me	asure	ment			uspect measu lags in comm							igned by	y each field cı	rew.	2	4281	5830	4 (	
Bı	uffer San	nple F	Plots	05	/27/2														100		and to	Maria.

							-															
•						134	FO	RM B-1:	BUFF	ER	SAI	MPL	ΕP	LO1	rs (F	ront)	Review	ed by (in	ial):		•	
Site	ID: P	CA	PP	e	12	19		7/64	DATE: Obland													
Locati	on:							Fill in bubble(s) if plot(s) could not be sampled and flag →														
OAA	Center	C	N	0	S	01	E @	W														
								s; E = Evergre		уре: Е	3 = Bn	oadlea	f; N =	Needl	e Leaf. /	Absent: No tree oderate(10-409	e canopy. %); 3 = Heavy (40-	-75%); 4	= Very	Heav	y (>75%)	
Buffer Canopy Type:			e: 🕼	Absent: (			t: ()	Buffer	Canopy Type:			) (	) AI	Absent:		Buffer	Canopy Type	: @		Abse	nt: (	
Plot 1	Leaf Type:		0		Flag		Plot 2	Leaf Type:		N	5		Flag	Plot 3	Leaf Type: @		Ö		Flag			
Big Trees (>	0.3m DBH)	0	0	(2)		0		Big Trees (>	·0.3m DBH)	0	0	0		0		Big Trees	(>0.3m DBH)	0		0		
small Trees (<0.3m DBH)			0	<b>(</b>	0		Small Trees (	<0.3m DBH		0	<u>(1)</u>		<u></u>		Small Trees	(<0.3m DBH)	00	-	_	+		
Woody Shrubs, Saplings (0.5m-5m HIGH)				0	0		Woody Shrub	s, Saplings -5m HIGH)	0	Ø		0	<u></u>			ubs, Saplings im-5m HIGH)	0		+ -	-		
Woody Shrubs, Saplings			0	0	Ō		Woody Shrub	s, Saplings	0	0	Ō	0	<u> </u>		Woody Shru	bs, Saplings 0.5m HIGH)	9		+ =			
Herbs, Forbs and		<u>(1)</u>	0	Ō		(<0.5m HIG Herbs, Forbs a		Õ	0		ŏ	$\frac{\circ}{\circ}$			Forbs and	0	$\overline{}$	_	_			
Bare ground ①		0	0	Ö		0:43363		0	0	2	0	$\frac{\circ}{\circ}$		Bar	e ground	0 0		+ =	-			
		Ō	0	0			1 12		0	0	0	0			Litter, duff 0 0				-	_		
	Rock	0		0	0	0			Rock	6		0	0	<u>O</u>		_	Rock (2)	0	-	_	_	
	Water		0	0	0	0		10.	Water		0	0	0	$\frac{0}{0}$			Water 🚳	00		+-	+	
	ubmerged	A TOTAL	0	0	0	0			ubmerged		0	<b>a</b>	0	$\frac{0}{0}$	<u> </u>	5	Submerged Venetation					
	egetation			_	_		rm that		egetation	ndica	$\sim$			_	unfilled			Oliga				
THE STATE OF			0.4			li de la constante de la const	IIII ulat	a filled data bubble indicates presence and an unfilled														
Residential and Urb				Ι			Et a s			lydrology Stress						Agricultural & Ru Fill bubble If present - Plot			2	-	Т	
Fill bubble if present - Plot			1	2	3	Flag	Fill bubble if present - Plot			1	2	3	Flag					3	Flag			
Road - gravel				0	0	0		Ditches, Channelization Dike/Dam/Road/RR Bed			0	0	0		Pasture/Ha	ıy						
Road - two lane			0	0	0		(IMPEDE FLOW)			0	0	0		Range				200				
Road - four lane			0	0	0		Water Level Control Structure			-	0	0		Row Crops	allow Field (RECENT-RESTING				_			
Parking Lot/Pavement			0	0	0 0		Excavation, Dredging Fill/Spoil Banks			0	0	0		ROW CROP FIELD) Fallow Field (OLD - GRASS,					-			
Golf Course Lawn/Park			0	0	0		Freshly Deposited Sediment			0	0	0		SHRUBS, TREES) Nursery				+				
Suburban Residential				0	0	0	!	(UNVEGETATED) Soil Loss/Root Exposure			0	0	0		Dairy			-				
Urban/Multifamily			0	0	0		Wall/Riprap			0	0	0		Orchard				-	_			
Landfill			0	0	0		Inlets, Outlets			0	0	0		Confined Animal Feeding			0		_			
Dumping				0	0	0		Point Source/Pipe			0	0	0		Rural Residential				-	Side Side		
Trash				0	0	0		(EFFLUENT OR STORMWATER) Impervious surface input (SHEETFLOW)			0	0	0		Gravel Pit				-	01		
Other:			CHILLE	0	0	0		Other:				0	0	0		Irrigation		(			100	
Other:				0	0	0		Other:				0	0	0		Other:					_	
Industrial Development Stressors											ors				Right							
Fill bubble if present - Plot				1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if present - F	Plot 1	2	3	Flag	
Oil Drilling			519	0	0	0		Forest Clear Cut			0	0	0		Herbicide U	se		C	C	)		
Gas Wells			1	0	0	0		Forest Selective Cut		0	0	0		Mowing/Shr		C		+				
Mine (surface)				0	0	0		Tree Plantation		0	0	0		Trails					+			
Mine (underground)				0	0	0		Tree Canopy Herbivory			0	0	0		Soil Compaction				+-	-		
Military				0		0		(INSECT) Shrub Layer Browsed		100	Test of	•		(ANIMAL OR HUMAN)				3				
					0			(WILD OR DOMESTIC) Highly Grazed Grasses		0 0	0			Offroad vehicle damage Soil erosion (FROM WIND, WATER,					-			
Other:			_	0	0	0		(OVERALL <3" HIGH) Recently Burned Forest			0	0	0		OR OVERUSE)			0		6		
Other:			0	0	0		Canopy Recently Burned Grassland			0	0	0		Other:			) (	8				
Other:			0	0	0		(BLACKENED)				0			Other:		_  _	C	C				
						Exp	a, $U = Slain all f$	uspect meas: lags in comm	rement., ent sectio	F1,F2 on on t	2, etc. the ba	= mis	c. flag this fo	s assi	Igned by	y each field cr	rew. 2	4281	6830	)4		
В	uffer San	nple l	lots	05	/27/	2011	-			1	HI F		10-10-	n n								