Project Label:	TROPARKS Plant Community Asse	Plot !	m: Quality Control Form © Cleveland Metroparks No 229 Date Sampled: 7-2-2012 Cead: F45
<u>-</u>			
Parking/Access outs	ide of Park Boundaries:	Y X	Comment required if item answer is NO If yes, write details in Comments section below
Field journals compl			it yes, write details in Comments section below
		25	
Site sketch made on		N CO N	
Check cover page	X-axis Bearing of plot recorded	N	
	GPS coords. Recorded	N	
	North direction recorded	N C	
Dist No. Data areas	Photographs taken?	N	
Plot No., Date agree		N N	
Header data complet		N N	
	ed in all Intensive modules	Y N	
Browse Level By Sp		Y N	
Woody stem quality		(Y) N	
Invasive plant qualit	y control check	Y) N	Δ//Δ
Ash trees mapped		Y N	1777
Cover by Strata? (co		1	
	ed with matching plot #.	- ''	11/0
	datasheet with initials and number	YN	N/A
Vouchers labeled on	collection bag	Y N	N/A
Pink flags removed		N	
Data sheet QA befor		(Y) N	
Common equipment		Y N	
Data sheets scanned		7-16-7	Enter date to left KEL
Final data sheets scar			Enter date to left
Buffer Widths measu	ıred?	(X) N	LINH 4 22-12
Web Soil Survey		Y N	KEL 7-6-12
Voucher Location	Refrigerator	Y N	
# vouchers collected)	Press (#)		Enter number to left
	Drier	Y N	
	Identified	Y N	
	Mounted	Y N	
	Thrown away	Y N	
GRTS point verifica	ntion: 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, l		
	☐ 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	,	
	its:		

d Guide Speedlings, canya spedtings	*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	Minimum required fields in Bold and Underlined
1219. IN apparent traxings	□ Systematic (grid) □ Capture specific feature □ Other	Authority: G&C Pub Date: 1998
Host Variable 105 to 1	□ Random □ Stratified Random □ Transect component	TAXONOMIC STANDARD
	Plot placement: GRTS - Representative	lichen
Sub/Shrub: Sugar Maple, Ostryal	Photo Nos:	bryo
Red maple	Camera No.: 2	
The fact. Dangy- Shagburk Michory, Ked Only		high modera. low not smpl
۴ =	LA LA BEATING OF PIOC: [508]	TAYONOMIC ACCURACY
		Accurate may still provide good
Rutional : GRISpt.	1229A	rough
	acy: 45 m oft 100/+-	Effort Level: subjective evaluation of
SOM is to the want,	8	G QUALITY*
nowed field to woods. Plot is appr	Latitude: 41. 22605	□ Perm. water □ Paved □ Slope □ Safety
lot of Stater about Walk above	$x = \bigcirc y = \bigcirc \text{ (base of plot } x=0, y=0)$	PLOT NOT SAMPLED: - Other
The second of the second	tion in plot $x=0$ to 5, $y=-1,0,+1$):	r. Taxono
location borr of the recetion hill only	AD83/WGS84 □ NAD27	N. Zimmermyn Asst
Layout - a 7	□ Other (specify) ■ m □ ft □	T. Kistler Asst
\ I	■ Lat/Long □ UTM □ StatePlane ■ deg □ deg min	S. Catalla Asst
dominants, strata, BROWSE). Additional notes in space on back.	Coordinate system: Coord. Units dominant	BRUKEN BUT ASST
	Source of coordinates MAP GPS	S. Eysenboch Plot leader
O Plot origin (0,0) point	If data not public why? Key:	Party Role**
4 3 4 3		End date (if > 1 day): / /
#1 #2 #3 #4 #5	□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	Date (mm/dd/yyyy): 7 / 2/ 2012
	100	Level 5 (nested corners sampled)
2 1 2 1	Data Confidentiality:	Level 4 (no nested corners sampled)
#8	Landowner: CM	Plot No.: 1224
3 4 3 4	Local Place Names: Coust, 79 Hill	rior Name: Wilted Chamboricin
(Quadrangle: West Richfield	Project Name: OHI 2012
	State: OH County: Machina	Project Label: PCAP
	LOCATION	GENERAL INFORMATION
Sheet \$\text{\Page 1 of 2}	CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	CLEVELAND METROPARKS Plant Co

Project L	ND MET	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a	ent Program Speci Project name:	es Cover	Data Sh 分のみ		Plot no.:	1229				Page _	of	193	
Total modules	dules:	Ö	Intensive modules:	4	Plot cor	Plot configuration:		2X5		Plo	nt area	Plot area (ha): ().	0.		
€		Br = Browse Level. Use cover classes to	Estimate for each intensive module:	mod corner depth cov	mod corner	depth	depth mod	corner mod	Come come	mod corner	ner mod	comer mod	mod corner	er mod corner R R V depth cov	< Ter
Metroparks	- Ka	describe amount of browse per species over entire plot	%unvegetated open water %unvegetated open water %unveg. ground (bare soil)	700			000	<u> </u>	£ 00		->	10 C	+		
T S H / E / A D	entire piot		%unve	-3		1	ľ	1	9			0			
<u>ي</u> دو	9	An Single Species	voucilei #	Cov Cov	depth cov	C eph	Cov depth	cov depth	S §	depth	C depth	Oov dep	depth cov	depth cov	š
6 2°		Acor		7	-		20	2		+	`		1		
4		CW>		ر ا		-	74	4	9	-	d				
ىع		Freshous sp (spedling)		و ا		د	ש		_	-	یر	<i>Q</i>			
تو	5	IV.		22		90	2	<i>Q</i>	b		4	9			
رو		Mass Sp.		بر بر		2	2	دع	9)						
7		Magnotis acuminate		0											
-		00c) d		_						ک -					
2)	Ci	Parthonocissus quinquetui	1.0	2		_			ک		1-	2			
-		Viburgum dem		()							W				
E	20	Carga Cordy		1 1									<u>E</u> 44		
23		Facus graphfule			8	ಬ	2								
6		li2			25			_		RJ U	رو	2			
41	-0	¥			9 4	2	82			9	7	5			
12		Toxicedendion radicans			છ ~	/	יב	2	دو	<u>ر</u>	7	P			
_		L/))		1 -	S	6	_	2	2	2			
ى كى		l bis		/											
لل يد		20				رو	ر (ر	+		2	94	23	~		
5	08	Rosa multiflera				2	v	+	ن			-			
<u> </u>	d	NS 120		•		2		-	2			N	_		
(V).						Q W		1	w	1	90	7			
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		5						4	-		2	U	/		
		C .						2	/	\dashv		_			
		adicite			\exists			+		+			+		

	CLEVELAND MET Project Label:	ROPARKS Plant Community Assessn	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: 〇十十 2012 Plot no.: 1234	"
	Total modules:	10	Intensive modules: 4 Plot configuration: 2 X S Plot area (ha): 0, 1	
	Cleveland	Br = Browse Level. Use cover classes to describe amount of browse per species over	Estimate for each depth cov depth co	R R R Cov
	Strata - Cov. entire plot		%unveg. litter (bare litter) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	T S H (F)(A) Br	Species	C VOUCher# depth cov depth	pth cov
	ಬ	Veronice officinale	12	$\overline{}$
		1		
	=	Londer Juponica		
		Sassafia & albidum		
	b)			
	N	Corriers	200	
				+
	-7/	SP.		-
		10 Solidano "Chesie	~	_
ancus		717		-
Nch IVS		Careax Sp Morapi		5
	- 12	Danthonis Spicate		2
0		Carex Sp Cpennsylvan		1
	ر ر	≥		5
		3		
4		Aster Sp		
appless A re		Carex So	70	-
C		Jubu > 50.	70	/ V
	X	Carsy complenata you	Nic Sut A	_
	1-2	PLINS SP.	P	4
				-74/22
				5,-

	CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	ty Assessi	nent Prog	gram I	Natural	Woody S	tem Da	a Sheet					2	2	
		Project Label: PCAP		Project	Name:	OH	Project Name: 01H; 2012		Plot No.:	1229	<u></u>	Page:_	1	으 1 - 4	Genela	Cleveland Metroparks
		Explain subsample (additional room on back):													- 4	
	100		# stems	% sub	#	size class	size class (cm) woody stems >	y stems >	1.4m			3				
	<u> </u>				shrub	-	N3	3	4		ca .	_		_	6	=
	-	A Con College Control Control	DOMON	agilipid	cignition	9	6.72×1	6>-6.7	9 / C		075 - 61	C7> - 07	25 - <30	30 - <35	35 - <40	740 (record each
\leq	-	6						0								
<	-	hirodendron bulletera										\A	70			N. 20 T.
<	-	rd				۰	0 0			•	0		_			
\leq	1	Acersachanun	8 8 8			M.	口図	٥		*				7		
\leq	1	Carpinas campliniama														
		hindera benzon	9					T4				×	SPE	10-1-1	4	
5	1	prunus senstina	6													
-	<u>~.</u>	Carya Cordifornis	•						- "							
<	N	Acersacchanum	0			0 0	M	п	•	•		•				
<	73	Magnolia acuminata				. UI								0		
/	N	Acer rubrum							0							
<	2	hinodendron tulpifera						A D						3-1		
<	N	Fagus grandituria	•			0.0										
<	2	Canya cordiformis		1										A 0.		
1	N	re benushing											10.70			
5	w	Acersaccharum	9.0				口区区	四四						_		
	03	Carya ovata	0							۵	9	0				
1	W	Dik Quercus rubra													15	55.3
_	UJ	Strinding dead				•	0									
(O:	Ostrya Virginiana					0									
(じ	Rosa multiflora	X.	×°	^-											
(Q:	Acernbrun					•									
	I	Carya ovata							•			•				64.2

S S I 6 V: 5 S F 0 5 6 0 7 T 1. mod # CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 0-5 S 2050 Fraxious Sp. Prunus sertina OSTYLA VILDINIANO Carya avata Standing dead Rosa multiflora Standing dead Explain subsample (additional room on back) Tilia ACRY YUBYUM QUEYCUS YUDYOU Standing dead Caryasp. Aced 60 cetrorum QUETEUS SP Carpinus carolinione A GEV SOCCHARYUM Carya ovata Crataegus sp. Acer Saccharun Acer Saccharum Canya spor Crataegus sp. Frayious spenisylvanica awey I come multalora Project Label: PCAP voucher# 4 » ° 9 9 # stems browsed 0-1.4m 正 or super % sub Project Name: OIH, 1224 口 clumps shrub # 0 4 size class (cm) woody stems >1.4m H <u>^</u> ů 四四四 40 1-<2.5 U 2.5-<5 Plot No.: 1229 5-<10 10 - <15 15 - <20 20 - <25 Page: 25 - <30 N 30 - <35 으 (A) Cieweland Metroparks 35 - <40 10 50,3 >40 (record each tree) $\vec{\exists}$

9 2 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet ~ 0 d A Fraxinus pennsylvan cus A car saccharum Partnenosisus quinquelolia Explain subsample (additional room on back): Aler soccharum Carya ovata ACIV CUDIUM POSA MUHTER Ulmus americana BURILLIAN OFALSO ACRY SACCHATUM QUETCUS SP Rosa multiflora Carya ovola Standing wad QUEYEUS FUDIA Quercus alba ACRA LAPLAN Quercus rubra standing dead Lonicera morrouli (arya OSTIGO VIVAINIONA Whynus american a Lifiedendon tubbilde OVOJA Project Label: PCAP # stems browsed 0-1.4m or super % sub sample Project Name: 01 H1 2018 shrub clumps # size class (cm) woody stems >1.4m n r 0-<1 はなな 1. M 1-<2.5 å 2.5-<5 Plot No.: 1229 5-<10 10 - <15 15 - < 20 20 - <25 Page: 3 25 - < 30 30 - <35 으 © Cleveland Metroparks 35 - <40 10 60.0 48.7,66.9 >40 (record each tree) = 52-8

CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Label: PCAP Project Name: ついは、プロス Plot No.: 1	ž C	ommunity , PCA P	Assessm	nent Pro Proiect	gram / Name:	Int Program Natural Wood	Woody S	item Da	ta Sheet	ا ا ا		Page:	I.	۹ هم	Clemeta	Cleveland Metroparks
	Explain subsample (additional room on back):	n bac	ķ;												i m	†	
-				100	% sub		size ciass	size class (cm) woody stems >1.4m	dy stems >	1.4m	n.	۾	7	D	0	5	=
mod #	species	ი	voucher#	browsed	sample	clumps	0-< <u>1</u>	1-<2.5	2.5-<5	5-<10	10 - <15	15 - <20	25	25 - <30	30 - <35	35 - <40	>40 (record each tre
C.	Standing chear						•	0		0						155	
٩	ACK TUBTUB																54.6
ب	Liriodendron policie	P															16.5
6	hosa myltiflora			9 3		9 4											
O	Ally saci havvm		-	90			0 0	П	Ø.	9 9	٥	c					
10	& Partitating Signs quinty folia	2	dita														
0	Standing chead	-						0 9	8.0								
10	AUY rubrum																
0	Cratagaus Sp.							•									
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	· · · · · · · · · · · · · · · · · · ·														=		
	hus	_						:									
		E. 1															
							S)										

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: 01H12012

Plot No .: 1229

(A) District part of Machine painting Page: 1 of 1

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

+45 degrees

NE. z

horizon. TSI is angles formed by local slopes. For TSI measure

LFI is angle of plot to the

At aspect

+135 degrees +90 degrees

SE

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

	- 2	Module # C?
		Corner Corner

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

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

+270 degrees +225 degrees +180 degrees

8

away. standing ~10 m

WS

eye of person

angle from

+315 degrees

Z W

MICROTOPOGRAPHIC FEATURE COUNTS - intensive modules only

Slope 1 = slight elevational grade across module (hill) tanks 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

NOTE: tue		0	30	ئی	2	#bom				_		
sock and hummocl		\	ţ	i	١	corner						
e are counted in Ro		Q	8	0	0	(count)	lxlm	depth 3		tussocks	no of	
NOTE: support and historical and possible and additional additional and additional		0	>	0	0	(count)	3 6x3 6m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
		Р	_	_	0	(count)	10x10m	depth 1		depressions	по, півсто.	
		56	18	36	23	(count)	10x10m	depth 1		(2-12 cm)	c.w.d	
		٢	ح	۵	S	(count)	10x10m	depth 1		(12-40cm)	c.w.d	
		_	0	9	0	(count)	10x10m	depth 1		>40 cm	c.w.d	
		رو	2	رو	ىھ	(rank)	10x10m	depth 1		interspers.	microhab.	-
		a	0	a	٥	(runk)	10x10m	SLOPE			microhab.	

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

مو	9	8	3	2	Nodule	corresponding space.
٢	L L	4.	-	7	Z	н
w	7	イ	1	3	s	(4 nots bet Rith square)
¢	w	نى	0	2	শে	
Ŋ	6	2	رہ	W	W	L

W

	9	•	o;		w
		N			
רט	7 3	7	丘	-	0
		7. h	4	C.	0
И	0	2	P	نن	н

72

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: 〇ト日 みのりる

229

Cheveland Metroparks

Page: 1 of 1

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

Soll pit module # 3 (one per entire plot)

20 cm 6 cm matrix color texture* matrix color texture* edox features** oxid roots ydr cond *** edox features** oxid roots mottle mottle ottle color otte color None None None I S M (D) ~ 3 3 **(2)**

refer to texture classes on reverse side

ydro_cond_***

I S M

** e.g. hydrogen sulfide odor, gleving, etc. ** Circle one:

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

Extremely elry soil None

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: Soil Series Source Ohio Soil Survey Soil Series/Type: Soil Collection Module Horizon (A, B, C) arent Material: andform type: 3,8,9 composited 300 plains > 80:n

 Well drained Impermeable surface Somewhat poorly dr. Moderately well dr. Very poorly dr.

Excessively dr.

Somewhat excessively

WSS-KEL-7/6/2012

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

	۲			
۵	Qr.	در	2	mod#
ر ار	2.7	ر ر	3,/	1 litter+ organic depth (cm)
2.5	2.7	. رو :	3.1	2 litter depth (cm)
C	Ď	9	0	water depth (cm)
730	730	730	730	depth sat

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	
Underlying Earth Surface*	Surface*	Ground Cover	
(Sum = 100%)	percent	(Each < 100%)	percent
Histosol	Ø	Coarse Woody Debris***	ч
Mineral Soil	99	Fine Woody Debris****	ω
Gravel-Cobble*	-	Litter	98
Boulder**	Ø	Duff (Ferm.+ Humus)	Q
Bedrock	Ø	Bryophyte- Lichen	ಬ
* Gravel-Cobble = 1/16-10"	1/16-10"	Water	Ø,
**Boulder => 10 in	Ð.	Bare Soil	W
*** >5 cm in diameter	ieter	Road/Trail	Ø
**** <5 cm in diameter	meter	Other	

(Aquatic)*	(Floating)*	Herb	Shrub	Tree	Strata	COVER BY STRATA estimate using midpol
		0 5	; С	25	Height Range (m)	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13
		W	25 F.S.	28	Total Cover (%)	%,ex:3, 8, 13
	(Aquatic)*	(Floating)* - (Aquatic)* -	(Floating)* - (Aquatic)*	0 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 .	5. 5 93 0. 5 3	Height Range (m) Total Cover

No trails	a Deer	🗅 Gravel	Bootleg unsanctioned	n Hiking sanctioned	o Bridle	□ All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:	
S							%Cover	ach		

			/			
- Juor 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 METROPA	ARKS Pla	nt Community Assess	ment Pro	ogram	ı: Inv	asive S	Specie	Survey Quev	eland Metroparks
Tier 1: Early	detection	Rapid response		0.00	Pre	sence		GPS	1988
				NE	SE	SW	NW		Presence
Microstegium vimineum		Japanese stiltgrass							X: yes
Ranunculus ficaria		Lesser Celandine							
Cynanchum louiseae	(vine)	Black Swallow-wort							
Butomus umbellatus	(wetland)	Flowering Rush	·						
Heracleum mantegazzianur	n ,	Giant Hogweed	•						
Tier 2	2: Assess a	s Needed		1000	# of	Plants		comments	
		Ar in the last of the		NE	SE	SW	NW		# of Plants
Acer platanoides		Norway Maple							1: 1-10
Ailanthus altissima		Tree of Heaven				1			2: 11-50.
Lonicera japonica	(vine)	Japanese Honeysuckle	2			1 .			3: 51-100
Lythrum salicaria	(wetland)	Purple Loosestrife				1			4: 101-1,000
Aegopodium podagraria	(G-cover)	Bishop's Goutweed							5: >1,000
Celastrus orbiculatus	(vine)	Asian Bittersweet							
Torilis sp.		Hedgeparsley							
Conium maculatum		Poison Hemlock							
Rhamnus cathartica		Common Buckthorn	(shrub)						
Berberis thunbergii		Japanese Barberry	(shrub)	12					\neg
Alnus glutinosa		European Alder		٢					
Dipsacus laciniatus		Cut-leaf Teasel							
Elaeagnus umbellata		Autumn Olive	(shrub)						
Lonicera maackii		Amur Honeysuckle	(shrub)						
Euonymus fortunei	usanesiiks ou	Wintercreeper							
Tier 3: I	Presence is	of Interest		8 10 10	# of	Plants		comments	
			New Control	NE	SE	SW	NW		# of Plants
Convallaria majalis	(G-cover)	Lily of the Valley							1: 1-10
Coronilla varia	(G-cover)	Crown Vetch					Ĺ		2: 11-50.
Eleutherococcus pentaphyll	us	Five-leaf Aralia	(shrub)						3: 51-100
Pachysandra terminalis	(G-cover)	Japanese Pachysandra	3						4: 101-1,000
Philadelphus coronarius		Mock Orange	(shrub)						5: >1,000
Pulmonaria officinalis	(G-cover)	Lungwort							
Rubus phoenicolasius		Wineberry							
Iris pseudacorus	(wetland)	Yellow Flag Iris							
Ornithogalum umbellatum		Star of Bethlehem							
Viburnum opulus var. opulu	S	European Cranberry	(shrub)						
Viburnum plicatum		Doublefile Viburnum	(shrub)						
Tier 4: Wi	despread a	and abundant			Pres	ence		comments	
	Transaction of		NAME OF	NE	SE	SW	NW		Presence
Alliaria petiolata		Garlic Mustard							X: yes
Ligustrum vulgare		Common Privet	(shrub)		L			SRE 10-10-12	
L. morrowii, L. tatarica		Bush Honeysuckles	(shrub)			2	1		
Phalaris arundinacea		Reed Canarygrass							
Phragmites australis (wetland)	Phragmites						,	
Polygonum cuspidatum		Japanese Knotweed							
Frangula alnus		Glossy Buckthorn	(shrub)						
Rosa multiflora		Multiflora Rose	(shrub)	3	5	5	3		
Typha angustifolia, T. x.glau	ca	Cattails (wetland)							
Cirsium arvense		Canada thistle							
Dipsacus fullonum		Common Teasel							
Hesperis matronalis		Dame's Rocket							
Vinca minor (G-cover)	Periwinkle							

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

•						9	FO	RM B-1:	BUFF	ER	SAI	MPL	ΕP				Reviewed by			_ (•
Site I	D: P	LA	PH	1; 1	2	29									DATE	:07	10212	0	1	2	
Location						40			Fill	in b	ubb	le(s) if p	lot(s	s) cou	uld not be	sampled and f	lag -	→		
OAAC	Center	C	N	0	S	01	E 0	W	OP	lot	1	0	Plot	2	OF	Plot 3					
Fill in bubble Strata Section	es for all th on: Fill in a	nat app	ply: Ca oriate o	nopy cover	Type:	D = [bubble	Deciduou e for eac	s; E = Evergre	Buffer een. Leaf T or each plo	ype: E	B = Bro	oadlea	f; N =	Needle	e Leaf. A	Absent: No treoderate(10-40	e canopy. %); 3 = Heavy (40-75%); 4 = V	'егу Н	eavy (>75%)
Buffer Plot 1	Canop		e: @ e: @		\leftarrow	bsen		Buffer Plot 2	Canopy		-		-	bsent		Buffer Plot 3	Canopy Type: 6	=	Ab	sent	-
Big Trees (>			(-)) (·		0	Flag		TO ME	f Typ	e: [0	Flag		(>0.3m DBH)	0	0	0	Flag
mall Trees (<		$\stackrel{\sim}{\sim}$	0	0	0	0	-	Big Trees (7 2 7 1		0	(2)	0	©		_	(<0.3m DBH)	0	0	0	
Woody Shrubs		0	0	0	-	Õ	-	Small Trees (Woody Shrub		-	-	<u>•</u>	_	_		Woody Shru		-	- 1	0	- 500
(0.5m- Woody Shrubs	5m HIGH) , Saplings	0	-	0	9	0	-	(0.5n Woody Shrub	s, Saplings	-	0	①	0	<u>0</u>		Woody Shru	ubs, Saplings im-5m HIGH) bs, Saplings <0.5m HIGH)	① ①	0	0	
	5m HIGH) orbs and		0		-	-).5m HIGH) Forbs and	+=	9		-= 1					-	-	-	
	Grasses	0	(0	0	0			Grasses	0	0	①	9	\odot	H =2		Grasses U U	0	0	0	
	ground	0	0	0	0	0	-		ground	0	0		0	0	N e		re ground 🚱 🕦	0	9	0	1100
Litt	ter, duff	0	0	0	0	0		Li	tter, duff	0	0	0	9	<u>O</u>		L	itter, duff	0	0	0	
	Rock	0	0	0	0	0			Rock		0	0	0	<u>O</u>			Rock 💮 🛈	0	0	0	
	Water	9	0	0	0	0			Water	(0	0	0	<u>O</u>			Water 🚱 🕦	0	0	0	
	bmerged egetation	9	0	0	0	0			ubmerged egetation		\odot	0	<u> </u>	0			Submerged Vegetation	0	<u> </u>	0	
Vegetation														s but	ble.	0					
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural St														tres	sors						
Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	e if present - Plot	1	2	3	Flag
Road - gra								Ditches, C	hanneliza	ation		0	0	0	11	Pasture/Ha	ıy	0	0	0	
Road - two	d - gravel O O O d - two lane O O O							Dike/Dam/		R Bed		0	0	0		Range		0	0	0	L.
Road - fou	r lane			0	0	0		Water Lev	NAME OF TAXABLE PARTY.	l Stru	cture	0	0	0		Row Crops		0	0	0	
Parking Lo	t/Pavem	ent		0	0	0	7-7	Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0	
Golf Cours	se .			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Fiel SHRUBS, TRE	d (OLD - GRASS, ES)	0	0	0	
Lawn/Park			115	0	0	0	1	Freshly De		Sedin	nent	0	0	0		Nursery		0	0	0	
Suburban	Residen	tial		0	0	0	*	Soil Loss/I		osure		0	0	0		Dairy		0	0	0	
Urban/Mul	tifamily	mile.		0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out	and the same of the same			0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping		110		0	0	0		Point Sour (EFFLUENT C	OR STORM			0	0	0		Rural Resi	dential	0	0	0	
Trash				0	0	0		Impervious (SHEETFLOV		input		0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:	MHU-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST-PO-ST			0	0	0		Irrigation		0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:		0	0	0	
Indus	strial D	evel	opm	ent S	Stres	sor	8					1	Habi	tat/V	egeta	tion Stress	sors				
Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if present - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	Ise	0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surfa	ace)							Tree Planta	tion			0	0	0		Trails		0	0	0	
	Mine (surface)								y Herbivo	ory		0	0	0		Soil Compa		0	0	0	
Mine (underground)								(INSECT) Shrub Laye	r Browse	d		1000				(ANIMAL OR H		2.00			
Military O O O								(WILD OR DOI Highly Graz	MESTIC)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	0	0			nicle damage	0	0	0	
Other: 0 0 0								(OVERALL <3*	HIGH)			0	0	0		OR OVERUSE	CE. Shirten printer for the country of	0	0	0	
Other: 0 0 0								Canopy Recently Bu	REDGE T		nd	0	0	0		Other:		0	0	0	
Other:	-		_	0	0	0		(BLACKENED)				0	0	0		Other:		0	0	0	
	ag codes: uffer Sar				/27/	Exp		uspect meas lags in comm							igned b	y each field c	rew. 242	8168	304	K	

			(Ma	n di i	24	D _{ij}	FO	RM B-1:	BUFF	ER	SAI	IPL	EP	LOT	S (F	ront)	F	Reviewe	d by (init	al):		•
Site I	D: 91	· Δ1	PL	i	23	q									DATE	.0.7	100	1	19	٩	0	
Location		-		1	11. 12				Fill	in b	ubb	le(s)	if p	lot(s	s) cou	ıld not be	sample	d and	d flag	\rightarrow	Τ	
OAAC	Center	C	N	0	s	01		W	OP	lot	1	0	Plot	2	OF	Plot 3						
					_				Buffer							Nh a a a di Ma da a						
Strata Section	es for all tr on: Fill in a	approp	piy: Ca priate d	cover	class	bubble D = L	e for eac	s; E = Evergre h strata type fo	en. Lear i or each plo	ype: E t. 0 = .	Absen	t; 1 = 3	Sparse	Needie e(<10%	6); 2=M	Absent: No tree oderate(10-40	e canopy. %); 3 = Heav	ry (40-7	5%); 4	Very I	leavy	(>75%)
Buffer	Canop	у Тур	e: (0 () A	bsen	t: O	Buffer	Canop	у Тур	e: 🔞) Ai	bsent	: O	Buffer	Canopy	Туре:	6	E) A	bsent	: O
Plot 1	Lea	f Typ	e: ((Flag	Plot 2	Lea	f Typ	e: () ()		Flag	Plot 3	Leaf	Type:	@ ((F		Flag
Big Trees (>	0.3m DBH)	0	0	(0	0		Big Trees (>	-0.3m DBH)	0	0	8	9	0		Big Trees	(>0.3m DBH)	0) (0	
mall Trees (<	0.3m DBH)	0	0	0	0	(Small Trees (<0.3m DBH	0	0	①	@	0		Small Trees	(<0.3m DBH)	0) (C		0	
Woody Shrubs (0.5m-	s, Saplings -5m HIGH)	0	0	2	•	0		Woody Shrub (0.5m	s, Saplings i-5m HIGH)	0		2	0	0			ubs, Saplings im-5m HIGH)	0		0	0	
Woody Shrubs (<0.	, Saplings .5m HIGH)	0	0	0	0	0		Woody Shrub (<0	s, Saplings I.5m HIGH)	0	0		0	0			bs, Saplings <0.5m HIGH)	0	D C	0	0	
Herbs, F	orbs and Grasses	0		2	0	0		Herbs, I	Forbs and Grasses	0	@	0	0	0		Herbs	Forbs and Grasses	0	D (2	0	0	
Bare	ground	0		2	0	0		Bare	ground	0	(2	0	0		Bar	re ground	0	3	0	0	
Litt	ter, duff	0	0	2	0			Lif	tter, duff	0	0	0	(3)	0		L	itter, duff	0	0	0		
- 1	Rock	0	•	(2)	0	0			Rock	0	1	0	0	0			Rock	(2)	D (2	0	0	
	Water	0	0	2	0	0			Water	0	0	0	0	0			Water	(D	0	0	
	ibmerged egetation	•	0	②	0	0			ubmerged egetation	•	0	2	0	0			Submerged Vegetation	(D (2	0	0	
		sence	e/Ab	send	e -	Confi	rm that	a filled data	bubble is	ndica	tes p	esen	ce an	d an	unfilled	bubble indi		nce by	filling	his bu	bble.	0
Resi	dential	and	Urba	an S	tres	sors			Hydrolo	gy S	tres	sors	74				Agricultu	ral &	Rural	Stres	sors	3
Fill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if presen	t - Plo	t 1	2	3	Flag
Road - gra								Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ay		C	0	0	
Road - two	lane		000					Dike/Dam/		Bed		0	0	0		Range	2000 - 24/02/00 2000 - 24/02/00	Trê l		0	0	
Road - fou	ır lane			0	0	0		Water Lev		l Stru	cture	0	0	0		Row Crops			C	0	0	
Parking Lo	ot/Pavem	nent		0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Fiel		RESTING	, (0	0	
Golf Cours	se			0	0	0		Fill/Spoil B				0	0	0		Fallow Fiel SHRUBS, TRE		VSS,	C	0	0	
Lawn/Park	3		He	0	0	0		Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery			C	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	Root Exp	osure		0	0	0		Dairy			C	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	р		7/	0	0	0		Orchard			C	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding	C	0	0	
Dumping		NEW Y		0	0	0		Point Sour	RSTORM			0	0	0		Rural Resid	dential		C	0	0	
Trash				0	0	0		(SHEETFLOW		input	0.915	0	0	0		Gravel Pit			C	0	0	
Other:		01_D=00	W 340.00	0	0	0		Other:				0	0	0		Irrigation				-	0	
Other:				0	0	0		Other:				0	0	0		Other:				0	0	
Indus	strial D	evel	opmo	ent S	Stres	SOF	S		100				labit	tat/V	egeta	tion Stress	sors					
ill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if prese	nt - Pl	ot 1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	lse		C	0	0	
Gas Wells				0	0	0	400	Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting		C	0	0	
Mine (surfa	fine (surface)							Tree Planta	tion			0	0	0		Trails		112	C	0	0	
Mine (unde	Aine (underground)							Tree Canop	y Herbive	ory		0	0	0		Soil Compa (ANIMAL OR H			C	0	0	
Ailitary OOO								Shrub Laye		d		0	0	•		Offroad veh		ge	C	0	0	
Other: O O O							Highly Graz	ed Grass	ses		0	0	0		Soil erosion		D, WATE	R, C	0	0		
Other: O O O							Recently Bu		est		0	0	0		OR OVERUSE Other:	I				0		
Other:				0	0	0	-	Recently Bu	ırned Gra	esslar	nd	0	0	0		Other:				0	0	
	ag codes:	K=1	om o				e, U = S	(BLACKENED) uspect measi	urement	F1,F2	2, etc.				igned b	y each field c	rew.	_			_	
Bu	uffer San	nple I	Plots	05	/27/:		lain all f	lags in comm	ent sectio	on on	the ba	ck of	this fo	orm				2	4281	0030	1	

Site II							FOR	RM B-1:	BUFF	ER	SAI	VIPL	E P	LOT					ved by	(initial)		-	•
		JA'	PH	13	70					1		1-1-	1.5	1-4/-		: 0 7				1 0	()		
Locatio			S NI	_	_	•	- ^	14/								ıld not be	sample	ea a	na ti	ag -	-		
OAAC	enter		N	0	5	Ø E	= 0	W	Buffer	Plot	10(0)		Plot			Plot 3			7/1.01			L	
								s, E = Evergre	en. Leaf 1	Гуре: Е	3 = Br	oadlea	f; N = 1	Needle	e Leaf. A	Absent: No tree oderate(10-40		vy (40	-75%)	4 = V	ery H	eavy (>75%)
Buffer Plot 1	Canopy	/ Typ f Typ	-		\leftarrow	osen	t: O	Buffer Plot 2	Canop	y Typ	-		\leftarrow	osení	t: O	Buffer Plot 3	Canopy Leaf		$-\tilde{z}$	(E)	Ab	sent	: O
Big Trees (>0			0	(1)	$\overline{\mathbb{O}}$	0	liag	Big Trees (>			0			0	riug	Big Trees	(>0.3m DBH)	<u> </u>	•	তা	0	0	· iug
Small Trees (<0).3m DBH)	$\tilde{\odot}$	Õ	0	ŏ			Small Trees (0	0	0	$\frac{\circ}{\circ}$		Small Trees		0	0	ŏ	0	0	
Woody Shrubs,	Saplings	0	0	0	0	0	_11	Woody Shrub	s, Saplings	0	0	©	Ö	0		Woody Shru	ibs, Saplings im-5m HIGH)	0	0		0	Ō	
Woody Shrubs,		0	•	0	0	0		Woody Shrub			0	0	ă	0		Woody Shru	bs, Saplings	$\overline{\odot}$	9	0	0	ŏ	Ty
Herbs, Fo		0	0	0	0	0			.5m HIGH) Forbs and	0	0		<u> </u>	$\frac{\circ}{\circ}$			Forbs and	0	0	0	0	0	
	Grasses ground	0	0	0	0	0		Bare	Grasses ground	8	0	0	$\frac{\circ}{\circ}$	$\frac{\odot}{\odot}$		Rar	Grasses e ground		3	0	0	0	_
	er, duff	0	0	0	0	Ø	-		tter, duff	10	0	0	$\frac{3}{6}$	_			itter, duff		0	0	(0	250
Little		$\overline{}$		-		-		LI		10		_	$\frac{3}{2}$	<u> </u>	1					_	-	_	
	Rock		®	0	\bigcirc	0			Rock		@	0	읫	$\frac{\odot}{\odot}$			Rock	<u>O</u>	(2)	0	<u> </u>	9	
Suh	Water		$\frac{1}{2}$	0	0	0		Sı	Water	®	0	0	$\frac{9}{2}$	$\frac{\odot}{\odot}$			Water	(0	0	0	0	
Ve	getation	(4)	0	0	0	$ \Theta $		٧	egetation		$ \Theta $	0	0	0			Vegetation	•	$ \Theta $	0	<u> (၂</u>	0	_
Stresso	or Pres	ence	e/Ab	send	:e - (Confi	rm that						ce an	d an	unfilled	bubble indic						20.3	
Resid	lential	and	Urb	an S	tress	sors			Hydrolo	gy S	Stres	sors	1				Agricultu			Name of	1		
Fill bubble	oubble if present - Plot 1 2 3							Fill bubble	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble	e if preser	it - P	lot	1	2	3	Flag
Road - grav							Ditches, C				0	0	0		Pasture/Ha	ıy			0	0	0		
Road - two	wo lane OOO					Dike/Dam/ (IMPEDE FLO	W)			0	0	0	V-	Range				0	0	0			
Road - four	d - two lane						Water Lev	el Contro	l Stru	ıcture	-	0	0		Row Crops				0	0	0		
Parking Lot	/Pavem	ent	81	0	0	0	- 12	Excavation	, Dredgi	ng		0	0	0	1111	Fallow Fiel	D) (Q		NG	0	0	0	
Golf Course	В			0	0	0		Fill/Spoil B		Cadia	n t	0	0	0		Fallow Fiel SHRUBS, TRE		ASS,		0	0	0	
Lawn/Park				0	0	0		Freshly De	ED)			0	0	0		Nursery			3.0	0	0	0	
Suburban F	Residen	tial		0	0	0		Soil Loss/F		osure		0	•	0		Dairy				0	0	0	
Urban/Multi	ifamily			0	0	0		Wall/Ripra				0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Out Point Sour				0	0	0		Confined A		ding		0	0	0	
Dumping		1100		0	0	0		(EFFLUENT O	R STORM	WATER	₹)	0	0	0		Rural Resid	dentiai			0	0	0	
Trash				0	0	0		(SHEETFLOW		при		0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation	APP 2			0	0	0	
Other:				0	0	0	A A STREET	Other:				10	0	0		Other:				0	0	0	
Indus	trial De	evel	opm	ent S	Stres	SOF	s						Habit	tat/V	egeta	tion Stress	sors						646
Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill 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	lse			0	0	0	
Gas Wells	137	H		0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	9		0	0	0	
Mine (surfa	ce)		d g	0	0	0		Tree Planta	tion			0	0	0		Trails	400			0	0	0	
Mine (unde	tine (underground)							Tree Canop	y Herbiv	ory		0	0	0		Soil Compa (ANIMAL OR H				0	0	0	
Military	Allinois O O O Sh						Shrub Laye		d		0	0	0		Offroad veh		ge		0	0	0	17	
Other:	Williary 0 0 0 (w						(WILD OR DON Highly Graz	ed Gras	ses		0	0	0		Soil erosion	(FROM WIN		TER,	0	0	0		
	er O O O (OVERALL					(OVERALL <3" Recently Bu		rest						OR OVERUSE Other:						0			
Pescal						Canopy Recently Bu	rned Gr	assla	nd	0	0	0						0	0				
Other: OOOO								(BLACKENED)				0	0	0		Other:		J. V	_	0	0	0	part
	g codes: ffer San				/27/2	Exp		uspect meas lags in comm							igned b	у еасп пею с	dw.		242	3168	304		

							FOI	RM B-1:	BUFF	ER	SAI	/iPL	ΕP	LOT	S (F	ront)		Review	ved by	(initial)	:		
Site I	D:	PCA	9P	H	F	/	22	7							DATE		100	21	೩	0.	1	2	
Location		T _i					nais.		Fill	in b	ubb	le(s	if p	lot(s	s) cou	ıld not be	sample	ed a	nd f	ag -	→	Ì	
• AA C	Center	C	N	0	S	01	E O	W		lot '		-	Plot			Plot 3							
Fill in bubble	es for all ti	hat an	nlv: Ca	vaone	Type:	D = 0	Deciduou	s: E = Everon	Buffer en. Leaf T							Absent: No tree	e canopy.						
																oderate(10-409		vy (40	-75%)	4 = V	ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 🖣	() AI	bsen	t: O	Buffer	Canop	у Тур	e: 🕒) () Al	osent	: O	Buffer	Canopy	Тур	e: 🕞	(E)	Ab	sent	: O
Plot 1	Lea	f Typ	e: (<u> </u>			Flag	Plot 2	Lea	f Typ	e: 🕒) (Flag	Plot 3	Leaf	Туре	e: 🕦	0			Flag
Big Trees (>	0.3m DBH		0	0	<u> </u>	0		Big Trees (>0.3m DBH)	0	0	0	0	<u>O</u>	J	Big Trees	(>0.3m DBH)	0	0	0	0	0	Day.
mall Trees (<		-	0	0	0	9		Small Trees		0	0	0	<u> </u>	<u>O</u>		Small Trees		$\stackrel{\smile}{=}$	0	0	0	0	
	5m HIGH)	0	0	0		0			n-5m HIGH)	0	0	2	0	<u>O</u>		(0.5	ıbs, Saplings im-5m HIGH)	0	0	0	0	0	
	.5m HIGH)	0		0	0	0	4 51		0.5m HIGH)	0	0	0	0	<u>O</u>			0.5m HIGH)	0	0	<u> </u>	0	0	
Herbs, F	Grasses		0	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	<u>O</u>		Herbs,	Forbs and Grasses	0	0	0	0	0	
Bare	ground	0		0	0	0	11	Bar	ground	0	0	0	0	<u> </u>		Bar	e ground	0	0	0	0	0	l le
Lit	ter, duff	0	0	0		0		Li	tter, duff	0	0	0	0	<u>O</u>		Į IL	itter, duff	0	0	0	0	0	
	Rock	0		0	①	0			Rock	0	0	0	0	0			Rock	0	0	0	0	0	
	Water		0	0	0	0			Water	0	0	0	0	<u> </u>			Water	0	0	0	0	0	
	ibmerged egetation		0	①	0	0			ubmerged /egetation	0	0	0	0	0			Submerged Vegetation	0	0	0	0	0	
Stress	or Pres	senc	e/Ab	send	e - (Confi	rm that	a filled data	bubble i	ndica	tes pi	esen	ce an	d an	unfilled	bubble indic	cates abse	nce l	by filli	ng thi	s but	ble.	0
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stresidential and Urban Stressors Hydrology Stressors Agricultural & Rural Stresidential bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2															tres	sors							
ill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubbl	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if preser	ıt - P	lot	1	2	3	Flag
Road - gra	ad - gravel O O O								hanneliza			0	0	0	2 11	Pasture/Ha	ıy			0	0	0	
Road - two	lane			0	0	0		Dike/Dama (IMPEDE FLO	W)			0	0	0	-1.1	Range		Benj.		0	0	0	
Road - fou		US TI		0	0	0		Water Lev			cture	_	0	0		Row Crops Fallow Field	1500	DESTI	NG	0	0	0	0
Parking Lo		nent		0	0	0		Excavation		ng		0	0	0		ROW CROP FIEL	D)		10	0	0	0	100
Golf Cours		ir.	79	0	0	0		Fill/Spoil E Freshly De		Sedin	ent	0	0	0		SHRUBS, TRE				0	0	0	
Suburban		itial		0	0	0		(UNVEGETA Soil Loss/	(ED)			0	0	0	3 =	Nursery Dairy				0	0	0	
Urban/Mul				0	0	0		Wall/Ripra	p		3 2 7	0	0	0	The second	Orchard				0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding	TESTA .	0	0	0	
Dumping		To		0	0	0		Point Soul		VATER	0	0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW	surface			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	
Indus	strial D	evel	opm	ent S	tres	sor	5					1	labit	tat/V	egeta	tion Stress	sors						
ill bubble	if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - F	Plot	1	2	3	Flag	Fill bubb	le if pres	ent - I	Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se	44		0	0	0	
Gas Wells			PE	0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cutting	9		0	0	0	
Mine (surfa	ace)			0	0	0		Tree Planta	ition			0	0	0		Trails				0	0	0	
Mine (unde	dine (underground)								y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H				0	0	0	
									r Browse	d		•	0	0		Offroad veh		ge		0	0	0	
Other: O O Highly								Highly Graz (OVERALL <3"	ed Grass	ses		0	0	0		Soil erosion		ID, WA	TER,	0	0	0	
Other:		ile Euro		0	0	0		Recently B		est		0	0	0		Other:			1	0	0	0	
- Out-o									urned Gra	asslar	nd	0	0	0		Other:				0	0	0	
	ag codes	: K = I	No me		10.00	made		uspect meas	urement.,				c. flag		igned b	y each field c	rew.		2428			70	7
	uffer Sar	nple	Plots	05	/27/2			lags in comn	nent sectio	on on	the ba	ck of	this fo	orm				in.	- 260	0			

Dumping O O O Point Source/Pipe (EFFLUENT OR STORMMATER) O O O Rural Residential O O O O Impervious surface input (SHEETFLOW) O O O O O O O O O O O O O O O O O O				(No.	19)	20	14.7	FOR	RM B-1:	BUFF	ER	SAN	/IPL	E PI	LOT	S (F	ront)	Reviewed by	(initial)			
File In Dubble (e) If In Dubble (e)	Site I	D:	PC,	Af	2	4	1	22	9							DATE	:07	10212	0	10	2 .	
## In bubbles for all find apply. Caregory Type: 0 Decisiones, E = Evergrans. Leaf Type is Exercised. 1 Exercised.	Locati	on:			-		-	Mil		Fill	in b	ubb	le(s	if p	lot(s							T
The habbles for all that apply. Campay Type:	OAAC	Center	0	N	0	S	OE	0	W	OP	lot 1	1	0	Plot	2	OF	Plot 3					
Buffer Canopy Type:	F10 1- 1- 1-1-1-			- 1 0		T	D = 0										haanti Na trai					
Plot 1	Strata Section	on: Fill in a	approp	priy: Ca priate d	over o	class t	oubble	e for eacl	s; E = Evergre n strata type fo	or each plo	t. 0 = .	Absen	t; 1 = 3	Sparse	(<10%	6); 2=M	oderate(10-40	%); 3 = Heavy (40-75%	; 4 = V	егу Н	eavy (>75%)
Big Trees (-0.3-m.Deel O O O O O O O O O	Buffer	Canopy	у Тур	e: (() AI	bsen	t: O	Buffer	Canopy	у Тур	e: () (E) At	sent	: O	Buffer	Canopy Type:	0	Ab	sent	: 0
mail Traes (<0.3m DBH)	Plot 1	Lea	f Typ	e: (0			Flag	Plot 2	Lea	f Typ	e: (0			Flag	Plot 3	Leaf Type:	1		ul I	Flag
Weedy Strates, Seathers Control	Big Trees (>	0.3m DBH)	0	0	0	0	•	E	Big Trees (>	-0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH) ①	0	0	•	gH.
(g.sn-en-inscript)	mall Trees (<	0.3m DBH)	0	0	•	0	0		Small Trees (<0.3m DBH)	0	0	•	0	0		Small Trees	(<0.3m DBH) 0	0	•	0	
Nerois Fortis and			0	0	②		0				0	0	0	•	0				0	0	•	
Herits, Forbs and Grasses Grasse	Voody Shrubs	s, Saplings	0	•	0	0	0		Woody Shrub	s, Saplings	-	0		0	0		Woody Shru	bs, Saplings	•	0	0	
Bare ground		orbs and	0	0	0	0	0			orbs and	_	•	0	0	0		Herbs		0	0	0	
Litter, duff	Bare		0	0	0	0	0		Bare			0		0	0		Bar	0.0	0	0	0	
Water	Lit	ter, duff	0	0	①	0	0		Li	ter, duff	0	Ō	0		_		L	itter, duff	0	0		
Water		Rock	0	•	(2)	(1)	0			Rock	0	0		(1)	0			Rock 🔘 🔾	0	0	0	
Submerged Vegetation O O O Submerged Vegetation O O O O Submerged Vegetation O O O O O O O O O O O O O O O O O O O		Water	•	0		-	-			Water		_	<u>0</u>	_	_					_	_	
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 Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if pres				0	_	-						_	<u>(1)</u>	<u>~</u>						-	=	
Residential and Urban Stressors			sence	_			_	rm that			ndica	tes pi	resen			unfilled				s bub	ble.	0
															ıral S	tres	sors					
Road - Iwo lane	ill bubble	e if prese	ent - l	Plot	1	2	3	Flag			-	110	1	2	3	Flag	Fill bubble	e if present - Plot	1	2	3	Flag
Road - Iwo lane									Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ау	0	0	0	
Road - four lane		100					-				Bed		-				Range		0		0	
Color Course Color Col	Road - fou	ır lane				-	0				l Stru	cture	0	0	0		Row Crops		0	0	0	76
Conficiency	Parking Lo	ot/Paverr	nent		0	0	0		Excavation	, Dredgir	ng		0	0	0				0	0	0	10
Clawhi-ark	Golf Cour	se	1,4		0	0	0		Fill/Spoil B	anks			0	0	0				0	0	0	
Urban/Multifamily	Lawn/Parl	<			0	0	0	573			Sedin	nent	0	0	0	- 4	Nursery		0	0	0	
Landfill	Suburban	Residen	itial		0	0	0		Soil Loss/i	Root Expe	osure		0	0	30.7.0		Dairy		0	_	-	
Dumping	Urban/Mu	ltifamily			0	0			Wall/Ripra	р			0		-		Orchard			-	-	
Dumpling	Landfill				-	_			Commence of the second								Contract to property of					
Other: O O O O O O O O O O O O O O O O O O O O O	Dumping				diameter.	-			(EFFLUENT C	OR STORM								dential				
Other:	Trash								(SHEETFLOV		inpui									2		
Industrial Development Stressors	-		-				200		_					0								
Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Oil Drilling O O O Forest Clear Cut O O O Herbicide Use O O O O OI O	Other:	100000			0	0	0	ighticores.	Other:				-	0					O	O	O	
Oil Drilling O O O Forest Clear Cut O O O Herbicide Use O O O O O O O O O O O O O O O O O O O	Indu	strial D	evel	opm	ent S	Stres	sor	8		PA (FILE				Habit	tat/V	egeta	tion Stress	sors		46		
Gas Wells	Fill bubble	e if prese	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1			Flag	Fill bubb	le if present - Plot				Flag
Mine (surface) O O O Tree Plantation O O O Trails O O O O O O O O O O O O O O O O O O O	Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	Jse	0	0	0	
Mine (underground) O O O Tree Canopy Herbivory (INSECT) O O O Soil Compaction (ANIMAL OR HUMAN) O O O O O O O O O O O O O O O O O O O	Gas Wells	3			0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Military O O O O (INSECT) Military O O O O (Shrub Layer Browsed (WILD OR DOMESTIC) Other: O O O O Highly Grazed Grasses (OVERALL <3" HIGH) OTHER: O O O O Recently Burned Forest Canopy Other: O O O O Recently Burned Grassland (BLACKENED) Flag codes: K = No measurement made, U = Suspect measurement, F1,F2, etc. = misc. flags assigned by each field crew.	Mine (surf	ace)	SITE OF		0	0	0						0	0	0		SALES OF SALES OF SALES OF SALES	-Al-a			Con IVA	
Other: OOOO Conormal Control C	Mine (und								(INSECT)	The same of the sa			0	0	0		(ANIMAL OR H	IUMAN)	0			
Other: O O O O (OVERALL <3" HIGH) O O O OR OVERUSE) Other: O O O OR OVERUSE Other: O O O O O O O OTHER: O O O O O OTHER: O O O O OTHER: O O O O OTHER: O O O O O OTHER: O O O O O OTHER: O O O O OTHER: O O O O O O OTHER: O O O O O OTHER: O O O O OTHER: O O O O O O OTHER: O O O O O O O OTHER: O O O O O O OTHER: O O O O O O OTHER: O O O O O O O OTHER: O O O O O O OTHER: O O O O O O OTHER: O O O O O OTHER: O O O O O OTHER: O O O O O O OTHER: O O O O O O OTHER: O O O O	Military	filitary O O O							(WILD OR DO	MESTIC)			•	0	•				0	0	0	
Other: O O O Canopy O O Other: O O O Other: O O O Other: O O O Other: O O O O O Other: O O O O O O Other: O O O O O O O O O O O O O O O O O O O	Other: O O O							(OVERALL <3"	HIGH)			0	0	0		CACALLANDER HARRIST		0	0	•		
Other: O O O (BLACKENED) O O O OTHER. O O O O OTHER. O O O O OTHER. OTHER DISTRICTION OF THE OTH	Other: O O O								Canopy				0	0	0		Other:		0	0	0	
										ırned Gra	asslaı	nd	0	0	0		Other:		0	0	0	
Buffer Sample Plots 05/27/2011						-	Exp									Igned b	y each field c	rew. 242	8168	3304	K	