CLEVELAND MET	ROPARKS Plant Community Assess	ment Program:	Quality Control Form Cleveland Metroparks
Project Label:	PCAP	_ Plot No	: 1217 Date Sampled: 6-21-2012Lead: Cyso
			Comment required if item answer is NO
Parking/Access outsid	e of Park Boundaries	Y (N)	If yes, write details in Comments section below
Field journals complet		YN	17 yes, write dotains in Comments section before
Site sketch made on 1:		(Y) N	
Check cover page	X-axis Bearing of plot recorded	(Y) N	,
Chock cover page	GPS coords. Recorded	₩ N	
	North direction recorded	O N	
	Photographs taken?	(Y) N	
Plot No., Date agreem		N	
Header data completed		(Y) N	
	d in all Intensive modules	(Y) N	
Browse Level By Spec		® N	
Woody stem quality co		(V) N	
Invasive plant quality		Y N	
Ash trees mapped	TOTAL OF STREET	Q N	
Cover by Strata? (conf	firm cover type)	Ø N	
Soil samples collected		Ø N	
	atasheet with initials and number	YN	NA
Vouchers labeled on c		YN	N/A
Pink flags removed	oneedon oug	(V) N	1/3//
Data sheet QA before	leaving site?	Ø N	
Common equipment re		(Y) N	
Data sheets scanned?	starriod to tab.	6-22-12	Enter date to left W7
Final data sheets scan	ned?	UIX 10	Enter date to left
Buffer Widths measur		(Y) N	JTP 6-22-2012
Web Soil Survey		(Ŷ) N	AY 6-21-2012
Voucher Location	Refrigerator	YN	
(# vouchers collected)	Press (#)		Enter number to left
	Drier	Y N	
Mouthers	Identified	YN	
,100	Mounted	YN	
	Thrown away	Y N	
48	[I iii o iii a iia j		
CDTS main/warificat	sion. Is plot somploshie?		
	tion: Is plot sampleable?		
Yes	Original GRTS point is sampleable	11	Cult holow)
□ No	Original GRTS point lands in a non-s Point falls in a water (i.e. river, ia		fill in category below)
	☐ Managed mowed area (i.e. golf o	WW.777	aht-of-way)
	☐ Paved area (i.e. parkinglot, road)		
	Unsafe to sample (i.e. steep slope)		
	□ Other		
Additional Comment	ts:		
14 11			

		on a windy day!	Lots of during pines - do not sample on a	* Lots of d
	ÖVER		*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	Minimum required fields in Bold and Underlined
	eduris	Acer seed	□ Systematic (grid) □ Capture specific feature □ Other	Authority: G&C Pub Date: 1998.
		therb : Oppauperate?	□ Random □ Stratified Random □ Transect component	TAXONOMIC STANDARD
			Plot placement: GRTS - Representative	lichen
		Start Bach	Photo NoS.O-) 70 (bryo
Jatica	m Myssa sly	Short: Acer saccharum Nyssa shuatica	Camera No.: 2	vascul. \rightarrow n/a
•			Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)	high/ modera. low not smpl
	(Depth: (1-5):	TAXONOMIC ACCURACY
	rog subruma	O D. S. Pinns Michigan A	X-axis Bearing of plot: [235] °	□ Hurried data
		Ver her:		□ Accurate may still provide good
			GPS File Name: 1017A	Very thorough how much effort put into
7		Kationar o'rio pount	Coord. Accuracy: wm of ft +- 1.7	
Drive Original	7 C	The same of the same of the	Longitude: OS 1, 1,0999	SAMPLING QUALITY*
	× 100 170 170 170 170 170 170 170 170 170	THEOLOWUS ON THE TOTAL THE	Latitude: 41, 30235	□ Perm. water □ Paved □ Slope □ Safety
7.00	2 5		$x = \bigcirc y = \bigcirc \text{ (base of plot } x=0, y=0)$	PLOT NOT SAMPLED:
2 000	5	Torontion that out of the labelle	GPS location in plot $x=0$ to 5, $y=-1,0,+1$):	** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.
			Datum: ■ NAD83/WGS84 □ NAD27	
			□ Other (specify) ■ m □ ft □	N Zimmermen Lost wasch
		launt UXS	LaVLong □ UTM □ StatePlane ■ deg □ deg min	K Lewis & Hosterwardy
		dominants, strata, BROWSE). Additional notes in space on back.	Coordinate system: Coord. Units d	A Young By Asst
	rections and landscape	NOTES: Include Layout (any unusual shape details), Location (directions and landscape content). Rationale (why here), and Veg Characterization (description of community	Source of coordinates MAP GPS	Eysenbach
	n permanent posts	Key: (0,0) point point point with direction	ot public why?	Party Role**
		4 3 4	Reason:	End date (if > 1 day): / /
	4 #5	#1 #2 #3 #4	□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	Date (mm/dd/yyyy): しん/ションコ
	-	2 1 2	Check one: Public data Private Data	Level 5 (nested corners sampled)
Rt. Be	•		Data Confidentiality:	 Level 4 (no nested corners sampled)
che ghe	7 #6	piot: #10 #9 #8 #7	3	Plot No: 1214
10		2-10 3 4 3 4 P	2/5	COUNTY :
` 17]		Y	Local Place Names: Medicus Orive	Plot Name: Ushoct is ayn
	(angle: Novince	Project Name: OI Brau)
	The state of the s		State: OH County: (UHL) DOCK	Project Label: PCAP
		Merchans Orive	LOCATION	GENERAL INFORMATION
	Page 1 of 2	Data Sheet TMJC SMPROVIN	mmunity Assessment Program - Background Data Sheet	CLEVELAND METROPARKS Plant Community Assessment Program -
11 /				

2aCM PCAP Species (ν./ -	P-5	20		<u>ل</u>	, ,		اران الانان		1	0/-			<u>に</u>	-	(5) (2)		ಬ				N)		ಸಿ ಕು	9,57	1	T S H (F)(A) Br	Strata - Cov. entire plot	•	Matroparks	1	③	Total modules:	CLEVELAND MET Project Label:
2aCM PCAP Species Cover Data sheet Page 1 of x_ver 3.xls last revised 5/29/2012 ceh	8	0	Villi	Semeris thunbercus	Myssia Blyvatica	A TIMINUS OF SUICE VES	Dhaman Do	Fraxious S	a Offi		1/1	1	Parthenocissus guinquello	_	ľ	Prunus serotine	Or.	1655	Pinus Beedlings 150		Frechithes hierifolia	ier un soudi ca	me triphyllum		L	Pigus ni gra	Species			describe amount of browse per species over entire plot	Br = Browse Level. Use cover classes to		0/	CLEVELAND METROPARKS Plant Community Assessment Program Species Project Label: PCAP Project name:
5/29/2012 ceh										-		C2-1702	6				k						sub triphyllum				c Voucher#	%unveg. litter (bare litter)	%unveg. ground (bare soil)	%unvegetated open water	intensive module:	Estimate for each	Intensive modules:	ent Program Speci Project name:
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0-02a											70												と	,	1		depth cov				depth cov	R R		P.

BROWSE RATING NARRATIVE DESCRIPTION LOW OR NONE: there is no measurable browse line AND there are very few or no plants 1-m nested quadrat

AND there are very few or no plants 1-m nested quadrat and intensive module. In general, low values relate to less than 10 percent, by numbers of stems browsed.

MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or nearnormal in comparison to low browse areas. For example, trilliums may flower and fruit, but jewelweed and arrowwood viburnum exhibit browse.

MEDIUM: browse affects greater than 10 percent and less than 25 percent of stems in the 1 m2 nested quadrat and intensive module. A browse line is usually not evident or obvious for all classes and species of vegetation, but careful examination may show preferential browse and/or browse lines for some species of plants.

MEDIUM HIGH values include evidence of a browse line and 25 percent of stems browsed with very little vegetation regeneration evident. In this rating, for some species of plants, reproduction does not appear to occur or it is very severely limited.

HIGH: greater than 25 percent of the stems of plants in

the 1 m2 nested quadrat and intensive module AND a browse line is evident.

VERY HIGH values include extensive browse conditions, where the browse line is very evident AND almost all

WERY HIGH values include extensive browse conditions, where the browse line is very evident AND almost all seedlings and herbs are severely browsed or missing. Browse line may be 5 to 6 feet in height with no or little green growth beneath.

					2)				~			2				W		- Compa	T S H (F)(A) Br	Strata - Cov. entire plot	Metroparks	~	•	Visual est. % open water entire site.	Total modules:	Project Label:	CLEVELAND ME
				Smulax fotunal toux	Lwride	Phythologica comexicano	Unknown dight #3	Lessia Visginica	Unknown dicot #2	SA UNK DI	Š	Calibra sp.	Onpoteris carthusiana	Driftown di cot Hudula Vis	Hackelia Visciniana		5	l	Distant B	Species Species		describe amount of browse per species over entire plot	Br = Browse Level. Use cover classes to			0	PCAP	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet
							CZ-1709		C2-1708	2041-B) +				\$ (2 -)708	Ca/- 1703				Der Si(Ax) G	$\overline{}$	%unveg. ground (bare soil) %unveg. litter (bare litter)	%unvegetated open water	2	Estimate for each	Visual est. %unveg.o.w. entire site:	Intensive modules:	Project name:	ent Program Species
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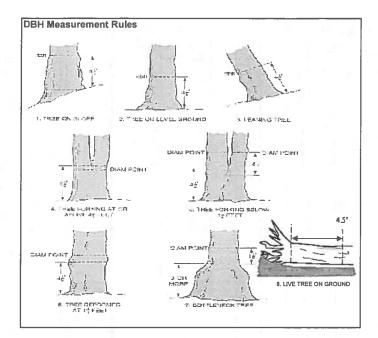
Intensive Corner

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(0)

Explain subsample (additional room on back):	on back):													
		# stems	% sub	#	size class	(cm) woo	size class (cm) woody stems >1.4m	1.4m						
mod# species	c voucher#		۵ _	shrub	0-<1	1-<2.5	3 2.5-<5	5-<10	5 10 - <15	6 15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	10 35 - <40
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3						2.5)				0 8				
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5 Pinus nigra								X				0	•	1
The state of		7												



Woody Stem Deer Browse

Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.

Record using the tally system from 1 to













ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered.
- 4. >50% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
- 5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



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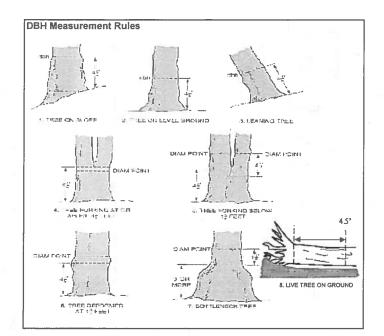
E

ASH CANOPY BREAKUP CONDITION (for dead trees):

(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below)

- A: All main branches contain fine twigs (newly dead).
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CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Label: PCAP Project Name: 〇〇〇八〇〇〇〇〇 Plot No.:_	PCAP	y Assessi	nent Pro ject	gram N Name:	O1B1	nt Program Natural Woody St Project Name: <u>〇 / 8 尺 2 0 1 2</u>	Stem Da	Plot No.: 1 2	12	4	Page:	2	of	Cleveland Metropasis	and Metrop
			# stems	% sub	#	size class	size class (cm) woody stems >1.4m	dy stems >	1.4m					11		
mod #	species	c voucher#	0-1.4m browsed		pg b	0<1	1-<2.5	2.5-<5	5-<10	5 10 - <15	15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	10 35 - <40	11 >40 (record each
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10	Standing dead													0		



Woody Stem Deer Browse

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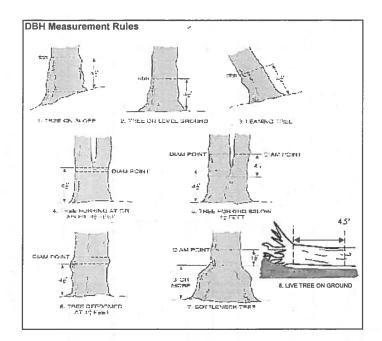
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							V S								<i>)</i>	10	0	mod #			3 11	CLE
														130 m	Berberis Thunberg 1;	0	Vitis sp.	species		Explain subsample (additional room on back):	Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet
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Woody Stem Deer Browse

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Record using the tally system from 1 to

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Tree ID. 25 24 23 22 19 16 13 5 17 9 * If Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m≥ x ≥1.5m
Woodpecker and epicormic marked present (1) or absent (0) TYAXINUS 8.11 (cm) DBH Ht @ Ash condition *Dead condition # Exit Ep' 0 Woodpecker holes 0 Baseline Map all ash trees ≥10cm in each module using Tree ID number *** Change intensive module numbers when necessary 9 N

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CLEVELAND METROPARKS Emeraid Ash Borer - Fraxinus Sheet

Project Label: PCAP

Project Name: 01 BR 2612

INTENSIVE MODULES ONLY
Plot No.: |2|7 Date:

Date: $\frac{TREES}{6/2}/2012$

Page: 1 of 2

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey (Cleveland Metroparks Tier 1: Early detection/ Rapid response GPS Presence NE 5W NW Presence Microstegium vimineum Japanese stiltgrass X: yes Ranunculus ficaria Lesser Celandine Cynanchum louiseae (vine) Black Swallow-wort **Butomus umbellatus** (wetland) Flowering Rush Giant Hogweed Heracleum mantegazzianum Tier 2: Assess as Needed # of Plants comments NE SE SW NW # of Plants Norway Maple 1-10 Acer platanoides Tree of Heaven 2: 11-50. Ailanthus altissima Lonicera japonica (vine) Japanese Honeysuckle 3: 51-100 4: 101-1,000 (wetland) Purple Loosestrife Lythrum salicaria 5: >1,000 Aegopodium podagraria (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) European Alder Alnus glutinosa Cut-leaf Teasel Dipsacus laciniatus Elaeagnus umbellata Autumn Olive (shrub) Amur Honeysuckie (shrub) Lonicera maackii Euonymus fortunei Wintercreeper Tier 3: Presence is of Interest # of Plants comments NE SE. SW NW # of Plants 1: 1-10 Convallaria majalis (G-cover) Lily of the Valley 2: 11-50. Coronilla varia (G-cover) Crown Vetch 3: 51-100 Eleutherococcus pentaphyllus Five-leaf Aralia (shrub) 4: 101-1,000 Pachysandra terminalis Japanese Pachysandra (G-cover) 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 NE SE SW NW Presence 2 Alliaria petiolata Garlic Mustard X: yes Common Privet (shrub) Ligustrum vulgare L. morrowii, L. tatarica **Bush Honeysuckles** (shrub) 1 Phalaris arundinacea Reed Canarygrass 5 Phragmites australis (wetland) **Phragmites** Polygonum cuspidatum Japanese Knotweed Frangula alnus Glossy Buckthorn (shrub) Rosa multiflora Multiflora Rose (shrub) \mathcal{A} Typha angustifolia, T. x.glauca Cattails (wetland) Cirsium arvense Canada thistle

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

(G-cover)

Common Teasel

Dame's Rocket

Periwinkle

Dipsacus fullonum

Vinca minor

Hesperis matronalis

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

McNAB INDICES (degrees) + for up - for down

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

			Module #
			C?
 T.	77		Comer Comer
			Corner

	L.,		L			<u> </u>		
		7					K.a.	
□ FRINGING □ Reservoir □ Natural Lake	SLOPE (ground water hydrology or on a physical slop)	□ RIVERINE □ Headwater □ Mainstem □ Channel	o IMPOUNDMENT o Beaver o Human	DEPRESSION	Hydrogeomorphic class (WETLANDS ONLY):	(FIT = excellent g Fit and Confidence	CLASSIFICATION	
7	FILE	1	F	Fit				
Conf=	Conf=	Conf=	Conf	Conf=				

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

			ھى	W	دو	mod#						
						соглег						
		0	0	Ó	0	(count)	ixim	depth 3		tussocks	no of	
		ð	0	0	0	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
		4	ተ	5	1	(count)	10x10m	depth 1		depressions	no, macro,	
		00	4	12	13	(count)	10x10m	depth 1		(2-12 cm)	c,w,d	
		~	0	0	0	(count)	10x10m	depth 1		(12-40cm)	c.w.d	
		0	0	0	0	(count)	10x10m	depth 1		>40 cm	c.w.d	
		ىو	2	7	e	(rank)	10x10m	depth 1		interspers.	microhab.	
			1		0	(rank)	10x10m	SLOPE			microhab	

Ohio EPA VIBL Plant Community Class (WETLANDS ONLY): BOG (strongly, moderately, weekly ombrotrophic) F

□ EMERGENT □ marsh □ wet meadow □ open bog □ FOREST □ swamp forest □ bog forest □ forest seep SHRUB a shrub swamp a tall sh. bog a tall sh. fen Film FIR Conf-Conf=

F Conf= Conf=

□ COASTAL (specify subclass)

Conf=

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

+270 degrees

€

away. eye of person standing ~10 m recorders eye to angle from TSI measure local slopes. For angles formed by horizon. TSI is plot to the LFI is angle of

+225 degrees

WS

+315 degrees

¥

+135 degrees +180 degrees

SE

S

+45 degrees +90 degrees

Z

At aspect

z

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

9	8	3	2	Niodule	0 1
5	ઝ	5	9	Z	
Ч	14	W	2	S	0
7	h	드	7	Ε	
4	2		(Jr	W	L

					9
Str =	C.P.	24	6 -		\vdash
91	1	1	0. t	45	U
Š	N	2		2 3 4 6	_
	_ \	1	u w	n e	1
4	0	r R	V+	.	H
			('	so or	+
3	\mathcal{D}	_ w		_	\vdash
			~	7 6	1

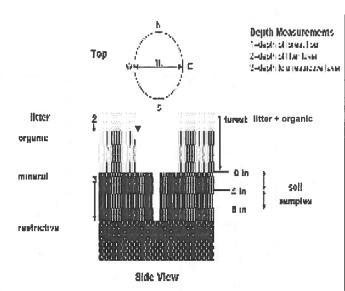
COVER		

STRATUM	GENERAL FORM
Tree (generally >5 m)	Tree (overstory), very tall shrubs*, liana, epiphyte)
Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, epiphyte)
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Floating	Floating
Aquatic (submerged)	Submerged

*Very tall shrubs are sometimes included in the tree stratum

**Can also include seedlings of shrubs, i.e. all shrubs <0.5m

***Tree seedlings are often defined as up to 1.4 m height or as <2.5 cm DBH in which case they would span the herb and shrub layers.



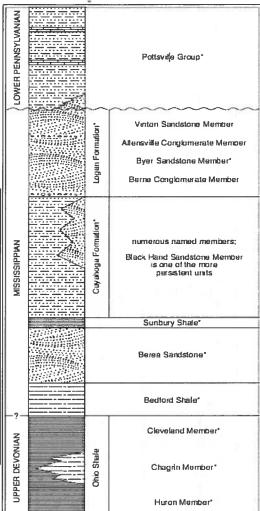


FIGURE 3-20.—Generalized section of Upper Devonian, Mississippian, and Lower Pennsylvanian formations in northeastern Oftio. Asterisks indicate using that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waverly is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists uses the European term "Carbonierous," which encompasses the Mississippian and Pennsylvanian Periods of the U.S. Many umits have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fairly widespread four discontinuous. See flyde (1953). Hoover (1950), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-13 for explanation of took types.

Page: 1 of 1

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

20 cm Soil pit module # (one per entire plot) 5 cm matrix color matrix color 109R4/3 texture* texture* oxid roots hydro, cond.*** oxid roots hydr cond *** edox features** edox features** mottle mettle ottle color ottle color 048 4/3 MA 1 S M D 7 4 I S M (D) < Э $\overline{2}$ 3

refer to texture classes on reverse side

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

=indundated S=saturated M=moist D=dry

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

or castings/middlens them y leaf litter them y last litter No swidence of 2/4

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

Excessively dr.	Parent Material Till	Depth to rest Layer 780 IAChes	Landform type: Till plains	Soil Series Source: Ohio Soil Survey	Soil Series Type: Mahoning silt loam	Writ Still Survey Turbornations	2,3,8,9 composited A	Soil Collection Module Horizon (A, B, C)

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

Well drained

AY 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	3	දිා	mod#	
	0.1.6	1,1	3.1	3 cm	1 litter+ organic depth (cm)	
	2.5	1.1	2.0	2.1	2 litter depth (cm)	
	0	0	D	0	water depth (cm)	
	>30	8	730	> 30	depth sat	
1		00,000				

**** <5 cm in diameter	*** >5 cm in diameter	**Boulder = > 10 in	* Gravel-Cobble = 1/16-10*	Bedrock	Boulder**	Gravel-Cobble*	Mineral Soil	Histosol	(Sum = 100%)	Underlying Earth Surface*	EARTH SURFACE & GROUND COVER
eter	ter			Ø.	Ø,	Q	100	Ø	percent	Surface*	E & GROUN
Other	Rond/Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm.+ Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	ID COVER
	0	0	O	دو	50	95	LVi	5	percent		

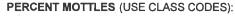
COVER BY STRATA estimate using midpoi	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	,ех:3, 8, 13
Strata	Height Range (m)	Total Cover (%)
Tree	75	98
Shrub	.5-5	ď
Herb	5.5	3
(Floating)*	1	
(Aquatic)*		
rooted and fk	rooted and floating or slightly emersed	sed
** submersed,	** submersed, most plant mass below surface	w surface

□ 1-3 x plot size

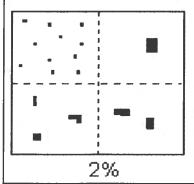
< plot size

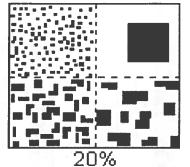
= > 100 x plot size = 10-100 x plot size	STAND SIZE	1 3 5						144
size d size	%E		No tro	□ Gravel	Bootleg unsanctioned	□ All Pupose □ Bridle	Туре	TRAIL INFORMATION: record type and cover for e
			21/			E047 -	%Cover	ON: for each

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



Class	(code	Criteria: % of
	Conv.	NASIS	Surface Area Covered
Few	f	班	< 2
Common	С	# #	2 to < 20
Many	m	# #	≥ 20





Тептасеѕ

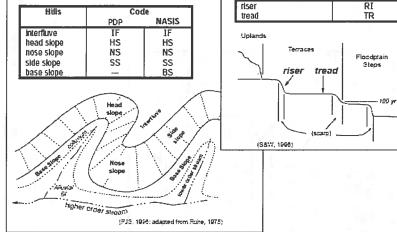
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but excess water does not freely flow from the sample when squeezed. Attempt to roll the sample into a ball. If the soil will not stay in a ball and has a grainy texture, the texture is either sandy or coarse sandy. If the soil does form a ball, squeeze the sample between your fingers and attempt to form a self-supporting ribbon. Samples which form both a ball and a ribbon should be coded as clayey; samples which form a ball but not a ribbon should be coded as loamy.

- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandv
- 4= Coarse Sand
- 9= Not measured make plot note

Position

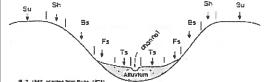
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains;

e.g., (for Hills) nose slope or NS.



Hillstope - Profile Position (Hillstope Position in PDP) - Twodimensional descriptors of parts of line segments (i.e., slope position) along a transect that runs up and down the slope; e.g., backslope or BS. This is best applied to transects or points, not areas.

summit	SU							
shoulder	SH							
backslope	BS							
footslope	FS							
toeslope	TS							
Su Sh								



HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)

UPLAND: Not a wetland. Very rarely flooded.

INTERMITTENTLY/SEASONALLY SATURATED: Dry at least once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season.

Code

Annuai

PERMANENTLY/SEMIPERMANENTLY SATURATED: Dry less than once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier.

OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often characterizes flood-plain upper terraces.

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier.

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was developed for use in the arid West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's Intermittently Flooded modifier.

SEMIPERMANENTLY FLOODED (exposed <1/year): Surface water persists throughout the growing season in most years. Land surface is normally saturated when water level drops below soil surface. Includes Cowardin's Intermittently Exposed and Semipermanently Flooded modifiers.

PERMANENTLY FLOODED: Water covers the land surface at all times of the year in all years. Equivalent to Cowardin's "permanently flooded".

UNKNOWN: The hydrologic regime cannot be determined from the available information.

	FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial):																				
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mall Trees (<	(0.3m DBH)	0	0	(2)	0	0						1	0	0	ETHAL	Small Trees	(<0.3m DBH)	0	0	0	
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	Herbs, Forbs and Grasses									0	0	•		Woody Shrubs, Saplings (<0.5m HIGH) Herbs, Forbs and Grasses O			0	0			
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	Water	0	Ō	0	0	0	1		Water	1	0	0	0	Ō			Water 🚳 🕦	0	0	0	3.75
	ubmerged	(A)			0				ubmerged	(A)	0	(1)	0	$\tilde{\odot}$	- 19		Submerged Vegetation	<u>(1)</u>	0	0	
Submerged Vegetation V												ble.	9								
Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																					
					Flag	Fill bubbl	e if pres	ent -	Plot	1	2	3	Flag	Fill bubble if present - Plot			2	3	Flag		
Road - gra	avel			0	0	0		Ditches, C	hanneliz	ation		0	0	0		Pasture/Ha	ıy	0	0	0	
Road - two	o lane			0	0	0		Dike/Dam		₹ Bec		0	0	0		Range		0	0	0	
Road - for	ır lane			0	0	0		Water Lev		ol Stru	ucture	0	0	0		Row Crops		0	0	0	
Parking Lo	ot/Paven	nent		0	0	0		Excavatio	n, Dredgi	ing		0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0	
Golf Cour	se	100		0	0	0		Fill/Spoil E				0	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)			0	0	
Lawn/Parl	k			0	0	0		Freshly D		Sedir	nent	0	0	0		Nursery			0	0	
Suburban	Residen	itial		0	0	0	W	Soil Loss/	Root Exp	osure	9	0	0	0		Dairy		0	0	0	
Urban/Mu	ltifamily			0	0	0		Wall/Ripra	ар			0	0	0		Orchard		0	0	0	-
Landfill				0	0	0		Inlets, Ou				0	0	0			nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sou (EFFLUENT	OR STORM	WATE	R)	0	0	0		Rural Resi	dential	0	0	0	
Trash				0	0	0		Imperviou (SHEETFLO	W)	: inpu	ı	0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation	Walling Websi	0	0	9	
Other:				0	0	0	L	Other:				0	0	0		Other:		0	0	0	i
Indu	strial D	evel	opm	ent S	Stres	ssor	S						Habit	tat/V	egeta	tion Stress	sors				
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Gas Wells	S			0	0	0		Forest Sel	ective Cu	rt		0	0	0		Mowing/Sh	rub Cutting	0	(b)	0	
Mine (sur	face)		il ell-	0	0	0		Tree Plant	ation			0	0	0		Trails		0	0	@	
Mine (und	lerground	d)	in in	0	0	0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Tree Cano (INSECT)	py Herbiv	vory		0	0	0		Soil Compa (ANIMAL OR I		0	0	0	2
Military O O O							Shrub Lay		ed		0	0	0		Land of the land o	nicle damage	0	0	0		
Other:				0	0	0		Highly Gra (OVERALL <3	zed Gras	ses		0	0	0		Soil erosion OR OVERUSE	(FROM WIND, WATER,	0	0	0	
Other:							Recently B		rest	lies.	0	0	0		Other:			0	0		
						Canopy Recently Burned Grassland (BLACKENED)			0	0	0		Other:			0	0				
	Flag codes: K = No measurement made, U = Suspect measurement., F1,F2, etc. = misc. flags assigned by each field crew. Explain all flags in comment section on the back of this form 2428168304																				
В	Buffer Sa	mple	Plots	05	5/27/	2011		iays in com	ment secti	IOIT OF	uie E	MILK UI	una II	<i>3</i> 1111							

000		AP I	BR	121	7	DAT	E: _(0,0	010	2.1.1.2.0.1.2.				
6 Confirm	a fille	ed da	ta bu	ıbble iı	ndicates presence and an unf	illed l	bubbl	le inc	dicates	absence by filling in this bubb	ole			
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
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0	- 15	Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	i.
Garlic Mustard	0	0	0	111	Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0	=	Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
				7	SELECTION OF SELEC	1	ferd-E			Other:	0	0	0	
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•	FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAP BR 1217 DATE: ○ 6 2 1 20 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag →																					
Site I	D: F	CA	4P C	SR	12	17		-							DATE	: 0,6	121	12	0	1.	2	
Location	on:				416	X			Fill	in b	ubb	le(s) if p	lot(s	s) cou	ıld not be	sample	ed and	flag -	→		
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mall Trees (<	0.3m DBH)	0	0	0	3	0		Small Trees (<0.3m DBH	0	0	0	(3)	0		Small Trees	(<0.3m DBH)	00	0	0	0	
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Woody Shrubs (<0.	, Saplings 5m HIGH)	0	0	0	0	0		Woody Shrub		0	•	0	0	0	111		bs, Saplings 0.5m HIGH)	00	9	0	0	pund
	orbs and Grasses	0	0	②	9	0			Forbs and Grasses	_	0	0	•	0			Forbs and Grasses	00		0	0	
Bare	ground	0	0	0	0	0	-	Bare	ground	0	0	0	①	0		Bar	e ground	00	0	0	0	
Litt	er, duff	0	0	0	0	0		Lit	ter, duff	0	0	0	0	0		L	itter, duff	00	1 -	0	0	
	Rock	0	•	0	0	0			Rock	•	Ō	<u>0</u>	Ō	$\overline{\odot}$			Rock	00	-	0	Ö	
	Water		Ō	<u>3</u>	0	0			Water	0	0	0	0	0			Water	O C	1 = 1	0	ŏ	
	bmerged	(ab)	0	0	0	0			ubmerged	_	0	0	0	$\overline{\odot}$			Submerged			0	ŏ	
	egetation or Pres	_		\sim	_	\subseteq	rm that	the second second	egetation bubble i	ndica	_				unfilled	Village Committee	Vegetation cates abse				_	0
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and a Residential and Urban Stressors Hydrology Stressors										E I			Agricultu									
Fill bubble				1	2	3	Flag	Fill bubble				1	2	3	Flag	Fill bubble			1	2	3	Flag
Road - gra				0	0	0		Ditches, C				0	0	0		Pasture/Ha	ıv		0	0	0	
Road - two				0	0	0		Dike/Dam/	Road/RF			0	0	0		Range			0	0	0	
Road - fou	r lane			0	0	0		(IMPEDE FLO Water Levi		l Stru	cture	1	0	0	-	Row Crops	i		0	0	0	
Parking Lo	ot/Paverr	nent	110	0	0	0	Tile	Excavation	, Dredgii	ng	The last	O	ō	O	15	Fallow Fiel		RESTING	0	0	Ö	7
Golf Cours	e Se	Mass.		0	0	0		Fill/Spoil B	anks	Į.		O	ō	O		Fallow Fiel	d (OLD - GR	ASS,	0	0	0	
Lawn/Park		MIS		0	0	0		Freshly De		Sedin	nent	0	0	0		Nursery	C31	a finite	0	0	0	
Suburban	Residen	itial		0	0	0		Soil Loss/F		osure		0	0	0	3	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	lets			0	0	0		Confined A	nimal Fee	ding	0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	R STORM	WATER	(5	0	0	0		Rural Resid	dential		0	0	0	
Trash			Id, Sei	0	0	0	al.	mpervious (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	
Indus	strial D	evel	opm	ent S	Stres	son	3					- 1	Habi	tat/V	egeta	tion Stress	sors					
Fill 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	ent - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut	(E		0	0	0		Herbicide U	lse		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)			0	0	0		Tree Planta	tion			0	0	0		Trails		e de la companya de l	0	0	0	1
Mine (unde	erground	i)		0	0	0		Tree Canop		огу		0	0	0		Soil Compa			0	0	0	
Military			673	0	0	0		(INSECT) Shrub Layer		d		0	9	0		Offroad veh	Apaleta - I	ge	0	0	0	
Other:			78	0	0	0		(WILD OR DOM Highly Graz	ed Grass	ses		0	0	0		Soil erosion	(FROM WIN	7-1-1	0	Ø	®	2,3
Other:				0	0	0	2000	(OVERALL <3" Recently Bu		rest		0	0	0		OR OVERUSE Other:)	Was Free	0	0	0	ررد
				10000				Canopy Recently Bu	ımed Gra	asslar	nd	0	0	0		Other:			0	0	0	
Other: O O O GIBLACK Flag codes: K = No measurement made, U = Suspect						(BLACKENED) uspect measi	urement	F1.F2	2, etc				igned h		rew.		1					
	uffer Sar				/27/2	Exp		lags in comm										242	28168	3304		

Site ID:	1 (./++	ט						2007.1002	2,1,20,1,2				9. 184
Confirm	a fille	d da	ta bu	ıbble i	ndicates presence and an unf	illed t	oubbl	e ind	licates	absence by filling in this bubb	ole			
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
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	③		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
						Mediani,			4.1	Other:	0	0	0	
					PLOT COORI	DINA	TES							
location of the plot coordinat If Buffer Plot 3 can not be ac Plots are centered on the Bu flag box, and describe where	cesse ffer T the c	filling ed, tal ranse oordi r of F	in the ke the ects a nate:	e coord and the s were as pos	opriate bubble. linates at the nearest practicabl coordinates will indicate the loc	e loca ation sectio	ition A of the	ALON tran ow. T	IG THE sect. Fi he coo	r the Buffer Plot at the AA CEN TRANSECT. This is important I Il in the "nearest practicable locardinates of the nearest practicab	becau	se al	l Buff le, fil	fer II in the be
location of the plot coordinat If Buffer Plot 3 can not be ac Plots are centered on the Bu flag box, and describe where either placed as close to the Location of coordinat O AA CENTER	es by ccesse ffer T e the c cente ces (c	filling ed, tai ranse oordi r of F hoos	ke thects a nate: Plot 3	e coord and the s were as pos ne):	opriate bubble. linates at the nearest practicable coordinates will indicate the loc taken and why in the comment sible or at the center of the last	e loca ation section acce ctical	of the on bekssible	ALON tran ow. T Buff ecatio	IG THE sect. Fi he coo er Plot.	TRANSECT. This is important I Il in the "nearest practicable locardinates of the nearest practicab	becau ation" le loc	se al	l Buff le, fil can	fer II in the be
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location of the plot coordinat If Buffer Plot 3 can not be ac Plots are centered on the Bu flag box, and describe where either placed as close to the Location of coordinat O AA CENTER Latitude Flag Comments	es by cesse ffer T e the c cente es (c	filling ad, tal ranse coording of the coordinate of the coor	in the ke the cts a material at the cts a material at the cts a material at the cts at t	e coordand the s were as post ne): O E3	opriate bubble. linates at the nearest practicable coordinates will indicate the loc taken and why in the comment sible or at the center of the last O W3 O Nearest pra Use Decimal Degree	e loca ation sectio acce ctical Lon	of them beken beken ble lo	ALON transow. To Bufff cate of the Bufff cate of	ig THE sect. Fi he coo er Plot. on (flag	TRANSECT. This is important I II in the "nearest practicable locardinates of the nearest practicable and comment below)	becau ation" alle loc	se all bubb attorn	I Buffile, file can	fer II in the be
location of the plot coordinat If Buffer Plot 3 can not be ac Plots are centered on the Bu flag box, and describe where either placed as close to the Location of coordinat O AA CENTER Latitude Flag Comments 2 Plot #	es by ccesse ffer T the ccente ccente ses (c	filling dd, tal ranse oordi r of F	in the	e coorde appropriate coorde as were as possible. O E3	opriate bubble. linates at the nearest practicable coordinates will indicate the location and why in the comment is sible or at the center of the last O W3 O Nearest pra Use Decimal Degreen	e loca ation sectio acce ctical Lon	ntion / for the form beken beken beken beken beken bele lo	ALON transport	ig THE sect. Fi he cooler Plot. on (flag	TRANSECT. This is important I If in the "nearest practicable locardinates of the nearest practical locardinates and comment below)	becau ation" alle loc	se all bubb attorn	I Buffile, file can	fer II in the be
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Buffer Sample Points - Targeted Alien Species 05/27/2011

											66											
•				aŭ)	20	195	FOI	RM B-1:	BUFF	ER	SAI	MPL	E P	LOT	S (F	ront)		Reviewed	d by (init	al):	_	•
Site I	D: P	A	PB	B	117	11	7								DATE	.0.6	121	13	20	.1.	2.	
Location							W. L.H		Fill	in b	ubb	le(s) if p	lot(s	s) cou	uld not be	sample	d and	d flag	\rightarrow	Г	
OAAC	Center	0	N	0	S	O	≣ ●	W	OP	-	_	15.45	Plot		1000000	Plot 3						
								s; E = Evergre		ype: E	= Br	oadlea	f; N = I	Veedle	e Leaf. A	Absent: No tre oderate(10-40		vy (40-7	5%); 4 =	· Very I	leavy (>75%)
Buffer	Canopy	у Тур	e: (AI	bsen	t: O	Buffer	Canopy	у Тур	e: (At	sent	: O	Buffer	Canopy	Type:	(A	bsent	: 0
Plot 1	Lea	f Тур	e: 🕡) (D		Flag	Plot 2	Lea	f Typ	e: 🐠) (Flag	Plot 3	Leaf	Type:	(Flag
Big Trees (>	0.3m DBH)	0	0	1	0	0		Big Trees (>	0.3m DBH)	0	0	(2)	@	0		Big Trees	(>0.3m DBH)	0	⊙ @	0	0	
mall Trees (<	(0.3m DBH)	0	0	②		0		Small Trees (<0.3m DBH)	0	0	(2)	(3)	0		Small Trees	(<0.3m DBH)	0	D C	0	9	
Woody Shrubs (0.5m-	s, Saplings -5m HIGH)	0	(1)	0	0	0		Woody Shrub (0.5rr	s, Saplings i-5m HIGH)	0	(2	0	0			ubs, Saplings 5m-5m HIGH)	0	3	0	0	
Woody Shrubs (<0.	s, Saplings .5m HIGH)	0	0	0	0	0		Woody Shrub (<0	s, Saplings).5m HIGH)	0	(2	0	0			ubs, Saplings <0.5m HIGH)	0	(2)	0	0	
	orbs and Grasses	0	(0	0	0			Forbs and Grasses	0	0	3	@	0		Herbs	Forbs and Grasses	0	① 《	0	0	~
Bare	ground	(0	②	0	0		Bare	ground	0	0	(0	0		Ba	re ground	0	2	0	0	
Litt	ter, duff	0	0	②	0			Lit	tter, duff	0	0	(0	0		ı	itter, duff	0	D	0	@	
	Rock		0	0	0	0			Rock		0	2	0	0			Rock	() C	0	0	
	Water	@	0	2	0	0			Water		0	0	0	0			Water	(3)	D G	0	0	
	bmerged egetation	•	0	(2)	0	0			ubmerged egetation		0	(2)	0	0			Submerged Vegetation	@ (D	0	0	
	1000000	-	e/Ab	send		_	rm that			ndica		resen	ce an	d an i	unfilled	bubble indi		nce by	filling	this bu	bble.	0
Resi	dential	and	Urba	an S	tres	sors		Torral DAY	Hydrolo	gy S	tres	sors					Agricultu	ıral &	Rural	Stres	sors	
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble				1	2	3	Flag	Fill bubble	e if preser	ıt - Plo	t 1	2	3	Flag
Road - gra	ivel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ay		C	0	0	
Road - two	lane		10.0	Ō	0	0		Dike/Dam/		Bed		0	0	0		Range		II SH	C		0	
Road - fou	ır lane		000	0	O	0		Water Lev		Stru	cture		0	0		Row Crops	3	H. Neily	C	100	0	
Parking Lo	ot/Pavem	ent		0	0	0	-	Excavation	ı, Dredgir	ng		0	0	0		Fallow Fie		RESTING	· C	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Fie	ld (OLD - GR	ASS,	C	0	0	
Lawn/Park	(D.J.	198	0	0	0		Freshly De (UNVEGETAT		Sedin	ent	0	0	0		Nursery			C	0	0	
Suburban	Residen	tial	115	0	0	0		Soil Loss/F	Root Expo	osure		0	0	0		Dairy			C	-	0	
Urban/Mul	Itifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard			C	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A	Animal Fee	ding	C	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	OR STORMY			0	0	0		Rural Resi	dential	_ 1111	C	0	0	
Trash				0	0	0		Impervious (SHEETFLOW		Input		0	0	0		Gravel Pit	WITH THE T		C		0	
Other:				0	0	0		Other:				0	0	0		Imgation			C		0	
Other:				0	0	0		Other:		_		0	0	0		Other:				0	0	
Indus	strial Do	evelo	opm	ent S	Stres	sor	S					Sal l	Habit	at/V	egeta	tion Stres	sors					
Fill bubble	if prese	ent - i	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	ole if prese	ent - Pl	ot 1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide l	Jse		C	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting)	C	0	0	
Mine (surfa	ace)	Toler .		0	0	0		Tree Planta	tion		80	0	0	0		Trails			C	0	0	1
Mine (und	erground	1)		0	0	0		Tree Canop (INSECT)	y Herbivo	огу		0	0	0		Soil Compa			C	0	0	
Military				0	0	0		Shrub Laye		d		•	0	0		Offroad vel	Total Santy	ge	C	0	0	
Other:				0	0	0		Highly Graz	ed Grass	ses		0	0	0		Soil erosion		ID, WATE	_		0	
Other:				0	0	0		Recently Bu		rest		0	0	0		Other:	· L				0	
Other:				0	0	0		Recently Bu		assla	nd	0	0	0		Other:					0	
	ag codes:	K = N	o me	10000		made			urement.,			= mls	c. flag	s assi	igned b	y each field o	rew.	0				
	uffer San				/27/:	Exp		lags in comm							The last	1914194		2	4281	0600	4	

FC	RM	B-1	l: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TE) ALI	EN SPECIES (Back) Reviewed by	(initial	ı):		
Site ID:	80	AF) B	x /3	17	DAT	E: _C) (2.1.1.2.0.1.2				
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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
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
	10		1000							Other:	0	0	0	
	73.15				PLOT COOR	DINA	TES					113		
O AA CENTER O N Latitude I	3	O S	3	O E3	O W3 O Nearest pra	Lor	gitu	de V	-	g and comment below)	.7.		Fla	
Flag Comments														
		lav			wetlandgeast raminus, ba					filori's, privet				
Ruffer Sample P	ninte	Tar	act-	d Alies	Species 05/27/2011					796	662	354	8	•

O Cito	ID: -		0.0				FOR	RM B-1:	BUFF	ER :	SAN	/IPL	E Pl					Reviewe		1 1 1 1	M	- (
Site I		CA	9	3r	19	17										06						<u>}</u>	
Location																ld not be	sample	ed an	id fla	g –	→		
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Fill in bubble Strata Section	es for all thon: Fill in a	nat app approp	oly: Ca oriate d	nopy over o	Type:	D = D	eciduou for eacl	s; E = Evergre	en. Leaf T	ype: B	= Bro	adleat	N = N	leedle	Leaf. A	bsent: No tree	e canopy. %); 3 = Hea	vy (40-	75%);	1 = Ve	ery He	avy (>	75%)
Buffer Plot 1	Canopy	f Typ				osen	t: O	Buffer Plot 2	Canopy	y Typ f Typ	$\stackrel{\sim}{\sim}$	\sim		sent	: O	Buffer Plot 3	Canopy Leaf	Type:	$\stackrel{\sim}{\sim}$	(F)	Abs	sent:	O Flag
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	Rock		0	0	0	0			Rock	0	$\frac{\circ}{\circ}$	0	-	0			Rock	-	-	_	0	0	
	Water		0	0	0	0			Water	0	0	0	0	8			Water	0		3	<u></u>	0	
	ıbmerged		0	0	0	0			bmerged	0	$\frac{\circ}{\circ}$	0	0	$\frac{\circ}{\circ}$			Submerged	0		_	0	<u></u>	
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	dential						nn unat		Hydrolo								Agricultu			A	-		
Fill bubble			Sand marks	1	2	3	Flag	Fill bubble			TOTAL PROPERTY.	1	2	3	Flag	Fill bubble				1	2	3	Flag
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Road - two				0	0	0		Dike/Dam/	Road/RR			0	0	0		Range			_	0	ö	0	
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Parking Lo	ot/Paverr	nent		o	0	0		Excavation	n, Dredgir	ng		0	O	0		Fallow Fiel		RESTIN		o	o	0	
Golf Cours	se			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Field	d (OLD - GR	ASS,		0	0	0	
Lawn/Park	(HES		0	0	0		Freshly De		Sedim	ent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/I	The second second	osure		0	0	0		Dairy				0	0	0	
Urban/Mu	ltifamily			0	0	0		Wall/Ripra	Р			0	0	0		Orchard				0	0	0	
Landfill	THE L			0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping	N Pro	i ju		0	0	0		Point Sour (EFFLUENT C	OR STORM			0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOV		input		0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0		Other:				0	0	0		Imigation				0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:			_	이	이	이	
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Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	lse			0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	9		0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta				0	0	0		Trails				0	0	0	
Mine (und	erground	i)		0	0	0	d or the transition	Tree Canop (INSECT)	y Herbiv	огу	N B	0	0	0		Soil Compa (ANIMAL OR H				0	0	0	
Military				0	0	0		Shrub Laye		d		0	0	0		Offroad veh	nicle dama	ge		0	0	0	
Other:				0	0	0		Highly Graz	ed Grass	ses		0	0	0		Soil erosion OR OVERUSE		₹D, WAT	TER,	0	0	0	
Other:		370,83		0	0	0		Recently Bu		rest		0	0	0		Other:				0	0	0	
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В	uffer Sar	nple	Plots	05	/27/2		iain all f	lags in comm	ient sectio	on on	tne ba	CK Of	inis to	rm								4	

Site ID:	PC.	AP	DI	191						LI 12012				
Confirm	a fille	ed da	ta bı	ıbble iı	ndicates presence and an unf	illed t	oubbl	e ind	licates	absence by filling in this bubl	ole			
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Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
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Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0	·	Other:	0	0	0	
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	34-1				PLOT COORI	DINA	TES	100					791	
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OAAC	Center	С	N	•	S	OE	E 0	W	OP	lot 1	1	01	Plot	2	OP	lot 3						
F:11 :- L	6II st	-4	- L - O-		T	D - 5	\!d		Buffer							boost: No tro						
Strata Section	es for all tr on: Fill in a	approp	piy: Ca priate c	cover	lass t	D = L	e for eacl	s; E = Evergre n strata type fo	or each plo	t. 0 = /	Absen	t; 1 = \$	Sparse	(<10%	6); 2=Mc	bsent: No tre oderate(10-40	%); 3 = Heavy	(40-75	%); 4 = \	ery H	eavy (>75%)
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Big Trees (>	0.3m DBH)	0	0		0	0		Big Trees (•0.3m DBH)	0	0	(1)	0	0		Big Trees	(>0.3m DBH)	$\odot \odot$	0	0		
mall Trees (<	:0.3m DBH)	0	0	2		0		Small Trees (<0.3m DBH	0	0	@	0	0		Small Trees	(<0.3m DBH)	0		<u>(1)</u>	0	62-15
Voody Shrubs (0.5m-	s, Saplings -5m HIGH)	0	(0	0	0		Woody Shrub (0.5rr	s, Saplings r-5m HIGH)	0	0	2		0			ubs, Saplings 5m-5m HIGH)	\odot	0	(3)	0	
Voody Shrubs (<0.	s, Saplings .5m HIGH)	0	(0	<u> </u>	0		Woody Shrub (<0	s, Saplings).5m HIGH)	0	(2	0	0			ubs, Saplings <0.5m HIGH)	0	0 0	0	0	
Herbs, F	orbs and Grasses	0		0	0	0		Herbs,	Forbs and Grasses	0		2	0	0		Herbs	Forbs and Grasses	0	0	3	0	
Bare	ground	(0	0	0	0		Bare	ground	(0	0	0	0		Bai	re ground (0	0	0	0	
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	Rock	(0	0	0	0			Rock	0	@	0	0	0			Rock		0	0	0	
	Water	(1)	0	①	0	0			Water		0	0	0	0			Water	(9)	0	0	0	
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			e/Ab	senc	:e - (rm that		- 5	ndica	tes p	esen	ce and	d an i	unfilled	bubble indi		ce by	filling th	is but	ble.	2
Resi	dential	and	Urba	an Si	tress	sors			Hydrolo	gy S	tres	sors			PAGE		Agricultui	ral & F	Rural S	itres	sors	
ill bubble	e 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	avel			0	0	0		Ditches, C	hanneliza	ation		0	0	0	2 M. A. BAR MIL!	Pasture/Ha	ау		0	0	0	
Road - two	alane			0	0	0		Dike/Dam/		8 Bed		0	0	0		Range			0	0	0	
Road - fou	ır lane			0	0	0		Water Lev	0.000	l Stru	cture	0	0	0		Row Crops	S *		0	0	0	
Parking Lo	ot/Pavem	nent		0	0	0		Excavation	n, Dredgii	ng	alli.	0	0	0		ROW CROP FIEL			0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil E				0	0	0		Fallow Fiel SHRUBS, TRI	ld (OLD - GRAS EES)	SS,	0	0	0	
Lawn/Park	(0	0	0		Freshly De (UNVEGETAT		Sedin	nent	0	0	0		Nursery			0	0	0	
Suburban		tial		0	0	0		Soil Loss/I		osure	ME	0	0	0		Dairy			0	0	0	
Urban/Mul	Itifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard			0	0	0	
Landfill				0	0	0	:	Inlets, Out Point Sou				0	0	0			Animal Feed	ling	0	0	0	
Dumping		- 3 44		0	0	0		(EFFLUENT O	OR STORM			0	0	0		Rural Resi	denuai		0	0	0	
Trash				0	0	0		(SHEETFLOV				0	0	0		Gravel Pit Irrigation			0	0	0	
Other: _		-	_	0	0	0		Other:				0	0	0		Other:			0	0	0	
Other:			4,000	0	0	0		Ouler.			WEZ	0	0		(English				10		U	AVE CO
	strial D	2-2		T												tion Stres			1.			
Fill bubble		ent - i	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	ole if prese	nt - Plo		2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut	21.27		0	0	0		Herbicide U	Jse		0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting		0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta				0	0	0		Trails Soil Compa			0	0	0	
Mine (und	erground	1)		0	0	0		Tree Canor (INSECT)				0	0	0		(ANIMAL OR I			0	0	0	
Military	SI'II			0	0	0		Shrub Laye (WILD OR DOI	MESTIC)			0	0	0		Anna Caretta Caretta	hicle damag		0	0	0	
Other:				0	0	0		Highly Graz OVERALL <3	HIGH)			0	0	0		OR OVERUSE	n (FROM WINE E)	, WATE	0	0	0	
Other:				0	0	0		Recently Br Canopy				0	0	0		Other: O	ne stav	nd	_ 0	0	0	1_
Other:				0	0	0		Recently B (BLACKENED)		assla	nd	0	0	0	*	Other:			_ 0	0	0	
● Fi	ag codes	: K = I	No me	asure	ment	made	e, U=S	uspect meas lags in comn	urement.,	F1,F	2, etc.	= mis	c. flag	s ass	igned b	y each field o	rew.	24	2816	8304	4	
В	uffer Sar	nple	Plots	05	/27/			-ya m com	25641	J., JII		-un UI	a 16					0				

© Confi	rm a fille	ed da	ta bu	bble ir	ndicates presence and an uni	illed l	oubbl	e ind	licates	absence by filling in this bubl	ble	terifie		
Fill bubble if present - P	lot 1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
		(III								Other:	0	0	0	
		BIF.		Sec.	PLOT COOR	DINA	TES	una o	Neville Neville		He st	1000		
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