PCAP PLOT DATA	A QUALITY CONTROL			Is:	,
Project Label:	PCAP	Plot No	o:]//O_Date	Sampled: <u>b/14</u>	[[] Lend: DS
			-	ment required if iten	
Parking/Access outs	de of Park Boundaries.	Y 62	If yes, write infor	mation in Comments	section below
Field journals compl	eted	Ø N			
Site sketch made on	1.3000 máp?	D N			
Check cover page	X-axis Bearing of plot recorded	10 N			
	GPS coords, Recorded	И			
	North direction recored	Ø N			
	Photographs taken?	N (Q)			
Plot No., Date agree	ment on all pages?	(Ŷ) N			,
Header data complet	ed all pages?	N			
Cover classes record	ed in all Intensive modules	N (V)			\$,
Browse Level By Sp	ecies	И			· · · · · · · · · · · · · · · · · · ·
Woody stem quality	control check	И			
Invasive plant qualit	y control check	Ø N			
Ash frees mapped		Y N	NA		
Cover by Strata? (co	nfirm cover type)	Ø N			
Soil samples collecte	xt?	(T) N			
Vouchers labeled on	datasheet with initials and number	Y N	NIA		
Vouchers labeled on	collection bag	Y N	NA		
Data sheet QA befor	e leaving site?	18 N			
Data sheets scanned	?	6/23/11	Enter date to left		
Final data sheets sea	nned?	T-7-7	Fater date to left		
Web Soil survey		(Y) N			
Voucher Location	Refrigerator	YN	NA		
(# vonchers collected)	Press (#)		Enter number to l	eft	
	Drier	Y N			
İ	Identified	YN			
	Mounted	Y N		7	
	Thrown away	YN			

Was there a wetland at the point?: Was there a wetland within 60m of this point?

_	<u>y</u> (
1	$\binom{r}{r}$	'n

If NO, go to the next question. If YES, stop

there a welland within 60 in of this point?

Y

N

If NO, go to the next section. If YES, stop.

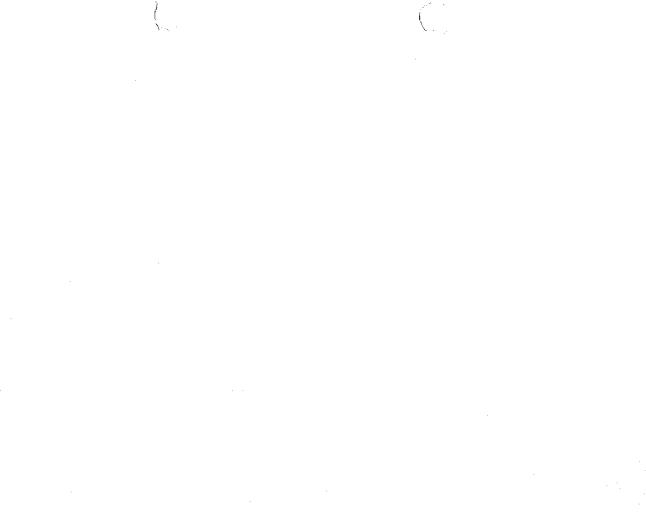
Pick one of the next three options below:

Developed with buildings, roads, pavement, fill
Developed with buildings, roads, pavement, fill
Developed with furf
Other (specify):

The soils ARE hydric and the area at the point is
Developed with buildings, roads, pavement, fill
Developed with buildings, roads, pavement, fill
Developed with buildings, roads, pavement, fill
Other (specify).

No wetland determination can be made (explain below)

Additional Comments:				
Boller widths measured a	d entered - JEM	៤[ព]ព		



CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	ssment Program	- Background Data (Sheet			
						#14.40 CBM 825240 CBM 84540 CBM
Project Label:	PCAP	Project Name: Ol RR 2011	Ol RRZoil	ن ظ	Plot No.: /	// / O Page 2 of 2
CLASSIFICATION	200	STAND SIZE	DISTURBANCES	ES		
(FIT = excellent, good, fair, poor; CONF = high, med, low) Fit an	Fit and Confidence		type* severity**	ļ	yrs ago % of plot description	escription
Hydrogeomorphic class (WETLANDS ONLY):		□ >1,000 x plot size			100 77	Trail near plet, nails for
□ DEPRESSION Fit=_	Conf=	□ > 100 x piot size	Natural			
⊃ IMPOUNDMENT ⊆ Beaver ⊃ Human Fit=_	_ Conf=	□ 10-100 x piot size	Fire			
□ RIVERINE □ Headwater □ Mainstein □ Channel Fit=_	Conf=	3-10 x plot size	Cut			
⊃ SLOPE (ground water hydrology or on a physical slope) Fit=_	Conf==	1-3 x plot size	Animal L	0	100 d	deer byouse
□ FRINGING □ Reservoir □ Natural Lake Fit=_	Conf=	< plot size	Other			
⊃ COASTAL (specify subclass) Fit=	Conf=		**L=low, ML=med	low, M=med, N	H=med high	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high
□ BOG (strongly, moderately, weekly ombrotrophic) Fit=	Conf=	7	Current Land Use:	FARKLAND	Ď	
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):			Former Land Use:	UNKROWN	Ž	
□ FOREST □ swamp forest □ bog forest □ forest seep Fit=_	_ Conf=		HYDROLOGIC	REGIME*		
= EMERGENT ⊐ marsh ⊏ wet meadow ⊏ open bog Fi(=_	Conf=	SALINITY*	□ Upland (seldom flooded)	poded)	- J	⊃ Intermittentiv flooded
SHRUB = shrub swamp = tall sh. bog = tall sh. fen Fi=	Conf=	⊐ Saltwater	□ Intermittently/scasonally saturated	onally saturated		Semipermanently flooded
MODIFIED NATURESERVE CLASS*		n Brackish	(seldom flooded)		ď. T	⊃ Permanently flooded
CODE (on separate form): (20)	Fit= Conf=#		□ Permanentlv/Sempermanent, saturated	permanent, satu	CI	□ Tidal/Seiche flooded daily
COMMUNITY NAME. MESIC FLOODSLANS FR	F886-57	(by default unless plot is a wetland)	Decasionally flooded (<1/yr)	led (<1/yr)	u H	Tidal/Seiche flooded irregular
			,) c	= Unknown
HOMOGENEITY	tional notes & diagrai	Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	of plot to the stand, si	cessional stati	is, maturity, o	etc.
Homogeneous	there lay	er very s	sparke-ab	sent, c	lesso, t	that baxing
□ Compositional trend across the plot	To thook	an o	2 Grovas	expect	Дс ф	e ce escrir per
□ Conspicuous inclusions □ Irregular/pattern mosaic 1	years, but	very	browse	observe	×.	in current year

				υ ₁ ~		CW.			6 7 9	2	7		6			۶	87	<i>'</i>	76	Ri W	82	2	1 2 Y	2,	T S H (F) (A) Br	Strata - Cov. entire plot					Visual est, % open water entire site	Total modules:	Project Label:	CLEVELAND METRO
Our orhige planton:	Toxicodendon radicans	Arknewn wordy diect	00.	Podephyllin pettatum	Crataeous Sp.	Acer rebrum	Executives hieracipalia	175 Arstivalis	Liciodentes telipitera	resentes sp.	U+iHari	3	sulvatica	Poblica service cucia	Acer seedling		Dolikaso caosia	11th's Reed Ding	Lindera bengein	Ronde	Pollopertum pubercens	Assacra triphyllum	Prinos scrotina	Acer succhaven	Species		entire plat	describe amount of browse per species over	BT II BOWAR BVB		7	10	PCAP	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet
		P 4447		R)		(v)	7		+ 0	- † - (00		<u>گ</u>	N U	٧	2)	2)	<u>ي</u>	W	200	ω,	\mathcal{Q}	4 9 7	777	t 00 t	cepin	%unveg. ground (bare soil) 1 2 Surveg. litter (care litter) 1 4	Munvegetaled open water 1 0	%open water 1 0	module: ceptr cov ceptr	Estimate for each $\frac{ n_{00} }{ \mathcal{S} } = \frac{ n_{00} }{ \mathcal{S} } = $	Visual est. %unveg.o.w. entire site:	4	Project name: 01RR 2011	nent Program Species Cover Data S
	20		(X)			6 75 7	(3)	2	628	Q 3 Q 3 4	White St. W.	- margary ser	7 2 4 1		% √ ₩	1 1 7	2) 00 20	*	3 4 24 2		ない	2 2 3	*	-	cev depih	- \ - \ - \ - \ - \ - \ - \ - \ - \ - \) C		cov depin cov depin	comer mas comer mas comer mas c	Visual est. %invasives entire site:	Plot configuration: 2x5		- 1
	20					00 4 30 00 30			+45/5	2 3	5				12 2 12	α ω	P) #	/ 3 2 / 3) 3	132	+	4	cepin cov depth	90	7 0		depth cov depth cov depth	Comer nod corner mod corner mod corner		Plot area (ha):/		Page of
																									ev depth cov				depth	ner mod comer		`		

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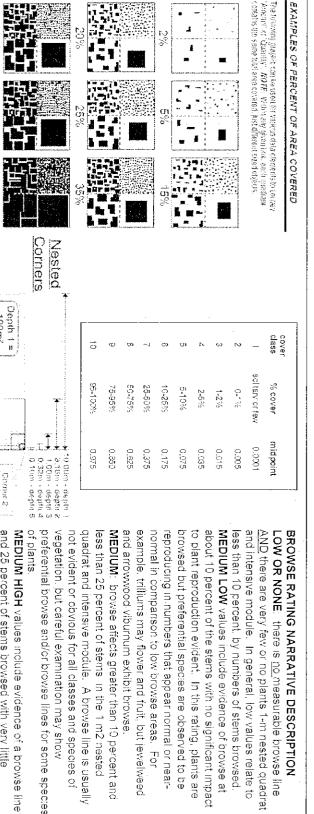
Corder 4

Depth 3 =

1112

green growth beneath

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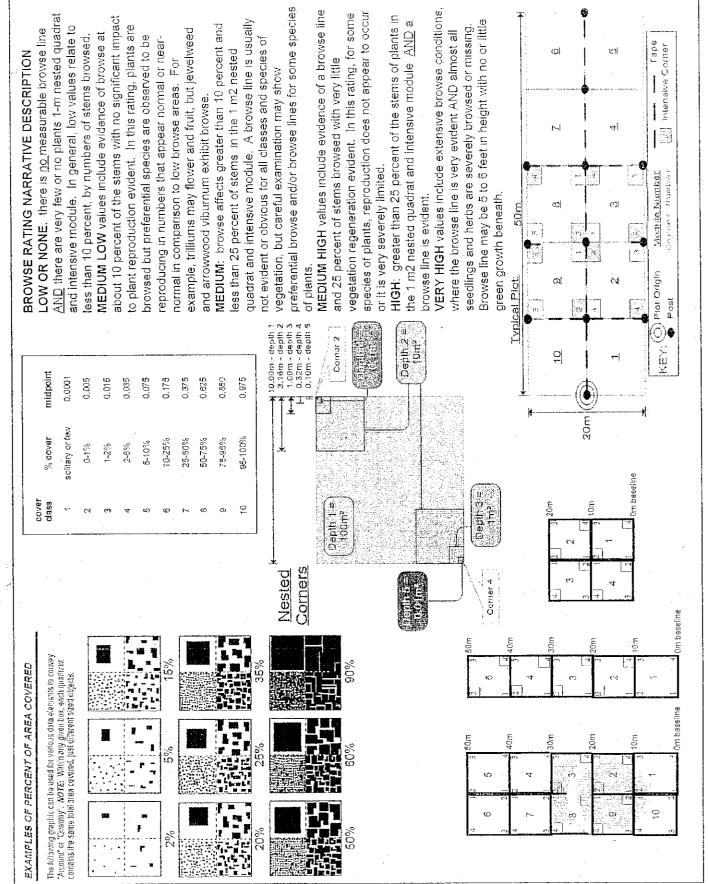
Depth 2 = Browse line may be 5 to 6 feet in height with no or little the 1 m2 nested quadrat and intensive module · AND a species of plants, reproduction does not appear to occur seedlings and herbs are severely browsed or missing where the browse line is very evident AND almost all VERY HIGH values include extensive browse conditions browse line is evident HIGH: greater than 25 percent of the stems of plants in or it is very severely limited. vegetation regeneration evident. In this rating, for some and 25 percent of stems browsed with very little

10m

198m/

天而く 0 •(ypical Plot Fork Plot Origin Medide Kilanbar Tarasa Tanbar ļ į]~4 Intensive Comer ede. (O) (0)

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22.1 5.3 1.4				-					%unveg. litter (bare litter)		Strata - Cov. entirė plot	<i>∞</i>
							-	1	Sunvegerated open water (los erad) paraged (bare soil)	entire pios	etoparas	rar cl
							-	1	%open water	describe amount of browse per species over	leveland	il Tarana
depth cav	Aoz. Utder	cov gepih rcar	cov depth c	cay deptn	cov depin	cov dep.n	cov depth	depth	intensive module:	Br = Browse Level. Use cover classes to		
R mou	nod comer	N I	The mod co	compar mod corner	Comer Trail	S de la	comer mod	med co	Estimate for each		0)	
				anine site	Visual est. %invasived.anite site	Visuali			. %unveg.o.wgailte_site:	mitire site. Visual est.	Visual est. % open water <u>entire</u> site	Vis
) 0.1	Plot area (ha): 0		2 × 5	ration:	Plot configuration:	Plo	4	Intensive modules:	9/	Total modules:	ᅼ
) 	:	!	11/0	Plot no	-	1102	OIRK	Project name: 0/RR2011	PCAP	Project Label:	D
	raye of	ر من				sneet	/er Data	les Cov	ent Program Speci	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Street	EVELAND METR	\overline{C}



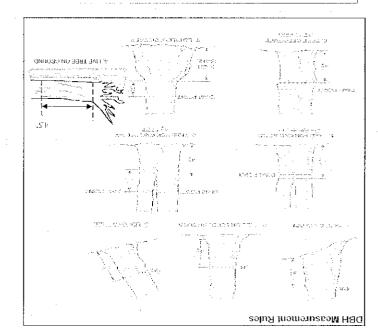
Ì 0.00 É ĺ _____ CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Γ ſ _[_ PRINCS Studing Prins Olyxxx ACR Prines Explain subsample (additional room on back) A Far Standing & Pad Princs Strating Lindera Fraxitus phinsylvanica Lind Ally Littledanden toligiften VILLE & 1/10 1/15 Acer Apr repres Lindara panzoin Acer Standing dead Lindera Alar Saccharum Acor Standing drad Wolden J Saccharan rubrum Sechavion S G COR Gran sproting Saccharon Suction Chace benzoin かっせつり SyNatica Phy tois Project Label: PCAP # stems browsed 0,5-1m or super % ತಲರಿ Project Name: 0/29 2011 7 エム dunes \tilde{G}_{3} # size class (cm) woody stems >1m · · Plot No.: 1110 Þ P 43 4. Q-^.0 10 - <15 Page: \overline{X} 30 - <35 으 ्रि प्राह्मका वात विकास का वाद का विकास का विकास का विकास का का किया है। 94.2 グやオ 4 3. >40 (record each tree) 76.1 C 6 ::

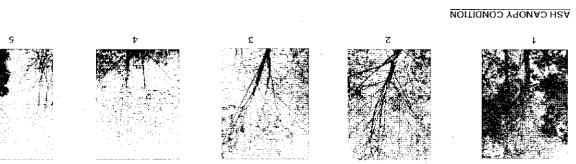
Woody Stem Deer Browse

Record the number of slems/plants belween 0.5-1.0 motors tall that exhibit evidence of this years deer browse

Record using the tally system from 1 to 10







- մ. Healthy, full canopy: A healthy sah canopy is normally thinner than many other trees such as maple
- 3° Dieback: Csnoby is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to singlight are dead (have no leaves). Lower branches, not exposed to singlight are dead to
- suntight, die naturally and are not considered
- (lowest branch) on the trunk

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

VSH CANOPY BREAKUP CONDITION (for dead trees):

A: All main branches contain fine twigs (newly dead)

B: Over 50% of main branches have fine twigs

 $\mathbf{C}\colon \mathsf{Less}$ than 50% of main branches have fine (wigs

D: Stem still standing and tertiary main branches present

E: Central stem still standing.

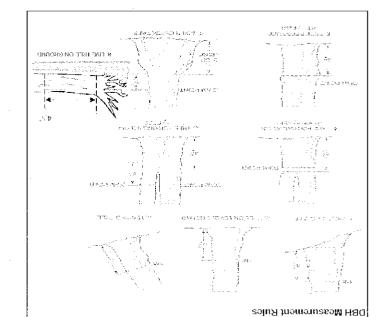
	CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Name: 0 (2)	ant C	PCAP	Assessment Profe	nt Program Na Project Name:	Vatural V	tural Woody S O & R \ \ \ \ \ \ \ \ \ \ \ [/	tem Dat	ta Sheet Plot No.: 1110	<u>=</u>		ව සුලුල: :	17	<u>Q</u>		D ghradand strap also
		Explain subsample (additional room on back):	on ba	ack):													
					# stems % sub	#	size class (cm) woody stems >1m	(cm) wood	y stems >	lm							
	TiOd 推	species	0	voucher#	0.5-1m cr super	shrub dumps	Ö -	2-<2.5	2.5-<5	4 A	10 - ×15s	15 - 6 - 620	7 20 - <25	8 25 - <30	30 - <35	35 - <40	>40 grecord each tree
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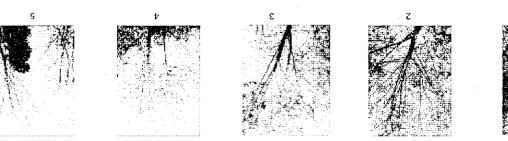
Woody Stem Deer Browse

Record the number of slems/plants between 0.5-1.0 meters

Of of I morit metrally system from 1 to 10







ASH CANOPY CONDITION

- \mathcal{J}^* **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: Canoby is thinning and some top branches exposed to smilght are dead (have no leaves). Lower branches not exposed to
- 4" >20% bjebøck: The canopy has less than half of the leaves that should be there and/or half of the top pranches are dead
- (lowest branch) on the frunk.

 The first of
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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

tsuk se descriped pelow)

- W: Vil main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs
- $\ensuremath{\text{\textbf{C}}}\xspace$ Tess than 50% of main branches have time twigs
- D: Stem still standing and tertiary main branches present
- E: Central stem still standing.

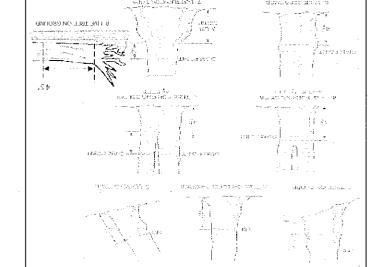
S. 6... Ċ CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 0 mod # ح 2 Prino Explain subsample (additional room on back): Lindford bonzoin Ulus Competions Arer Saccharun Acer robycon Acer Sardiarum Acer ribrin Stunding of all Soroting Project Label: PCAP voucher# # stems browsed sample 0,5-1m | cr super % sub Project Name: 0 RR 201 25 ciumps shrub # size class (cm) woody stems >1m 5×7 7.42.5 Ö 2.5.<5 Plot No.: 1/10 10 - <15 15 - <20 20 - <25 Page: 30 - <35 읔 ್ಟ್ರಿಲಿನಿಸಲಾಗು ಭಾರತಿಸಿದ್ದಾನಗಳು ನಿರ್ಣಿಕ್ಷಿಸಿದ್ದಾರೆ ಬಿಂತಿಸಿದ್ದಾನಗಳು 59.0 >40 (record each tree)

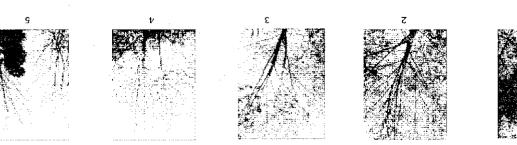
Woody Stem Deer Browse

Record the number of stems/plants between 0.5-1 0 meters tall that exhibit evidence of this years deer browse

Record using the fally system from 1 to 10



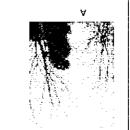




ASH CANOPY CONDITION

DBH Measurement Rules

- 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. Dioback: Canopy is fininning and some top branches exposed to sunlight are dead (have no leaves). Lower branches not exposed to sunlight, dic naturally and size not considered.
- **c. Dead canopy:** No leaves remain in the canopy portion of the free. If still counts as a 5 even if there are epicormic sprouts below the canopy **c.** >**5. Dead canopy:** No leaves remain in the canopy portion of the free. If still counts as a 5 even if there are epicormic sprouts below the canopy.
- (lowest branch) on the frunk.



VSH 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

tsuk sa deactiped pelow)

- $\mathbf{A}; \mathbf{A} \mathbf{I} \mathbf{I}$ 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 Plant Community Assessment Program: Invasive Species Survey

	patch size (S,M, L)	bns soin	oloo t	a # 9di	descr	ent field	"stem #" but in comm	broson sansiq na	
							Periwinkle	(G-cover)	Vinca minor
							ряте's Rocket		silenorism siraqsaH
							Common Teasel		munollut subesqiQ
		X					Canada thistle		Sirsium arvense
							(bneltew) slietteD	epnelgo	c.T ,silofitzugns erlqyT
		X		X	X	(qn.iqs)	Multiflora Rose		Rosa multiflora
					,	(dunds)			sunia alugaari7
		ĺ					Japanese Knotweed	u	Polygonum cuspidatur
							sotimgen49	(wetland)	zilartzua zətimgard9
		_ χ	X	X			Reed Canarygrass		Phalaris arundinacea
						(dunds)	Bush Honeysuckles		L. morrowii, L. tatarica
			X			(qn.iqs)	Common Privet		Digustrum vulgare
x: yes			<u>X</u> _	X	X		Garlic Mustard		Alliaria petiolata
Presence		MN	MS	SE	NE				
	comments		auce	isən4				4: Widespread a	
						(qnuqs)	Doublefile Viburnum		Viburnum plicatum
						(qnuqs)	European Cranberry		Viburnum opulus var.
			<u></u>				Star of Bethlehem		ellədmu mulagoritimO
			<u> </u>				Yellow Flag Iris	(bnstiew)	lus bseudacorus
			<u> </u>				Wineberry		Rubus phoenicolasius
			<u></u>				томульт	(G-cover)	Pulmonaria officinalis
						(qnuqs)	Mock Orange		Philadelphus coronari
							Lapanese Pachysandra	<u> </u>	Pachysandra terminali
05< ∶€						(qnuqs)	Five-leaf Aralia		Fleutherococcus penta
7: 11 20			ļ				Стоwn Vetch	ļ	Sinsy silinotoD
1: 1-10	, , , , , , , , , , , , , , , , , , , ,					·	Lily of the Valley	(Tevoo-D)	zilajam ainallavnoD
# of Plants	· · · · · · · · · · · · · · · · · · ·	MN	MS		NE		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
سلسبعل	comments		stns!	d to #				er 3: Presence is	
			ļ				Wintercreeper		Euonymus fortunei
				/		(apræb)	Amur Honeysuckle		Lonicera maackii
						(spunp)	əvilO rımınlı.A		Elacagnus umbellata
			ļ				Cut-leaf Teasel		Dipsacus laciniatus
			<u> </u>			(European Alder		esonitulg sunlA
		11.	1,		1,	(qnuqs)	Japanese Barberry		Berberis thunbergii
<u> </u>			ļ			(qnuqs)	Соттов Висктрого	(0.00000000	Rhamnus cathartica
<u> </u>			ļ	ļ			Poison Hemlock	L	Gonium maculatum
-							Hedgeparsley		Torilis sp.
L							Asian Bittersweet		Aegopodium podagan Celastrus orbiculatus
			ļ				Bishop's Goutweed	<u> </u>	
			ļ				Purple Loosestrife		Lythrum salicaria
000'T< :9			-				Japanese Honeysuckle	(aniv)	Ailanthus altissima Lonicera Japonica
2:100-1,000			-	ļ	ļ	<u> </u>	Norway Maple Tree of Heaven		Acer platanoides
001.05		0.0.0.1	100	7.0	71 h i		olacM venach		20lyiogetela 202A
sinel9 to #	รานอเมเมดว	MN	MS		JN		nanaan	Tier 2: Assess as	
*	ztasmaro		2fnci	q 10 ii	Τ	· · · · · · · · · · · · · · · · · · ·	Howering Rush		Butomus umbellatus
1							ВІвск Swallow-wort		Cynanchum louiseae
l			<u> </u>	-			Lesser Celandine	(excita)	Ranunculus ficaria
						1	Accept (Albandana)	i	
524 W								111	
X: yes		AANI	AAC	30	ואנכ		ssengillis esensgel	m	Microstegium vimineu
X: yes	Sd9	WN	MS	Pres	NE				Microstegium vimineu

* 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)

23 22 Ŋ 23

Map all ash frees ≥10cm in each module using Tree ID number

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet Project label: PCAP Project Name: 0 RR 2011

Plot No.:

्रीती स्थानात्म जिल्ला विकास स्थान विकास स्थान
Page: 1 of 1

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

Soil pit module # 3 (one per entire plot)

* refer to texture ** e.g. hydrogen *** Circle one: I=mdmdated S Notes: include (worms: casting //O @ q // n // n // n	20 cm	ол С Э
er to texture classes on reverse side g hydrogen sulfide odor, gleving, etc Circle one: Tundated Sesaturated Memoist Dedry as: include evidence of earthworms ris. castings, middens) NO EURTHWOMS WERE Found ON middens Found on the Soil Pit.	matrix color / O Y/2 4/ 6 mottle color / O Y/2 4/ 6 mottle color / O Y/2 4/ 6 %mottle / O Y/2 4/ 6 // Mottle / O Y/2 4/ 6 // Mo	

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

DRAINAGE*	Parent Material: Allovium	Landform type: Flood Dlain	Soil Series Source: Ohio Soil Survey	Soil Series/Type: Chagrin Silt loam	Web Soil Survey Information:	Soil Description/notes: No Parthworms, castings or middens were collected in this plot.		2,3,8,9 composited	Soil Collection Module
	7	plans	urvey	ilt loam	-	coll+of-od coll+of-od	,	A	Horizon (A, B, C)

SOIL DEPTH MEASUREMENT INSTRUCTIONS: Measure to the organic litter+ aepth (CIII) . . 2 litter くう depth record as >30 7125 7/25 depth(cm) 3 restrict. SSM depth water

Length of soil probe = 125 cm Use Web Soil Survey for #3 Restrictive layer dept Agen)e Heret

□ Somewhat excessively

⊃ Moderately well dr.

Weil drained

: Very poorly dr. e Somewhat poorly dr.

Impermeable surface

Excessively drained

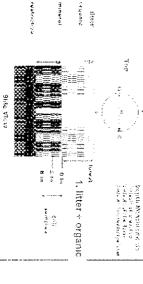
2

80 inches ocate tran restrictive layer

each intensive module. Required for VIBI-E score calculation. collected in 6, tin clip plots (32x32 cm) from corners 1 and 3 m STANDING BIOMASS (required for emergent wetlands): C?=check when collected

Corner	Comer	C?	Module#

nearest 0.1 cm in center of intensive modules. If >30.5 cm, Š Ó ンだり 8 Q 0 Q *6* ∾ ٥ د ٥ sat soil 0 depth (cm)



SaCM PCAP Scile_Grown cover_Landform_Standing Biomass_Data Sheet_Ver 2xls.xls last revised 6/9/2011 ceh

UNKNOWN: The hydrologic regime cannot be defermined from the available information "babooff

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

modifiers

is normally saturated when water level drops below soil surface. Includes Cowardin's Intermittently Exposed and Semipermanently Flooded SEMIPERMANEUTLY FLOODED (exposed <1/i>
Surface water persists throughout the growing season in most years. Land surface Intermittently Flooded 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 and West for water regimes of Playa takes, intermittent streams, and dry washes but can be used in other parts of

seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was INTERMITTENTLY FLOODED: Substitate is usually exposed, but surface water can be present for variable periods without detectable

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

LEMBORARILY FLOODED: Surface water present for brief periods during growing season , but water table usually lies well below soil characterizes flood-plain upper terraces

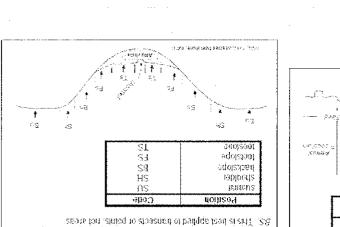
OCCASIONALLY FLOODED: Surface water can be present for brief periods during greason, but not in most years. Often

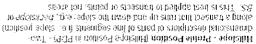
saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier PERMANENTLY/SEMIPERMANENTLY SATURATED: Dry less than once per year Surface water is seldom present, but substrate is

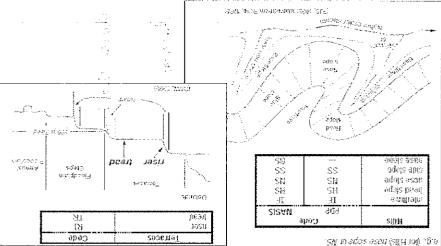
o surface for extended periods during the growing season.

INTERMITTENTLY/SEASONALLY SATURATED. Dry at least once per year Surface water is seldom present, but substrate is saturated UPLAND: Not a wettand Very rarely flooded

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

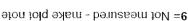






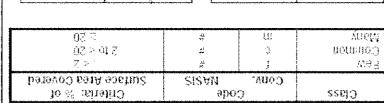
चावै" ((ला. मुझार) फकर राजेक का भूत्र" प्रस्तराजीवार अरु करणाइक्रीय का मुसार) स्वाध्यक्षार अरु मुख्य मुख्य है। स्वाधर landicinis or may obsumes that are best applied to seess. Unique Geomorphic Component - Trace-dimensional descriptors of parts of

%Z



- - 4= Coarse Sand
 - 3= Sandy
 - 2 = Clayey

 - 1= Loamy
 - oinagnO =0



Suitace Area Covered	SISAN	(COUA"	50 000年
30 % saitshio	apo:		sselO

does not freely flow from the sample when squeezed. Aftempt 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

which form a ball but not a ribbon should be coded as loamy porti si pall and a rippon 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

PERCENT MOTTLES (USE CLASS CODES):

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: 0 R 201

Plat No.: 110

Туре

%Cover

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TRAIL INFORMATION: If trail falls in plot record type and cover for each

Companied Educations store

COVER BY	COVER BY STRATA(% estimate using midpe)(%5,6(5 ext. 3, 6, 13, 18))	stimate using
Strata	Height Range [m]	Total Cover (%)
Tree	ار بر	36
8:1:18	05 D	U)
Harb	× .03	X 13
(Floating)*	1	
(Aq_atic)**		
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pasia widns	" submersed impst plant mass below surface	below surface
SEE BACK	SEE BACK OF PAGE FOR 'TYPICAL	"TYPICAL
STRATA DE	STRATA DESCRIPTIONS, STRATA	STRATA
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)			
0	Road Trail	ib	*** va en la diameter
ω	Bare Soil	,	"Booker = > (C)h
0	Water	į	• Grave : Cobble = 1/16 to 10 in
(v)	Briophwe-Lichen	0	Bedrock
0	Duff (Form —Illumus)	0	Betider**
38	Lotter	0	Gravei-Cobble*
13	Fine Wordy Debris****	100	Mileral Soil
* ∞	Coorse Woody Deodis***	0	Histosol
percent	$(Each \le 16000)$	percent	984m = 109361
	Ground Cover	th Surface`	Underlying Earth Surface`
	UND COVER	ACE & GRO	EARTH SURFACE & GROUND COVER

Remember: In a standard 2x5 plot each module = 10% cover

Ranke for privonsibilat features. Sered one or series two and sweage the sone. NOTE: If mod falls on a rippo extomation (yet) convidence on alcopross (1-2)	tres. Selectione crissis	of two and average the	e score, NOTE: Ifr	ned falls on a siope actor	ratea ly geta rank	od based on atcopres	A (1-6)	
Slope file (ght elevations) grade apross module (%)	i grade aproes module (Slope 2 = fals on slope ~20.	5.ope ~20 ·	Slope 3 = maxin	Slape 3 = max mum stecknass (net can bd safely sembled ~45 f	an po safoly sembled	45
G realtine is absent or functionally absent (Golf Course Flat)	stonelly statent (3 of Co	1.86 F(B)						
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feeture is present in mo	Redural's presentin producate amounts, but not of signost quality, on in small amounts of highest quality	of signost quality lor in	smallamounts of h	ghest quality				
10। ਇਸਪਾਦ is mesent 'n moderate or greater amounts and of highest qually	oderate of greater amou	nb and of highest quali	Ş.F					
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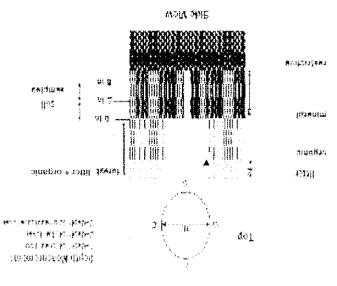
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*Very tall shrubs are sometimes i	included in the tree stratum
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Piosting	gnibed 1
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, epiphyle)
	сыруус)
Free (generally >5 m)	Tree (overstory), very tall shrubs* lisma
MUTARTZ	GENERAL FORM
COVER BY STRATA	



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Road - four lane Parking Lot/Pavement				0	0	0		Excavation	ı, Dredgir	ng		0	0	0		Fallow Field	d (RECENT-RESTING	, O	0	0	
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Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
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Fill in bubbles Strata Section								s, E = Evergre		ype: E	s - Bro	oadlea	t; N I	Veedle	e Loaf. /		e canopy. %);); 4 ··· \	/ery H	leavy	(= 75%)
Buffer C	Canopy Lea	y Typ f Typ		_ >	< I	bsen	t: O	Buffer Plot 2	Canop	y Typ ıf Typ		\sim	\leftarrow	sent	t: O	Buffer Plot 3	Canopy Type:			seni	t: O
Big Trees (>0:		$\overline{}$	\cap	$\overline{\cap}$		0	riay 	Big Trees (()		<u> </u>	6	riay	Bio Trees	(>0 3m DBH)	0		0	riag
Small Trees (<0.:	3m DBH)	\sim	ŏ	$\tilde{\odot}$	©	<u> </u>		Small Trees ('		Ö	(4)	ŏ	<u> </u>		Small Trees			0	0	
Woody Shrubs, S (0.5m-5n		0	0	0	0	0		Woody Shrub			$\overset{\smile}{\bigcirc}$	0	ŏ	$\widetilde{\bigcirc}$			tos, Saptings im-5m,HIGH)	0	\odot	0	
Woody Shrubs, S	<u>-</u>	0	®	0	0	0		Woody Shrub		6	0		ŏ	<u> </u>		Woody Shru		Ŏ	\odot	0	
Herbs For		0	(Ō	Ö	0			orbs and		<u></u>	Õ	ŏ	0		1	Forbs and	0	Ŏ	\odot	
Bare g		Ö	•	Ŏ	Ŏ	Ŏ		Bare	Grasses ground		Ō	Ŏ	Ö	$\frac{\circ}{\circ}$		Bar	e ground 💿 🔮	0	0	0	
Litte	r duff	Ŏ	Ō	Ŏ	Ŏ	(tter. duff	0	0	\circ		<u> </u>			iller duff () ()	0	0	3	
	Rock	3	0	0	Ö	(1) (1)			Rock		$\frac{\circ}{\circ}$	\odot	ŏ	<u> </u>			Rock 🚳 🕕	0	0	0	
	 Water	0	Ō	Ö	O	0			Water	0	0	0	0	$\frac{\circ}{\circ}$			Wafer 🚯 🕦	0	\odot		
	merged		$\frac{\circ}{\circ}$	\circ	0	0			ıbmerged	6	0	$\tilde{\circ}$	$\frac{\circ}{\circ}$	\bigcirc			Submerged 🔊 🔘	0	\bigcirc	\odot	
	etation r Pres	Jan- 1	L	J	J		l rm that	·	egetation bubble i		\sim		\sim \perp		l unfilled	L	vegetation				6
Resido									Hydrolo	-					***************************************]	Agricultural & Ru		***************************************		
Fill bubble i				1	2	3	Flag	Fill bubble				1	2	3	Flag		if present - Plot	1	2	3	Flag
Road - grav				0	0	0		Ditches, C				0	0	0	73	Pasture/Ha		0	0	0	
Road - two I				0	O	0		Dike/Dam/	Road/RF			0	0	0		Range	· · · · · · · · · · · · · · · · · · ·	0	0	0	
Road - four	lane .	tot stokking t		Ō	0	O		(IMPEDE FLO Water Lev		ol Stru	icture		0	Ö		Row Crops		0	O	0	
Road - four lane . Parking Lot/Pavement				0	0	0		Excavation	i; Dredgii	ng		0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	Ö	
Golf Course		***************		O	0	O		Fill/Spoil Banks Freshly Deposited S				0	0	0			d (OLD - GRASS,	0	0	0	
Lawn/Park				0	0	0		Freshly Deposited Sedim			nent	0	0	0		Nursery			0	0	
Suburban R	esiden	tial		0	0	0		Soil Loss/F	Root Exp	osure	;	0	0	0		Dairy		0	0	0	
Urban/Multif	family			0	0	0		Wall/Ripra	p			0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sour	OR STORM	VATER	3)	0	0	0		Rural Resid	dential	0	0	0	
Trash				•	0	Ο		Impervious (SHEETELOV		ніры		0	0	0		Gravel Pit		0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:				0	O	0		Other:				0	0	0		Other:		0	0		
Indust	rial D	evel	opm	ent S	Stres	sor	S						labit	at/V	egeta	tion Stress	ors	· 	···········	·······	· · · · · · · · · · · · · · · · · · ·
Fill bubble i	f preso	ent -	Plot	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				0	0	0		Forest Sele	ctive Cut	Į.		0	0	0		Mowing/Shi	rub Cutting	0	0	0	
Mine (surfac	e)			0	0	O		Tree Planta				0	0	0		Trails		0	0	0	i
Mine (under	ground	1)	******	0	0	0	A de la chance de l'access	Tree Canop (INSECT)		<u> </u>		0	0	0		Soil Compa (ANIMAL OR H		0	0	0	
Military				0	0	0		Shrub Laye (WILD OR DON		d		•	•	8		Offroad veh	icle darnage	0	0	0	
Other:			-	0	0	0		Highly Graz (OVERALL -:3"	ed Grass	ses		0	0	0		Soil erosion OR OVERUSE	(FROM WIND WATER,	0	0	0	
Other:				0	0	0		Recently Bu Canopy	irned For	rest		0	0	0		Other:		0	0	0	
Other:				0	0	0		Recently Bu	ırned Gra	asslar	nd	0	0	0		Other:		0	0	0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Flag	codes:	K=1	io me	asure	ment		e, U = \$	uspect measi					c. flag		igned b	y each field c	rew. 242	8168		L	
Flag codes: K = No n Buffer Sample Plot				: 05	/27/2		iain all fi	ags in comm	ent sectio	on on	ore ba	ICK QI	inis 10	rm			~ t/s				

FO	RM	B-1	(: E	BUFFI	ER SAMPLE PLOTS -	TAR	GE	TEL) ALI	EN SPECIES (Back) Reviewed by	/ (initial);		
Site ID:	Po	ΆΣ	>	RE	2 1110	DAT	E: _() 6	<u>.</u>	1412011				
O Confirm	a fille	d da	ta bi	ıbble ir	ndicates presence and an unf	illed l	oubbl	e ind	licates	absence by filling in this bubl	ble			
ill 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	О	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 Knolweed	0	0	0		Multiflora Rose	0	0	0	,
Giant Salvinia	0	0	0		Perennial Pepperweed	O	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	O	(S)	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	************
Poison Hemlock	0	0	0		Cheatgrass	0	0	0	************	Tamarisk	0	O	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	Ö	
Birdsfoot Trefoil	0	O	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 COORI	DINA	TES	;		describbled for the subsect Market of Homester and Market Hills Society and Society Society Market Market Michael Market				
Location of coordinate O AA CENTER N	es (c	hoos O S	se o	ne): O E3	O W3 O Nearest pra	ctical Lor	ole lo	catio	on (flag	g and comment below)	, O		Fla	ag
Flag Comments												~		
riag Comments	' . 									· · · · · · · · · · · · · · · · · · ·				
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		attendings	to dand so refer	ere terlerinisten	म्माः च विरस्तकात्रकातिक विराजनात्। विभागति विभागति । विश्वविषयः विषयः विषयः विषयः विषयः विषयः विषयः विषयः विश स्थाः		to proceed a section god	··endomnita	maradal 11 maral 1381	1/1111-11/11031-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				
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										man and a supplier and the construction and the construction of th	- to dealer to / Lab			
Buffer Sample P	oints	 - Tar,	gete	d Alien	Species 05/27/2011					796	662	354	 8	

							FOI	RM B-1:	BUFI	FER SA	MPL	E PI	LOT	S (F	ront) Reviewed by	(initial)	:	_ (
Site	ID: 🗍	PCP	q_{l}	6	212		1116)						DATE	:06/14/2	0,	Į,	ı .	
Locati	on:								Fil	l in bub	ble(s)) if p	lot(s	s) cou	ld not be sampled and f	lag -	→		Π
OAA	Center	0	N	0	S	O E	= O	W	0	Plot 1	Ø 1	Plot	2	Ø F	Plot 3			1	-
ren t. t.b.r.	4 15 81			-	···	C - C	\			r Natura				_	5 1. N 5				
															ubsent: No tree canopy. oderate(10-40%); 3 = Heavy (40-75%); 4 = V	ery He	ачу (>75%)
Buffer Plot 1	Canopy	y Type of Type	189		<u> </u>	osen	t: () Flag	Buffer Plot 2		py Type: (af Type: (~ >	(·	sent	t: O	Buffer Canopy Type: (*) Plot 3 Leaf Type: (*)	\sim		sent:	Flag
Big Trees (:		1	(A)	\bigcirc		\bigcirc		Big Trees (>	0.3m DBI	900	i M		0		Big Trees (: 0.3m DBH)	$\overline{\mathbb{O}}$			
Small Trees (0	Ŏ	Ŏ	6	0		Small Trees (0	Ŏ	$\stackrel{\smile}{\odot}$		Small Trees (<0.3m DBH)	Õ	ŏ	Ŏ	
Woody Shrubs		0		Ŏ	0	0		Woody Shrubs	s, Sapling		0	ŏ	0		Woody Shrubs, Saplings	0	ŏ	Ŏ	
Woody Shrub			0	$\frac{\circ}{\odot}$	0	0		Woody Shrub:		600	0	ŏ	0		Woody Shrubs, Saplings	0	0	0	
	0.5m (IICH) Forbs and	Ö	0	$\overline{0}$	<u> </u>	0			.5m HIGH orbs and	. _ _	Ŏ	0	$\frac{1}{0}$		Horbs Forbs and	0	<u></u>	0	
Paro	Grasses ground		\circ	\circ		0		Doso	Grasses				0					\equiv	
		-		_			-		ground	$-1 \stackrel{\sim}{=} 1 \stackrel{\sim}{=} 1$		\bigcirc	$\tilde{}$		Bare ground ()		$\frac{\odot}{\bigcirc}$	\bigcirc	
rt.	tter. duff	(<u>()</u>	0	0		0		LII	ter, duf			0	\odot		Litter. duff () ()		\bigcirc	\bigcirc	
	Rock	©	\odot	0	\bigcirc	0			Rock		0	0	0		Rock (a) (1)		\bigcirc	\bigcirc	
	Water	•	\odot	0	0	0	ļ		Water			0	0		Water ()	0	0	0	
V	ubmerged /egetation	9	\odot	\odot	\odot	\odot	<u></u>	V	ibmerged egetation		10	O	\odot		Submerged O O	$ \Theta $	\odot	Θ	
Stress	sor Pres	sence	Ab:	senc	e - (Confi	rm that	a filled data	bubble	indicates	resen	ce an	dan	unfilled	bubble indicates absence by fill	ing thi	s bub	ble. (9
Resi	idential	and	Urba	ın St	ress	ors		ı	lydrol	ogy Stre	ssors				Agricultural & Ru	ıral S	tres	sors	NATIONAL PROPERTY.
Fill bubble	e if prese	ent - F	lot	1	2	3	Flag	Fill bubble	if pres	sent - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Road - gra	avel			0	0	0	·	Ditches, Cl	nannelia	zation	0	0	0		Pasture/Hay	0	0	0	
Road - tw	o lane			0	0	О		Dike/Dam/ (IMPEDE PLO		R Bed	0	0	0		Range	0	0	0	
Road - for	ur lane			0	0	0		Water Leve	•	of Structur	e O	0	0		Row Crops	0	0	0	
Parking L	ot/Paven	nent		0	0	0		Excavation	, Dredg	jing	0	0	0		Fallow Field (RECENT-RESTING ROWCROPFIELD)	0	0	0	
Golf Cour	se			0	0	0		Fill/Spoil B	anks	and the second second second second second second	0	О	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)	0	0	0	
Lawn/Parl	k			0	0	0		Freshly De (UNVEGETAT		Sediment	0	0	0		Nursery	0	0	0	
Suburban	Residen	itial		0	0	0		Soil Loss/F	Root Ex	posure	0	0	0		Dairy	0	0	0	
Urban/Mu	ıltifamily			0	0	0		Wali/Ripra	þ		0	0	0		Orchard	0	0	0	
Landfill				0	0	0		Inlets, Out			0	0	0		Confined Animal Feeding	0	0	0	
Dumping				0	0	0		Point Sour (LEFTLUENT C	RSTORM	AWATER)	0	0	Ο		Rural Residential	0	0	0	
Trash	,			0	0	0		Impervious (SHEETFLOW	surfac	e input	0	0	0		Gravel Pit	0	0	0	
Other: _				0	0	0	L	Other:			. 0	0	0		Irrigation	0	0	0	
Other:				0	0	0		Other:	······································		. 0	0	0		Other:	0	0	0	
Indu	strial D	evelo	pme	ent S	tres	sor	s ·				1	Habit	tat/V	egetai	tion Stressors	٠			
Fill bubble	e if pres	ent - F	lot	1	2	3	Flag	Fill bubble	if pres	ent - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	7			0	0	0		Forest Clea	r Cut		0	0	0		Herbicide Use	0	0	0	
Gas Wells	- 			0	0	0		Forest Sele		ıt	0	Ō	0		Mowing/Shrub Cutting	Ō	Ŏ	o	
Mine (surf									********	**************************************			0						-,
				0	0	0		Tree Planta Tree Canop		vory	0	0		***************************************	Trails Soil Compaction	0	0	0	1
Mine (und	erground	<u>. </u>		0	0	0		(INSECT) Shrub Layer			0	0	0		(ANIMAL OR FIUMAN)	0	9	0	
Military				0	0	0		(WILD OR DON Highly Graz	ESTIC)		Ø	0	0		Offroad vehicle damage Soil crosion (FROM WIND, WATER,	0	0	0	
Other:				0	0	0		(OVERÁLL <3"	FIGH)		0	0	0		OR OVERUSE)	0	0	0	
Other:			<u> </u>	0	0	0		Recently Bu Canopy			0	0	0	Maria de la compansión de	Other:	0	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)	rned G	rassland	0	0	0		Other:	0	0	0	
• FI	lag codes	: K = N	lo me	asure	ment			uspect measi lags in comm						igned b	y each field crew. 242	8168	3304		
B	Buffer Sar	nple F	Plots	05	/27/2														

FC	RM	B-1	l: E	—-∖ BUFF	ER SAMPLE PLOTS -	TAF	RGE	TEC) ALI	EN SPECIES (Back) Reviewed by	(initia)):		
Site ID:	PC	Αī	>	RR	MD	DAT	E: <u>C</u>) (1	_ _	14/2011	-			
O Confirm	a fillo	ed da	ıta b	ubble i	ndicates presence and an unf	illed	bubbl	e inc	licates	absence by filling in this bub	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 Watermitfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	O	0	0	···	Kudzu 🦦	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	O	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	O	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	О		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	1	Other:	0	0	0	
Birdsfoot Trefoil O O O Common Reed O O O Other: O O												0		
Canada Thistle O O O O O O O O O O														
AMERICAN AND AND AND AND AND AND AND AND AND A					л ковання школомонно с солоствення полошення винелення с с почет вине.					Other:	0	0	0	
					PLOT COOR	DINA	TES				24 V. AFT TO ANY THOM		***************************************	erec various asserti
Location of coordinat	es (c 13	hop S	se c	опе): О Е3	O W3 O Nearest pra	ictica Lor	ble lo	ocatio	on (flag		. 2.		3	
Flag Comments	······		wes	·	<u> </u>						·			
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					3 buded									
					taken at P					<u> </u>				
	<i>2</i> 1/C C	<u>.Y .\L/'</u>	<u> </u>		and the second s	101								
				 										
, and a second s			1						gar vangasing par van gaste gant de	ja-Lassan 1980 (Alghaffwaannam eighpungja				
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15.5.10			••••			·								
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			Atal Laborat Lat L		HASHIDAANIA ALAHA SAANINAANINI PERIMBANIAN SAENISPI SPINASPI SAESTI SEESTI SEESTI SEESTI SEESTI SEESTI SEESTI S									MPOPE - CHIEF CO.
Buffer Sample I	oints	s - Tar	rgete	d Alier	Species 05/27/2011					790	5662	354	.8	

			•				FOI	RM B-1:	BUFF	ER	SAI	VIPL	ΕP	LOI	rs (F	ront)	Reviewed by	(initial		(
Site ID: PCAD RR 1110 DATE: 06.114.20.11																					
Location									Fill	in b	ubb	le(s)	if p	lot(sampled and t				
OAAC	Center		N	0	S	⊚ E	E 0	W	OP	lot	1	01	Plot	2	O F	Plot 3					ŀ
701 (20 10), 1.1.	4	· • · · · · · · · · · · ·	-1 0.		T	15 15			Buffer							N					
ili in bubble Strata Sectio	ns for air ii on: Fill in	approj approj	priate d	enopy cover (rype. class l	bubble	for each	s, i::= i::vergre n strata type fo 	en Feat i or each plo	ype.i 10=	s = 1sro Abser)anea d; 1 = 3	r; in = Sparse	Needi e(≤109	e Lear. <i>F</i> %); 2=Mo	Absent: No tre oderate(10-40	e canopy. %); 3 = Heavy (40-75%); 4 - \	/ery He	eavy (> 75%)
Buffer Plot 1	Canop Lea		oe: 🎉 oe: 🚱			bsen	t: O	Buffer Plot 2) AI	bsent	t: O Flag	Buffer Plot 3	Canopy Type: (\simeq		sent	E O
Big Trees (∷		T	0	0		0	9	Big Trees (:		10	\bigcirc	\bigcirc		0	l	Big Trees	(= 0 3m DBH)	ĺ		0	1 109
mall Trees (<	:0 3m DBH	Ō	Ō	Ŏ	0	Ŏ		Small Trees (<u> </u>	\tilde{a}	Ŏ	Ŏ		Ŏ		Small Trees		Ŏ	ŏ	6	
Voody Shrubs	, Saplings 5m HIGH)	0	0	Ō	Ŏ			Woody Shrub	s, Saplings	0	0	0	0	<u>~</u>			ibs, Saplings	0	Ŏ	2	
Voody Shrubs	, Saplings		$\overline{0}$	Ö	(6)	O		Woody Shrub		0	0	($\frac{\circ}{\circ}$	<u> </u>		Woody Shru	ibs, Saplings		\circ	0	
Herbs F		<u></u>		Ö	Ŏ	0		·	orbs and	0	©	0	0	$\frac{\circ}{\circ}$		The same of the sa	Forbs and	0		0	
	Grasses ground	450	0	0	0	0		Baro	Grasses ground	0	(a)	\circ	\circ	Ö		Rat	e ground		_	0	
	ter. duff	0	0	0	$\frac{\circ}{\circ}$				tter duff	-				<u> </u>			 	0	0		
·· ···		+=	+_	-		+		LI		(<u>()</u>	0	0	\bigcirc			L	itter duff	0	0	②	
	Rock	0	0	0	0	0			Rock	(3)	0	\bigcirc	0	$\frac{\odot}{\odot}$			Rock (1)	0	0	0	
	Water bmerged	®	0	0	0	0		Si	Water ubmerged		0	0	0	0		ļ	Water 🚳 🕦	0	\bigcirc	0	
V	egetation		0	0	\odot	00	visa dhad	\	egetation	(3)	O	\odot	Ω	<u>()</u>	. va Cilla al		Vegetation 💟 🖰	O	\bigcirc	0	
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																					
				7	r	T						T	ا	1 -					- 1		
ill bubble		ent -	Plot	1	2	3	Flag	Fill bubble		<u></u>	Plot	1	2	3	Flag		if present - Piot	1	2	3	Flag
Road - gra				0	0	Ö		Ditches, C Dike/Dam/				0	0	0		Pasture/Ha	ly	0	9	의	
Road - two				0	0	0		(IMPEDE PLC	W)			0	0	0		Range		0	0	0	
Road - fou				0	0	0		Water Lev			icture	_	Ó	0		Row Crops	d (RECENT-RESTING	0	0	0	
Parking Lo	·····	neni		0	0	0		Excavation		ng 		0	0	0		ROW CROP FIEL		0	0	0	
Golf Cours				0	0	0		Fill/Spoil B Freshly De		Sedin	nent	0	0	0		SHRUBS TRE		0	0	0	
Lawn/Park				0	0	0		(UNVEGETAT	ED)			0	0	0		Nursery		0	0	0	
Suburban		1020		0	0	0				Sure	:	0	0	0		Dairy		0	0	0	
Urban/Mul	titamily			0	0	0		Wall/Ripra				0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out Point Sour				0	0	0		Rural Resi	nimal Feeding	0	0	0	
Dumping	·			0	0	0		(EFFLUENT C	RSTORM/ surface	VATER Input	3	0	0	0		Gravel Pit	uential	0	0	9	
Trash		•		0	0	0	************	(SHEETFLOV	<i>/</i>)			0	0	0		Irrigation		0	0	0	
Other:				0	0	0		Other:				0	0	0				0	9	9	
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ill bubble		ent -	Plot	1	2	3		Fill bubble		nt - I	ot.	1	2	3	Flag	Fill bubb	le if present - Plot		2		Flag
Oil Drilling	***************************************			0	0	0		Forest Clea	······································			0	0	0		Hérbicide U		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				0	0	0		Trails Soil Compa		0	0	0	Ļ- <u>-</u>
Mine (unde	erground	d) 		0	0	0		Tree Canop (INSECT)	en i ser i committee an			0	0	0		(ANIMAL OR II	Chan) UMAN)	0	0	0	
Military				0	0	0		Shrub Laye (WILD OR DON	IESTIC)			0	0	0		·	icle damage	0	0	0	
Other:				0	0	0		Highly Graz (OVERALL <3"		es		0	0	0		Soil erosion OR OVERUSE	(FROM WIND, WATER	0	0	0	
Other:			-	0	0	0		Recently Bu		est		0	0	0		Other:		0	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)	irned Gra	sslar	nd	0	0	0		Other:		ō	Ō	0	
	ag codes	: K = I	No me	<u> </u>		made	. U = S:	uspect measi					c. flag	s ass	Igned by	y oach field c	rew.			1	
Bu	uffer Sar	mple	Plots	05,	/27/2		ain all fi	ags in comm	ent sectio	n on	the ba	ick of	this fo	rm			242	8168	504	•	

FO	RM	B-1	l: E	BUFF	ER SAMPLE PLOTS -	TAR	GE	TEL) ALI	EN SPECIES (Back) Reviewed by	/ (inftial):		
Site ID:	R	Δ	P	12	R 1110	DAT	E: 🖔) § 6		1,0,1,1				
O Confirm	a fille	ed da	ta bı	ıbble i	ndicates presence and an unf	illed l	ubbl	e ind	licates	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		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	О		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	erte en l'extre d'extre
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	Ö		Other:	0	0	0	
Canada Thistle	0.	0	0		Leafy Spurge	0	0	0		Other.	0	0	0	
*	L	1	.1, .,				1		dr	Other:	0	0	0	
	†				PLOT COOR	DINA	TES		ALBAN SESSALAT NAV SENTEN SES					
Location of coordinate O AA CENTER O N Latitude I	3	OS	3	⊕ E3	O W3 O Nearest pra	Lor	gitud	de V		g and comment below)	,ک,		Fla	ag
Flag Comments							:	·····					1184 1 FF2812 - 2 ARAA.	
riay Comments						* *								
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hand aggs lands to be felled up a stage to a great and					, para di dada di la companya para da manda pada pada pada pada pada pada pada								Band yan yan aan adan	mag ty capacing to you call tyling o
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Buffer Sample Points - Targeted Alien Species - 05/27/2011

•	FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): DATE: 06 14 20 11																						
Site	D: 1	>	A	\subset	R	R	2	1 (125)	NO						DATE	=: 06	<i>1</i> 4		22	١.	l, i	l	-
Locati	on:								Fill	in b	ubb	le(s)	if p	lot(s		ıld not be							T
OAA	Center	С	N	0	S	O E	6	w	OF	lot	1	01	Plot	2	O F	Plot 3							
Fill in bubble	es for all fl	nat and	nlv: C:	עמסמפ	Tyne:	D = D)eciduou	e: E = Everan	Buffer							Absent: No tre	e canony						
																oderate(10-40		ivy (40-7	'5%); 4	= Ve	ry He	avy (>	75%)
Buffer	Canop	у Тур	e: 🌘	•) A	bsen	t: O	Buffer	Canop	у Тур	oe: 🌘) At	osent	t: O	Buffer	Canopy	Type:	0	$\overline{\circ}$	Abs	sent:	O
Plot 1	Lea	f Typ	e: (Flag	Plot 2	Lea	f Typ	e: 🌘				Flag	Plot 3	Leaf	Type:	0	<u>()</u>	1		Flag
Big Trees (>	0.3m DBU)	0	0	0		0		Big Trees (>0.3m DBH)	(4)	0	0	0	①		Big Trees	(>0.3m DBH)	0			<u> </u>	<u> </u>	
mall Trees (•	:0.3m DBH	0	0	0	0	0	* \	Small Trees ((±0.3m) DBH)		0	0	0	0		Small Trees	(<0.3m DBH)	(O) (C		\odot	
Voody Shrubs (0.5m	s, Saplings 5m HIGH)	0		0	0	0		· Woody Shrut (0.5n	os, Saplings n-5m HIGH)	0	0		0	0			ubs, Saplings 5m-5m HIGH)	($\Im C$)) [C	0	
Voody Shrubs (<0	s, Saplings 5m HIGH)	0	(3)	0	(1)	0		Woody Shrut	Woody Shrubs, Saplings \((<0.5m HIGLI) \) Herbs. Forbs and				0	<u>(1)</u>		Woody Shru	ubs, Saplings <0.5m1 (IGH)	(9)	0 ()() (C	0	
Herbs F	orbs and Grasses	0	0	0	O	0		Herbs.	Forbs and Grasses		Ö	0	0	0		Herbs	Forbs and Grasses	6	0 (5 () (0	
Bare	ground	(3)	0	0	0	0		Bare	e ground	0	0	0	0	0		Bai		-) (<u> </u>	ol	
Lit	ter, duff	0	0	0	0	0		Li	tier duff	0	0	Ō	Ō	<u> </u>		ı	itter. duff			ΞΙ.	I 4-	Ŏ	
	Rock	(3)	0	Ō	0	Ō			Rock	6	Ŏ	0	Ŏ	Ŏ			Rock	+-+	$\overline{}$		<u>-</u>	<u> </u>	
	Water	0	Ö	Ö	Ö	0			Water	0	0	0	Ö	<u></u>			Water					0	
Submerged (A) (C) (C)								ubmerged	(a)	$\overline{\circ}$	$\overline{\bigcirc}$	$\overline{0}$	$\overline{\bigcirc}$:	Submerged	- L			= -			
and the second of the second of the second	egetation or Pres		1_	Sent	\sim	1	rm that	L	/egetation	1	\sim	\sim	\sim	\sim	unfilled	huthhle indi	Vegetation		\mathcal{L}	ノハ this	·J		
Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors																							
Fill bubble				1	2	3	Flag	Fill bubbl		1	2	3	Flag						- 1	3	Flag		
Road - gra		G11C 1	:	0	0	0	1109	Ditches, C			. 100	0	0	0	1149	Pasture/Ha					_	Ŏ	9
Road - tw	garante interestriction	***********		0	0	®	2	Dike/Dam	/Road/RF		ł	0	0	0		Range						0	
Road - fou			facement (get to . *)	0	0	0		(IMPEDF FLOW) Water Level Control Structure					0	0		Row Crops	 3					0	
Parking L		nent		0	0	0		Excavation				0	0	0		Fallow Fiel	ld (RECENT-	RESTING		-+	- 1	0	
Golf-Cour				O	0	0		Fill/Spoil E				0	0	0		Fallow Fiel	id (OLD - GR	ASS,				0	
Lawn/Parl				0	0	0		Freshly Do	eposited s	Sedin	nent	0	O	0	:	SHRUBS, TRI	-FS)		-+-	-		0	
Suburban		ntial		0	0	0		Soil Loss/		osurc	3	Ō	Ō	0		Dairy						o	
Urban/Mu	Itifamily	***********		O	Ō	O		Wall/Ripra	ip ·			Ō	Ō	Ō		Orchard		***************************************				ŏ	
Landfill				Q	0	0		Inlets, Out	ilets			Ō	Ō	ō	·	Confined /	Animal Fee	eding				Ō	
Dumping	** ** ** ** ** ** ** ** ** ** ** ** **	, 		O	O	O		Point Sour		A/ATTEG		0	O	O		Rural Resi	dential		~			o	
Trash				0	0	0		Imperviou	s surface	inpu		0	0	0		Gravel Pit						0	
Other:	***************************************			0	0	0		Other:			·	0	0	0		Irrigation				****		0	
Other:				O	0	0		Other:				0	0	0		Other:						\circ	
Indu	strial D	evel	opm	ent S	Stres	son	s					<u> </u>	labit	tat/V	egeta	tion Stress	sors						
fill bubble				1	2	3	Flag	Fill bubble	if prese	nt -	Plot	1	2	3	Flag	Fill bubb	ote if pres	ent - Pl	lot	1	2	3	Flag
Oil Drilling		*************************		0	0	0		Forest Clea	ar Gut			0	0	0		Herbicide (Jse		(0	
Gas Wells	<u>-</u>			0	0	0		Forest Sele		;		0	0	0		Mowing/Sh		g				0	
Mine (surf	ace)			0	0	0		Tree Planta	ation		·	0	0	0		Trails						0	
Mine (und	erground	d)		0	0	0	<u> </u>	Tree Canor	oy Herbiv	ory		0	0	0		Soil Compa			(~	0	
Military				0	0	0		Shrub Laye		:d	~		0	0		Offroad vet		ige	*****	-+		0	· // / / / / / / / / / / / / / / / / /
Other:	Marian and the Property of the			0	0	0		Highly Graz	zed Grass	ses		0	0	0		Soil erosion OR OVERUSE			up -			0	
Other:				0	0	Recently Burned Forest					0	0	0		Other:					· · - · · · · ·	0		
Other:		D		0	0	0		Canopy Recently B		assla	nd	0	0	0		Other						0	
	ad codes	. K = 1	No me				e. (I = 9	(BLACKENED)		F1 F	2. etc	J., ., ., ., ., .,	L	<u> </u>	ianed h	y cach field c	rew.				L	ر <u>ب</u> ء	
	uffer Sar				/27/	Exp		lags in comm							-	-		2	4281	.683	504		

	FO	RM	B-1	i: E	BUFFI	ER SAMPLE PLOTS -	TAF	RGE	TEE) ALI	EN SPECIES (Back) Reviewed by	r (initia	ı):		
	Site ID:	R	_AF	>	RR	1/10	DAT	E: () (_ / _1	11051				
	O Confirm	a fille	d da	ta b	ıbble ir	ndicates presence and an unf	illed t	oubbi	e ind	licates	absence by filling in this bubl	ble			
Fill bubbl	e 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	O	0		Johnson Grass	0	0	0	
Water hya	acinth 🗘	0	0	0		Knotweed	0	0	0		Kudzu	0	0	O	
Yellow Flo	pating Heart V	0	0	0		Japanese Knotweed	-0	0	0		Multiflora Rose	0	0	0	
											0				
Garlic Mustard O O O Giant Reed O O O Himalayan Blackberry										Himalayan Blackberry	0	О	0		
Poison Hemlock O O Cheátgrass O O O Tamarisk										Tamarisk	0	0	O		
Mite-A-Mi	nute Weed	0	0	0		Reed Canary Grass	0	0	0.		Other:	0	0	0	<u> </u>
Birdsfoot	Trefoil	0	0	0		Common Reed	0	0	0	1	Other:	0	0	0	
Canada Thistle O O O Leafy Spurge O O O Other:										Other:	0	0	0		
)	·					V 		L		Other:	0	0	0	
				.*.		PLOT COOR	DINA	TES		or a serial and the con-					
Locati	on of coordinate	es (c 3	hoo: OS	se o	ne): O E3	W3 Nearest pra	Lor	ble lo	ocatio	on (flag	and the second s	-1/		File	ag
Flag	Comments														
İ		San		١	N 6		.1				Rd - Valley Pa	\ .			······································
2	Plot land		C)	<u> </u>		s overhousing	3							8	
		1. (A.)	e de la companya de l	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						· ·					
		1,1		1	gillian Tu	y*					·				
	in the second se				1 1	The second secon	**************************************	.41. 51.111.114			· · · · · · · · · · · · · · · · · · ·				
		1994.55	:												
	Buffer Sample P	oints	- Tar	gete	d Alien	Species 05/27/2011						5662	:354	8 .	•

Minimum required fields in Bold and Underlined TAXONOMIC ACCURACY a Very thorough SAMPLING QUALITY* PLOT NOT SAMPLED: CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet TAXONOMIC STANDARD Hurried n Accurate Plot Name: Project Label: GENERAL INFORMATION Authority: 0.10 vascul Effort Level: ⊏ Penn, water Plot No.: Project Name: * Roles: Co-Jeeden Asst. Guide. Owner. Texonomist etc. Date (mm/dd/yyyy): nd date (if > 1 day): Level 4 (no nested corners sampled) Level 5 (nested corners sampled) _ ⊏ Paved ⊐ Slope modera may still provide good sampling. Hurried plots how much effort put into subjective evaluation of Plot leader WO ⊐ Safety □ Other not smp State Depth: (1-5) Plot size for cover data: ■ LavLong = UTM = StatePlane × || Source of coordinates I MAP If data not public why? Check one: □ Public data □ Private Data Data Confidentiality: Photo Nos.: Camera No.: Intensive modules: 2, 3, GPS File Name: Datum: ■ NAD83/WGS84 Coordinate system: GPS location in plot x=0 to 5, y=-1,0,-1): ⊂ Fuzz 100m ⊂ Fuzz 250m ⊂ Fuzz 500m LOCATION □ Stems present <u>Coord. Accuracy:</u> 其m コft Local Place Names: Quadrangie: ongitude: Stems not sampled on this plot I Stems absort atitude: .andowner: *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Other (specify: WILLIOW BEND X-axis Bearing of plot: HO) (9) Plot size stems: 1 Z v 8187176 (base of plot x=0, y=0) -- 0 2000 County: e NAD27 ■ deg ⊂ deg min ■ m = ਜੇ = Coord. Units ■ GPS (30) Cay 222 hectares) ÷. SHRUB ZONE IS SPICE BUSH. SMALL OXBOW WETCAND, 2X5 content), Rationale (why here), and Veg Characterization (description of community, E_Transect component to Systematic (grid) = Capture specific feature to Other
NOTES: Include Layout (any unusual shape details), Location (directions and landscape OXBOW !! Plot placement: = Representative **X**GRTS = Random = Stratified Random PLOT 208 TO THE SOUTH Diagram © Flot origin ominants, strata, BROWSE). Additional notes in space on back IN KARD, AST & BLACK CHERRY CANONY PLOT IS SOUTH OF THE PARKWAY Plot Setup fall 2010 11 8 GPS location 3 DEEK BROWSE 排 420 4 CAYOUT Page 1 of 2 Cheveland Makeysauks Securation posts іссицов об OVER 1 å

CLEVELAND METROPARKS Plant Community As	Assessment Progran	sessment Program - Background Data Sheet	Sheet		S Dievoland Mencharks	e street out e
Project Label:	PCAP	Project Name:		Plot No.:		Page 2 of 2
CLASSIFICATION		STAND SIZE	DISTURBANCES	76		
(FIT = excellent, good, fair, poort CONF = high, med, low)	Fit and Confidence	c > i,000 x plot size	type* severity**	yrs ago % of plot	t description	
Hydrogeomorphic class (WETLANDS ONLY):			Human	ACTION AND AS AS AS		
DEPRESSION	FireConf=	⊏ 10-100 x plot size	Natural			
□ INPOUNDMENT = Beaver □ Human	Fire Confe	= 3-10 x piot size	Fire			
c RIVERINE c Headwater c Mainstem c Channel	Fir- Conf-	= 1-3 x plot size	Cut			
E SLOPE (ground water hydrology of on a physical slope)	Fit=Conf=	⊐ < plot size	Anımal			
	FiteConf=	DRAINAGE*	Other			
□ COASTAL (specify subclass)	Fit=Conf=	c Excessively dramed	**L=low: ML=med lov	v, M=med, MH=med	**L=low, ML=med low, M=ned, ME=med high, H=high, VH=very high	
BOG (strongly, moderately, weekly ombrotrophic)	Fir Conf	C Somewhat excessively	Current Land Use:			
Obio EPA VIBI Plant Community Class (WETLANDS ONLY):	<u>NLY);</u>	⊏ Well drained	Former Land Use:	:		
⇒ FOREST = swamp forest ⊃ bog forest ⊐ forest seep	Fir Conf	□ Moderately well dr.	HYDROLOGIC REGIME	REGIME*		
\square EMERGENT \square marsh \square wet meadow \square open bog	FireConf=	🗆 Somewhat poorly dr.	⊏ Upland (seldom flooded)	(þaf	□ Intermittently flooded	
⊑ SHRUB ⊐ shrub swamp ⊏ tall sh. bog ⊡ tall sh. fen	Fit=Conf=	□ Very poorly dr.	□ Intermiţently/seasonally sanirated	ally saturated	೨ Semipermanently ilooded	
MODIFIED NATURESERVE CLASS*		⊐ Impenneable surface	(seldom flooded)		⊒ Permanently flooded	
CODE (on separate form):	Fit=Conf=	SALINITY*	☐ Permanently/Semipermanent, saturated	manent. saturated	= Tidal/Serche flooded daily	
COMMUNITY NAME.		□ Saltwater	(dry <1/vr, seldom fleoded)	coded)	⊏ Tidal/Setche flooded monthly	į.
		C Brackish	□ Occasionally flooded (<1/yr)	(<1/yr)	ा Tidal/Seiche flooded irregular	ar
LANDFORM TYPE*;		⊑ Fresh	⊐ Temporarily flooded		(e.g. wind, storms)	
		⊏ Upiand (n/a)			c Unknown	``
HOMOGENEITY	Additional notes & diagr	Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	if piot to the stand, succ	essional status, matu	ırıry, etc.)	
Homogeneous			,			
ב Compositional trend across the plot						
Conspicuous inclusions						
⊐ Irregular/pattern mosaic						

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	*				
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ė.					