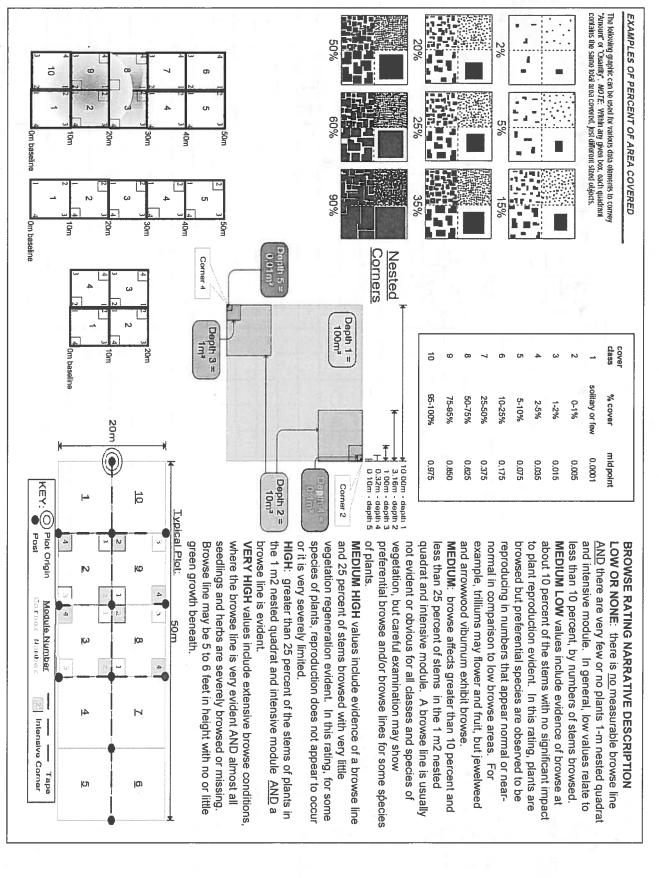
CLEVELAND MET	ROPARKS Plant Community Asses	_	ACTION AND ADMINISTRATION OF THE ACTION AND ADMINISTRATION AND ADMINIS
Project Label:	PCAP	_ Plot No	: 341 Date Sampled: 6-24-12 Lead: Eysen
			Comment required if item answer is NO
Parking/Access outsid	e of Park Boundaries:	Y (N)	If yes, write details in Comments section below
Field journals complet		Y N	
Site sketch made on 1:		Y) N	
Check cover page	X-axis Bearing of plot recorded	(V) N	
	GPS coords. Recorded	Y) N	200000000000000000000000000000000000000
	North direction recorded	YN	
	Photographs taken?	(V) N	
Plot No., Date agreem		(Y) N	
Header data completed	** ** **	Ø N	
	i in all Intensive modules	EV N	
Browse Level By Spec		N N	
Woody stem quality co		CY N	
Invasive plant quality	control check	N N	NIA
Ash trees mapped		Y N	NA
Cover by Strata? (conf		N N	
Soil samples collected		Y N	
Vouchers labeled on d	atasheet with initials and number	Y N	
Vouchers labeled on c	ollection bag	(Y) N	
Pink flags removed		Y N	
Data sheet QA before	leaving site?	YN	100 100 100 100 100 100 100 100 100 100
Common equipment re	eturned to tub.	Y N	
Data sheets scanned?			Enter date to left
Final data sheets scann	ned?		Enter date to left
Buffer Widths measure	ed?	O N	SRE 10-01-12
Web Soil Survey	:	(Y) N	SRE 10-01-12
Voucher Location	Refrigerator	YN	
(# vouchers collected)	Press (#)		Enter number to left
Touchers conductely	Drier	Y N	
	Identified	YN	The state of the s
	Mounted	YN	The state of the s
	Thrown away	Y N	
	ion: Is plot sampleable?		
Yes	Original GRTS point is sampleable		
□ No	Original GRTS point lands in a non-s		fill in category below)
	Point falls in a water (i.e. river, la		MARTS BAR CO. L. C.
	☐ Managed mowed area (i.e. golf of Paved area (i.e. parkinglot, road)	course, picnic area, rig	ht-of-way)
	Unsafe to sample (i.e. steep slope))	
	D Other		
Additional Comment	s:		

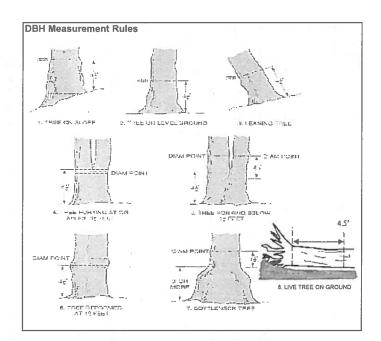
CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet Project Label: PCAP Project Name: $\bigcirc \bigcirc \bigcirc \bigcirc$	nunity Assessment Pro	ogram - Backgroun Project Name:	- Background Data Sheet Project Name: () N ⊂ ⊋ () }	<u>ب</u>	Plot No.:	Plot No.: 3441	Page 2 of 2
MODIFIED NATURESERVE CLASS*			DISTURBANCES	ES			
	Fit=Conf=		type* severity**	* yrs ago	% of plot	description	
ROBE							
			Natural				
COMMUNITY NAME:			Fire				
Successional seder madein	sedge mada		Cut				
	C		Animal /	0	100	Door Browse	
			Other				
HOMOGENEITY			**L=low, ML=med	low, M=med	, MH=med	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	
Homogeneous Compositional trend across the plot	end across the plot		Current Land Use:	Park			
□ Conspicuous inclusions □ Irregular/pattern mosaic	nosaic		Former Land Use:	() p	F		
	HYDROLOGIC REGIME*	ME*					
	□ Upland (seldom flooded)	□ Interm	□ Intermittently flooded				
SALINITY*	Intermittently/seasonally saturated		□ Semipermanently flooded				
□ Saltwater	(seldom flooded)	Perma	 Permanently flooded 				
□ Brackish	□ Permanently/Semipermanent. saturated		□ Tidal/Seiche flooded daily				
Fresh	(dry <1/yr, seldom flooded)		☐ Tidal/Seiche flooded monthly	lly			
□ Upland (n/a)	□ Occasionally flooded (<1/yr)		☐ Tidal/Seiche flooded irregular	lar			
	□ Temporarily flooded	(e.g. 1	(e.g. wind, storms)				
(by default unless plot is a wetland)		Unknown	own				
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	of plot to the stand, succession	onal status, maturity, etc.					
Plot is right next	som cent	Ley Yery	MSIGN		Mak	not opt as al	029
the western border of the plot, Brows was heavy on Ash, Elm and the	r of the	lot, Brow	Sam Bas	reary	20	Ash, Elmon	2 4
Willow herb. Site is	flut who	woody d	ebris or	Ara.	TS Y	unning throu	17) H.
The sedays + gras:	res are alm	usb don	e 701 61	آغ ع	est.	for was very	100

		2		2	A CYS	2	S T	NIE	- 4	م ا	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2		الم الم الم	22 9.0.	2 6	378	2 9.9.	8	<u>e</u>	\ <u>\</u>	2 C'v	<u> </u>	S A A	6 25	S H (F)(A) Br	Strata - Cov. entire plot	mujuma	Cleveland description	Br	3		Total modules:	CLEVELAND METROPA Project Label:
		three Salicary	in an cancolone	salia simplax	simechina almand rita	hamnes Freazyles	rabials sq	Metasequena sp. chipt	mcs amovican		ICC S IBACITUS			The JS Officers	Puereus palustris	CLOUS SA	2	mphysicidhun lances	ch Transectors	themica svamintohia	rehyster chung Pitate	A STANDARY WILLSAN	χ Λ	Grastis giacotea	grostis stalonisera	Species		entire plot	describe amount of browse per species over	Br = Browse Level. Use cover classes to			4	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: CINC 2017
+	\dashv			L	\vdash	\perp	╀	Strol	-	+	+	4					_	af				×(1)				C	m%	%un		inte	Esti		Inte	nent F
								oboides										Š			CY	MAN				-	%unveg. litter (bare litter)	%unvegetated open water	%open water	intensive module:	Estimate for each		Intensive modules:	Project name:
											_	_		2	Ŋ	શ્ડ	N		ಬ	စ	W	7	4	4	7	depth		<u> </u>	1	deplh	- mod		4	es Cover
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CIUVE VID MET	PORABICO Diseas Community Assessment		
Project Label:	PCAP	Project Label: PCAP Project name: 0/NC2012 Plot no.: 314)	
Total modules:	T	ıfigurat	0.04
®	Br = Browse Level. Use cover classes to	Estimate for each intensive module: mod corner mod c	corner mod corner mod corner 4 4 2 2 R R 1 cov depth cov depth cov
Metroparks	entire plot	%unvegetated open water 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ata-		%unveg, litter (bare litter) 1	
T S H (F)(A) Br	Species	depth cov depth	cov depth cov depth cov
2	Carea valpinovalen		
2	La transcarex to bulgida		
2)	Schoolcown S arundon alex	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
2	Tolyson percharge	& &	
じ	Echinochloca sp.	25	<u>-</u>
N)	the represent		
Q	Succes temis	25 20	بو
83	Possesso.	-	R)
D	Talygonem Dusican		Q Q



												20		100	IF	nod #	-	Exp		LEVEL
											9	0	2/0		ZX Z	species		Explain subsample (additional room on back):	Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet
																n		on bac		nt Cc
																voucher#		0	PCAP	mmunity
													1				# stems		•	Assessm
																41.4	% sub		Projec	ent Pro
7 10									3			alu i				Dg b	#		t Name:	gram N
													ì		-	0-<1	size class		DINC	latural V
																2 1-<2.5	(cm) woo		Project Name: 01NC2012	Woody :
																2.5-<5	size class (cm) woody stems >1.4m		•	Stem Da
																5-<10	1.4m		Plot No.: 344	ta Shee
																5 10 - <15		la la	3441	
										E S						6 15 - <20				
																7 20 - <25			Page:	
				1000											III	8 25 - <30			_	
			112		200											9 30 - <35		'	of,	
																10 35 - <40			CO gienei	>
																11 >40 (record each tree)			CO gleweland Metroparks	



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

10













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.



В

С

D

Е

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).
- B: Over 50% of main branches have fine twigs.
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet 20 18 16 ⊡ Tree 25 24 23 22 21 19 17 끖 4 ည 12 ⇉ 70 6 ဖ * If Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m2 x 21.5m
Woodpecker and epicormic marked present (1) or absent (0) Project Label: PCAP Voucher # Project Name: 0/NC20/2 (cm) Ash *Dead condition ASH Only

ad #Exit Ep-Epicormic INTENSIVE MODULES ONLY
Plot No.: 344 Date: 8/24//2 Woodpacker holes Baseline Map all ash trees ≥10cm in each module using Tree ID number *** Change intensive module numbers when necessary 9 N Z Page: 1 of 2 8 ω

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



	/ Parti		100	A Property of				
Tier 1: Early detection	n/ Rapid response	6 6 50		representation, and	ence	1	GPS	
		3722	NE	SE	SW/	NW		Presence
Microstegium vimineum	Japanese stiltgrass		_	-	Can	10	sample	X: yes
Ranunculus ficaria	Lesser Celandine		-		 			_
) Black Swallow-wort			·	-	_		-
) Flowering Rush		<u> </u>	-	<u> </u>			4
Heracleum mantegazzianum	Giant Hogweed		-		The second second	10000		
Tier 2: Assess	as Needed		M. F.	-	Plants	-	comments	
			NE	SE	SW	NW		# of Plants
Acer platanoides	Norway Maple							1: 1-10
Ailanthus altissima	Tree of Heaven							2: 11-50.
Lonicera japonica (vine	Japanese Honeysuckle	2						3: 51-100
Lythrum salicaria (wetland	Purple Loosestrife							4: 101-1,0
Aegopodium podagraria (G-cover) Bishop's Goutweed							5: >1,000
Celastrus orbiculatus (vine	Asian Bittersweet							
Torilis sp.	Hedgeparsley							7
Conium maculatum	Poison Hemlock							7
Rhamnus cathartica	Common Buckthorn	(shrub)						7
Berberis thunbergii	Japanese Barberry	(shrub)	1	12				7
Alnus glutinosa	European Alder	,/	<u> </u>					1
Dipsacus laciniatus	Cut-leaf Teasel							1
Elaeagnus umbellata	Autumn Olive	(shrub)			 			1
Lonicera maackii	Amur Honeysuckle	(shrub)		\vdash				┨
Euonymus fortunei	Wintercreeper	(Siliub)	_	\vdash	-			-
Tier 3: Presence		No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of	100000	ا عمر ال	Plants	ALLES	Commant	0
ner 3: Fresence	is of interest		NE	SE	SW	NW	comments	# of Plants
Convallaria majalis (G-cover) Lily of the Valley		IVE	DE	DAA	MAN		1: 1-10
				\vdash	-			2: 11-50.
,	/	(alamida)		-	-			_
Eleutherococcus pentaphyllus	Five-leaf Aralia	(shrub)		-	-			3: 51-100
) Japanese Pachysandra		_	-	 			4: 101-1,00
Philadelphus coronarius	Mock Orange	(shrub)	_	-				5: >1,000
) Lungwort	•	_	-		\vdash		4
Rubus phoenicolasius	Wineberry			<u> </u>				_
) Yellow Flag Iris			<u> </u>				_
Ornithogalum umbellatum	Star of Bethlehem			<u> </u>				4
Viburnum opulus var. opulus	European Cranberry							4
Viburnum plicatum	Doublefile Viburnum	(shrub)						
Tier 4: Widespread	and abundant	SENGS.	2534	The state of the s	ence		comments	
		NO GE	NE	SE	SW	NW		# of Plants
Alliaria petiolata	Garlic Mustard							1: 1-10
Ligustrum vulgare	Common Privet	(shrub)	' 3					2: 11-50.
L. morrowii, L. tatarica	Bush Honeysuckles	(shrub)						3: 51-100
Phalaris arundinacea	Reed Canarygrass							4: 101-1,0
Phragmites australis (wetland)	Phragmites							5: >1,000
Polygonum cuspidatum	Japanese Knotweed							
Frangula alnus	Glossy Buckthorn	(shrub)	<u>"3</u>	* 4				1
Rosa multiflora	Multiflora Rose	(shrub)	*3	-2				7
Typha angustifolia, T. x.glauca	Cattails (wetland)	, ,	Ť			М		7
Cirsium arvense	Canada thistle		1	17				1
Dipsacus fullonum	Common Teasel		2		\vdash	$\vdash \vdash$	· · · · · · · · · · · · · · · · · · ·	†
Hesperis matronalis	Dame's Rocket		~	\vdash		\vdash		-
			* 5	•5		\vdash	1/ 1.1	
Vinca minor (G-cover)	Periwinkle		0	1			16 orge patch each a	00

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

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

Project label: PCAP Project Name: 0/NC 20/2

(Coloresiand Metroparks

Page: 1 of 1

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

Soll plt module # 2 |one per entire plot) 20 cm 5 cm matrix color 2,5 Y hydro, cond, *** matrix color 2,57 texture* oxid roots edox features** texture* edox features** xid roots ydr. cond.*** mottle mottle ottle color ottle color 2 S 0 I S M 3 (R) Ζ 0

refer to texture classes on reverse side

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

•• e.g. hydrogen sulfide odor, gleying, etc. Circle one:

lotes: include evidence of earthworms (worms, indundated S=saturated M=moist D=dry

organic depth l litter+ (cm) 5

> water depth (cm)

> depth (cm 2 litter

m Q Q

astings, middens)

No carthworms, Castings crandoens

N

0

730 730 730 depth sat soil (cm) 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

SRE 10-1-12	□ Impermeable surface	□ Well drained □ Moderately well dr. December 2 □ Well drained □ Wery poorly dr. □ Very poorly dr.	□ Excessively dr. □ Somewhat excessively	MANAGO	Parent Material: 7))	Depth to rest. Layer: 40 +0 6011	Landform type: Till plains	Soil Series Source: Ohio Soil Survey	Soil Series/Type Oab Darian S	West Side him or Informations	2,3,8,9 composited A	Soil Collection Module Horizon (A, B, C)
						16.18x			Devisen Silt loum			

**** <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*	EARTII SURFACE & GROUND COVER
neter	eler	n'		0	0	0	106	0	percent	Surface*	E & GROUN
Other	RosdTrail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm. + Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Euch ≤ 100%)	Ground Cover	D COVER
0	0	0	0	0	0	Ť	0	1	percent		

COVER BY STRATA estimate using midpoi	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	,ex:3, 8, 13
Strata	Height Range (m)	Total Cover (%)
Tree	5,0	χ,
Shrub	1.5	0
Herb	× - /	98
(Floating)*		
(Aquatic)*		
rooted and fig	 rooted and floating or slightly emersed 	sed
** submersed,	** submersed, most plant mass below surface	w surface

STAND SIZE

> 100 x plot size 10-100 x plot size

>600 x plot size

TRAIL INFORMATION:	
record type and cover for each	ach
Туре	%Cover
□ All Purpose	
□ Bridle	
□ Hiking sanctioned	
□ Bootleg unsanctioned	
□ Gravel	
□ Deer	
111	

7
0
3
5

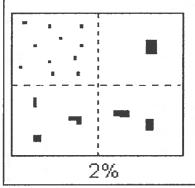
COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	,ex:3, 8, 13
Height Range (m)	Total Cover (%)
5.8	8
1.5	0
× - /	98
)
•	
 rooted and floating or slightly emersed 	sed
** submersed, most plant mass below surface	w surface
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY CO	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.
	Height Range (m) S - M

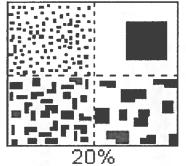
3-10 x plot size

ı	_	_
	plot size	-3 x plot size
Г	ize	ot size
		.,

PERCENT MOTTLES (USE CLASS CODES):

Class		ode	Criteria: % of
The second	Conv.	NASIS	Surface Area Covered
Few	H f	11	< 2
Common	С	# #	2 to < 20
Many	m	#	≥ 20





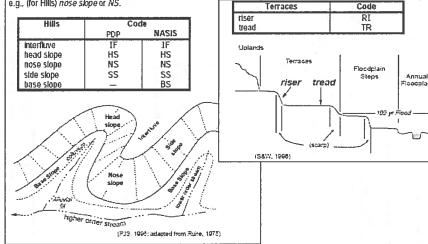
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but 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= Clavev
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

Position

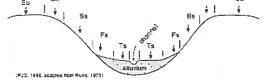
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains;

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



Hillslope - Profile Position (Hillslope 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 shoulder backslope footslope toeslope	SU SH BS FS TS	
 Sh Sh	<i>ે</i>	' Es



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.

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.

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

Project Label: PCAP Project Name: ONC2012

Plot No .: 344

(A) discussioned Metro porton Page: 1 of 1

PROGRAM - DO NOT FILL OUT IN FIELD]

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

	7	W	v.		Module #
	<	V	/	<	C?
	~	1	1	_	Comer Corner
-	W	W	W	W	Corner

CLASSIFICATION		
FIT = excellent g Fit and Confidence		
lydrogeomorphic class (WETLANDS ONLY):		
DEPRESSION	FII-6	Conf=H
IMPOUNDMENT Beaver Bunnan	E	Conf
RIVERINE - Headwater - Mainstem - Channel	Fift	Conf
2 SLOPE (ground water hydrology or on a physical slop)	File	Conf.
FRINGING = Reservoir = Natural Lake	File	Conf =
COASTAL (specify subclass)	7	Conf=
BOG (strongly, moderately, weekly ombrotrophic)	Fit	Conf=
Dhie EPA VIBLPIant Community Class (WETLANDS ONLY):	:CYTN	
FOREST is swamp forest in bog forest in forest seep	1 1	Conf=
EMERGENT marsh wet meadow open bog	Fit= C	Conf≃ H
3 SHRUB a shrub swamp a tall sh. bog a tall sh. fen	File	Conf=

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Stope 1 = slight elevational grade across module (hill) Ranks for microhabital features. Select one or select two and average the score.NOTE: If mod falls on a slope automatically gets ranked based on steep 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

		4	W	N	1	med#						
		24	24	24	24	corner						
		57	8 17	59	25	(count)	ixim	depth 3	930 00	tussocks	no of	
		0	3	0	G	(count)	3 16x3 16m	depth 2	uplands (Tip-Ups)	hummocks	no. of	
		W	0	N	2	(count)	10x10m	depth I		depressions	no, macro,	
		0	0	0	8	(count)	10x10m	depth 1		(2-12 cm)	c,w,d	
		0'	2	2	0	(count)	10x10m	depth 1		(12-40cm)	c.w.d	
		0	0	0	0	(count)	10x10m	depth 1		>40 cm	c,w,d	
		U	g)	4	u	(rank)	10x10m	depth I		interspers.	microhab	
		0	0	0	0	(rank)	10x10m	SLOPE			microhab	

horizon. TSI is angles formed by local slopes. For TSI measure angle from recorders eye to

LFI is angle of plot to the

> away eve of person standing -10 m

			-
corresonding space (4 dots per grid square)	readings per module facing N. S. E. W. Place dot count in	CROWN COVER (DENSIONETER): Make 4	

90 48	13 84	82 31	11 58	Module
95	36	9.4	45	s
36 36	16	39	27	m
98	96	36	96	¥

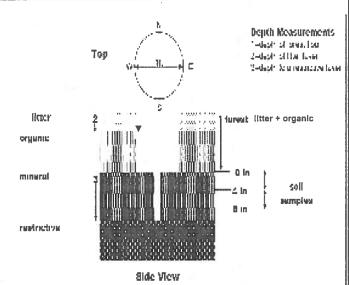
COVER BY STRATA

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.



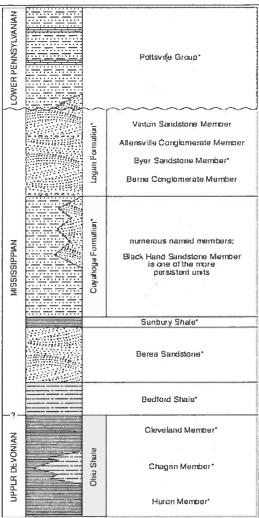


FIGURE 3-20.—Generalized section of Upper Devonian, Mississippian, and Lawer Pennsylvanian formations in northeastern Onto Asterisks molecute units that are localiferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the intelmesses indicated are proportional. The term "Waverly is used in the older literature to refer to Mississippian rocks in Otio. Some geologists uses the European term "Carbonierous," which encompasses the Mississippian and Pennsylvanian Periods of the U.S. Many limits have been named within the Cuyahogs Formation, but most units are local and cannot be traced over great distances. The Black Hisha Member is a spectarular missive sandstone that is fairly widestread four discontinuous. See Hyde (1933), Horver (1950), and Collins (1975) for more information on Mississippian rocks in Ohio. See figure 3-13 for explanation of rock types.

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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	
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Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
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nall Trees (<	(0.3m DBH)	0	0	0	•	0		Small Trees (<0.3m DBH)	•	0	2	0	0		Small Trees	(<0.3m DBH)	0	0		0	0	
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Bare	ground	0	•	0	0	0		Bare	ground	(1)	0	②	0	0		Bar	re ground	@	0	0	0	<u></u>	
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Road - two	lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range	Shorell			0	0	0	
Road - fou	ır lane			•	0	0		Water Lev		l Stru	cture	0	0	0		Row Crops				0	0	0	
Parking Lo	ot/Pavem	ent		0	0	0		Excavation	ı, Dredgir	ng		0	0	0		Fallow Fiel	d (RECENT-R	ESTIN	IG	0	0	0	
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FC	RM	B-1	1: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TEC) ALI	EN SPECIES (Back) Reviewed by	(initial):		
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Confirm	a fille	ed da	ita bi	ubble ii	ndicates presence and an un	filled	bubbl	le inc	licates	absence by filling in this bubl	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	10	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	
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flag box, and describe where either placed as close to the Location of coordinate O AA CENTER	the conte	hoos	inate Plot 3 se o	s were sas pos ne): O E3	taken and why in the comment sible or at the center of the las	sectica actica	n bek ssible ble lo	ow. T e Buff ecation	he coo er Plot. on (flag	ill in the "nearest practicable locardinates of the nearest practicable and and comment below)	le loc			be
Flag Comments														
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				11	7 7		_							7
			CER		THE RESIDENCE OF THE PERSON OF									
Buffer Sample P	oints	- Tar	gete	d Alien	Species 05/27/2011					796	662	354	8	•

							_														
					H		FO	RM B-1:	BUFF	ER	SAI	IPL	ΕP	LOT	rs (F	ront)	Reviewed t	y (initial):	_	•
Site	ID:	CF	P		VC		344)							DATE	08	12418	30	16	2	
Locati	on:		NO.			Heli			Fill	in b	ubb	le(s)) if p	lot(s	s) cou	ıld not be	sampled and	flag -	→		
OAA	Center	C	N	0	S	Ø I	E O	W	OP	1			Plot	1000	- T C- V	Plot 3					
Fill in bubbl	es for all ti	hat ap	ply: Ca	nopy	Type:	D = 0	Deciduou		Buffer en. Leaf T							Absent: No tree	e canopy.				
																	%); 3 = Heavy (40-75%	6); 4 = \	/ery H	eavy ((>75%)
Buffer	Canop			_) AI	bsen	t: O	Buffer	Canop	у Тур	e: 🐠) () AI	sent	t: ()	Buffer	Canopy Type: (<u>E</u>) At	sent	: O
Plot 1	Lea	f Typ	e: 🌘) (_	Flag	Plot 2	Lea	f Typ	e: () (Flag	Plot 3	Leaf Type:	<u> </u>)		Flag
Big Trees (>0.3m DBH)	0	0	0	(1)	0		Big Trees (>0.3m DBH)	0	0		0	<u>O</u>		Big Trees	(>0.3m DBH)		0		
mall Trees (1	0	0	0			Small Trees (0	0	0	0	<u>O</u>		Small Trees			0	0	
Voody Shrub (0.5m	s, Saplings -5m HIGH)	0		2	0	0		Woody Shrub (0.5n	s, Saplings 1-5m HIGH)	0	0	0	(0			ibs, Saplings im-5m HIGH)		@	0	
	.5m HIGH)	0		②	0	0		Woody Shrub (<(s, Saplings).5m HIGH)	0	(b)		0	<u>O</u>			bs, Saplings 0.5m HIGH)		3	0	
Herbs, F	Forbs and Grasses	0		0	0	0		Herbs,	Forbs and Grasses	0	0	3	0			Herbs,	Forbs and Grasses		<u></u>	0	
Bare	ground	@	0	①	0	0		Bare	ground	0	@	2	0	0		Bar	re ground 🕕 🌘	0	0	0	
Lit	tter, duff	0	0	0	0			Li	tter, duff	0	0	2	(1)	0		L	itter, duff 💿 🕡	(2)	0	(
	Rock	@	0	0	0	0			Rock	(7)	0	2	0	0			Rock 🐠 🛈	0	0	0	
	Water	6	0	2	<u> </u>	0			Water	(0	2	0	0			Water (1)	0	0	0	
	ubmerged egetation	1	0	(2)	0	0			ubmerged /egetation	(0	2	0	0			Submerged Vegetation	0	①	0	
	The second second	0.0	e/Ab	send	:e - (Confi	irm that			ndica	tes pi	esen	ce an	d an	unfilled			lling th	is bul	oble.	a
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Str															tres	sors					
iil bubble	e if pres	ent - I	Plot	1	2	3	Flag	Fill bubble	e if prese	nt - I	Plot	1	2	3	Flag	Fill bubble	e if present - Plot	1	2	3	Flag
Road - gra	avel		Land.	0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ну	0	0	0	
Road - tw				0	0	0		Dike/Dam/	Road/RR			0	0	0		Range		0	0	0	
Road - for	ur lane			0	0	0		Water Lev		Stru	cture	-	0	0		Row Crops		0	0	0	
Parking L	ot/Paven	nent	N/HS)	0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Field	d (RECENT-RESTING	0	0	0	
Golf Cour	se			0	0	0		Fill/Spoil B	anks			0	0	0			d (OLD - GRASS,	0	0	0	
Lawn/Parl	k			0	0	0		Freshly De		Sedin	nent	0	0	0		Nursery		0	0	0	
Suburban	Residen	itial		0	0	0		Soil Loss/		sure		0	0	0		Dairy		0	0	0	
Urban/Mu	ltifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out			Y.W	0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT C	OR STORMV			0	0	0		Rural Resid	dential	0	0	0	
Trash				•	0	0		(SHEETFLOV		input		0	0	0		Gravel Pit		0	0	0	
Other: _				0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other: _				0	0	0		Other:				0	0	0		Other:		0	0	0	
Indu	strial D	evel	opmo	ent S	Stres	sor	S					1	Habit	tat/V	egeta	tion Stress	sors				
ill bubble	e if pres	ent -	Piot	1	2	3	Flag	Fill bubble	if prese	nt - F	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 U	lse	0	0	0	
Gas Wells	5			0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cutting	0	0	0	
Mine (surf	face)	8 1		0	0	0		Tree Planta	tion			0	0	0		Trails		0	0	0	
Mine (und	erground	1)		0	0	0		Tree Canop	y Herbivo	огу		0	0	0		Soil Compa (ANIMAL OR H		0	0	0	
Military	A LUCE			0	0	0		Shrub Laye		d	120	0	9	•			nicle damage	0	0	0	
Other:	******			0	0	0		(WILD OR DON Highly Graz	ed Grass	es	HSITE.	0	0	0		Soil erosion	(FROM WIND, WATER		0	0	
Other:					0	0		(OVERALL <3* Recently Bu		est		0	0	0		OR OVERUSE Other:		0	0	0	
				0				Canopy Recently Bu	ırned Gra	sslar	nd	0	0	0		Other:		0		0	
Other:	ao codes	K=	No me	O	O	Made	e = C	(BLACKENED)	urement	F1 F1	2. etc					y each field c	rew.		0		
	uffer Sar				/27/2	Exp		lags in comm							.g.iod D	, addit tield ti	242	8168	3304	1	
					, -, , 4																7-6-2

Site ID:	PC	n f)	NC	3441	באם		J. T		24/2017				
	a fille	d da	ta bı	ıbble iı	ndicates presence and an unf	iled b	oubbi	e inc	licates	absence by filling in this bubl	bie			
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	7	Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0	I I SI III	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	1 100 200	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	WF-2500	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	
								18m		Other:	0	0	0	
					PLOT COORI	DINA	TES							
Plots are centered on the Bu flag box, and describe where either placed as close to the Location of coordinat	e the conte	oordi oordi or of F	ects a inate: Plot 3 se o	and the s were as pos	coordinates will indicate the loc taken and why in the comment ssible or at the center of the last	ation section acce	of the	tran ow. T Buff	sect. Find the coofer Plot.		ation*	bubt	ole, fi	Il in the
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Plots are centered on the Bu flag box, and describe where either placed as close to the Location of coordinat O AA CENTER O N Latitude	es (c	ranse coordi er of F hoos	ects a inate: Plot 3 se o	nd the s were as posene):	coordinates will indicate the loc taken and why in the comment saible or at the center of the last O W3 O Nearest pra	ation section acce ctical	of the	e tran ow. T e Buff ocatio	sect. Fi he coo fer Plot. on (flag	ill in the "nearest practicable loc rdinates of the nearest practicat	ation*	bubt	ole, fi can	II in the
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Plots are centered on the Bu flag box, and describe where either placed as close to the Location of coordinat O AA CENTER O N Latitude	es (c	ranse coordi er of F hoos	ects a inate: Plot 3 se o	and the s were as pos ne):	coordinates will indicate the loc taken and why in the comment saible or at the center of the last O W3 O Nearest pra	ation section acce ctical	of the	e tran ow. T e Buff ocatio	sect. Fi he coo fer Plot. on (flag	ill in the "nearest practicable loc rdinates of the nearest practicat	ation*	bubt	ole, fi can	II in the
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Plots are centered on the Bu flag box, and describe where either placed as close to the Location of coordinat O AA CENTER O N Latitude	es (c	ranse coordi er of F hoos	ects a inate: Plot 3 se o	and the s were as pos ne):	coordinates will indicate the loc taken and why in the comment saible or at the center of the last O W3 O Nearest pra	ation section acce ctical	of the	e tran ow. T e Buff ocatio	sect. Fi he coo fer Plot. on (flag	ill in the "nearest practicable loc rdinates of the nearest practicat	ation*	bubt	ole, fi can	II in the
Plots are centered on the Bu flag box, and describe where either placed as close to the Location of coordinat O AA CENTER O N Latitude	es (c	ranse coordi er of F hoos	ects a inate: Plot 3 se o	and the s were as pos ne):	coordinates will indicate the loc taken and why in the comment saible or at the center of the last O W3 O Nearest pra	ation section acce ctical	of the	e tran ow. T e Buff ocatio	sect. Fi he coo fer Plot. on (flag	ill in the "nearest practicable loc rdinates of the nearest practicat	ation*	bubt	ole, fi can	II in the
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							FO	RM B-1:	BUFF	ER	SAI	NPL	EΡ	LOT	rs (F	ront)		Review	ed by (in iti al)			
Site	ID: p	CA	P	N	C	3	441								DATE	0.8	124	11	2	0.	1.	7	
Locati		UF.			Ki		JA.		Fill	in b	ubb	le(s) if p	lot(s	s) cou	uld not be	sample	ed ar	nd fl	ag -			
OAA	Center	C	N	0	S	O	E 0	W	OF	lot	1	0	Plot	2	OF	Plot 3			No.				V. 100.00
				4					Buffer							N							
																Absent: No tree oderate(10-40		vy (40-	75%);	4 = V	ery H	eavy (>75%)
Buffer	Canopy	/ Typ	oe: 🕞	() AI	bsen	t: 🐠	Buffer	Canop	у Тур	 ре: () () AI	oseni	: O	Buffer	Canopy	Туре	: 📵	(1)	Ab	sent	: 0
Plot 1	Leaf	f Тур	e: 🕒	(Flag	Plot 2	Lea	f Тур	e: () ()		Flag	Plot 3	Leaf	Туре	: 🚳	(4)			Flag
Big Trees (>	>0.3m DBH)	(0	2	0	0		Big Trees (>0.3m DBH)	0	0	2		0		Big Trees	(>0.3m DBH)	0	0	①		0	
nall Trees (<0.3m DBH)		0	②	0	0		Small Trees	<0.3m DBH	0	0	②		<u>O</u>		Small Trees	(<0.3m DBH)	0	0	<u> </u>	0	(9)	
oody Shrubs (0.5m	s, Saplings -5m HIGH)	(0	2	3	0		Woody Shrut (0.5r	s, Saplings 1-5m HIGH)	0	0	2		0			ubs, Saplings im-5m HIGH)	0	0	0	(1)	0	
	.5m HIGH)	②	0	①	0	0			0.5m HIGH)	0		0	0	<u>O</u>			<0.5m HIGH)	0	0	®	0	0	
Herbs, F	orbs and Grasses	0	0	0	<u> </u>			Herbs,	Forbs and Grasses	0	0	②	0	(7)		Herbs,	Forbs and Grasses	0	0	<u> </u>	<u> </u>		
Bare	ground	0	@	2	0	0		Bar	ground	0	(1)	0	0	<u>O</u>		Bar	e ground	0	0	0	0	0	
Lit	ter, duff	0	6	2	0	0		L	tter, duff	0	•	0	0	<u>O</u>		L	itter, duff	0	0	@	0	0	
	Rock	0	0	②	0	0			Rock	6	0	2	0	<u>O</u>			Rock	(1)	0	<u> </u>	0	0	
	Water		0	2	<u> </u>	0			Water	(1)	0	0	0	<u>O</u>			Water		0	0	0	0	
	bmerged egetation	9	0	2	0	0			ubmerged /egetation	0	0	0	0	<u>O</u>			Submerged Vegetation	1	<u>O</u>	<u> </u>	<u> </u>	0	
Stress	or Pres	enc	e/Ab	senc	e - (Confi	rm that	a filled data	bubble i	ndica	tes p	resen	ce an	d an	unfilled	bubble indic	cates abse	nce b	y fillir	ng thi	s but	ble.	0
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors															tres	sors							
ili bubble	if prese	nt -	Plot	1	2	3	Flag	Fili bubbi	e if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if preser	it - Pi	ot	1	2	3	Flag
Road - gra	avei		(6)	0	0	0		Ditches, C				0	0	0		Pasture/Ha	ay .			0	0	0	
Road - two	o lane			0	0	0		Dike/Dam (IMPEDE FLO		Bed		0	0	0		Range				0	0	0	
Road - fou				•	•	•	1	Water Lev			cture	-	0	0		Row Crops Fallow Field		DECTIN		0	0	0	
Parking Lo		ent		0	0	0		Excavation		ng		0	0	0		ROW CROP FIEL	D)		G	0	0	0	
Golf Cour				0	0	0		Fill/Spoil E Freshly Do		Sedin	nent	0	0	0		SHRUBS, TRE				0	0	0	
awn/Parl Suburban		tial		0	00	0		(UNVEGETA Soil Loss/	ED)	o Long to	0 100	0	0	0		Nursery				0	0	0	
Jrban/Mui		LICII		0	0	0		Wall/Ripra				0	0	0		Orchard				0	0	0	
andfill	ididiliay			0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding		0	0	0	
Dumping				0	0	0		Point Soul	ce/Pipe	WATER	3 \	0	0	0		Rural Resid	dential			0	0	0	
Frash	alesto :			0	0	0		mperviou (SHEETFLOV	surface	inpul	/	0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0		Other:	1		- 111.52	0	0	0		Irrigation				0	0	0	
Other:		incest		0	0	0		Other:				0	0	0		Other:				0	0	0	
Indu	strial De	evel	opme	ent S	tres	SOL	5						Habit	at/V	egeta	tion Stress	sors						
ill bubble	if prese	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - F	Piot	1	2	3	Flag
Dil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	ise			0	0	0	
Sas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cutting	,		•	0	•	2
Vine (surf	ace)			0	0	0		Tree Planta	tion		30	0	0	0		Trails	HIM!			0	0	0	
/line (und	erground)	100	0	0	0		Tree Canor	y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H				0	0	0	
/lilitary		NET		0	0	0		Shrub Laye		d		0	0	0		Offroad veh		ge		0	0	0	
Other:				0	0	0		Highly Graz (OVERALL <3"	ed Grass	ses		0	0	0		Soil erosion	(FROM WIN		TER,	0	0	0	
Other:				0	0	0		Recently B		est		0	0	0		OR OVERUSE Other:		1		0	0	0	
Other:	(SALER)		_	0	0	0		Canopy Recently Bi (BLACKENED)	rned Gra	esslar	nd	0	0	0		Other:				0	0	0	
-	ag codes:	K = 1	No me	No.	100	made		uspect meas				= mis	c. flag	s assi	igned b	y each field c	rew.	,	428			-	
В	uffer San	nple	Plots	05,	/27/2		lain all f	lags in comm	ent sectio	n on	the ba	ck of	this fo	rm					720	100	304		

Site ID:	P	CA	P	N	C 3441	DAT	E: _	<u> </u>	<u>ا ک</u>	2412012	F			
© Confirm	a fiile	ed da	ta bı	ibble li	ndicates presence and an unf	illed I	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	a ULLES	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	
										Other:	0	0	0	
					PLOT COOR	DINA	TES							
Plots are centered on the Buflag box, and describe where either placed as close to the Cocation of coordinate O AA CENTER O No.	ffer Ti the c cente es (c	ranse coordi r of F hoos	ects a nates Plot 3 se of	nd the s were to as posene): O E3	coordinates will indicate the locate and why in the comment sible or at the center of the last O W3 O Nearest pra	eation section acce	of the	e transow. To Buffi	sect. Fi he coo er Plot. on (flag		ation" le loc	bubb	le, fil	ll in the be
	928		ROBE		Use Decimal Deg	rees;	NAL)83						
Flag Comments				Philips Constant			AUI	ST US						
1 SOM C	211	PA	RI	d.					The second					
2 Mowed				-										
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- Market 19 a			9.			********							A CO	
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				er Olle	i hauto i				V.	Lole	F			44.6
5-0										100 51				age live
										The letter				17
50.51							-							W
				TO THE				Page 1	13 7	A THE PERSON IN	1891			
Buffer Sample Po	oints	- Tar	gete	d Alien	Species 05/27/2011					796	662	354	8	

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)
Reviewed by (initial):

																<u> </u>					
							FOI	RM B-1:	BUFF	ER	SAN	/PL	E P	LOT	S (F	ront)	Reviewed	by (initial):	_ (
Site I	D: 🖊	CA	e	N	ے	3	41								DATE	08	1241	20	1 .	2	
Location	and the same of th	THE R. LEWIS CO., LANSING			36	TESM!			Fill	in b	ubb	le(s)	if p				sampled and				
OAAC	enter	C	N	0	S	01	Ξ €	W	● P	lot '	1	@ I	Plot	2	Ø F	Plot 3					
					1				Buffer			-								ebi=	
																Absent: No tree oderate(10-40	e canopy. %); 3 = Heavy (40-75	5%); 4 = \	/ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 🕞) () AI	bsen	t: O	Buffer	Canopy	/ Тур	e: 🕞) () At	sent	: O	Buffer	Canopy Type:	① E) Ab	sent	: 0
Plot 1	Lea	f Typ	e: (•) (Flag	Plot 2	Lea	f Typ	e: (•) Č			Flag	Plot 3	Leaf Type:	<u> </u>)		Flag
Big Trees (>	0.3m DBH)	0	0	2	<u>③</u>	0		Big Trees (•0.3m DBH)	0	0	2	0	0		Big Trees	(>0.3m DBH)	0	0	0	
mall Trees (<	0.3m DBH	0	0	0	0	0		Small Trees (<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH)	0	0	0	
Noody Shrubs (0.5m-	, Saplings 5m HIGH)		0	0	0	0		Woody Shrub (0.5m	s, Saplings -5m HIGH)	0	0	2	0	0			ubs, Saplings im-5m HIGH)	0	0	0	
Noody Shrubs (<0.	, Saplings 5m HIGH)		0	2	0	0		Woody Shrub (<0	s, Saplings).5m HIGH)	0	0	②	0	0			bs, Saplings <0.5m HIGH)	00	0	0	
Herbs, F	orbs and Grasses	0	0	2	0	0		Herbs,	Forbs and Grasses	0	0	2	0	0		Herbs,	Forbs and Grasses	0	0	0	
Bare	ground	0	0	2	0	0		Bare	ground	0	0	0	0	0		Bar	e ground ① (0	0	0	
Litt	er, duff	0	0	2	0	0		Li	tter, duff	0	0	2	0	0		L	itter, duff 🕕 🕻	0	0	0	
	Rock	0	0	2	0	0	hep =		Rock	0	0	2	0	0			Rock ①	0	①	0	
	Water	0	0	2	0	0			Water	0	0	0	0	0			Water 💿 (0	0	0	
	bmerged egetation	0	Ó	①	0	0			ubmerged egetation	0	0	0	0	0			Submerged O C	00	①	0	
			e/Ab	senc	e - (Confi	rm that			ndica	tes pr	esen	ce and	d an i	unfilled		cates absence by	filling th	is but	ble.	•
Resi	dential	and	Urba	an Si	tres	sors			Hydrolo	gy S	tres	sors	iigi				Agricultural & I	Rural S	tres	sors	1
Fili bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	e if prese	nt - F	Plot	1	2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gra	vel			0	0	0	Total of the far all but the	Ditches, C	hanneliza	ition		0	0	0		Pasture/Ha	ıy	0	0	0	
Road - two	lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range		0	0	0	
Road - fou	r lane		016	0	0	0		Water Lev		Stru	cture	0	0	0		Row Crops		0	0	0	
Parking Lo	t/Paven	nent	1	0	0	0		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			d (OLD - GRASS,	0	0	0	
Lawn/Park	Hiraki			0	0	0		Freshly De		Sedim	nent	0	0	0		Nursery		0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	Root Expo	sure	T.	0	0	0		Dairy		0	0	0	
Urban/Mul	tifamily		7	0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill			Alelli	0	0	0		Inlets, Out				0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sour	OR STORMV			0	0	0		Rural Resid	dential	0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW		input		0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:		-	201.411.10	0	0	0		Other:				0	0	0		Other:		0	0	0	
Indus	strial D	evelo	opme	ent S	itres	sor	5					1	labit	at/V	egetat	tion Stress	sors				
ili bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	Piot	1	2	3	Fiag	Fill bubb	le if present - Plo	ot 1	2	3	Flag
Oil Drilling		Zi N		0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se	0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surfa	ace)			0	0	0		Tree Planta	tion	818		0	0	0		Trails		0	0	0	
Mine (unde	erground	1)		0	0	0	ll e	Tree Canop	y Herbivo	ory	=100	0	0	0		Soil Compa (ANIMAL OR H		0	0	0	
Military	See 8			0	0	0		Shrub Laye		d		0	0	0			icle damage	0	0	0	
Other:			7(8)	0	0	0		Highly Graz	ed Grass	es		0	0	0		Soil erosion	(FROM WIND, WATE		0	0	
Other:				0	0	0		Recently Bu	med For	est		0	0	0		Other:		0	0	0	
Other:				0	0	0		Recently Bu	ırned Gra	sslar	nd	0	0	0		Other:		0	0	0	
	g codes:	K = N	lo me	5	-		e, U = S	(BLACKENED) uspect meas	urement.,	F1,F2	2, etc.		The second			y each field c	rew.				
	uffer San					Exp		lags in comm									24	28168	304		

	P	A	0	NO	3441	DAT	E: _<	5,8	S I.	24/2012				
Confirm	a fille	ed da	ta bu	bble ir						absence by filling in this bubl	ble			
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	9 1	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	
			MIA			9,419		NA SA		Other:	0	0	0	
		Edy.			PLOT COORI	DINA	TES	i de	Met M				N.	S.M.
Location of coordinate O AA CENTER O N		hoos O S		ne): O E3	O W3 Nearest pra	ctical	ole lo	catio	on (flag	and comment below)			Fla	g
l atitude '	North	4	1 1	1 5	7656	Lon	aitu	ie V	Vest	- 81.4392	_		Site	
Ladiado	VOIL			<u> </u>	Use Decimal Degr				_	0.11.10.12	<u>ر</u>			
														7/80
Flag Comments			15.											
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