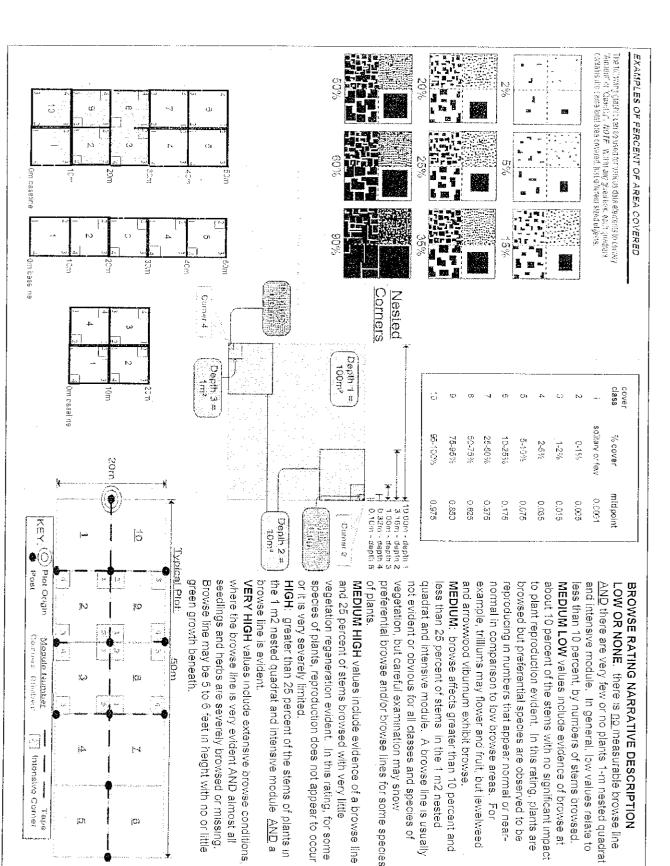
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GENERAL INFORMATION	LOCATION	
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Project Name: Of MC2011	Quadrangle: May5, (d Helants	(
PlotName: What 10 the	nes: MC Roman	
Plot No.: 1/84		71: -50
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Level 5 (nested corners sampled)	Data Confidentiality:	
Date (mm/dd/yyyy): 8 //D/ 20]	Check one: Public data 🗉 Private Data	#2 #3
End date (if > 1 day):	⇔ Fuzz 100m ⊕ Fuzz 250m ⊕ Fuzz 500m	3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4
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1	S location in plot $x=0$ to $5, y=-1,0,+1$.	content), Rationale (why here), and Veg Characterization (description of community,
	Coordinate system:	dominants, strata, bxOwSE). Additional notes in space on pacs.
* Coles: Collegier, Asst., Guide, Owner, Texonomist, etc.	StatePlane 🖪 deg 🖃 deg mi	Layout: QXU
PLOT NOT SAMPLED: = Other	គ លេច (Location: Park at the Ranger Station.
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SAMPLING QUALITY*		and me to plat
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Every thorough how much effort put into sampling. Hurried plots	h +-	
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TAXONOMIC STANDARD	Photo Nos.: C2-115	
Authority: G&C Pub Date: 1998	*7.**	
Winumum required fields in Bold and Underlined	*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	od CVS Field Guide OVER

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet Project Label: PCAP Project Name: カハ	essment Program	- Background Data Sheet Project Name: カハ Cのリー	Sheet SINCQI		P10	Plot No.: 1) 8	1) 8 7 Pülsevlondliksiropala	f 2
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nd DEPRESSION Fit=	Conf=	□ > 100 x plot size	Natural			ļ		
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id RIVERINE in Headwater in Mainstem in Channel Fit=	Conf=	□ 3-10 x plot size	Cut					1
□ SLOPE (ground water hydrology or on a physical slope) Fit=	Conf=	□ 3-3 x plot size	Anumal	2	7/	100/	DOIN BRUNGS	<u>L</u>
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□ FOREST □ swamp forest □ bog forest □ forest seep Fit=	Cónf=		HYDROL	OGIC RE	GIME*C			
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⊡ tall sh. fen			□ Intermittently/seasonally saturated	ily/seasonally	saturated		Sempermanently flooded	
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* Bring Books in met years!	t years							

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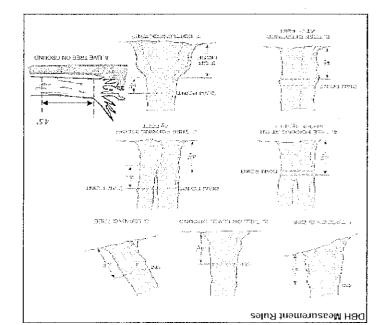


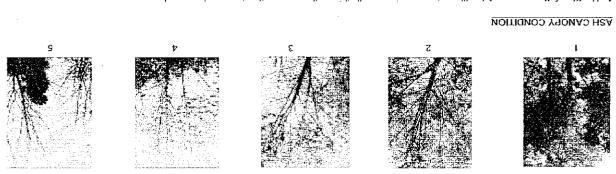
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Woody Stem Deer Browse

Rall that exhibit evidence of this years deer browse

Record using the tally system from 1 to 10





- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 2. **Thinning canopy:** There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.

 3. **Dieback:** Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to
- snujidyť, die naturally and are not considered.
- (lowest presuch) on the trunk.

 4. >50% Dieback: The canopy has less than high of the beaves that should be there and on the representation of the tree. It still counts as a 5 even if there are epicomic should below the canopy the canopy has less than high or the beautiful of the branches are dead.

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ASH CANOPY BREAKUP CONDITION (for dead trees):

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(it su set receives a score of 5 (dead) under canopy condition it must also receive a breakup condition

- 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 (wigs
- D: Stem still standing and tertiary main branches present
- E: Central stem still standing.

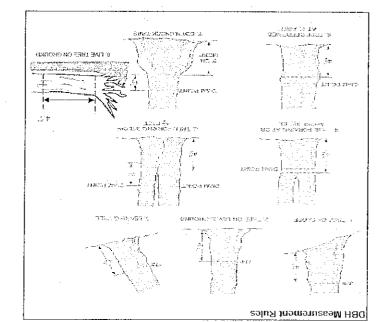
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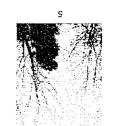
Woody Stem Deer Browse

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

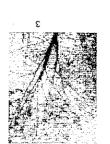
Record using the fally system from 1 to 10

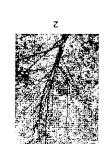














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- 1 Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches not exposed to
- 2° 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 has less than help of the free and/or half of the top branches are dead.
- (lowest branch) on the trunk.



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(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition (if an ash CANOPY BREAKUP CONDITION (for dead trees):

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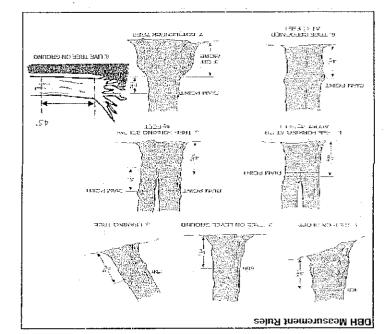
- A: All main branches contain fine twigs (newly dead)
- B: Over 50% of main branches have tine twigs
- C: Less than 50% of main branches have find twigs.
- D: Stem still standing and tertiary main branches present
- E: Contral stem still standing.

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Woody Stem Deer Browse

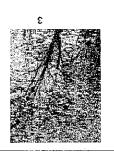
tall that exhibit evidence of this years deer browse. Record the number of stems/plants between 0.5-1.0 meters

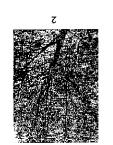
Record using the tally system from 1 to













ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple
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- sunlight, die naturally and are not considered.
- 2" Desg canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy 4. >50% Dieback: The canopy has less than half of the leaves that should be frere and/or half of the top branches are dead

(lowest branch) on the trunk:



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rank as described below) (if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition ASH CANOPY BREAKUP CONDITION (for dead trees):

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- D: Stem still standing and tertiary main branches prosent
- E: Central stem still standing.

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

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' If Ash Condition scores 5 (dead) provide breakup score (A-E) Count EAB exit holes 1.25m2 x ≥1.5m Woodpecker and epicormic marked present (1) or absent (0)

consupulata besisusula (\$\frac{1}{2})

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey

f	(J ,M,2) esiz dəteq br	le soin	-144 3						Vinca minor
		ļ					Periwinkle	(30,03-5)	
		 -					Dame's Rocket	1	Hesperis matronalis
		ļ					Common Teasel		Dipsacus fullonum
1							Cattails (wetland) Canada thistle	Pani	Typha angustifolia, T. x.gla Cirsium arvense
			Х	X	$\overline{}$	(qnuqs)	Multiflora Rose Cattails (wetland)	63111	Rosa multiflora Erolitilum czoR
}		× ×	X	/\ X		(qnuqs)	Glossy Buckthorn		Frangula alnus
		~	_^	X	-,К	(411343)	Slossy Buckthorn		
		ļ						1	Polygonum cuspidatum
							Reed Canarygrass Phragmites	(wettand)	Phalaris arundinacea Phragmites australis
						(spunp)	Bush Honeysuckles		L. morrowii, L. tatarica
						(qnuqs)	Common Privet		Ligustrum vulgare
			Х			(411242)			
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						(qruqs)	Doublefile Viburnum		Viburnum plicatum
						(dunda)	European Cranberry	1	Viburnum opulus var. opu
							Star of Bethlehem	·	mutelledmu mulegoritimO
		ļ				·	Yellow Flag Iris	1	ins pseudacorus
							Wineberry		Rubus phoenicolasius
							Lungwort	(G-cover)	eilenioiTto einenomlu9
000'T< :S						(qnuqs)	Mock Orange		Philadelphus coronarius
1 000/4 707 111							Japanese Pachysandra	1	Pachysandra terminalis
4: 101-1,000		1			i	(spunb)	Five-leaf Aralia	snjj/	Eleutherococcus pentaphy
3: 21-100		1							
L							Crown Vetch		Sinev silinonoD
3: 27-700 7: 17-20 7: 17-10							Lily of the Valley Crown Vetch		silajam ainallavnoD Coronilla varia
2: 11-50.		M/N]	MS		ЭN		Lily of the Valley	(G-cover)	silajam anallavnoD
3: 27-700 7: 11-20° 1: 1-10	comments	ΛŅN	M/S squej		ЭN		Lily of the Valley		Tier 3. Convallaria majalis
3: 27-700 7: 17-20 7: 17-10	striemmoo	MN	I reason with the second				Lily of the Valley	(G-cover)	E Tier Tier 3. Tier 3. Convallaria majalis
3: 27-700 7: 11-20° 1: 1-10	comments	. M/N	I reason with the second		ЭN	(dunda)	of Interest Lily of the Valley	(G-cover)	Tier 3. Convallaria majalis
3: 27-700 7: 11-20° 1: 1-10	comments	MM	I reason with the second		i an	miam viami gania	Wintercreeper of Interest Lily of the Valley	(G-cover)	E Tier Tier 3. Tier 3. Convallaria majalis
3: 27-700 7: 11-20° 1: 1-10	comments	MN	I reason with the second		ИE	(dundz)	Amur Honeysuckle Wintercreeper of Interest Lily of the Valley	(G-cover)	Pipsacus laciniatus Elâcagnus umbellata Lonicera maackii Euonymus fortunci Tier 3- Tier 3-
3: 27-700 7: 11-20° 1: 1-10	comments	AMM	I reason with the second	1 10 #	МE	(dundz)	Autumn Olive Amur Honeysuckle Wintercreeper of Interest Lily of the Valley	(G-cover)	Elâcagnus umbellata Lonicera maackii Euonymus fortunci Tiet 3: Tiet 3:
3: 27-700 7: 11-20° 1: 1-10	STREMINOS	MN	I reason with the second		NE .	(dundz)	Cut-leaf Teasel Autumn Olive Wintercreeper of Interest	: Presence is	Pipsacus laciniatus Elâcagnus umbellata Lonicera maackii Euonymus fortunci Tier 3- Tier 3-
# of Plants 1: 1-10 2: 11-50 3: 51-100	SHƏMMOƏ	A) N)	I reason with the second	1 10 #	ME.	(dunds)	European Alder Cut-leaf Teasel Amur Honeysuckle Wintercreeper of Interest	: Presence is	Alnus glutinosa Elâcacus laciniatus Lonicem maackii Euonymus fortunci Tier 3: Tier 3:
# of Plants 1: 1-10 2: 11-50 3: 51-100	comments	MN	I reason with the second	1 10 #	ИE	(dunda) (dunda) (dunda)	Japanese Barberry European Alder Cut-leaf Teasel Autumn Olive Wintercreeper of Interest	: Presence is	Berberis thunbergii Alnus glutinosa Bipsacus laciniatus Llâcagnus umbellata Lonicera maackii Euonymus fortunci Tiet 3:
# of Plants 1: 1-10 2: 11-50 3: 51-100	comments	AMIN	I reason with the second	1 10 #	NE	(dunda) (dunda) (dunda)	Common Buckthorn Japanese Barberry Cut-leaf Teasel Amur Honeysuckle Mintercreeper of Interest	: Presence is	Rhamnus cathartica Berberis thunbergii Alnus glutinosa Elâcagnus umbellata Lonicera maackii Euonymus fortunci Tiet 3:
# of Plants 1: 1-10 2: 11-50 3: 51-100	comments	AON	I reason with the second	1 10 #	МЕ	(dunda) (dunda) (dunda)	Poison Hemiock Common Buckthorn Japanese Barberry Cut-leaf Teasel Autumn Olive Amur Honeysuckle Amur Honeysuckle of Interest	: Presence is	Conium maculatum Rhamnus cathartica Berberis thunbergii Alnus glutinosa Bipeacus laciniatus Elâcagnus umbellata Lonicera maackii Euonymus fortunci
# of Plants 1: 1-10 2: 11-50 3: 51-100	STREMINOS	ANN Y	I reason with the second	1 10 #	JN.	(dunda) (dunda) (dunda)	Hedgeparsley Poison Hemlock Common Buckthorn Japanese Barberry Cut-leaf Teasel Autumn Olive Amur Honeysuckle Amur Honeysuckle Of Interest	: Presence is	Torilis sp. Conium maculatum Rhamnus cathartica Berberis thunbergii Alnus glutinosa Elâcagnus umbellata Lonicera maackii Euonymus fortunci
# of Plants 1: 1-10 2: 11-50	Sueumo	AMN S	I reason with the second	1 10 #	3NE	(dunda) (dunda) (dunda)	Asian Bittersweet Hedgeparsley Poison Hemiock Common Buckthorn European Alder Cut-leaf Teasel Amur Honeysuckle Mintercreeper of Interest	(vinc) (vinc) (vinc) (vinc)	Celastrus orbiculatus Torilis sp. Conium maculatum Rhamnus cathartica Berberis thunbergii Alnus glutinosa Eläcagnus umbellata Lonicera maackii Euonymus fortunci
2: >1,000 # of Plants 2: 11-50 0-11 : 1 0-11 : 2	SHƏMMOƏ	AAN S	I reason with the second	1 10 #	. AE	(dunds) (dunds) (dunds) (dunds)	Bishop's Goutweed Asian Bitlersweet Hedgeparsley Common Buckthorn Luropean Alder Cut-leaf Teasel Amur Honeysuckle Mintercreeper of Interest	(vectland) (vaino) (va	Aegopodium podagraria Celastrus orbiculatus Torilis sp. Conium maculatum Rhamnus cathartica Berberis thunbergii Alnus glutinosa Pipsacus laciniatus Pipsacus laciniatus Lonicera maackii Lonicera maackii
000,1<01: \(\)	comments	AMIN	I reason with the second	1 10 #	ME	(dunds) (dunds) (dunds) (dunds)	Purple Loosestrife Bishop's Goutweed Asian Bittersweet Common Buckthorn Leppanese Barberry European Alder Cut-leaf Teasel Wintercreeper Wintercreeper	(vectland) (vaino) (va	Aythrum səlicəriə Aegopodium podəgrəriə Celəstrus orbiculətus Torilis sp. Gonium məculətum Rhəmnus cəthərtica Berberis thunbergii Alnus glutinosə Bipsəcus ləciniətus Bipsəcus ləciniətus Conicerə məəckii Eləcəgnus umbellətə Lonicerə məəckii
3: 51-100 4: 101-1,000 5: 2,000 # of Plants 1: 1-10 0-1: 1: 0-1: 3: 51-50	COMMENTS	ANN	I reason with the second	1 10 #	ME	(dunds) (dunds) (dunds) (dunds)	Japanese Honeysuckle Purple Loosestrife Bishop's Goutweet Hedgeparsley Cut-leaf Teasel Cut-leaf Teasel Amur Honeysuckle Amur Honeysuckle Amur Honeysuckle	(vectland) (vaino) (va	Lonicera Japonica Lythrum salicaria Aegopodium podagratia Celastrus orbiculatus Conium maculatum Rhamnus cathartica Berberis thunbergii Alnus glutinosa Alnus glutinosa Elâcagnus umbellata Lonicera maackii
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2: 11-50. 4: 101-1,000 5: >1,000 # of Plants 1: 1-10 2: 11-50.		MN	stuel	(to #	Z.E.	(dunds) (dunds) (dunds) (dunds)	Morway Maple Tree of Heaven Japanese Honeysuckle Purple Loosestrife Asian Bittersweet Acian Bittersweet Poison Hemiock Common Buckthorn Japanese Barberry Cut-leaf Teasel Amur Honeysuckle Cut-leaf Teasel Ag Intercreeper	(vectland) (vaino) (va	Acer platanoides Ailanthus altissima Lythrum salicaria Aegopodium podagnaria Celastrus orbiculatus Torilis sp. Rhamnus cathartica Berberis thunbergii Bipsacus laciniatus Liãoagnus umbellata Lonicera maackii Lonicera maackii
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1: 1-10 3: 51-100 4: 101-1,000 5: >1,000 4: 01 Plants 7: 11-50 8: 51-100		MN	stuel	(to #		(dunds) (dunds) (dunds) (dunds)	Giant Hogweed Meeded Morway Maple Tree of Heaven Japanese Honeysuckle Poison Hemlock Poison Hemlock Common Buckthorn Poison Hemlock Cut-leaf Teasel Cut-leaf Teasel Wintercreeper Wintercreeper	m. (Vine) (Vine) (Wetland) (G-cover) (vine) (vine)	Heracleum mantegazzian. Tier Acer platanoides Allanthus altiszima Lonicera japonica Lythrum salicaria Aegopodium podagraria Colastrus orbiculatus Gelastrus orbiculatus Anus glutinosa Berberts thunbergii Berberts thunbergii Alnus glutinosa Lipsacus laciniatus Lipsacus laciniatus Berberts thunbergii Alnus glutinosa Lipsacus laciniatus Elacagnus umbellata Lonicera maackii Euonymus fortunci
1: 1-10 3: 51-100 4: 101-1,000 5: >1,000 4: 01 Plants 7: 11-50 8: 51-100		MN	stuel	(to #		(dunds) (dunds) (dunds) (dunds)	Flowering Rush Giant Hogweed Morway Maple Tree of Heaven Japanese Honeysuckle Purple Loosestrife Bishop's Goutweed Asian Bittersweet Poison Hemiock Cut-leaf Teasel Amur Honeysuckle Cut-leaf Teasel Amur Honeysuckle Cut-leaf Teasel Amur Honeysuckle Selpanese Barberry Japanese Barberry Autumn Olive Ommon Buckthorn Japanese Barberry Autumn Olive Ommon Buckthorn Japanese Barberry	(wetland) (Y: Assess as (winc) (wetland) (G-cover) (vinc) (vinc)	Butomus umbellatus Heracleum mantegazzianı Acer platanoides Allanthus altissima Lythrum salicaria Celastrus orbiculatus Conium maculatus Rhamnus cathartica Berberis thunbergii Berberis thunbergii Berberis thunbergii Berberis thunbergii Conium maculatum Berberis thunbergii Berberis thunbergii Berberis sp.
1: 1-10 3: 51-100 4: 101-1,000 5: >1,000 4: 01 Plants 7: 11-50 8: 51-100		MN	stuel	(to #		(dunds) (dunds) (dunds) (dunds)	Black Swallow-wort Flowering Rush Giant Hogweed Morway Maple Jree of Heaven Bishop's Goutweed Purple Loosestrife Purple Loosestrife Purple Loosestrife Purple Loosestrife Purple Loosestrife Poison Hemlock Poison Hemlock Cut-leaf Teasel Cut-leaf Teasel Amur Honeysuckle Cut-leaf Teasel Autumn Olive Outumn Olive Autumn Olive Litherest	(wetland) (Y: Assess as (winc) (wetland) (G-cover) (vinc) (vinc)	Convallaria majalist Eutomus umbellatus Heracleum mantegazzianu Tier Acer platanoides Acer platanoides Lythrum salicaria Celastrus orbiculatus Conium maculatura Rhamnus cathartica Conium maculatura Berberis thunbergii Berberis thunbergii Berberis thunbergii Conium maculatura Rhamnus cathartica Berberis thunbergii Berberis thunbergii Tiers Ingraecus laciniatus Placagnus umbellata Ingraecus laciniatus Ing
# of Plants 1: 1-10 2: 11-50 3: 51-100 4: 101-1,000 5: >1,000 4: 01 Plants 1: 1-10 2: 11-50		MN	stuel	(to #		(dunds) (dunds) (dunds) (dunds)	Lesser Celandine Black Swallow-wort Flowering Rush Giant Hogweed Morway Maple Tree of Heaven Bishop's Goutweed Purple Loosestrife Purple Loosestrife Poison Hemiock Poison Hemiock Cut-leaf Teasel Cut-leaf Teasel Amur Honeysuckle Cut-leaf Teasel Autumn Olive Outlong John	(vine) (wetland) (wetland) (vine) (vinc) (vinc) (vinc) (vinc) (vinc)	Ranunculus ficaria Butomus umbellatus Butomus umbellatus Heracleum mantegazzianu Acer platanoides Lythrum saltissima Lythrum saltissima Celastrus orbiculatus Torilis sp. Torilis sp. Conium maculatum Berberis thunbergii Berberis thunbergii Berberis thunbergii Lythrum salicaria
# of Plants # of Plants		MN	W2	# 01 l	ξN	(dunds) (dunds) (dunds) (dunds)	Black Swallow-wort Flowering Rush Giant Hogweed Morway Maple Jree of Heaven Bishop's Goutweed Purple Loosestrife Purple Loosestrife Purple Loosestrife Purple Loosestrife Purple Loosestrife Poison Hemlock Poison Hemlock Cut-leaf Teasel Cut-leaf Teasel Amur Honeysuckle Cut-leaf Teasel Autumn Olive Outumn Olive Autumn Olive Litherest	(vine) (wetland) (wetland) (vine) (vinc) (vinc) (vinc) (vinc) (vinc)	Cynanchum louiseae Butomus umbellatus Butomus umbellatus Acer platanoides Allanthus altissima Lythrum salicaria Celastrus orbiculatus Torills sp. Torills sp. Berberis thunbergii Berberis thunbergii Berberis umaculatum Berberis thunbergii Conium maculatum Berberis thunbergii Berberis thunbergii Conium maculatum Berberis sp. Torills sp. Berberis thunbergii
# of Plants 1: 1-10 2: 11-50 3: 51-100 4: 101-1,000 5: >1,000 4: 01 Plants 1: 1-10 2: 11-50		MN	stuel	# of b		(dunds) (dunds) (dunds) (dunds)	Lesser Celandine Black Swallow-wort Flowering Rush Giant Hogweed Morway Maple Tree of Heaven Bishop's Goutweed Purple Loosestrife Purple Loosestrife Poison Hemiock Poison Hemiock Cut-leaf Teasel Cut-leaf Teasel Amur Honeysuckle Cut-leaf Teasel Autumn Olive Outlon Olive Aintercreeper	(vine) (wetland) (wetland) (wetland) (wetland) (of-cover) (vinc)	Microstegium vimineum Ranunculus ficaria Eutomus umbellatus Butomus umbellatus Heracleum mantegazzianu Acer platanoides Lythrum saltissima Lonicera japonica Celastrus orbiculatus Gelastrus orbiculatus Mamuus eathartica Celastrus orbiculatus Celastrus orbiculatus Berberis thunbergii Mamuus glutinosa Elâcagnus umbellata Lonicera maaculatus Elücagnus umbellata Itiera

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

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かいくしゅう こうごうしょうしゅつ	STRATA DESCRIPTIONS, STRATA	SEE BACK OF PAGE FOR "TYPICAL"	most plant mass below surface	nooted and floating or slightly emersed	\	\	Λ. © ω\	7	7 5	Hoight Renge	COVER BY STRATA (% antimate using midpolins, of £ ext. 3, 8, 13, 183)
תו חו	STRATE	"TYPICAL"	Below surface	emersed	`	\.	3	$\widetilde{\mathscr{E}}$	Q's	Total Cover (%)	etimerersing
				_,	L	i	<u> </u>	<u></u>	j	<u> </u>	l

EARTH SURFACE & GROUND COVER	ACE & GRO	UND COVER	
Underlying Earth Surface	th Surface*	Ground Cover	
(2mm = 160%)	percent	(Each ≤ 100%)	percent
Histoso.	B	Coase Woody Debas**	æ
Mineral Soil	160	Fine Woody Debris****	· %
Gravel-Cabble*	Ø	Liter	35
∃culder**	Ø	Duff (Fern. + Eunius)	Q
Bedrock :	Ø.	Brvcplyte-Liche:	(Ve
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ii 01 <= > 10 in		Bare Soul	N
esterna o mo exmeter	ler	Read/Trail	Q
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Remember: in a standard 2x5 plot each module = 10% cover

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Slope 1 = cligh	t d'evational grad	Slepa 1 = clight elevational grade across module (rii)		Slope 2 m (slis on slope ~20)		Slope 3 = may	Slope 3 = maximum steadness that can be safely sampled ~45 °	po safoly sample	in in in
9 feature is at	sent or functions esent in very sind	feature is absent or functionally educant (Golf Course Fig.) resture is present invery small amounts or filtrodie commi	feature is afteent or Amotions ly episod (God Coursa Fig.). Teature is present in very small amounts or filtrone common loft aw quality.	<i>অ</i>					
7 I foature lis pre	escritin moderal	e amounts, but no	feature is present in moderate amounts, burnet of tighest quality, or in small amounts of highest quality	small amounts of	highest quality				
to feature is on	esection modera	te or greaier emo:	 facture is present in moderate or greater amounts and of highest quality 	*	a.w.d cauni id	Alle Sabare L	a.w.d count for preces with minimum itm length		
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		therooks	homeaks	depressions	(2-12 cm)	(12-47em)	×4.0 CT	naterspers.	
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] De⊄r	5 Gravel	a Bootieg unswictioned	a Biking schenored	o Bridle	n All Parpose	Туре	in plot record type and cover for each	TRAIL INFORMATION: If trail falls
						%Cover	cover for	If trail falls

CROWN COVER (DENSIONETER) Make a reedings per methet pang N. S. E. W. Pang det eaut it: corresonding space.
(4 dats per ged squae)

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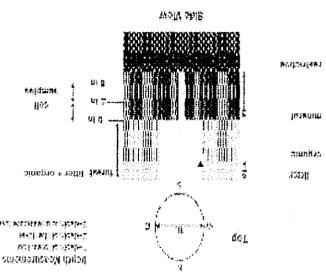
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	Submerged	Aquatic (submerged)
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(***gailboos) oost (**dund	Herb, dwarf-s	Herb (Field)
), shrub, fiana, cpiphyte)	gailges) aarT	гунтр (депегаlly 0 5 to 5 m)
	ерірһууе)	
ity) very tall shrubs* fiana	Tree (oversto	Tree (generally ≥5 m)
SENERAL FORM	9	MUTAATS
		COVER BY STRATA



CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet Project label: PCAP Project Name: <u>のいんつう</u>儿 Plot No.: 184

- C

in diangland Massagaria

Page: 1 of 1

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

Soil pit module # 🖒 (one per entire plot)

(worms, castings, middens) Notes: include evicence of earthworms *** Çirele one 20 cm 5 cm and middens =:ndundated S=saturated M=moist D=dry ~ e.g. Sydrogen sulfide odor, gleying, etc 5 plot or sail pit なくないいのくから refer to texture classes on reverse side matrix color (CYN matrix color 10 Y hydro cond *** hydr, cond.*** exture* oxid roots edox features** exture* edox features** notile color Poone omottle ıgttle-color anottle 0 1821AS not abswed 5/3 S 72 S (a) D 0 (J' **(7)**

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

											Y		
n Well dramed	Somewhat excessively	n Expessively dramed	DRAINAGE	Landform type: Alain Parent Material: Till	Soil Series Source: Ohio Soil Survey	Soil Series/Type: M. + Lange	Web Soft Survey Intormation:		Soil Description/notes:		And the second s	2,3,8,9 composited	Soil Collection Module
•		20-40in	Dapth to Cesta		vey	5,1+ lown				,		*	Horizon (A, B, C)
		÷ 	To Peat		•	3 + A				j			

a soil

STANDING BIOMASS (required for emergent wetlands)

collected in 0 im clip plots (32x32 cm) from corners 1 and 3 in
each intensive module. Required for VIBI-E score calculation.

⊇?=check when collected

		Module #
		C?
		Corner
		Corner

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

	9	ಯ	\.	7	mod#			
,	4 .6	% %	43	χ» ΣΘ	(cin)	organic depth	i litter +	•
	40	2,2	1.1	1.8	(cm)	depth	2 litter	
	44	HH	8/2	52	* W SS	depth(cm)	3 restrict.	
	Ø	4,3	3.7	0	(cm)	depih	water	. (
	4.5	Ò	Ø	20 C	(on)	sat soil	đepth	

Length of soil probe = 125 cm

Use Web Soil Survey for #3 Restrictive layer dept.

|ロ Moderately well 述

XSomewhat poorly dr.

🗀 Very poorly dr.

Impermeable surface

□ Poorly dr

SING MOW

UNKNOWM: The hydrologic regime cannot be determined from the available information

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 SEMIPERMANENTLY FLOODED (exposed <1/4) year); Surface water persists throughout the growing season in most years. Land surface

Internitently 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 arid West for water regimes of Playa takes, infermittent 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: Substrate 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

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

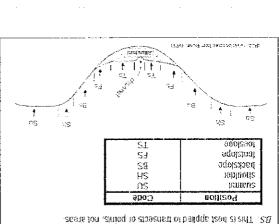
OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often

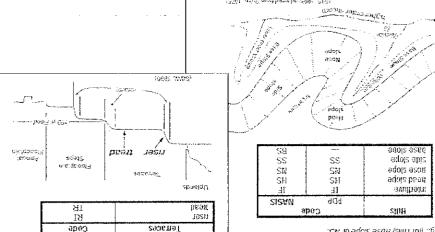
saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated modifier PERMANENTLY/SEMIPERMANENTLY SATURATED: Dry less than once per year Sutace water is seldom present; but substrate is

to 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 wetland. Very rarely flooded.

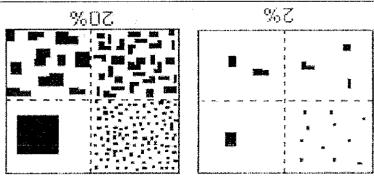
HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)





definition are available for Hills. Tenson Manuscriptors are another about 200 (1011 for 1011 c.g.) bandiornes or microteatures finat are best applied to areas. Unique Geomorphic Component - Three-dimensional descriptors of parts of

slong a vanceat that runs up and down the slope; e.g., backstope or quantizational descriptions of parts of line segments (i.e., slope position) -627 - (909 rt notiteo9 equallity) notiteo9 effor9 - equallit



- wake plot note	measured	jοΝ	=6
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4= Coarse Sand

3= Sandy

S = Clayey

1= Loamy

0 = Organic

which form a ball but not a ribbon should be coded as loamy poth a ball 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 sed bas lisd s ni ysts fon liw fios off. 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

				F(J	RM B-1: BUFFER SA	MPL	EP	LOT	S (F	ront)	Reviewed b	y (imitia	i):		(2)
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		·		Y	Buffer Natura									.:L	
					is, E. – Evergreen, Leaf Type; B I histrata type for each plot, 0 - Abs							6); 4 = 1	Very H	łeavy (: 75%
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Plot 1 Leaf Type: (Flag	Plot 2 Leaf Type:	0 (Flag	Plot 3	Leaf Type:) ()		Flag
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nall Trees (<0.3m DBH)					Sinall Trees (<0.3m DBH)		0	<u> </u>		Small Trees (0		0	
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oody Shrubs, Saplings (<0.5m HIGH)		0	0		Woody Shrubs, Sapfings (<0.5m (HGH)			0			0.5m HIGH)	0	0	0	
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Rock 🕜 🛈	0	0	0		Rock 🔾		<u> </u>	<u> </u>			Rock 🐠 🕦	0	(3)	0	
Water 🕞 🙋	0	0	0		Water 💿 🥊) ①	<u> </u>	0			Water 💿 🌘	0	(3)	\odot	
Submerged Vegetation (1)	0	(3)	0		Submerged Vegetation		0	0			Submerged Vegetation	0	(3)	0	
Stressor Presence/At	seno	:e -	Confi	irm that	a filled data bubble indicates	bresen	cc.an	d an u	willed	bubble indic	ates absence by fil	ling th	is bul	bble.	
Residential and Urb	an S	tres	sors		Hydrology Stre	ssors					Agricultural & R	ural S	stres	sors	
l bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plo	1	2	.3	Flag	Fill bubble	if present - Plot	1	2	3	Fla
oad - gravel	0	0	0		Ditches, Channelization	0	0	0		Pasture/Ha	y	0	0	0	/ /
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arking Lot/Pavement	0	0	0		Excavation, Dredging		O	0		HOW CROP FIELD		0	0	0	
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Eurasian Watermilloil	0	0	O		Purple Loosestrife	О	0	0		Johnson Grass	0	0	0	10.000.00
Water hyacinth	О	0	O		Knolweed	0	0	0		Kudzu	0	0	0	:
Yellow Floating Heart	О	О	0		Japanese Knolweed	0	0	0		Multiflora Rose	0	0	0	r
Giant Salvinia	0	Ο	0		Perennial Pepperweed	0	0	0		Common Suckthorn	О	0	0	
Gariic Mustard	О	O	0		Giant Reed	0	0	0		1 limatayan Blackberry	0	0	0	
Polson Hemlock	О	О	0		Chealgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weet	О	О	0		Reed Canary Grass	0	O	0		Other:	0	0	0	
Birdsfoot Tretoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
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Litter, duff	··  ·_ ·	(3)	Ō	f	Li	tter. duft	(a)	-	<u>.</u>	Ŏ	$\overline{\odot}$		L	itter, duff	00	0	(3)	Ŏ	
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Residential and Uri	3477			<del>`</del> +77'	î de la ce	Hydrolo								Agriculti	<del>da</del> da		7 7 7	11.	
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble	if prese	nt P	iot	1	2	3	Flag	Fill bubble	if presei	it - Plot	1	2	3	Flag
Road - gravel	O	0	О		Dirches, C	hanneliza	ation		0	0	0		Pasture/Fla	Эy		0	0	0	
Road two lane	0	0	О		Dike/Dam/		₹ Bed		0	0	0		Range			0	0	O	
Road four lane	0	0	О		Water Lev		l Struc	sture	0	0	0		Row Crops			0	О	0	
Parking Lot/Pavement	0	О	0		Excavation	ı, Dredgir	ıg		0	0	0		Tallow Fiel	d (RECENT)	RUSTING	0	О	0	
Solf Course	0	О	0		Fill/Spoil B	er in Self a retili			0	0	0		Fallow Fiel SHRUBS TRE		ASS.	0	Ο	0	
Lawn/Park	0	0	0		Freshly De		seam	ent	0	0	0	<u> </u>	Nursery			0	0	0	
Suburban Residential	О	0	О		Soil Loss/f	Root Expo	osure		О	Ο	0		Dairy			0	О	Ο	
Urban/Multifamily	Ю	0	О		Wall/Ripra		<u> </u>		О	0	0		Orchard			О	0	0	
Landfill	10	0	О		Inlets, Out				О	0	0		Conlined A		gaib	0	0	0	
Dumping	0	0	О		(EFFLUENT C	RISTORMA	VATER)		0	0	0		Rural Resid			0	0	О	
Trash	0	0			(SHEETFLOV	0	nipor		0	0	0		Gravel Pit.			О	0	O	
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Industrial Developn	ent S	Stres	sor	Si kaliba Manakana				No.	F	labit	at/V	egeta	tion Stress	sors					
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Oil Drilling	0	0	0	: ليماد مادوسور	Forest Clea	r Cut			0	О	0		Herbicide U	lse		0	О	0	
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Mine (surface)	0	О	Ο		Tree Planta	second to the			0	0	0		Trails			0	0	0	. ,
Mine (underground)	О	О	0		Tree Canop (NSI-CI)	2012	Tarrent Control		0	0	О		Soil Compa (ANIMAL OR H	oction (UMAN)			0	O	
Military	0	O	0		Shrub Laye	Browser	d		<b>a</b>	0	0	April 19 c	Offroad vel	iide dama		О	0	О	
Other,	О	O	O		Highly Graz (OVERALL <3"	ed Grass	cs.		0	0	0	2. 2. *** ***	Soil erosion or everuse	T (FEX.) MOVER)	JD, WATER;	0	0	0	
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Other	О	0	О	to page 11 the	Recently Bu	imed Gra	isslam		0	0	0		Other	erikbu ex	<del> </del>	0	O	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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	V (	B-1	6: E	BUFF	ÈR SAMPLE PLOTS -	TAF	(GE	IEC	) ALI	EN SPECIES (Back) Reviewed b	y (initia	l):	<u></u>	
Site ID:	PC	ger	Nc	- 119	<i>t/</i>	DAT	E: <i>C</i>	ر اع	> <b>/</b>	1012011				
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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
urasian Watermilfoil	0	0	0		Purple Loosestrife	Ο	0	0		Johnson Grass	0	0	O	
Water hyacinffi	0	0	0		Knotweed	О	O	0		Kudzū	0	0	0	
Yellow Floating Flean	О	О	0		Japanese Knotweed	0	0	0		Multiflora Rose	О	0	0	
Giant Salvinia	О	О	0		Perennial Pepperweed	0	o	0		Common Buckthorn	Ο	0	0	
Garlic Mustard	О	О	0		Gianf Reed	0	O	0		Himalayan Blackberry	О	0	0	
Poison Heinlock	О	О	0		Cheatgrass	0	0	0		Tamarisk	О	0	O	
Mile A-Minute Wood	0	О	О		Reed Canary Grass	0	Ō	0		Olher	Ο	0	0	:
3irdsfoot Trefoil	0	0	0		Common Reed	О	0	0		Other:	0	0	О	
Canada Thistle	О	О	O	1	Loafy Spurge	o	О	0		Other:	О	0	O	
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Resi	dential	and	Urba	an S	tress	ors		1	Hydrold	ogy S	Stres	sors	Audi				Agricultu	ıral	& Ri	ıral S	tres	sors	
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Golf Cours	se.	Fryspann.	energy (Pro-	0	O	0		Fill/Spoil B	anks	7.0		O	0	0		Fallow Field	I (OLD - GR	4SS,		0	0	0	
Lawn/Park				O	0	0		Freshly De		Sedin	nent	0	0	0		Nursery		Ž.,		0	0	О	
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Landfill				О	O	Ο		Inlets, Out	ets			О	0	0		Confined A	nimal Fee	ding		O	О	O	
Dumping				О	0	0		Point Sour	ce/lipe	WATE:	31	О	0	0		Rural Resid	iential			0	O	О	
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Oil Drilling			W.	0	О	0		Forest Clea	r Cut			0	0	0		Herbicide U	se:			O	0	0	
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Mine (surf	ace)			O	0	0		Tree Planta				0	0	0	1.7 1	Trails				0	0	0	ļ
Mine (unde	<del>XXIII)</del>			0	0	0	. <del>1 - 1 1 - 1</del>	Liee Canop	and the second of	OIŶ	<del>}                                    </del>	0	0	0		Soil Compa	ction	7 7 7		0	0	0	
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Other:	,	<del></del>		0	О	О	: :	(OVERALL <3" Recently Bu	IJIGH)			О	0	0		OR OVERUSE)				0	0	0	
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Site ID:			ini m Nasa					<u> </u>		3/2011				
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Eurasian Watermilloil	0	0	О		Purple Loosestrife	0	0	0	1	Johnson Grass	О	О	0	
Water hyacinfli	0	0	0		Knotweed	0	0	0	<u> </u>	Kudzu	0	0	0	
Yellow Floating Heart	O	Ō	0	n	Japanese Knotweed	O	0	0		Multiflora Rose	Ō	Ō	O	· · · · · · · · ·
Giant Salvinja	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	O	0	0	
Gartic Mustard	O	Ö	0		Giant Reed	0	O	0		Himalayan Blackberry	O	O	O	
Poison Hemlock	O	O	0	İ	Cheatgrass	0	0	0		Tamarisk	O	O	O.	
Mile A-Minute Weed	O		Ō	s viā, vilia.	Reed Canary Grass	0	0	Ô	· <del></del>	:Other: "	Ō	O	Ō	 
Birdsfoot Trefoil	Õ	0	0		Common Reed	0	0	Ō		Other:	Ō	0	O	
Canada Thistle	O	O	0		Leafy Spurge	0	O	o.		Other:	o	ō	О	
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Buffer Sample Points - Targeted Alien Species 05/27/2011

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