		165	Comment required if Item answer is N
	de of Park Boundaries.	(У) и	If yes, write details in Comments section below
Field journals comple			
Site sketch made on J			
Check cover page	X-axis Bearing of plot recorded	(3) N	
	GPS coords. Recorded	N (A)	
	North direction recorded	77	
N . 33 . 33 .	Photographs taken?	N N	
Plot No., Date agreen		N N	
Header data complete		(2) N	
	d in all Intensive modules	$\frac{1}{\sqrt{2}}$ $\frac{N}{N}$	
Browse Level By Spo			
Woody stem quality of Invasive plant quality		N (Y)	
nivasive piant quality Ash trees mapped	CORUCH GRECK	Y N	<u>Α1/Δ</u>
Asn trees mapped Cover by Strata? (cor	(firm cover type)	N (S)	W.
	1 with matching plot #.	TO N	
	latasheet with initials and number	O N	
Vouchers labeled on		(A) N	
Pink flags removed	Ameeron rag,	() N	
Data sheet QA before	leaving site?	(3) N	
Common equipment i		N (C)	
Data sheets scanned?	CHI) CO TO THE	7/19/11	Enter date to left
Final data sheets scan	ned)	1/2//!	Enter date to left
Buffer Widths measur		N B	Cure out to ten
Web Soil Survey		(%) N	
oucher Location	Refrigerator	YN	
# vouchers collected)	Press (#)		Enter number to left
	Drie	YN	THE COURT OF A CO.
	Identified	YN	
	Mounted	YN	
	Thrown away	Y N	
	J. M. C.		
FRTS point verifica	tion: Is plot sampleable?		
□ Yes	Original GRJS point is sampleable		
ri No	Original GRTS point lands in a non-	campleable area (f	III in category helowy
(1 740	1) Point falls in a water (i.e. river, l		or in earegory perowy
	11 Managed mowed area (i.e. golf		at-of-way)
	ri Paved area (i.e. parkinglot, road)		
	1) Unsafe to sample (i.e. steep slope	e)	
	n Other		
Additional Commen	······································	·	parking area only

\*: Ormping along letypes of CM property.

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Project Label: PCAP Project name: () (SE 201) Cleveland Metroparks Strata - Cov. entire plot /isual est. % open water entire site: Total modules: S  $\mathcal{O}$ R) Q DES R) λo |(F)|(A)| Br Ø 10 Smilex Stagus grandifolia Hames X OJD) Mitchella 1 - Codendroo toligo teros Barbari 6 Thelu YO NVS Majanthe mun Hstor traxious spoducys Toxicoclendren describe amount of browse per species over <u> Laustrum</u> AGY SOCI Acertuboum (Cale  $\mathbf{B}r = \mathbf{B}rowse$  Level. Use cover classes to Oteris novaboracens RAP LAST rotund ful ? Species entire plot SON TROUBLE aritiourus Assagnat 0 inapitulo naod 7 na 18 MULGARA Canadans radicans Visual est. %unveg.o.w, entire site: Estimate for the each Intensive modules: %unveg, ground (bare soil) %unvegetated open water intensive module: %unveg, fitter (bare litter) 次元一時の SRE 465 Voucher# %open water depin 919 Q) Γ. C. 607 0 9 Ú ſ دو L Plot configuration: \_ رىر F0.T 202 D N Z 400 Visual est. %invasives entire site: ۷. S RS  $\bigcirc$ Plot no.: 1155 Q. 20 Q 1 D denin C 0l0 Ω cov j deplo õ cov | depth W E E U C Ċ. Q 4 (L) Plot area (ha): 🚫 📗 D S 50 W W depth. 87 Page ) of 3 2 00 X1 V83 007 D S 9. 3 S CG THE Ö, g: depih depth TT,Od æ

Natural Resource Management FORM NR/2010-02a

#### preferential browse and/or browse lines for some species MEDIUM HIGH values include evidence of a browse line VERY HIGH values include extensive browse conditions, vegetation regeneration evident. In this rating, for some species of plants, reproduction does not appear to occur AND there are very few or no plants 1-m nested quadrat HIGH: greater than 25 percent of the stems of plants in about 10 percent of the stems with no significant impact quadrat and intensive module. A browse line is usually the 1 m2 nested quadrat and intensive module AND a Browse line may be 5 to 6 feet in height with no or little to plant reproduction evident. In this rating, plants are MEDIUM: browse affects greater than 10 percent and and intensive module. In general, low values relate to LOW OR NONE: there is no measurable browse line example, trilliums may flower and fruit, but jewelweed seedlings and herbs are severely browsed or missing. MEDIUM LOW values include evidence of browse at where the browse line is very evident AND almost all browsed but preferential species are observed to be not evident or obvious for all classes and species of ess than 10 percent, by numbers of stems browsed reproducing in numbers that appear normal or near-Tape Intensive Corner ess than 25 percent of stems in the 1 m2 nested വി io! BROWSE RATING NARRATIVE DESCRIPTION and 25 percent of stems browsed with very little normal in comparison to low browse areas. For vegetation, but careful examination may show and arrowwood viburnum exhibit browse. М 41 or it is very severely limited. 4 Corner Number Module Number green growth beneath. browse line is evident. (r) 50m on: 7 থ of plants, Plot Origin Typical Plot: ΟÌ Ŋİ Post 64 3.16m - depth 2 1.00m - depth 3 0.32m - depth 4 0.10m - depth 5 Depth 2 = 0) 10.00m - depth Corner 2 10m2 KEY. nidpoint 0.0001 0.005 0.015 0.075 0.625 0.850 0.065 0,175 0.375 0.975 20m solitary or few % cover 10-25% 50-75% 25-50% 75-95% 1-2% 5-10% 95-100% 0-1% 2-5% 0m baseline cover class 20m <u>6</u> Depth 1 = 100n<sup>2</sup> Corners Nested ന Corner 4 om baseline <u>e</u> The following grapitic can be used for various data elements to convey Amonic of Quantily". NOTE: Within any given box, each quadrant examples of percent of area covered contains the same total area covered, just different sized objects. S om baseline 40m 30m 20m 101 40 cı 9 9 က ထ Ľ T

	CLEVELAND MET	ROPARKS Plant Community Assessi	neet Page 📐 of	9)
	Total modules:	0	Intensive modules: H Plot configuration: $\bigcirc \chi \le -$ Plot area (ha): $\bigcirc \cdot \downarrow$	
	Visual est. % open water entire site		Visual est, %invasives entire site:	
			The comer med comer mod co	25 m
		Br = Browse Level. Use cover classes to	ceptr cov deptr cov deptr cov depth cov depth cov	eth co
	Sample of the same	describe amount of browse per species over envire plot	Surryegetated open water 1	
			h	
			VALORAGE (MEX)	
•	- O I (T)(A) DI	Species	cox ceptin cox deptin cox deptin cox deptin	200
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	A mail room do	5	<b>1</b>	
		TOOK SCAL		
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		101Rosa multiflora		-
		Darthonia spisates		_
	(A)	manner acumulation		2
	ب	All hora patiolator		N

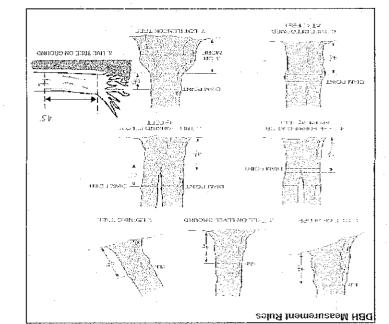
CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Name: ジリル・ション・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	Community PCAP	/ Assessm	ent Progr	nt Program Natural Woo Project Name: රට ලි දුළු)	al Woody <sub>2</sub> 2011	Stem Dat		12	יס	Page: /	of	$\hat{\omega}_{\mathrm{new}}$	किताल्यांचातं शिल्स्यम्बार्भः
	Explain subsample (additional room on back):	ack):												
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## Woody Stem Deer Browse

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

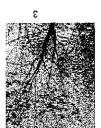
Record using the fally system from 1 to

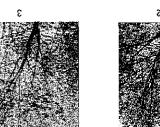


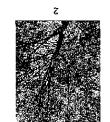














## ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple
- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves
- suntight, die naturally and are not considered
- (lowest branch) on the trunk. 2" pesq csuobh: No tesnes remain in the canoby portion of the tree. It still counts as a 2 even if there are opicormic shronts below the canoby 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

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

- A: All main branches contain line twigs (newly dead).
- B: Over 50% of main branches have fine twigs
- D: Stem still standing and tertiary main branches present. C: Less than 50% of main branches have fine twigs.
- E: Central stem still standing.

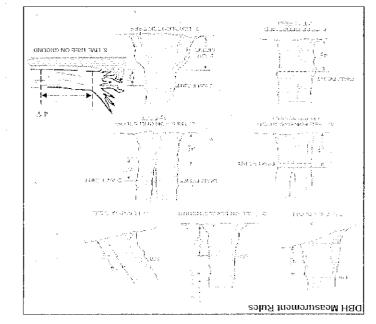
CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet	Community Assessment Progran	nt Program Natural Woody Stem I	Data Sheet	Page.	All Claretant Stevensana
Explain subsample (additional room on back):				(	
	drs %	size class (cm) woody st			
mod # species c	voucher# browsed sample clumps	DS 0-<1 1-<2.5 2.5-<5	5 5-410 10-415 15-420	7	35 - <40   >40 (record expirities
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			ā		
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to Durrous rubra			•		
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Г			•		
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To Fasy's Grandifulia		<b>次</b>			

### Moody Stem Deer Browse

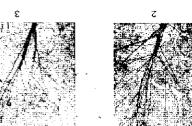
fall first exhibit evidence of this years deer browse Record the number of stems/plants between 0.5-1.0 meters

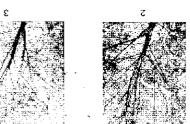
Record using the tally system from 1 to













### ASH CANOPY CONDITION

- ${\cal J}^*$  Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple
- 3. Dieback: Canopy is thinning and some top branches exposed to similght are dead (have no leaves). Lower branches not exposed to 5. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves
- ₹ >20% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead. shutight, die naturally and are not considered.
- 2" Desa cauebà: No leaves comain in the canoby portion of the tree. It still counts as a 2 even it there are epicormic spronts below the canoby

(Jowest pranch) on the frunk:



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 fwigs
- D: Stem still standing and tertisity main branches present
- E: Central stem still standing ,

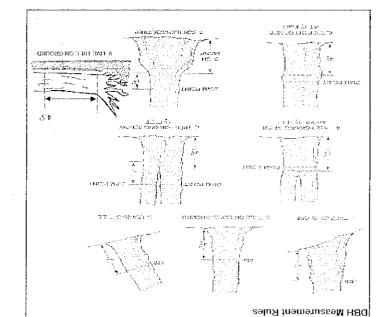
0 <u>c</u> 2 CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Explain subsempte (additional room on back): Berbang + humbergi Livrodendia telipify Standing drad Project Label: \_\_\_ PCAP veucher# # stems crowsed sample 0.5-1m or super % sub Project Name: OIBE 301) Solution S shrub ## size class (cm) woody stems >1m <u>}</u> 1-<2.5 2.5-45 Plot No.: 1155 φ. Δ.Δ. 10 - A10 15 - <20 20 - <25 Page: 25 - <30 30 - <35 45 Weierwand Hedricality 34.8 >40 (resona each tree)

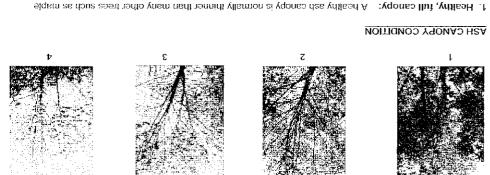
# Woody Stem Deer Browse

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

Record using the fally system from 1 to

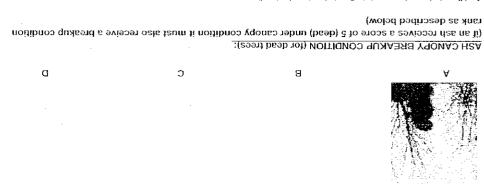






- 4" Hosituh, full canopy: A healthy ash canopy is normally thinmer than many other trees such as maple
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves
- sunlight, die naturally and are not considered 3 Dieback: Canoby is thinning and some top branches exposed to smulight are dead (have no leaves). Lower branches not exposed to
- 2. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even it there are epicormic sprouts below the canopy 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

(lowest branch) on the trunk.



- 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.

Matural Resources Management FOR'1 2010-04a

\* 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)

Glossy Buckthorn Frangula alnus (qnuys) Japanese Knotweed Polygonum cuspidatum Phragmites australis Phragmites (wetland) Phalaris arundinacea Reed Canarygrass L. morrowii, L. tatarica (qnays) gnzh Honeysuckles (qnays) Common Privet Ligustrum vulgare x: AGS Garlic Mustard Alliaria petiolata Presence MN HN MS ЗS Tier 4: Widespread and abundant Presence stuammoo (qnays) Doublefile Viburnum Viburnum plicatum European Cranberry Viburnum opulus var. opulus (qnaqs) Ornithogalum umbellatum Star of Bethlehem Yellow Flag Iris (wetland) lus bsengacouns Wineberry Rubus phoenicolasius Lugwort (G-cover) Pulmonaria officinalis Philadelphus coronarius (qnuqs) Mock Orange 000'I< Japanese Pachysandra Pachysandra terminalis Ţ (G-cover) 000'T-TOT 1 Eleutherococcus pentaphyllus 3: 21-100 (qnuqs) Five-leaf Aralia Crown Vetch (G-cover) Coronilla varia 7: 11-20 convallaria majalis Lily of the Valley (G-cover) 1-10 :1 stasiq to # RE RM MM comments Tier 3: Presence is of Interest stnaly to # Euonymus fortunei Wintercreeper <mark>Amur Honeysuck</mark>le (gnuys) Lonicera maackii (qnuqs) AvitO nmutuA Elaeagnus umbellata Dipsacus laciniatus Cut-leaf Tease! European Alder (qnuqs) Japanese Barberry Berberis thunbergii Rhamnus cathartica сошшои висктроги (qnuqs) Conium maculatum Poison Hemlock Torilis sp. Hedgeparsiey Asian Bittersweet (əuiv) Celastrus orbiculatus Aegopodium podageA 2: >1,000 Bishop's Goutweed (G-cover) Purple Loosestrife Lythrum salicaria (wetland) 4 TOT-1,000 E Jabanese Honeysuckle (ariiv) Lonicera japonica 3 2T-T00 Ailanthus altissima 1T-20° :2 Tree of Heaven Acer platanoides J-10 Norway Maple etnelq to # MN MS 35 NΕ bebeen as Needed stnal9 to # comments Giant Hogweed Menacleum mantegazziah (wetland) Flowering Rush Butomus umbellatus Cynanchum louiseae Black Swallow-wort (auiv) Ranunculus ficaria Lesser Celandine sseugilits osonedel Microstegium vimineum səv :X Presence MN ME MS 35 Sd9 Presence Tier 1: Early detection/ Rapid response antagousem hambereio (20) CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey

Note: For Ground-cover plants record "stem #" but in comment field describe # of colonies and patch size (5,M, L)

(wetland)

(qnuqs)

Periwinkle

SlietteD

Dame's Rocket

Canada thistle

Multiflora Rose

(G-cover)

Vinca minor

Hesperis matronalis

Typha angustifolia, T. x.glauca

Cirsium arvense Dipsacus fullonum

Rosa multiflora

neicrohab.

morehae.

ժշթւև 1 merspers

16x10m

10x16m SLOPE

(renk)

0

TRAIL INFORMATION: If trail falls in plot record type and cover for each	If trall falls	
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o Bridle		5
n Hiking sanctioned		さいつい
a Bootley unsanctioned		4/00
n Gruvel		
ا مدر		

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

Project Name: (5) &2011

Plot No.: 1155

्रिवास्थ्यात्मव स्वरूपक्रमाञ्च Page: 1 of 1

Project Label:

PCAP

(4 dots per grid square) CROWN COVER (DENSIONIETER), Make 4 readings per module facing N. S. E, W. Place dot count in corresending space

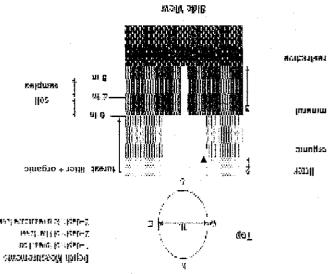
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+45 degrees NE horzon TSUs
#90 degrees E av. local slopes
+135 degrees SE
S 550.550 (10.1) S 550.550 (10.1)
+225 degrees SW eye to eve of
+270 degrees W
+3.5 degrees NW

AND ANALYSIS AND SAN IN AN ARCHITECTURE OF THE STATE OF T		 
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quo eò e\levelloq	e demás a constitución de	LOWER PENNSY LYANIAN

TIGINE 3-20—Generalized section of Upper Devrain, Materiagoran, and the constructions of the control of the con

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m d 0> s mi H&O mo 3.5> as to Ingie	dundalle əi.ad dm. hitotquaa	"Very tall shrubs are sometimes inch "Can also include seedlings of shru ""Tree seedlings are often defined a which case they would span the her
	Submerged	Aqualic (submerged)
.:	gniìsol∃	Ноэйлд
(***grifibəse) əəri , **dun	Herb, dwarf-st	Horb (Field)
(ejyhdiga, epiphyte)	(gailges) serT	Chrub (generally 0.5 to 5 m)
	epiphyte)	
y), very tall shrubs*, fiana,	Tree (overstor	Tree (generally >5 m)
MAO1 JARAN	19	MUTAATS
		COVER BY STRATA



CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet Project label: PCAP Plot No.: 3(55

Project Name: 01 Be 2011

्रेड्डिक हो किया के रिवास के रिवास के किया है। जिल्हा के प्रतिकार के प्रतिकार के प्रतिकार के किया के प्रतिकार के किया के प्रतिकार के किया के किया के किया के

Page: 1 of 1

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

Soil pit module # (one per entire plot)

20 cm 5 cm matrix color 10y12 oxid roots matrix color 104R 3/2 hydro, cond, \*\*\* hydr. cond.\*\*\* exture\* edox features\*\* exture\* nottle color Novic edox features\*\* notile color None xid roots 6mottle 6mottle 6/6 4 S Z (5) G Ø)  $\langle 2 \rangle$ (B)

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

☐ Excessively drained	Residuum	Landform type: Drainge	Soil Series Source: Ohio Soil Survey	Soil Series/Type: Breckfulle Silt	Web Soil Survey Information:	Soil Description/notes:		2,3,8,9 composited	Soil Collection Module
	Weather Fran Shalt	Ston	urvey	Silt loam				Α	Horizon (A, B, C)

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

		Module # C? Comer
		r Comer

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

Depth Maxaurements  application for  Author of the fore  Social Consumers has	789 - (A. P.)
yer dept.	* Use Web Soil Survey for #3 Restrictive layer dept.

I=indundated S=saturated M=moist D=dry
Notes: include evidence of earthworms

\*\*\* Circle one:

\*\* e.g. hydrogen sulfide odor, gleying, etc.

refer to texture classes on reverse side

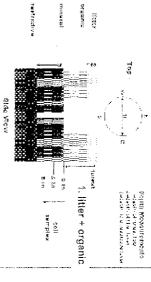
(worms, castings, middens)

Carterworms Quad 10 Soll Pit

Well drained

□ Somewhat excessively

a sucound plat.



6aCM PCAP Soils\_Crown cover\_Landform\_Standing Biomass\_Data Sheet\_Ver 2xls.xls last revised 6/23/2011 ceh  $\sqrt{8}$ 

☐ Impermeable surface Very poorly dr. □ Poorly dr.

□ Somewhat poorly dr. □ Moderately well dr.

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**гоцион** 

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

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9000 nonised

- 9= Not measured make plot note
  - 4= Coarse Sand

    - 3= Sandy
    - S= Clayey

    - 1= Loanly

    - oinagnO =0

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

and 20 cm layers. To estimate texture, collect a soil sample from SOIL TEXTURE: Record the code for the soil texture of the 5 cm

ALERIA . Ш 02 = $5.0 \le 50$ I COUNT Surface Area Covered SISVN SSUD May samint) **3000** 

ношшел Fem

PERCENT MOTTLES (USE CLASS CODES):

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"bəboolt

saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil

PERMANEATLY/SEMIPERMANEATLY SATURATED. Dry less than once per year. Surface water is seldom present, but substrate is

INTERMITTENTLY/SEASONALLY SATURATED. Dry at least once per year. Surface water is seldom present, but substrate is saturated

surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier

the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's 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 seasonal periodicity, hundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable

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

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

**DNKNOWN:** The hydrologic regime cannot be determined from the available information

to surface for extended periods during the growing season

UPLAND: Not a wetland. Very rarely flooded.

descriptors are available for Hills, Terraces, Mountains, and Elat-Plains,

Geomorphic Component - Three-dimensional descriptors of parts of

tandforms or microteatures that are best applied to areas. Unique

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					Buffer Natural s. E. – Evergreen Teat Type: B. – Br histrata type for each plot: 0 = Abser	oadlea	f, N =	Needlo	a Loaf. 7	Absent: No tree canopy, oderate(10-40%); 3 = Heavy (40-75%	s); 4 = 1	√ery H	leavy (	(* 75%)
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Road four lane	Ο	О	0		Water Level Control Structure	O	Ō	Ō		Row Crops	Ο	Ο	O	
Parking Lot/Pavement	0	О	0		Excavation, Dredging	0	0	0		Hallow Hield (RECENT-RESTING:	0	О	0	
Golf Course	0	0	0		Fill/Spoil Banks	О	О	О		Fallow Lield (QED - GRASS, SHRUBS, TREES)	0	0	0	
Lawn/Park	0	0	0		Freshly Deposited Segiment (UNVEGETATED)	O	0	0	-	Nursery	0	0	0	
Suburban Residential	Ο	О	Ó	:	Soil Loss/Root Exposure	Ο	0	0		Dairy	0	0	0	
Urban/Multifamily	О	0	О		Wall/Riprap	Ю	О	О		Orchard.	О	0	0	
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vilitary	О	0	O		Shrub Layer Browsed (WILD OF DOMESTIC)	<b>Ø</b>	0	0		Offroad vehicle damage	O	0	О	-
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Diner	0	0	o		(OVERALL +3" HIGH) Recently Burned Forest	0	0	0		OR OVERUSE)	0	$\overline{\cap}$	0	
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Explain all flags in comment section on the back of this form

Buffer Sample Plots 05/27/2011



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The Positing Heart O 13 O 23 O E3 O W3 O Mesters practicable location (Reg and comment below)  Fig. Physical describe where the coordinates will indicate the location of the Buller Plot as the Buller Plot (#5) at the fact of each Buller Transect and for the Buller Plot (#5) at the fact of each Buller Transect and for the Buller Plot (#5) at the fact of each Buller Transect and for the Buller Plot (#7) at the fact of each Buller Transect and for the Buller Plot (#7) at the fact of each Buller Transect and the coordinates will indicate the location of the transect. I'll in the "reasest practicable location" bubble, fill as the plot coordinates by filling in the appropriate bubble.  PLOT COORDINATES  PLOT COORDINATES  O O O O Other O O O O O Other O O O O O O Other O O O O O O Other O O O O O O O O O O O O O O O O O O O	O   O   O   O   O   O   O   O   O   O	O O O O O O O O O O O O O O O O O O O	SEE   O	na Rosee  yan Blackberry  yer Blackberry  uffer Plot at the AA CEN  Lifter Plot at the AA CEN	Milliam  Semid:  James  Other  Other  Cother	O O O O O O O O O O O O O O O O O O O	100 O O O O O O O O O O O O O O O O O O	O O O O O O O O DUTHE	Learnial Reppended Cheatural Reed Cheaturan Reed Common Reed Common Reed Leary Spurge PLOT COORI PLOT (#3) at the fat end of each opriate bubble coordinates at the nearest practicable taken and why in the comment taken	C C C C C C C C C C C C C C C C C C C	O ( C ( C ( C ( C ( C ( C ( C ( C ( C (	O O O O O O O O O O O O O O O O O O O	oating Heart  wine  endock  fretoil  fr	Familia Section 19 19 19 19 19 19 19 19 19 19 19 19 19
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Road - Jeur lane	О	0	О		Water Level Control Structu	re O	О	0		Row Grops	0	0	0	
Parking Lot/Pavement	О	0	0		Excavation, Dredging	0	Q	0		Fallow-Field (RECENT-RESTING ROWCROFFIELD)	0	О	0	
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Buffer Sample Plots 05/27/2011



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e inglines	with the			얼마나다 사람이 아이를 하는 것이 그렇다.	: 15 ° 7		77.			14.00	600		20.0	·夏斯拉克克斯斯拉斯斯克克	30.000.000

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				E	RM B-1: BUFFER	SAN	πPL	EP	LO	TS (	JΩÉ) Reviewed	by (initia	I):		
Site ID: PCA	P	115	, 5	J.	SE					DAT	E 07/22/9	70	1	/	(ED)
Location:		<del></del>			Fill in b	ubb	le(s	) if p	lot(		uld not be sampled and			<u> </u>	i
O AA Center O N	<b>(3)</b>	s	0	E C	O Plot 1	ែ	0	Plot	2	01	Plot 3				
Fill in bubbles for all that apply: Ca	NOOGE	Type	1) = 1	Deciduos	Buffer Natu s:E=Evergreen Leaf Type B						Airsent: No tree canony				
Strata Section: Hill in appropriate	cover	class	hubbl	e for eac	ch strata type for each plot 0 = /	Absen	t. 1 ··	Sparso	:(≤10	%); 2 <sup></sup> M	ioderate(10 40%); 3 - Heavy (40-75	%); 4 = \	Very I-	łeavy	(= 75%)
Buffer Canopy Type: (§		A C	bser	rt: 🔘	Buffer Canopy Typ	e: 🜘	) (	)  AI	bsen	it: 🔘	Buffer Canopy Type: (	<u> </u>	) Al	bsen	t: <b>©</b>
Plot 1 Leaf Type: @			T ==	Flag	Plot 2 Leaf Typ	e: 🙆				Flag	Plot 3 Leaf Type: (	1. (*)	)	1	Flag
Big Trees (>0 Sm DBH)	()	<b>(D)</b>	0		Big Trees (-0.3m DBit)	0	$\bigcirc$	0	0		Big Trees (+0.3m DBH)		0	0	
Small Trees (<0 3m DBH)	<b>②</b>	()	0		Small Trees (10 3m DBH)	0	0	$\bigcirc$	0		Small Times (<0.3m1bBH)		0	0	
Woody Shrubs, Saplings (0.5m-5m HIGH)	0	0	0		Woorly Shrubs, Saplings (0,5m 5m HIGH)	0	$\odot$	$\bigcirc$	<u> </u>	ļ	Woody Shrubs, Saplings (0.5m-5m HIGH)		0	$\bigcirc$	
Vylondy Shrubs, Saplings (<0 bm HIGH)		0	0		Woody Struibs, Saplings (<0.5m HIGH)	(4)	$\bigcirc$	0	0	ļ	Weody Shrubs, Saplings (<0.5m HIGH)		0	0	
Herbs Forbs and Grasses 0	$\odot$	0	0	ļ	Herbs Forbs and Gresses	0		0	0		Herbs Forbs and Grasses 🕝 🤇		0	0	
Bare ground (6)	0	0	$\bigcirc$		Bare ground (+)	$\odot$	$\bigcirc$	0	$\bigcirc$		Bare ground (19)	O(C)	$\bigcirc$	0	
Litter duff	<b>®</b>	0	0	ļ	Litter, duff (e)	<b>(b)</b>	$\odot$	0	0		Litter duit (1)	0 0	$\odot$	0	
Rock 🕝 🕲	$\odot$	0	0	ļ	Rock 💿		0	0	$\bigcirc$	] .	Rock 🕲 🖯		0	0	
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Submerged Vegetation 0	$\bigcirc$	0	0	<u></u>	Submorged Vegetation	0	$\bigcirc$	$\bigcirc$	0		Submerged Vegetation (C		0	$ \odot $	
Stressor Presence/Ab	sen	ie - I	Conf	irm that	a filled data bubble indicat	es pri	esen	cc an	d an	untilled	l bubble indicates absence by f	illing th	is bul	oble.	<b>(3</b> )
Residential and Urba	an S	tress	sors		Hydrology S	tress	ors				Agricultural & F	≀urai S	itres	sors	
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - P	lot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Road-gravel	0	O	0		Dirches, Channelization		0	Ô	0		Pasture/Hay	Ο	Ο	0	/
Road - Iwo lane	О	0	0	<u>.                                    </u>	Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<u> </u>	0	0	0		Range	0	О	О	
Road - four lane	О	.0	О		Water Level Control Struc	CLUTE	0	О	0		Row Crops	Ο	Ο	0	
Parking Lot/Pavement	О	О	0		Excavation, Dredging		0	0	0		Fallow Field (RECENT RESTING ROWCROTTER)	0	О	0	
Golf Course	О	0	Ο		Fili/Spoil Banks Freshly Deposited Sedim	ont.	O	Ο	0		Tallow Tield (OLD GRASS SHRUPS TRF(S)	0	0	0	
Lawn/Park	0	0	6		(UNVEGETATED)	CINE	O	0	0		Nittsery	0	0	0	
Suburban Residential	0	0	0		Soil Loss/Root Exposure		(B)	<b>@</b>	0		Dairy		0	0	
Urban/Multifamily	0	0	O		Wall/Riprap		0	0	0		Orchard	O	0	О	
Landfill	0	0	0		Inlets Oullets Point Source/Pipe		0	0	0		Confined Animal Feeding Rural Residential	0	0	0	
Dumping	<b>(2)</b>	0	0		(EFFLUENT OR STORMWATER)		0	0	0		Gravel Pit	Ó	0	0	
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Gas Wells	0	0	0		Forest Selective Cut		0	0	0		Mowing/Shrub Cutting	0	0	0	
Mine (surface)	0	0	0	<u> </u>	Tree Plantation Tree Canopy Herbivory		0	0	O		Trails Soil Compaction	0	0	0	
Mine (underground)	0	0	0		(INSECT)		0	0	0		CANIMAL OR HUMAN).	0	0	0	
Milifary	О	0	0		Shrub:Fayer Browsed (WILD OR DOMESTIC)		Ø	Ø	0		Offroad vehicle damage	0	0	0	
Other	0	0	0		Highly Grazed Grasses (OVERALL<3" HIGH)		0	Ο	0		Soil erosion (FROM WIND, WATER OR OVERUSE)	8	<b>Ø</b>	0	
Other-	0	0	O		Recently Burned Forest Canony		0	0	0		Other:	0	0	0	
Other	0	0	O		Recently Burned Grassland (BLACKHNED)	4	0	0	0		Olifer	0	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.

Buffer Sample Plots 05/27/2011

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

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Site ID: PCPP		<u> </u>		<u> </u>	<u> </u>					DATE	L.E.D.	),	<u> </u>	<u> 0, C</u>	<u>L.</u>	<u> </u>	
Location:	_						4.1			1.5	uld not be	sample	ed an	id flag	——————————————————————————————————————		
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Fill in bubbles for all that apply: Co Strata Section: Fill in appropriate	nopy over	Type class	D = bubbl	Deciduou le for cac	is: E = Evergreen T.eaf	Type: B = F	roadles	π: N	Needle	: Leaf. /	Absent: No tree oderate(10-40%	сапору. k), 3 = Hea	wy (40	75%); 4 -	Very F	Heavy	(= 75%)
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Big Trees (>0.3m DBH)	$\bigcirc$	$\bigcirc$	0	}	Big Trees (+0 3m DB)			$\bigcirc$	<b>0</b>		Big Trees (	-0 3m DBH)	0	00	10	6	
Small Trees (<0.3m DBH)	0	<b>(</b>	0		Small Trees (<0.3m D∂l			0	$\bigcirc$		Small Trees (	<0.3m ()BH	0	ŌO	0		
Woody Shrubs, Saplings (0.5m-5m HIGH)	<b>(</b>	(1)	0		Woody Shrubs, Saplings (0.5m 5m HIGH)		(6)	$\bigcirc$	$\bigcirc$		Woody Shrut (0.5r	os, Saplings n-5m HIGH)	0	<b>®</b>	0	0	
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Parking Lot/Pavement	О	О	0		Excavation, Dredgi											J	
EXECUTE VIOLENCE OF THE SECOND OF			1,00000			119	O	Ю	O		Fallow Field		KLSTIN(				1
Golf Course	0	0	О		Fill/Spoil Banks	rig	0	0	0		Lallow Lield	) (OLD GR	1179.00	3 O	0	0	
Golf Course   Lawn/Park	0	0	0		Freshly Deposited		O				ROW CROPHELE	) (OLD GR	1179.00	$+\circ$	0		<u>.</u>
A Color of the Association of th	- ,,,,,	0			r promit Marie III in the light of	Sediment	O	0	0		ROWERDE ILLE Lallow Lield SHRUBS TRAL	) (OLD GR	1179.00	0	0	0	
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Lawn/Park Suburban Residential Urban/Multifamily Landfill Dumping Trash Other: Other: Industrial Developme Fill bubble if present - Plot Oil Orilling Gas, Wells	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	<u> </u>	Freshly Deposited (UNVEGETATEL)) Soil-Loss/Root Exp Wall/Riprap Inlets, Outlets Point Source/Pipe (OFFICIENT OF STORM) Impervious Surface (SHEETELOW) Offier:  Fill bubble if prese Forest Clear Cut Forest Selective Cut Tree Plantation Tree Canopy Herbiy	Sediment osure  Warer input		O O O O O O O O O O O O O O O O O O O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Flag	ROWCERT FILE Fallow Cield SHRIPS TREE NUISCRY Dairy Orchard Confined Ar Rural Resid Gravel Pil Irrigation Other ion Stresse Fill bubble Herbicide Us Mowing/Shri Trails Soil Compac	(QLD) GR. S)  minel fiee ential  Prs  if presc e b Cutting	ding	O		000000000000000000000000000000000000000	Flag
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Lawn/Park Suburban Residential Urban/Multifamily Landfill Demping Trash Other: Other: Industrial Developme Fill bubble if present - Plot Oil Drilling Gas Wells Mine (surface) Mine (underground)	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	Flag	Freshly Deposited (UNVEGETALLE) Soil-Less/Root Exp Wall/Riprap Inlets, Outlets Point Source/Pipe (UTILUENT OF STORM Impervious surface (SHEETELOW) Other: Other: Fill-bubble if prese Forest Clear Cutt Forest Selective Cut Tree Plantation Tree Canoby Herbiv (INSECT)	Sediment osure  WATER INDUIT		O O O O O O O O O O O O O O O O O O O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Flag	ROWCKD: IELD Fallow Cield SHRIES TREE Notes Ty Dairy Orchard Confined Ar Rural Resid. Gravel Pit Imgation Other Ton Stresse Fill bubble Herbicide Us Mowing/Shr. Frails Soil Compac	(QLD) GR. S)  Winnel Ree ential  Prs  e if presc e b Cutting tion MAN) Je damag	ding sat P	O		000000000000000000000000000000000000000	Flag

Recently Burned Grassland (BEACKENED) Elag 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

Buffer Sample Plots 05/27/2011

Сапору

2428168304 "

Other:



Officer:

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CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	/ Assessment Progra	ım - Background Data	Sheet		Cp dievoland.Newczerwa
Project Label:	PCAP	Project Name:		Plot No.:	No.: Page 2 of
CLASSIFICATION		STAND SIZE	DISTUR	DISTURBANCES	
(FIT = excellent, good, fair, poor; CONF = high, med, low)	Fit and Confidence	_ >1,000 x plot size	type*	severity** yrs ago % of	% of plot description
Hvdrogeomorphic class (WETLANDS ONLY):		□ > 100 x plot size	Human		
= DEPRESSION	FiteConf=	= 10-100 x plot size	Naturai		
□ IMPOUNDMENT □ Beaver □ Human	Fit=Conf=	= 3-10 x plot size	Fire		
□ RIVERINE = Headwater = Mainstem = Channel	Fit=Conf=	azis iol⊈ik £-1 ⊑	Cut		
□ SLOPE (ground water aydrology or on a physical slope)	Fit=Conf=	azıs ıold > ⊏	Anımai		
□ FRINGING □ Reservoir □ Natural Lake	Fit=Conf=	DRAINAGE*	Other		
= COASTAL (specify subclass)	Fit=Conf=	□ Excessively drained	**L=low	vII=med low, M=med, MH=	**L=low, NC=med low, M=med, MH=med high, H=high, VH=very high
= BOG (strongly, moderately, weekly ombrotrophic)	Fit= Conf=	□ Somewhat excessively	Current Land Use:	and Use:	
Ohio EPA VTBI Plant Community Class (WETLANDS ONLY)	NLY):	c Well dramed	Former Land Use:	ind Use:	
⊏ FOREST ⊏ swamp forest ⊐ bog forest = forest seep	Fit Conf	⊏ Moderately well dr.	HYDRO	HYDROLOGIC REGIME*	
CEMERGENT I marsh I wer meadow II open bog	Fir Conr	⊂ Somewhat ooorly dr.	⊏ Upland((	⊏ Upiand (seidöm flooded)	⊐ Intermittently flooded
C SHRUB C shrub swamp C tall sh. bog C tall sh. fen	FirConf=	□ Very poorly dr.	= intermitte	= intermittently/seasonally saturated	⊐ Sempermanently flooded
MODIFIED NATURESERVE CLASS*		n Impermeable surface	(seldom flooded)	flooded)	□ Permanently flooded
CODE (on separate form):	FirConf=	SALÍNITY*	с Реппапет	c Permanently//Semipernanent, saturated	1 = Tidal/Seiche flooded daily
COMMUNITY NAME:		□ Saltwater	(dry <1.)	(dry <1/yr, seldom.flooded)	□ Tidal/Seiche flooded monthly
		□ Brackish	C Occasion	□ Occasionally flooded (<1/yr)	= Tidal/Serche flooded irregular
LANDFORM TYPE*:		⊐ Fresh	⊏ Tempora	E Temporarily flooded	(e.g. wmd, storms)
		⊐ Upland (n/a)	÷		⊆ Unknown
HOMOGENEITY	Additional notes & diag	rams: (Representativeness	of plot to the	Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	amutiy, etc.)
□ Fomogeneous					
□ Compositional trend across the plot			*		
□ Conspicuous inclusions					
⊐ Irregular/pattern mosaic	1		* 1		
			,		

Park on Street near Recreation Area (Blue signs indicate) off of Bass wood drive. Walk west across Sield to cement drainage thate. Work along stream that until flood plain widens. Plat is to the north