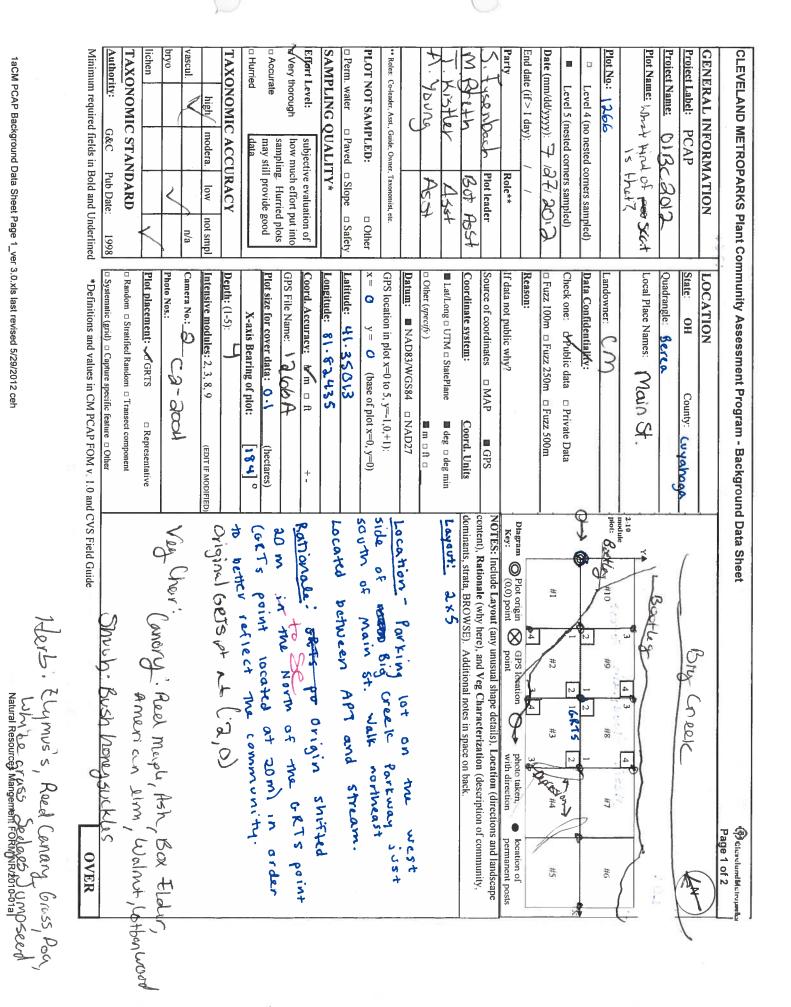
CLEVELAND MET	ROPARKS Plant Community Asses				© Cieveland Metroparks
Project Label:	PCAP	_ Plot No	1266	Date Sampled:	7-27-12 Lead: Ey sent
			==-	Comment requir	red if item answer is NO
Parking/Access outsid	e of Park Boundaries:	Y (N)	If yes wi	rite details in Comm	
Field journals complet		(Y) N	111) C.S., W.	ne dealis in conn	iona section below
Site sketch made on 1:		O N			
Check cover page	X-axis Bearing of plot recorded	Gy N			
one over page	GPS coords. Recorded	(Y) N			
	North direction recorded	Y N			
	Photographs taken?	M N			
Plot No., Date agreem		N			***
Header data completed		CM N			
	I in all Intensive modules	Y N			
Browse Level By Spec		(V) N			
Woody stem quality co		Q N			
nvasive plant quality		₩ N			
Ash trees mapped		YN	NI	1	
Cover by Strata? (conf	irm cover type)	Ý N	- //		1.6
	with matching plot #.	(V) N			
	atasheet with initials and number	(V) N			,
ouchers labeled on co		(Y) N			
ink flags removed	oneonon oug	(Y), N			
Data sheet QA before	leaving site?	Y) N		*	
Common equipment re		YN			
Data sheets scanned?		8-9-17	Enter date	e to left TP	
inal data sheets scann	ed?	101.0	Enter date		
Buffer Widths measure		(Y) N	161	7-3-12	*
Veb Soil Survey		Ø N	TK	7-27-1	7
oucher Location	Refrigerator	Y N			2
# vouchers collected)	Press (#)		Enter nur	nber to left	
	Drier	Y N			
	Identified	N N			
	Mounted	YN			
	Thrown away	Y N			
· · · · · · · · · · · · · · · · · · ·	Timown away	1			
TOTE point sprifted	ion: Is plot sampleable?				
Yes	Original GRTS point is sampleable				
1994			31112	a baland	
n No	Original GRTS point lands in a non-s Point falls in a water (i e river, la	714	iii iii categ	or A Delow.1	
	Managed mowed area (i.e. golf of a golf o	No. 20 No.	ht-of-way)		
	□ Paved area (i e parkinglot, road)				
	Unsafe to sample (i e steep slope))			
	Other				
dditional Comments	S:				1
					_
		.7			
					4



Japhy My Mac CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Cleveland Matroparks Total modules: Project Label: S H (F)(A) Br 6 280 と Recoggina M CAYR Frakious Sindle 1 Bidura Palygonum piraianum Pag Trivialis JUSI MA COUL SO UM describe amount of browse per species over Porulas in also 202 Acur nogundo cxt coclend ron una turi um long a runding a BUCKTUM Br = Browse Level. Use cover classes to Varcus praus SUMPI Canachass Den zoi (add at a later if long Dumile Je o ellino ripuria Species PCAP Canceli ammomum MUS OUT TWM V Sepollines [Get i Can %unveg. ground (bare soil) Intensive modules: %unvegetated open water intensive module: Estimate for each 田でママン SRE %unveg. litter (bare litter 3 Project name: DISCOID Voucher# %open water R V بو עפן W \mathcal{O} 4 دو Plot configuration: Ū r 0 COV 4 T S 90 6 Plot no.: 1266 A U 1 ンメン 20 2 Plot area (ha): D COV I 2 Page of ي 5 U COV cov | depth mod a ال S depth depth mod æ COV phicute

Natural Resource Management FORM NR/2010-02a

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

rainy shed H 2aCM PCAP Species Cover Data sheet Page 1 of x_ver 3.xls last revised 5/29/2012 ceh CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Cleveland Metroparks Total modules: Project Label: U I ഗ U | H |(F)|(A)| **Вг** ٥ رو 3 Carex Poaceace -yamachia ulita Tuchans Myra Cicc osco touxinus Alliania Kosa multiflora Tonsola valganz Langere Parthonoxissus Silva Rumax obtusifolia Ation ntobonia mpatians describe amount of browse per species over 20 DX Longera Br = Browse Level. Use cover classes to irisclanding tulipher erb; sina ONICLIC outy is S KW Strretu Species entire plot petiblata PCAP panadin morrow ute Hana (Se od lines Markey \$ 2000 CA row many alternifolic ancialans John Cabl canaders (tree DU TO LIES 300 O %unveg. ground (bare soil) Intensive modules: intensive module: Estimate for each %unvegetated open water %unveg. litter (bare litter) SKE 587 Project name: () 1B (2012) Voucher # %open water depth mod comer T 2 W D C COV COV 2 depth depth 7 T тос Plot configuration: 2 Q D _ 00V COV 2 S 2 (1 N 4 Plot no.: 1266 COV 604 2 Bott S W دو 60 P Natural Resource Management FORM NR/2010-02a cov depth 1 604 W depth 1 05 mod Plot area (ha):() / Ø) 🖥 007 200 T depth 1 Page of 3 U 8 6 30 cov | depth 5 depth 2 mod D لل 604 COV depth depth mod comer COV δ S

कुल

(NEW)

Wither

32qCMPCAP Species Cover Data sheet Page 1 of x_ver 3.xls last revised 5/29/2012 ceh CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Cieveland Metroparks Total modules: Project Label: S H (F)(A) Br دو യ ≪ Bohamara (antalous 50. - Lympy CARRO SCALCOOL SCALCOOL Hesperis nelphotous 1 habitery m Macwag いしていい Kanunculus Swill beautiful aportes halens announced describe amount of browse per species over WWW MKnown mpor mes ahex tribulates 1035.0 mg Br = Browse Level. Use cover classes to 500 3-4 BA रोप्रह्मी The series SOW Uncus effusus Jewatra cordiflor us Species mutionalis entire plot chellof dis ciment cam recuber Chilippays hysteris 2000 triphyllum Canadansis Calindritus DOMITANIA The prins pobligation publications mon X 500 500 Intensive modules: %unveg. ground (bare soil) SRE STA Derajo Granber 1827-59t %unvegetated open water intensive module: Estimate for each Sacor %unveg. litter (bare litter) triphu はららられ 300 Project name: <u>0/8(20/</u>2 Voucher# %open water Mush S-20-80 工 depth Poll corner cov depth 7, COV depth n mod Plot configuration: 8 COV depth Plot no.: 1266 W COV COV depth depth mod corner COV 90 depth DOM: Natural Resource Management FORM NR/2010 Za W 8 cov | depth depth Plot area (ha): COV COV depth W S U cov | depth N COV r comer 2 60 depth depth E PORT IJ 8 COV Spacies マママン Duplicate 353

Sacchuran

ع 8 عا CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 0 Acer negundo Vitis cipacia Lirioden dram tulipara Lonicera omackii Rosa anultiflora Liciogendron toliphran purchasecuss svingue file Lonicesa macrowin Lonicera munchi ALES regundo Vitis ripacia Ulmus americana Carthenacissus gunque folia Texticollendron radicans Acer cubrum Liciodentan tuliphoa Standing dead Standing dead Lonicera moackii Standing dead Lindra borzoin COCNUS UMMONNUM Acer negundo LONICECA MOCROWII Project Label: _ PCAP 区区区 9 # stems browsed 0-1.4m or super % sub sample | clumps Project Name: Of BL 2012 以风风 shrub # 9 9 T. size class (cm) woody stems >1.4m 0-<1 1-<2.5 . 0 2.5-<5 Plot No.: 1266 5-<10 0 0 10 - <15 . 0 15 - <20 20 - <25 Page: | 25 - < 30 30 - <35 으 © Gleveland Metropaiks 35 - <40 5.65 44.2 51.0 >40 (record each tree) $\stackrel{\rightharpoonup}{=}$

		Project Label:	<u> </u>	PCAP		Projec	Project Name: C		Project Name: Ol &C aOla	•	Plot No.:	PIOL No.: 1266		Page:	ی	of	Constant Color	Cleveland Metroparks
		Explain subsample (additional room on back):	on back	K):														
					# stems	% sub	*	size class	size class (cm) woody stems >1.4m	dy stems	1.4m	,	,		,	,	í	:
	mod #	# species	o	voucher#	browsed	sample	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)
(vi	Acer 1				_				11 1	0		0	7	H			
<	N	B																
2	H	Rosa multiflax			0		0						.*S*******					
1	7	Acer negundo			•						0 0	00	0					
2	1	Lonicera mauchi			Z		Z									e j		
1	4	Standing dead					A Line				•							
	7	Vitis cipacia						36 146			0					- \h		
00	4	Lindera bunzoin			0		6											
<	T	Fraxinus Sp.		5 8				7-										9.65
2	4	Juglons nigra									0							
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2	N	Lonicera magckii			TIM		M											
1	5	fraxinus sp																52.3
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4	9				0 1													
<	e.	LONICON MUACKII			い。図		区。											
<	6	Acer regundo			0	29.70	(tro			0	9	•		•				
1	6	Travian S Prophing	7		34.00	J.00.	1			٥					and the			
0	6	Pinus shoobus																9.54
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<	4	Lindera benzoin																
<	5	standing dead															•	

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

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2	<u>&</u>	00	4	03	<u>د</u>	4	۲,		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8	4	4	<	七十		t	< Li	<	1:	4		6	noo	I & Or	
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Lindra benzoin	Rosa multiflora	fraginus sp.	indera benzoin	igustrum vulgare	Carthenacissus quinquefolia	and i)	atac	Actodonation tuliphica	Aver regundo	Lonicera maackii	Rosa multiflora	Lonicera maackii	atae	Vitis cipacia	Lindera benzoin	200	Standing dead	Maria	120	Aces saucharum	Frankly	Cratacous sp	Aler S		AND I
2	mult d	2 (1	Į,	CAN.	SUS OF	0	200	don'	Sing	Jun x	au/h	M C	200	CIPAC	0,0	Real	B.	POX	200	acch	20	au's	acch	species	METRO
10201	20	9.	76057	vilgo	Much	es.	SP.	2/10	0	lacks	Pora	aack		a	25030	ado	dead	pomifica	7	ac un	sp.	98	Saccharum	S.	Project additiona
2				50	116			fire							5			8		7					/ELAND METROPARKS Plant Con Project Label: P Explain subsample (additional room on back)
EVS.																			H		1			6	P(
																								voucher#	PCAP
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• •	•			08						20	6	101							H		\parallel		#		ent Program Natural Woody Project Name: 0160000
6 D			i							区区	Ľ	X							Ц			6.0) B	ram Name:
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				- 73	9 9	0	00									00	9					00		2 1-<2.5	Vatural Woody Stem Data S. OlbC 2012 Plot Plot Plot process (cm) woody stems > 1 4m
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								4											1					11 >40 (record each tree)	boganks
														400									Ľ	tree)	

\$ 2 10 ALES rubrum 10 Fracion Using 0 3 10 ō 0 2 3 10 Ulmus Emericana 10 Rosa multitura ō 10 Aces negundo Liriadensian toliphia Lontiera musicii Rosa multifloor Partherocissus quinquetaka querous alba Toxicodendan radican Longer morrow ! Linder prozon fraxinus sp Acer rubrum Prunus serotina Acer negando Explain subsample (additional room on back) Stranding dead Ulamus americana Lanicea moacki Loniced morrowin 0 M 00 区 # stems Z, browsed 0-1.4m or super % sub shrub # size class (cm) woody stems >1.4m 9 1-<2.5 X 10 - <15 30 - <35 35 - <40 10 43.4 13 >40 (record each tree) #

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: __

PCAP

Project Name: 0/80 202

Plot No.: 1266

Page: 4

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

Project Label: PCAP Project Name: 0/8(20/2)

Plot No.: 1266

(C) Of several of Metro parton Page: 1 of 1

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

			Wodule #
			C7
	1		Corner Corner
			Corner

CLASSIFICATION		
(FIT = excellent, g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
o DEPRESSION	=== 	Conf=
o IMPOUNDMENT o Beaver o Human	7	Conf=
□ RIVERINE □ Headwater □ Mainstem □ Channel	Fi 	Conf=
□ SLOPE (ground water hydrology or on a physical slop)	Fire 	Conf=
□ FRINGING □ Reservoir □ Natural Lake	F(#	Conf=
o COASTAL (specify subclass)	Fir	Conf=
BOG (strongly, moderately, weekly ombrotrophic)	Fit	Conf=
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	STATE STATE	S
□ FOREST □ swamp forest □ bog forest □ forest seep	FIFE	Conf=
CHRID of shruh swamp of tall sh has of tall sh fan	1	?
and the same of th	-111	Com-

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) Panks for microhabital features. Select one or select two and everage the score NOTE: If mod falson 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 welland
- 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

	Tri		9	00	3	2	mod#						
			١	١	١	١	corner						_
			Ø	Ø	0	Ø	(count)	lxlm	depth 3		tussocks	no. of	
			Ø	B	Ø	Ø	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no, of	
			7	W	W	~	(count)	10x10m	depth 1		depressions	по. тасго.	
			19	12		77	(count)	10x10m	depth 1		(2-12 cm)	c,w,d	c.w.d count
			ら	S	c.	W	(count)	10x10m	depth 1		(12-40cm)	c.w.d	for pieces with r
			0				(count)	10x10m	depth 1		>40 cm	c.w.d	c.w.d count for pieces with minimum 1m length
			W	3	ιv	2	(rank)	10x10m	depth 1		interspers.	microhab.	
			Ø	0	S.	Ø	(rank)	10x10m	SLOPE			microhab.	

Landform Index (position within landscape) Terrain Shape Index (site microtopographic shape) +315 degrees

WN

+225 degrees

SW

recorders eye to eye of person standing ~10 m

angle from

away.

angles formed by local slopes. For TSI measure

LFI is angle of plot to the horizon. TSI is

+270 degrees

¥

+180 degrees

+135 degrees

SE

+45 degrees +90 degree:

Æ

At aspect

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

9	œ	w	2	Module
7	10	81	e.	2
9	17	12	S	s
14	15	11	2	rs
12	77	7	0	W

NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.

Page: 1 of 1

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

Soli pit module # A (one per entire plot) matrix color 10 YR 3/2

20 cm 6 cm matrix color texture* hydr cond *** oxid roots edox features** mottie ' nottle color ottle color 200 NΑ ELN ELN NA I S M Z

texture* redox features** oxid roots mottle 24 2

hydro. cond.*** 1 8 M (b)

*** Circle one: ** e.g. hydrogen sulfide odor, gleying, etc. refer to texture classes on reverse side

=indundated S=saturated M=moist D=dry

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

D cashings

SOIL SAMPLES Standard procedure: collect a soil sample of the top 10 cm of soil from center of each untensive module and composite the sample

Soil Series Type: Ch, Chagin S! + loain Soil Collection Moduld Horizon (A, B, C) Soil Series Source: Ohio Soil Survey Depth to rest. Layer: andform type: Flord Nam 2,3,8,9 composited arent Material 41100m 780 Inches

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

Impermeable surface

アイナースオール

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

2 0 0	3 12 1.2 9	2 0,4 0,4 0	l litter+ organic depth 2 litter water a mod# (cm) depth (cm) (cn
2 9		2, 4 Ø	2 litter water depth pth (cm) (cm)
130	!	730	depth sat soil (cm)

EARTH SURFACE & GROUND COVER	Surface*	Ground Cover	14.1
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	Q	Coarse Woody Debris***	B
Mineral Soil	J. 19.	Fine Woody Debris***	5
Gravel-Cobble*	+	Litter	Z
Boulder**	Ø	Duff (Ferm.+ Humus)	Ø
Bedrock	9	Bryophyte- Lichen	Ø
* Gravel-Cobble = 1/16-10"	= 1/16-10"	Water	0
**Boulder = > 10 in	in	Bare Soil	Z
*** >5 cm in diameter	neter	Road/Trail	Z
**** <5 cm in diameter	meter	Other	0

Submersed, most plant mass below surface SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.	rooted and floating or slightly emersed	(Aquatic)* -	(Floating)*	Негь 4.6.	Shrub 6.5. 5	Tree > - 5	Strata Height Range	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13
PICAL"STRATA N VARY BY COVER TYPE.	emersed			5 93	78	Sh Sh	(m) Total Cover (%)	% of 5,ex:3, 8, 13

Deer Deer	o Gravei	wBootleg unsanctioned	Hiking sauctioned	n Bridle	All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:
	2	5				%Cover	ach	

CTAND CITE
□ >600 x plot size
□ > 100 x plot size
10-100 x plot size
□ 3-10 x plot size
□ 1-3 x plot size
 - < płot siże

Cleveland Metroparks CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey Tier 1: Early detection/ Rapid response Presence **GPS** NE. SW NW Presence Microstegium vimineum Japanese stiltgrass X: yes Ranunculus ficaria Lesser Celandine Cynanchum Iouiseae (vine) Black Swallow-wort **Butomus umbellatus** (wetland) Flowering Rush Heracleum mantegazzianum Giant Hogweed Tier 2: Assess as Needed # of Plants comments NE SE SW NW # of Plants 1-10 Acer platanoides Norway Maple 2: 11-50. Ailanthus altissima Tree of Heaven Lonicera japonica (vine) Japanese Honeysuckle a D 3: 51-100 4: 101-1,000 Lythrum salicaria (wetland) Purple Loosestrife Aegopodium podagraria 5: >1,000 (G-cover) Bishop's Goutweed Celastrus orbiculatus (vine) Asian Bittersweet Torilis sp. Hedgeparsley Conium maculatum Poison Hemlock Rhamnus cathartica Common Buckthorn (shrub) Berberis thunbergii Japanese Barberry (shrub) Alnus glutinosa European Alder Dipsacus laciniatus Cut-leaf Teasel Elaeagnus umbellata Autumn Olive (shrub) Amur Honeysuckle (shrub) 5 Lonicera maackii 5 Euonymus fortunei Wintercreeper Tier 3: Presence is of Interest comments # of Plants NE SE SW NW # of Plants Convallaria majalis (G-cover) Lily of the Valley 1: 1-10 Coronilla varia (G-cover) Crown Vetch 2: 11-50. Five-leaf Aralia (shrub) 3: 51-100 Eleutherococcus pentaphyllus (G-cover) 4: 101-1,000 Pachysandra terminalis Japanese Pachysandra 5: >1,000 Philadelphus coronarius Mock Orange (shrub) Pulmonaria officinalis (G-cover) Lungwort Rubus phoenicolasius Wineberry Iris pseudacorus (wetland) Yellow Flag Iris Ornithogalum umbellatum Star of Bethlehem Viburnum opulus var. opulus European Cranberry (shrub) Viburnum plicatum Doublefile Viburnum (shrub) Tier 4: Widespread and abundant Presence comments SW NW Presence NE SE Alliaria petiolata Garlic Mustard X: yes Common Privet Ligustrum vulgare (shrub) L. morrowii, L. tatarica **Bush Honeysuckles** (shrub) Phalaris arundinacea Reed Canarygrass Phragmites australis (wetland) Phragmites Polygonum cuspidatum Japanese Knotweed Frangula alnus Glossy Buckthorn (shrub) 根 Multiflora Rose (shrub) Rosa multiflora Typha angustifolia, T. x.glauca Cattails (wetland) Canada thistle Cirsium arvense Dipsacus fullonum Common Teasel

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

(G-cover)

Dame's Rocket

Periwinkle

Hesperis matronalis

Vinca minor

FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial): DATE: 07 27 20 d														•								
Site ID: $PCAPBC 1260$ DATE: $O7127201d$ Location: Fill in bubble(s) if plot(s) could not be sampled and flag \rightarrow																						
Locati			William						Fill	in b	ubb	le(s) if p	lot(s								\mathcal{I}
OAA	Center	C	N	0	S	6	E 0	w	OF	Plot	1	0	Plot	2	● F	Plot 3					1	
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 = V																						
																		ivy (40-75	%); 4 = \	/ery H	eavy (>75%)
Buffer	Canop	у Тур														Buffer	D (E) At	sent	0		
Plot 1	Lea		Flag	Plot 2 Leaf Type:							Flag	Plot 3 Leaf Type: (b)						Flag				
Big Trees (>	-0.3m DBH)	0	0	3		0	111	Big Trees (>	0.3m DBH) 0 0			0	3			Big Trees	(>0.3m DBH)	0	0	0	0	
mall Trees (•		0	0	•	0	0		Small Trees (<0.3m DBH	0	0	0	0	0		Small Trees	(<0.3m DBH)	00		0	0	
Woody Shrub: (0.5m	s, Saplings -5m HIGH)	0	0	Ø	0	0		Woody Shrub (0,5m	s, Saplings -5m HIGH)		0	2	0	(ubs, Saplings 5m-5m HIGH)		0	0	0	
	.5m HIGH)	0	0	0	3	0		Woody Shrub: (<0	s, Saplings 5m HIGH)		0	0	0	0			ubs, Saplings <0.5m HIGH)		0	0	0	
Herbs, F	orbs and Grasses	0	0	②	3			Herbs, F	orbs and Grasses		0	1	(3)	0		Herbs	, Forbs and Grasses		0	0	0	
Ваге	ground	0		2	3	0	-	Bare	ground	0	0		3	0		Ba	re ground	0	(2)	3	0	
Lit	ter, duff	0	0	3	0	0		Lit	ter, duff	0	0	0	(1)	0		ι	itter, duff	0	0	0	0	
	Rock	0	0	3	0	0			Rock	0	0	(2)	0	0			Rock	0	0	0	0	
	Water	1	0	0	0	0			Water	0	0	2	3	0			Water	0) ()	0	0	
	ibmerged egetation	0	0	3	0	0			bmerged egetation	1	0	(2)	3	0			Submerged Vegetation	0	0	3	0	
															9							
Resi	dential	and	Urba	an S	tress	sors			Hydrolo	gy S	tres	sors					Agricult	ural & F	Rural S	stres		
Fili bubble	if prese	ent - i	Piot	1	2	3	Flag	Fill bubble	if pres	if present - Plot			2	3	Flag	Fill bubble	e if prese	nt - Plot	1	2	3	Flag
Road - gra	avel			0	0	0		Ditches, C	hanneliz	ation		0	0	0		Pasture/Ha	ay	0	0	0		
Road - tw	o lane			0	0	0		Dike/Dam/ (IMPEDE FLO		R Bed		0	0	0		Range	nge			0	0	2011/2000
Road - for	ır lane			0	0	0			el Control Structure			0	0	0		Row Crops			0	0	0	
Parking Lo	ot/Pavem	ent		0	0	0		Excavation	n, Dredging			0	0	0			Fallow Field (RECENT-RESTING ROW CROP FIELD)			0	0	
Golf Cour	se			0	0	0		Fill/Spoil B				0	0	0		Fallow Fiel SHRUBS, TRE	0	0	0			
Lawn/Parl	(0	0	0		Freshly De	posited Sediment			0	0	0		Nursery	0	0	0			
Suburban	Residen	tial		0	0	0			Root Exposure			0	0	0		Dairy			0	0	0	
Urban/Mu	ltifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard			0	0	0	
Landfill				0	0	0		Inlets, Out	ets			0	0	0		Confined A	Animal Fee	eding	0	0	0	
Dumping				0	0	0		Point Sour		WATER	2)	0	0	0		Rural Resi	dential		0	0	0	
Trash				0	•	0		Impervious (SHEETFLOW	surface	input		0	0	0		Gravel Pit	0	0	0			
Other:		A411		0	0	0		Other:	ALLIES ALLE	10,000		0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:			0	0	0	
Indu	strial D	evel	opmo	ent S	Stres	son	8						Habi	tat/V	egeta	tion Stress	sors					
Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if pres	ent - Plo	t 1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut	W.		0	0	0		Herbicide U	Jse		0	0	0	
Gas Wells OOO					Forest Sele				0	0	0		Mowing/Sh		a	0	0	0				
Mine (surface)					Tree Planta				0	0	0		Trails		3	0	0	0				
							Tree Canop		огу	7	0	0	0		Soil Compa			0	0	0	-	
						(INSECT) Shrub Layer	r Browse	d		0	0	0		(ANIMAL OR H		ide	0	0	0			
Military O O O					(WILD OR DON Highly Graz	ed Grass	ses			100	0.000		Soil erosion	r (FROM WII	CONTRACTOR SECTION	City According	0	0				
Other: O O O					(OVERALL <3" Recently Bu		rest		0	0	0		OR OVERUSE)				0710				
Other: O O O					1-	Canopy Recently Bu			nd	0	0	0		Other:			- 0	0	0			
Other: OOOO								(BLACKENED)	Description.			0	0	0		Other:			- 0	0	0	
						Exp		uspect measi lags in comm							igned b	у васп пекі с	18W.	24	2816	3304		
В	uffer San	npie I	PIOTS	05	/27/2	LIU	UL HUE	THE STATE OF THE S	al Mirror											111122		22/200

	The state of			34	1010		501	-	DUEE		A A I	AD.	- -		FO /F	4	- Spirited		DQII.		576	168			
FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial): DATE: 07 27 20 2																									
Location: Fill in bubble(s) if plot(s) could not															0.7	127	- 1 <u>a</u>	0		<u> </u>					
Cocation: Fill in bubble(s) if plot(s) could be a plot of the plot															sample	ed and 1	lag -	→							
OAAC	Center	•	N	0	S	01	Ξ Ο	W				100		756		Plot 3									
Fill in bubble Strata Section	es for all thon: Fill in a	nat appaprop	ply: Ca oriate d	nopy o	Type: class i	D = D	eciduou for eacl	s; E = Evergre h strata type f	Buffer een. Leaf T or each plo	Гуре: Е	3 = Br	oadlea	f; N =	Needle	e Leaf. A	Absent: No tre oderate(10-40	e canopy. %); 3 = Hea	vy (40-75%); 4 = \	/егу Н	eavy (:	>75%)			
Buffer	Canop	у Тур	ре: () () AI	bsen	t: O	Buffer	Buffer Canopy Type: (Absent: Buffer Canopy Type: (Type:) (E	Ab	sent:	0				
Plot 1	Lea	f Typ	e: 🌗	<u> </u>			Flag	Plot 2 Leaf Type: 0							Flag	Plot 3	Leaf	Type: 🌘	<u>\</u>)_		Flag			
Big Trees (>	0.3m DBH)	0	0	2		0		Big Trees (>0.3m DBH)					①	0		Big Trees	2	3	0						
mall Trees (<0.3m DBH	0	0	0	0	0		Small Trees (<0.3m DBH	9	0	0	0	0		Small Trees	(<0.3m DBH)	0	0	0	0				
Voody Shrubs (0.5m-	s, Saplings -5m HIGH)	0	0	0	3	0		Woody Shrub (0.5n	s, Saplings 1-5m HIGH)		0	2	0	<u>(</u>			ubs, Saplings im-5m HIGH)	0 0	2	3	0				
Voody Shrubs	s, Saplings .5m HIGH)	0	0		3	0		Woody Shrub	s, Saplings 0.5m HIGH)		0	2	0	0			ıbs, Saplings <0.5m HIGH)	00	0	3	0				
	orbs and Grasses	0	0	•	3	0		Herbs,	Forbs and Grasses	0	0	0	0	6		Herbs	Forbs and Grasses	00	0	3	0				
Bare	ground	0	0	•	3	0		Bare	ground		0	2	0	0		Bai	re ground	6 0	2	3	0				
Lit	ter, duff	0	0	(1)	0	0		Li	tter, duff	0	0	2	0	0		L	itter, duff	00	0	0	0				
	Rock	(3)	Ō	3	3	0			Rock	•	0	3	0	<u></u>			Rock	0	0	0	0				
	Water	0	0	0	0	Ō		Water 🚱 🕦					0	$\overline{\odot}$			Water	6 0	0	0	Ō				
	bmerged		0	(2)	0	0			ubmerged		0	0	<u> </u>	$\overline{\odot}$			Submerged Vegetation		$\overline{\odot}$	(1)	0				
	egetation or Pres		1		_	_	rm that		egetation bubble i	_	tes p				unfilled		T. S.	00		7 0 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																									
				1	2	3	Flag	Fill bubbl		1	2	3	Flag	Fill bubble			1	2	3	Flag					
				9	Ditches, Channelization					0	0		Pasture/Ha			0	0	0							
Road - two				0	0	0		Dike/Dam.	Road/RF		Г	0	0	0		Range	•,		0	0	0				
Road - fou				0	0	0		(IMPEDE FLOW) Water Level Control Structure					0	0		Row Crops			0	0	0				
Parking Lo		nent		0	0	0		Excavation	n, Dredgii	ng		0	0	0	-	Fallow Fiel		RESTING	0	0	0				
Golf Coun	se		-128500	0	0	0		Fill/Spoil Banks					0	0		Fallow Fiel SHRUBS, TRE	d (OLD - GR	ASS,	0	0	0				
Lawn/Parl	<			0	0	0		Freshly Deposited Sediment					0	0		Nursery	0	0	0						
Suburban	Residen	itial		0	0	0		(UNVEGETATED) Soil Loss/Root Exposure					0	0		Dairy	0	0	0						
Urban/Mu	ltifamily			0	0	0		Wall/Riprap					0	0		Orchard			0	0	0				
Landfill				0	0	0		Inlets, Outlets					0	0		Confined Animal Feeding			0	0	0				
Dumping				0	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER)					0	0		Rural Residential			0	0	0				
Trash				0	0	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit			0	0	0				
Other: P	ob po	200		0	0	•		Other:		*****		0	0	0		Imigation			0	0	0				
Other: _				0	0	0		Other:				0	0	0		Other:			0	0	0				
indu	strial D	evel	opm	ent S	Stres	son	В						Habit	tat/V	egeta	tion Stress	sors								
ili bubbie	if pres	ent -	Plot	1	2	3	Flag	Fiil bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - Plot	1	2	3	Flag			
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	Jse		0	0	0				
Gas Wells			77.5	0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting		0	•	•				
Mine (surf	ace)			0	0	0		Tree Planta	ition			0	0	0		Trails			Ø	0	•	1			
Mine (und		1)		0	0	0		Tree Canor		огу		0	0	0		Soil Compa			0	0	0	-			
Military				0	0	0		(INSECT) Shrub Laye		d		0	0	•		(ANIMAL OR H		ge	0	0	0				
		-	7					(WILD OR DO! Highly Graz	ed Grass	ses			-	0		Soil erosion	(FROM WIN		0	0	0				
Other: O O O					(OVERALL <3* Recently B	HIGH)			0	0			OR OVERUSE)			-								
Other: O O O					Canopy Recently Burned Grassland					0	0		Other:	0	0	0									
Other:				0	0	0		(BLACKENED)				0	0	0		Other:		- T	0	0	0				
			444			Exp	a, U = S lain ali f	uspect meas lags in comn	urement., nent sectio	on on	the ba	= mis	this fo	orm orm	ignea D	y each field c	rew.	242	8168	3304					
В	uffer Sar	nple	Plots	05	121/2	2011				11111				ger (C								111111			

Site	FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PLATE: 0.7 2.7 2.0															•									
Locati	_								Fill	in b	ubb	le(s	if p	lot(s	s) COL	ıld not be	sample	ed ar	nd fl	ag -	→				
OAA	Center	01	E 0	W	OF	lot	1	0	Plot	2	OF	Plot 3													
								s; E = Evergre		ype: £	3 = Br	oadlea	f; N = 1	Veedle	e Leaf. A	Absent: No tree oderate(10-409		vy (40-	-75%)	; 4 = V	ery H	eavy (>75%)		
Buffer Plot 1	Canop	y Typ if Typ	_			bsen	t: O	Buffer Plot 2	Canop	=	Absent:			Buffer Canopy Type: © Plot 3 Leaf Type: 🔞				Ab	sent	: O					
Big Trees (0.3m DBH)	0	0	(1)		0		Big Trees (>0.3m DBH)					3	0		Big Trees	(>0.3m DBH)	0	0	@	0	0			
Small Trees (<0.3m DBH	0	0	<u> </u>	@	0		Small Trees (<0.3m DBH	0	0	0	(9)	0		Small Trees	(<0.3m DBH)	0	0	(2)	3	0			
Woody Shrub: (0.5m	s, Saplings -5m HIGH)	0	0	0	<u>(1)</u>	0		Woody Shrub (0.5m	s, Saplings -5m HIGH)		0	(4)	0	0			ibs, Saplings im-5m HIGH)	0	0	0	0	0			
Woody Shrub: (<0	s, Saplings .5m HIGH)	0	0	@	0	0		_Woody_Shrub {<0	s, Saplings I.5m HIGH)		0	0	0	<u>O</u>		Woody_Shru (<	bs, Saplings 0.5m HIGH)	0	0	0	0	0			
Herbs, F	orbs and Grasses	0	0	0	@	0		Herbs, I	orbs and Grasses		0	3	0	(2)		Herbs,	Forbs and Grasses	0	0	0	0	3			
Bare	ground	(2)	0	0	0	0		Bare	ground	(B)	0	(2)	0	0		Bar	e ground	0	0	0	0	0			
Lit	ter, duff	0	0	0	@	0		Lif	tter, duff	②	0	2	0	0		L	itter, duff	0	0	0	@	0			
	Rock	0	0	2	0	0			Rock	0	0	2	0	0			Rock	@	0	0	<u></u>	0			
	Water	®	0	0	0	0			Water	0	0	2	0	0			Water	(g)	0	0	3	0			
	ubmerged egetation	Ø	0	2	0	0			ibmerged egetation	0	0	0	0	0			Submerged Vegetation	Ø	0	0	<u></u>	0			
Stress	or Pres	senc	e/Ab	send	e - (Confi	irm that	a filled data	bubble i	ndica	ites p	resen	ce an	d an	unfilled	bubble indic	cates abse	ence b	y filli	ng thi	s but	ble.	0		
Resi	idential	and	Urb	an S	tress	sors			Hydrolo	gy S	tres	sors					Agricult	ural 8	& Ru	ral S	tres	sors			
Fill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble if present - P				1	2	3	Flag	Fill bubble	if preser	nt - Pl	lot	1	2	3	Flag		
Road - gr	avel			0	0	0		Ditches, C	UT-SCHOOL		0	0	0		Pasture/Ha	зу			0	0	0				
Road - tw	o lane			0	0	0		(IMPEDE FLO	Road/RR Bed w)			0	0	0		Range			0	0	0				
Road - for				0	0	0			el Control Structure			0	0	0		Row Crops Fallow Fiel		DECTIL	10	0	0	0			
Parking L		nent		0	0	0		Excavation					0	0		ROW CROP FIEL	D)		VG	0	0	0			
Golf Cour				0	0	0		Fill/Spoil B		osited Sediment			0	0		SHRUBS, TRE			0	0	0				
Lawn/Parl Suburban	No. of the Co.	tial	20.10	0	0	0 0		(UNVEGETAT				0	0	0 0		Nursery				0	0	0			
Urban/Mu		ıuaı		0	0	0		Wall/Ripra				0	0	0		Orchard	d				0	0			
Landfill	unannay	7.1		0	0	0		Inlets, Out		ts			0	0			ned Animal Feeding				0	0	-		
Dumping				0	0	0	-	Point Sour	ce/Pipe			0	0	0		Rural Resid					0	0			
Trash				0	0	0		(EFFLUENT OR STORMWATER) Impervious surface input					0	0		Gravel Pit				0	0	0			
Other:				0	0	0		(SHEETFLOW) Other:					0	0		Irrigation				0	0	0			
Other:	- 5 -			0	0	0		Other:				0	0	0		Other:				0	0	0			
Indu	strial D	evel	opm	ent S	Stres	son	8					1	Habit	at/V	egeta	tion Stress	sors								
Fili bubble	if pres	ent - i	Plot	1	2	3	Flag	Fill bubble	if prese	nt - i	Plot	1	2	3	Flag	Fili bubb	ie if pres	ent - I	Plot	1	2	3	Flag		
Oil Drilling			H	0	0	0	7	Forest Clea	r Cut			0	0	0		Herbicide U	lse			0	0	0	Linker distribute edge stays		
Gas Wells OOO							Forest Sele	ctive Cut			0	0	0		Mowing/Shi	Mowing/Shrub Cutting			0	0	0				
Mine (surface)						Tree Planta	tion			0	0	0	- W	Trails				0	0	0					
Mine (underground)					Tree Canop	y Herbiv	огу		0	0	0		Soil Compa				0	0	0						
Military O O O		Shrub Laye		d		8	@	0		Offroad veh		ge		0	0	0									
Other:	Others Highly G		Highly Graz	ed Grass	ses		0	0	0		Soil erosion		VD, WA	TER,	0	0	0								
Other:	Recently Bur				rned Fo	rest		0	0	0		Other: To	triumbrough, 1855	ctu	e	0	•	0	1						
000				Recently Bu	med Gr	assla	nd	0	0	0		Other:		Anniversity		0	0	0							
Flag codes: K = No measurement made, U = Sus								uspect meas	urement.,	F1,F	2, etc.	= mls	c. flag	s ass	igned b	y each field c	rew.		2429		68304				
В	uffer Sar	nple	Plots	05	/27/2			lags in comm	ent section	on on	the ba	eck of	mis fo	m		4			- 12(- 4			

FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): Site ID: PCACACO SOLVE A STATE A														•									
Site ID: $PCAPBC 2012 1366$ Location: Fill in bubble(s) if plot(s) could not be sampled and flag \rightarrow																							
Locatio	on:								Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ıld not be	sample	d an	d fla	ıg –	→		
AA Center ON OS OE QW OPlot 1 OPlot 2 OPlot 3 Buffer Natural Cover Strata																							
	ill in bubbles for all that apply: Canopy Type: D = Deciduous; E = Evergreen, Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy. trata 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 Plot 1			e: (0		Plot 2													(E)	Ab	sent			
Big Trees (>0			0	0	0	0	Flag	Big Trees (>0.3m DBH)					<u> </u>	<u></u>	Flag	Rin Trees	(>0.3m DBH)			9	<u> </u>	0	Flag
mall Trees (<		(A)	Ö	0	0	Ö		Small Trees (+	0	0	0	$\frac{\circ}{\circ}$		Small Trees		 _		9	0	0	
Voody Shrubs,	Saplings	0	0	0	0	0		Woody Shrub	s, Saplings	0	0	®	0	<u>O</u>		Woody Shru	ıbs, Saplings	-	-+	<u>ල</u>	<u></u>	ŏ	
Voody Shrubs,		®	0	0	0	0		Woody Shrub		6	0	0	0	$\frac{\circ}{\circ}$		Woody Shru			-	_	<u></u>	<u>Ö</u>	
(<0.5 Herbs, Fe	5m HIGH) orbs and	0	0	0	®	0			5m HIGH) Forbs and	1		0	-	<u> </u>		·	0.5m HIGH) Forbs and		=	_	Ø	0	
	Grasses ground	<u>@</u>	0	0	0	0	<u> </u>	Bara	Grasses ground		0	(1)	<u>0</u>	<u>®</u>		Rár	Grasses e ground		$\frac{0}{0}$	<u> </u>	0	0	
	er, duff		0	0	0	0				Ø	©	-	0	$\frac{0}{0}$		ļ	itter, duff		-	0	0	8	
Little	Rock	-	-	-		0		Li	tter, duff	+=		0	-						-	- +	-		
	Water		0	0	<u>0</u>	0			Rock,	400	0	0	0	<u>O</u>			Rock	-	_	⊙ ⊙	<u> </u>	<u>0</u>	
Su	bmerged	-	0	0	<u> </u>	+-		Si	Water	100	0	0	<u> </u>	$\frac{\odot}{\odot}$			Water Submerged	-	-	- +	<u> </u>	-	
Ve	egetation		1				414	\	egetation/					-		<u> </u>		-					a
Vegetation															9								
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stres																	Elea						
		ent -	Plot	1	2	3	Flag	Fill bubble if present - Plot					2	3	Flag			it - Pic	οt	_	2	3	Flag
Road - gra				0	0	0		Ditches, Channelization Dike/Dam/Road/RR Bed					0	0		Pasture/Ha	ıy		+	의	0	0	
Road - two				0	0	0		(IMPEDE FLC	W)	0	0	0		Range		To let	-	0	0	0			
Road - fou				0	0	0	0		/el Control Structure			-	0	0		Row Crops Fallow Field		DESTIN	G	0	0	0	
Parking Lo	74 2	nent		0	0	0			n, Dredging			0	0	0		ROW CROP FIEL	(۵		3	0	0	0	
Golf Cours				0	0	0		Fill/Spoil Banks Freshly Deposited Sediment					0	0		SHRUBS, TRE		0	0	0			
Lawn/Park				0	0	0		(UNVEGETAT	ED)			0	0	0		Nursery			0	0			
Suburban I	11000	itial		0	0	0	- 1	Soil Loss/F		osure		0	0	0		Dairy Orchard					0	0	
Urban/Mult	tifamily			0	0	0		Wall/Ripra		0	0	0				0	0	0					
Landfill	ui s n		4.7	0	0	0		Inlets, Out				0	0	0		Confined Animal Feeding Rural Residential			-	0	0	0	
Dumping				0	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER) Impervious surface input					0	0		Rural Residential			-	0	0	0	
Trash				0	0	0		(SHEETFLOV				0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0		Other:			_	0	0	0		Irrigation					0	0	
Other:				10	0	0		Other:				0	0	0	drawing of	Other:				0	0	0	4153
Indus	trial D	evel	opm	ent S	tres	sor	3						labit	at/V		tion Stress	sors						
ili bubble	if pres	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - P	lot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse			0	0	0	
Gas Wells O O O								Forest Sele	ctive Cut	1		0	0	0		Mowing/Sh	rub Cutting)		(1)	0	0	
Mine (surface)							Tree Planta	tion			0	0	0		Trails				9	0	0	(
Mine (underground)								Tree Canop (INSECT)	y Herbiv	огу		0	0	0		Soil Compa (ANIMAL OR H				0	0	0	
					Shrub Laye		d		0	0	0		Offroad veh		ge		0	0	0				
Other: O O O					Highly Graz	ed Grass	ses		0	0	0		Soil erosion	بالمراجات والمستحدث والمستوا	ID, WAT	TED.	0	0	0				
Other: O O O				(OVERALL <3" Recently Bu		rest		0	0	0		OR OVERUSE Other:			-	0	0	0					
Other: 0 0 0						Canopy Recently Bu	ımed Gra	asslaı	nd	0	0	0		Other:				0	0	0			
	g codes:	K=1	No me	asure				(BLACKENED)	urement	F1.F2	2, etc.				igned b	y each field c	rew.	IV.					
	ffer Sar					Exp		ags in comm										2	428	трв	5 ∪4	1	