CLEVELAND MET	TROPARKS Plant Community Assess	sment Program:	Quality Control Form 💮 🗘 Clevel	and Metroparks
Project Label:	PCAP	Plot No:	1326 Date Sampled: 6/26/13	and Metropanks Lead: <u>Laceal</u>
			Comment required if item answer	is NO
Parking/Access outsi	de of Park Boundaries:	Y (N)	If yes, write details in Comments section below	w
Field journals comple	eted	Y N		
Site sketch made on	1:3000 map?	(Y) N		
Check cover page	X-axis Bearing of plot recorded	(XX) N		
	GPS coords Recorded	Y N		
	North direction recorded	Ø N		
	Photographs taken?	(Y) N		
Plot No., Date agreen	nent on all pages?	Y N		
l·leader data complete	ed all pages?	(Y) N		
Cover classes recorde	ed in all Intensive modules	(X) N		
Browse Level By Spe	ecies	(Y) N		
Woody stem quality	control check	Y) N		
Invasive plant quality	control check	(Y) N		
Ash trees mapped		Y N	NIA	
Cover by Strata? (cor	nfirm cover type)	N Q		
Soil samples collecte	d with matching plot #.	(Y) N	, , , à	
Vouchers labeled on	datasheet with initials and number	Y N	NIA	
Vouchers labeled on	collection bag	YN	N)/H	
Pink flags removed		(X) N		
Data sheet QA before	leaving site?	(Y) N		
Common equipment	returned to tub.	(T) N		
Data sheets scanned?		6/28/13	Enter date to left RC	
Final data sheets scar	ned?		Enter date to left	
Buffer Widths measu	red?	Y) N	AL 6-20-13	
Web Soil Survey		Ý) N	AB 6/28/13	
Voucher Location	Refrigerator	YN		
( # vouchers collected)	Press (#)		Enter number to left	
	Drier	YN		
	Identified	YN		
	Mounted	YN		
	Thrown away	Y N		
GRTS point verifica	tion: Is plot sampleable?			
Yes Yes	Original GRTS point is sampleable			
□ No	Original GRTS point lands in a non-s	ampleable area (fi	ll in category below)	
	Depoint falls in a water (i.e river, la	ike)		
	☐ Managed mowed area (i e golf o	ourse, picnic area, righ	I-of-way)	
	Paved area (i.e. parkinglot, road)     Unsafe to sample (i.e. steep slope)			
	Other			
Additional Commen	ts:			
	2			

enti's	The state layer. 1.0 and CVS Field Guide	Plot placement:   □ RRTS □ Representative □ Random □ Stranfied Random □ Transect component □ Systematic (grid) □ Capture specific feature □ Other  *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	TAXONOMIC STANDARD  Authority: G&C Pub Date: 1998  Minimum required fields in Bold and Underlined
Pop Pop	DIFFED dominant in o	Bearing of plot:	TAXONOMIC ACCURACY  high modera low not smpl  vascul. 7 n/a  bryo price not smpl  n/a
100 m	y=0) On On St.	Datum: ■ NAD83/WGS84 □ NAD27  GPS location in plot x=0 to 5, y=-1,0,+1):  x = 0 y = 0 (base of plot x=0, y=0)  Latitude: 41, 47466  Longitude: 51.8740  Coord. Accuracy: 6 m □ ft 1.1  GPS File Name: 15.264  Plot size for cover data: 0.05 (hecta	y Still
photo taken, with direction (direction (description on back.	a  Diagram O Plot origin ⊗ GPS location O→  Key: O(00) point ⊗ point  NOTES: Include Layout (any unusual shape details). I  PS content), Rationale (why here), and Veg Characteriza dominants, strata, BROWSE). Additional notes in space deg min  Lowert: 1 × 5 (APT)	Data Confidentiality:  Check one: 2 Public data   Drivate Data   DFuzz 100m   DFuzz 250m   DFuzz 500m   DFuzz	Date (mm/dd/yyyy): 6 /26 / 3  End date (if > 1 day): /  Party Role**  Party Plot leader  Pacca Bullard Woody stoner  Role & Role
<u> </u>	Apr 2-10 GK 4 3	Names: Rocky R. ve	CLEVELAND METROPARKS Plant Col GENERAL INFORMATION Project Label: PCAP Project Name: OI RR 20(3) Plot Name: Aguire

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a

Project Label:

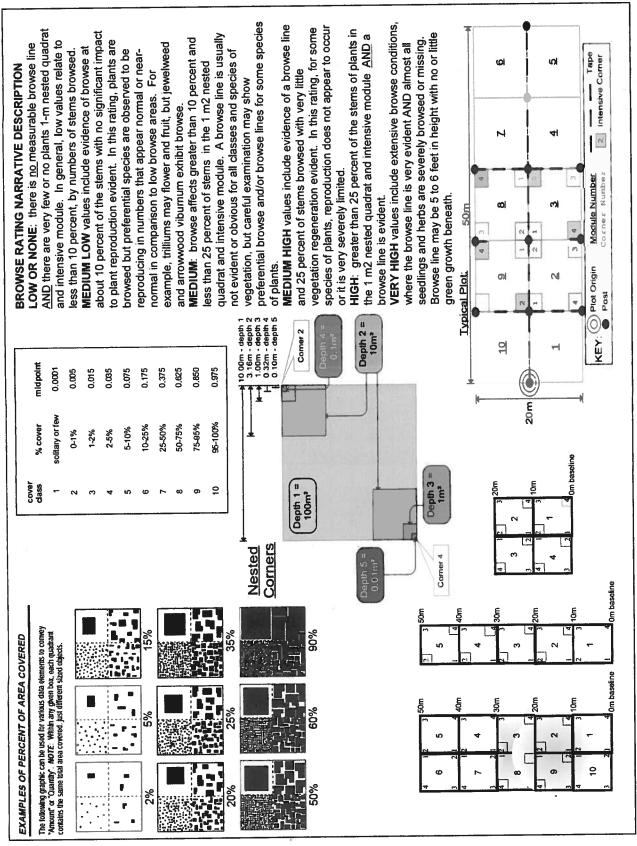
PCAP

Project name: 0/ R / 20/> Strata - Cov. entire plot Cleveland Metroparks Total modules: Vida Sp. Polygonom Vildinianom Taxilo Dandlon Parthenocissus and apperfolia Her CA. Titis sp. rindoa Eyon hamous Sanicola 232:00 Moss syl. -RP15:4 Maxinos americana S describe amount of browse per species over FOUSTRUM VULCARE Torbesina alterifolia 5:4: Br = Browse Level. Use cover classes to biscoma 1casa negundo Charin 5000 1:hon2 of Virginica sprofina MOROWIT triphyllim ver Species fortuni entire plot alluar.a Adicions Ans:5 ဂ Intensive modules: 4 %unveg. ground (bare soil) %unvegetated open water Estimate for each intensive module: %unveg, litter (bare litter Voucher # %open water 7 depth 显 cov depth cov | depth 0 0 UV 2 4 mod Plot configuration: 1×5 ş 8 depth mod F comer mod cov | depth cov depth Plot no.: 1326 かっ V comer COV 8 depth depth N ş t cov | depth 0 depth Z mod Plot area (ha): 0.05 ş 8 depth 2 mod. f Page / of 3 cov | depth cov | depth 1 ց F соттег 800 depth depth E E æ Š Š

2aCM PCAP Species Cover Data sheet Page 1 of X ver 3.xls last revised 5/29/2012 ceh

6/28/13

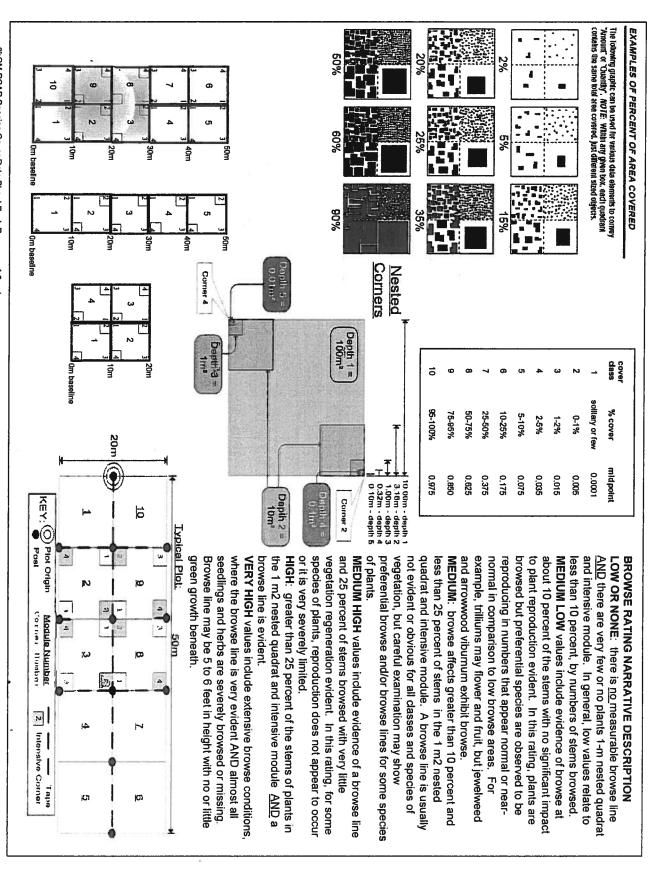
Natural Resource Management FORM NR/2010-02a



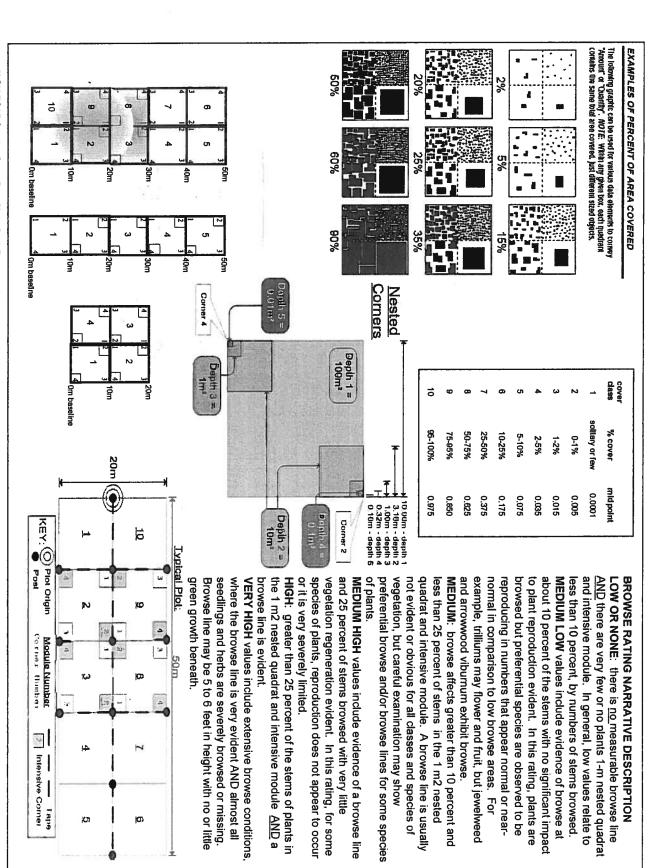
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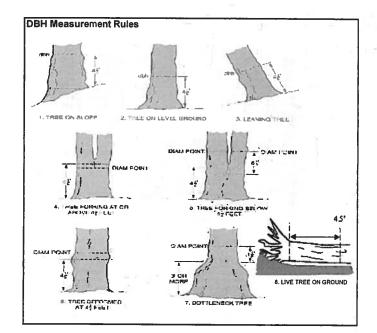
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Strata - Cov. entire plot CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet Cleveland Metroparks Jisual est % open water entire site. Total modules: Project Label: S H (F)(A) Br HSHTW W rornes su. Hosperys mationalis Kornex Olehouse Lin aurea Introduct Varbers Sp 15+ Cracon Sp. / reviously on the picket MANINS describe amount of browse per species over Louvallaria majalis 1/5:00 cor bigging Br = Browse Level. Use cover classes to 3503 A210 54.(500) ing Acctive minus Species Come entire plot Dubascons T, but うでつると Visual est. %unveg.e.w. entire site: 6 ဂ Intensive modules: %unveg. ground (bare soil) intensive module: Estimate for each %unvegetated open water %unveg. litter (bare filter) C52370 52373 Project name: 0\R2013 Voucher# 2771,277 %open water ₽om corner mod cov depth t cov | depth \_\_\_ Plot configuration: cov depth ş 0 Visual est. %invasives entire site: depth mod comer mod corner cov depth Plot no.: 1326 COV depth COV Š depth depth mod corner cov | depth cov depth mod corner Plot area (ha): <u>(). ().</u> COV ξ depth depth mod corner mod Page 3 of 3 cov | depth cov | depth 10 COV 8 depth depth mod æ COV ςQ



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet ú Aces Brithencoiss quingethia Bergis Honbergu Evonymis Sorting Tradition Lines in the Parthenociosos alpinquest Explain subsample (additional room on back) Krec on newsondo Account and course YOUNDS SO. VITES GRAVIES Carya Coch Lormis Of Acsulus globas Travious americance Ligaron Nolgerte Ker reamo Parthenocissus quinque totale Revivadeacles codicass Travinos amerticana mozera benzon Acer Ocarmoo CENTRACIONES CITOTANAS raxinus penasylvenich Socension Project Label: PCAP 61 G П 図 browsed # stems :1 D D 0-1.4m or super % sub Project Name: 0/22/326 3 shrub # size class (cm) woody stems >1.4m :: == 等 <u>م</u> 0 1-<2.5 2.5-<5 Plot No.: 1326 5-<10 0 0 10 - <15 15 - <20 Ф 20 - <25 Page: 25 - <30 ¢ 30 - <35 잋 (P) Gleveland Metropaiks 35 - <40 ö නුදුර 1.9 >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 tally system from 1 to 1















### ASH CANOPY CONDITION

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



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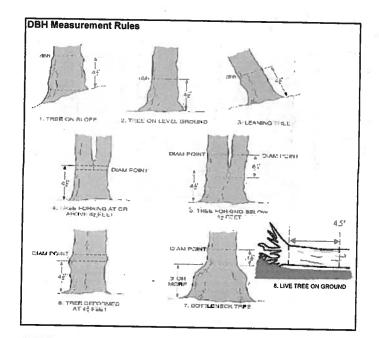
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## ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 4 Platanes occiolentalis 5 NHS CONCIN 5 O Explain subsample (additional room on back): Populus deltorales TOXICOUNDING GOLDINGS Queros so. Transport americans Aexulus slubra Maxinus 80. Rortheroussus quinquebola Transpos SQ. ALTO SHIN Populus del mides Mer newado transport Comos Sp. Francis amesicana Eusphonis Forhuna Acer negundo Acer Diapon species Project Label: voucher# 0 30 • browsed # sterns 0-1.4m • or super sample % sub Project Name: OVRQ 1326 shrub # size class (cm) woody stems >1.4m 23 7 • 1-<2.5 2.5-<5 Plot No.: 1326 5-<10 10 - <15 15 - <20 6 20 - <25 Page: 2 25 - <30 30 - <35 으 Spiereland Metroparks 35 - <40 5 58.8 500 >40 (record each tree) 100.7 : 87.9 90,6 02.4



### **Woody Stem Deer Browse**

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

Record using the tally system from 1 to













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- E: Central stem still standing.

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet Tree ID. 24 21 20 18 13 7 23 22 19 17 5 5 ဖ 25 \* if Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m≥ x ≥1.5m
Woodpecker and epicormic marked present (1) or absent (0) Project Label: PCAP Voucher# Project Name: PCOPPED 326 (cm) DBH (9) Ash condition No ash in intensives over or equal to 10 cm. \*Dead #Exit Epicormic condition holes present Plot No.: 13 26 Date: 6/26/15 Woodpecker holes Baseline Map all ash trees ≥10cm in each module using Tree ID number \*\*\* Change intensive module numbers when necessary | 2 ဖ Z Page: 1 of 2 8 ω

### CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey (Cleveland Metroparks GPS Tier 1: Early detection/ Rapid response **Presence** NE NW SE sw Presence Microstegium vimineum Japanese stiltgrass X: yes · 824033 Ranunculus ficaria Lesser Celandine Cynanchum Iouiseae Black Swallow-wort (vine) **Butomus umbellatus** (wetland) Flowering Rush Giant Hogweed Heracleum mantegazzianum Tier 2: Assess as Needed # of Plants comments SE SW NW # of Plants NE Acer platanoides Norway Maple 1-10 Ailanthus altissima Tree of Heaven 2: 11-50. Lonicera japonica (vine) Japanese Honeysuckle 3: 51-100 Lythrum salicaria (wetland) Purple Loosestrife 4: 101-1,000 Aegopodium podagraria (G-cover) Bishop's Goutweed 5: >1,000 Celastrus orbiculatus (vine) Asian Bittersweet Torilis sp. Hedgeparsley Conium maculatum Poison Hemlock Rhamnus cathartica Common Buckthorn (shrub) Berberis thunbergii Japanese Barberry (shrub) Alnus glutinosa European Alder Dipsacus laciniatus **Cut-leaf Teasel** Autumn Olive (shrub) Elaeagnus umbellata Amur Honeysuckle Lonicera maackii (shrub) 2 2 **Euonymus fortunei** Wintercreeper ` Tier 3: Presence is of Interest # of Plants comments NE SW # of Plants 1-10 Convallaria majalis (G-cover) Lily of the Valley SRE 11-27-13 (G-cover) Crown Vetch Coronilla varia 11-50. 51-100 Eleutherococcus pentaphyllus Five-leaf Aralia (shrub) (2)tah Pachysandra terminalis (G-cover) Japanese Pachysandra medium sized 4: 101-1,000 Philadelphus coronarius **Mock Orange** (shrub) 5: >1,000 Pulmonaria officinalis (G-cover) Lungwort Rubus phoenicolasius Wineberry Iris pseudacorus (wetland) Yellow Flag Iris Ornithogalum umbellatum Star of Bethlehem Viburnum opulus var. opulus European Cranberry (shrub) Viburnum plicatum Doublefile Viburnum (shrub) Tier 4: Widespread and abundant **Presence** comments NE SE sw NW # of Plants 2 Alliaria petiolata Garlic Mustard 1-10 2: 11-50. Ligustrum vulgare **Common Privet** (shrub) **Bush Honeysuckles** 3: 51-100 L. morrowii, L. tatarica (shrub) Phalaris arundinacea Reed Canarygrass 1 4: 101-1,000 Phragmites australis 5: >1,000 (wetland) Phragmites Polygonum cuspidatum Japanese Knotweed Frangula alnus Glossy Buckthorn (shrub) Rosa multiflora Multiflora Rose (shrub) Typha angustifolia, T. x.glauca Cattails (wetland) 12 Cirsium arvense Canada thistle Dipsacus fullonum Common Teasel Hesperis matronalis Dame's Rocket nedim parches (2 Vinca minor Periwinkle (G-cover)

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

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. C\*-check when 10 feature is present in moderate or greater amounts and of highest quality ollected NOTE: tussock and hun lope 1 = slight elevational grade across module (hill) AICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only odule # feature is present in the wetland in very small amounts or if more common, of low quality feature is absent or functionally absent from the wetland nits for microhabitat features. Select one or select two and average the score.NOTE: If mod falls on a slope automatically gets renked based on steepness (1-3) to begin + any features present feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality b hussocks depth 3 no of m x ន d in BOTH nested quadrat comers but counts are പുgregated plands (Tip-Ups) 3.16x3.16m hummocks depth 2 no. of Corner 0 Slope 2 = falls on slope ~20° 00 P depressions no, macro depth 1 10x10m CLASSIFICATION n SLOPE (ground water hydrology or on a physical slop) SHRUB a shrub swamp a tall sh. bog a tall sh fen COASTAL (specify subclass) FRINGING | Reservoir | Natural Lake RIVERINE o Headwater o Mainstem o Channel iMPOUNDMENT - Beaver o Human FIT = excellent g Fit and Confidence thio EPA VIBI Plant Community Class (WETLANDS ONLY): DEPRESSION vdrogeomorphic class (WETLANDS ONLY): EMERGENT to marsh to wet meadow to open bog FOREST - swamp forest - bog forest - forest seep 30G (strongly, moderately, weekly ombrotrophic) (2-12 cm) **A**15 10x10m depth 1 c.w.d c.w.d. - count for pieces with minimum 1m length large separate sheats of compromood 12, mas 3+4 we counted Slope 3 = maximum steepness that can be safely sampled ~45° (12-40cm) depth 1 c.w.d 10x10m seleste mody depus. depth t c.wd 10×10m >40 cm Ī Fi Fit F interspers microhab. depth 1 10x10m Conf= Conf=\_\_ Conf= Conf= Conf= Conf= Conf= Conf= SLOPE microhab 10x 10m Terrain Shape Index (site microtopographic shape) \_andform Index (position within landscape)

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

Project Label: PCAP Project Name: 018 1326

PHOT NO.: DXXX 1326

@ Glevetand Metroparts Page: 1 of 1

# McNAB INDICES (degrees) + for up - for down

+315 degrees	+270 degrees	+225 degrees	+180 degrees	+135 degrees	+90 degrees	+45 degrees	At aspect		LED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]
Z W	W	SW	s	SE	EFI	XII	z		IS PROGRAM -
								LFI	DO NOT FIL
								TSI	LOUTINE
	away	eye of person	recorders eye to	TSI measure	angles formed by local slopes. For	honzon TSI is	LFI is angle of		ELDI

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

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PCAP Plant Cover\_Earth Surface Data sheet Page 1\_ver 3.xls last revised 5/29/2012

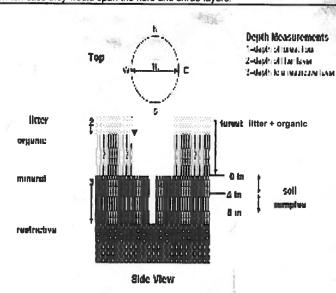
### **COVER BY STRATA**

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

"Very tall shrubs are sometimes included in the tree stratum

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

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



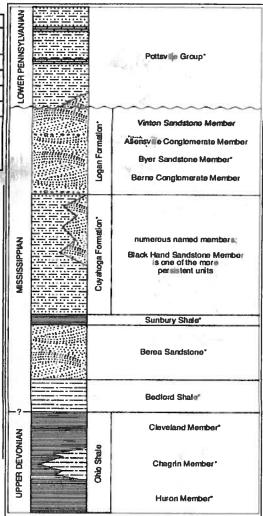


FIGURE 3-20.—Generalized section of Upper Devonian, Mississippian, and Lower Pennsylvanian formations in northeastern Ohio Asteriaks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waverly" is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European term "Carboniferous, which encompasses the Missisppian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular missispe sandstone that is fairly widespread but discontinuous. See Hyde (1953), Hoover (1960), and Collins (1979) for more information of not types.

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

lot No.: 1326

Cityreland Metroparks

Page: 1 of 1

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

Soil pit module # 3 (one per entire plot)

20 cm 5 cm matrix color 2,5483 oxid roots lexture\* ydro cond \*\*\* edox features\*\* exture\* matrix color ydr. cond.\*\*\* edox features\*\* xid roots mottle ottle color ottle color 1000 2°5'\\$3 I S (M) D s M Z z Z

\* refer to texture classes on reverse side

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

I=indundated S=salurated M=moist D=dry

Notes: include evidence of earthworms (worms.

castings, middens)

3 worms. and
shooded yesterday
so other anisona
how have over
seymyed

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

Soil Collection Moduld Horizon (A. B. C)

23.8.9 composited

Web Soil Survey Information:

Soil Series Type: Ch - Chagrin Silt loam

Soil Series Source: Ohio Soil Survey

Landform type: Flood plains

Depth to rest Layer: Hoce than 20in. Jol CM

Parent Material: Alluvium

AS 6/28/13

Well drained
Somewhat poorly dr.

□ Somewhat excessively
□ Moderately well dr.
tr. □ Very poorly dr.

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

P	က	2	_	mod#		
0.5	0.7	2.0	0,2	(cm)	organic depth	1 litter+
6,5	0.7	2.0	0.2	depth (cm)	2 litter	
O	0	0	0	(cm)	water depth	
ダス	X	g	730	soil (cm)	depth sat	40

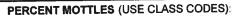
Underlying Earth Surface* Ground Co	Surface*	Ground Cover	_
(Sun: 100%)	percent	(Linh < 100%)	percent
Histosol	B	Coarse Woody Debris***	S Notes
Mineral Soil	1,00°/	Fine Woody Debris***	G
Gravel-Cobble*	Ø	Luter	25
Boulder**	B.	Duff (Ferm + Humus)	Ø
Bedrock	Ø,	Bryophyte- Lichen	1
* Gravel-Cobble	1/16-10"	Water	O
**Boulder > 10 m	s	Bare Soil	ઝ
*** >5 cm in diameter	cter	Road/Trail	Ø

COVER BY STRATA estimate using midpol	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	,ex:3, 8, 13 %
Strata	Height Range (m)	Total Cover (%)
Trec	>5	88
Shrub	. 5-5m	38
Herb	L.5	83
(Floating)*	•	Ø,
(Aquatic)*	•	18
* rooted and flo	* rooted and floating or slightly emersed	seg
** submersed, r	** submersed, most plant mass below surface	w surface

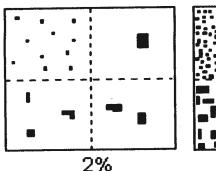
□ Deer	o Gravel	□ Bootleg	o Hikhug:	□ Bridie	All Purpose	Туре	record typ	TRAIL I
		Bootleg unsanctioned	Hikhug sunctioned				ecord type and cover for each	RAIL INFORMATION:
					7	%Covpe	each	. <del>.</del>

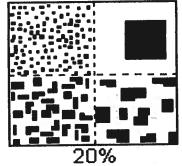
○ < plot size	○ 1-3 x plot size	3-10 x plot size	□ 10-100 x plot size	□ > 100 x plot size	n >600 x plot size	STAND SIZE	

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



Class	С	ode	Criteria: % of
	Conv.	NASIS	Surface Area Covered
Few	ſ	#	< 2
Common	c	#	2 to < 20
Many	m	#	≥ 20

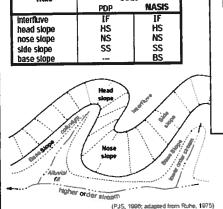


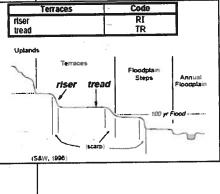


soil texture: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but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

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

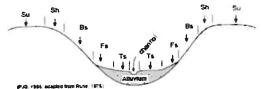
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Fiat Plains; e.g., (for Hills) nose slope or NS.





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

Position	Code
summit	SU
shoulder	SH
backslope	BS
footslope	FS
toeslope	TS



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

UPLAND: Not a wetland. Very rarely flooded.

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

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

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

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

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

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

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

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

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Golf Cou		HOIR	_	6	0	0		Fill/Spoil			- 1	0	0	0			eld (OLD - GRA	SS.	0	0	0	
Lawn/Pa			2	to	10	tŏ		Freshly D	eposited	Sedi	ment	0	0	0		Nursery	A	3/	0	0	0	
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Urban/M		_		0	0	lo		Wall/Ripr	ap			0	0	0		Orchard			0	0	0	
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Gas We	lls			10	0	0		Forest Se	lective C	ut		0	0	0		Mowing/S	Shrub Cutting	g	0	0	0	
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Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Glant 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	
Blrdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
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Road - fo	our lane		0	0	0		Water Lev	vel Contro	ol Str	ucture	-	0	0		Row Crop		0	0	0	
Parking L	_ot/Pavement		0	0	0		Excavatio	n, Dredgi	ng		0	0	0		ROW CROP FIE		0	0	의	
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Lawn/Pai	rk		0	0	0		Freshly D	(TED)			0	0	0		Nursery	SEX III X	0		의	
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Urban/Mi	ultifamily		0	0	0	ļ	Wall/Ripr	ap			0	0	0		Orchard		0			
Landfill			0	0	0		Inlets, Ou				10		0		Confined Rural Res	Animal Feeding	0			
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Indi	ustrial Develo	pme	ent S	Stres	ssor	S	1 18-11		UT.	ile I		Habi	tat/V		tion Stres		ed.		ur Ej	
Fiii bubb	ie if present - P	Piot	1	2	3	Flag	Fili bubbi	e if prese	ent -	Piot	1	2	3	Flag	FIII bub	bie if present - Pio		2	3	Fiag
Oil Drillin	ıg		0	0	0		Forest Cle	ar Cut			0	0	0		Herbicide	Use	0	0	0	
Gas Wel	ls		0	0	0		Forest Sel	ective Cu	it		0	0	0		Mowing/S	hrub Cutting	0	0	0	_
Mine (su	rface)		0	0	0		Tree Plant				0	0	0		Trails		0	0	0	3
Mine (un	derground)		0	0	0		Tree Cano (INSECT)	py Herbi	vory		0	0	0		Soil Comp (ANIMAL OR		0	0	0	
Military			0	0	0		Shrub Lay		ed		0	0	0			ehicle damage	0	0	0	
			0	0	0		Highly Gra	zed Gras			0	0	0			ON (FROM WIND, WATER E)	•	•	0	
			0	0	0		Recently 6	Burned Fo	orest		0	0	0		Other:		0	0	0	
Other:			10	0	0		Recently E		rassla	and	0	+	0		Other:		0	0	0	
	Flag codes: K = N	lo me			t mad	le, U = 5	Suspect mea	surement.	, F1,i	F2, etc	c. = mi	sc. flag	15 ass	signed i	y each field	crew. 24	2816	830	4	
	Buffer Sample F				Exi	olain ail	flags in com	ment sect	ion or	n the I	back o	f this f	orm	Sal-		Translation of				

Site ID:				0	ER SAMPLE PLOTS -					Reviewed by 2 6 1 2 0 1 3	r (initial	l):	117	
Confirm	a filic	ed da	ıta bı	ubbie i	ndicates presence and an unf	illed I	bubbi	ie ind	dicates	absence by filling in this bub	bie			77
Fill bubble if present - Plot	1	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Fiag	Fili bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
			_					_		Other:	0	0	0	
				1892	PLOT COORI	DINA	TES							
O AA CENTER O N	3	o s	3	O E3	O W3 Nearest pra	Lon	gitud	de V		and comment below)	9.	[	4	- ]
Flag Comments	-					-	-	_						
Flag Comments	202	1	2.2		aca. Il lim									
900	-( (	द्र <u>म</u> ू	2 L	1	n see all of it	<i>(</i> :	-		1)	125				
2 15m N +	non	Y		elin	\	Ut	cc h		2.0	curside et BP1)				
A	01	<u>'\\</u>	8	-	PUT is 10 N		<u> </u>		<del>\</del>					
4 or baseline	6	R	42	121	nued at speepindi	W_	Th	<u>st a</u>	deve	laps into roch tac	e_			
								·						
					Ö							_		
Buffer Sample Po	oints -	Targ	geted	Alien :	Species 05/27/2011					796	6623	3541	3 (	•

							FOR	M B-1:	BUFF	ER S	SAN	IPLI	E PL	OTS	s (Fr	ont)	Reviewed	by (initial)		- (	
Site I	D: P	CAY	PRI	212	526										DATE:	0.6	12612	2,0.	1.5		
Location	on:		199					ANTUR	Fill	in b	ubb				coul	d not be	sampled and	flag -	→	1	
OAAC	enter	0	N	0	S	) E	0	W	<b>◎</b> P				lot 2	_	@ PI	ot 3					-Ц
Fill in bubble Strata Section	es for all thon: Fill in	hat app	ply: Ca priate o	nopy cover o	Type: (	) = De	eciduous for each	s; E = Evergr a strata type f	Buffer leen. Leaf Tor each plot		- 0-	adlaaf	N - N	albor	Leaf. At	osent: No tre derate(10-40	e canopy. %); 3 = Heavy (40-75	5%); 4 = \	ery He	avy (>	>75%)
Buffer	Canop	у Тур	e:	) (	) Ab	sent	: 0	Buffer	Canopy				-	ent:		Buffer Plot 3	Canopy Type:	0 C	_	sent:	
Plot 1	Lea	f Typ	e: 🧶	) (	<u>)</u>		Flag	Plot 2	ــــــــــــــــــــــــــــــــــــــ		e: (•			$\overline{}$	Flag		1016	<u> </u>	0	0	Flag
Big Trees (2	0.3m DBH		0	<u>N</u>	0	9		Big Trees	>0.3m DBH)		$\odot$	0		<u> </u>				<u> </u>	0	허	
mall Trees (	<0.3m DBH	0	0		0	$\Theta$		Small Trees	<u> </u>		0	0		<u> </u>						=+	
Woody Shrub: (0.5m	s, Saplings -5m HIGH)	0		0	0	0			m-5m HIGH)	0	0	0	<del>-</del>	<u> </u>		(0.	5m-5m HIGH)		9	읽	$\dashv$
Waody Shrub (<0	s, Saplings ).5m HIGH)	0		0	0	<u> </u>			0.5m HIGH)	0	0	0	<del>-</del> +	<u> </u>			(<0.5m HIGH)		0	의	
Herbs, I	orbs and Grasses			0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	<u> </u>		Heros	Grasses O	00	0	의	
Bare	ground	0		0	0	0		Bar	e ground	0	0	0	0	<u> </u>		Ba	ere ground () (	<u> </u>	0	의	
Lit	tter, duff	0	9	0	0	0		L	itter, duff.	0	0	0	0	<u> </u>			Litter, duff 🔘 (	<u> </u>	0	9	
	Rock	0	0	0	0	0			Rock	0	0	0	0	$\odot$			Rock 🔘 (	<u> </u>	0	0	
	Water	0	Ō	0	0				Water	0	0	0	0	0			Water 🗿 (	<u> </u>	0	0	
	ubmerge		0	0	0	0			Submerged Vegetation		0	0	0	0			Submerged O (	) O	0	0	
Stros	Vegetation	seno			ce - (	Confi	rm that	a filled dat	a bubble		ates p	resen	ce and	an ı	unfilled	bubble ind	licates absence by	filling t	nis but	ble.	0
	identia		_	-100		1177			Hydrold								Agricultural &	Rural	Stres	sors	3
Fili bubbi		_	_	_	2	3	Flag	Fili bubb	ie If pres	ent -	Piot	1	2	3	Flag	FIII bubb	le if present - Plo	t 1	2	3	Flag
Road - gr		30110		0	0	0			Channeliz			0	0	0		Pasture/H	lay	0	0	0	
Road - tv	_		00.0	10	0	0		Dike/Dan	n/Road/RI			10	0	0		Range	North Marie	0	0	0	
Road - fo			_	10	0	ō		Water Le	vel Contro	ol Str	uctur	e 0	0	0		Row Crop		0	0	0	
Parking l		ment	_	To	o	ō		Excavati	on, Dredg	ing		0	0	0		ROW CROP FI		3 0	0	0	L
Golf Cou	2000 - 200			lo	0	0		Fill/Spoil	Banks			0	0	0		Fallow Fig SHRUBS, T	eld (OLD - GRASS, REES)	0	0	0	
Lawn/Pa				lo	0	0		Freshly (	Deposited ATED)	Sedi	ment	0	0	0		Nursery	The state of the s	.0	0	0	
Suburba	n Reside	ential		0	0	0		22 TO 22 TO 10	/Root Ex	posur	е	0	0	0		Dairy		0	0	0	
Urban/M	ultifamily	y		0	0	0		Wall/Rip	rap			O	0	0		Orchard		0	0	0	
Landfill				10	0	0		Inlets, O				C	0	0			Animal Feeding	C	_	0	-
Dumping				0	0	0		(EFFLUEN	urce/Pipe t or stork	<b>IWATE</b>	R)	C	0	0		Rural Re	sidential	C	-		_
Trash				10	0	0		(SHEETFL	us surfaci ow)	e inpi	ut	C	_	0		Gravel P	it	C	_	0	+
Other:					0	0		Other:				_ C	0	0		Irrigation		C	_	0	
Other:					0	0		Other:				_   C	0	0		Other:		_ c	0	0	<u> </u>
Ind	ustrial	Deve	elopi	nent	Stre	SSOI	rs						Habi	tat/V	/egeta	tion Stre	ssors				
Fili bubb	ie if pre	sent	- Pio	1	2	3	Fiag	Fili bubb	ie if pres	ent -	Piot	1	2	3	Fiag	Fiii bu	bble if present - F	lot 1	2	3	Flag
Oil Drillin			10	C	0	0		Forest Cl	ear Cut			0	0	0		Herbicide	Use	C	+-	_	_
Gas We	lls			C	0	0		Forest Se	elective C	ut		C	0	0		Mowing/S	Shrub Cutting	C	0	77.5	_
Mine (su	ırface)			10				Tree Plan	ntation			C	0	0		Trails		C	0	0	)
Mine (ur		ind)		1	-	+		Tree Car	opy Herb	ivory		C	0	0		Soil Com		C		0	,
Military	_			1	1	_		Shrub La	yer Brows	sed		C	0	0			vehicle damage	C		0	)
			-	1	_	1	_	Highly G	razed Gra	sses		C		0		Soil eros	ion (FROM WIND, WA	TER, C	) C	0	)
Other:					_	+-	_	Recently	Burned F	ores		C		0					0	C	)
Other:	2		_	1	_	+	+	Canopy Recently	Burned G	rass	land	C		0	-				0	C	)
Other:	Class and	lan: ¥	n Na			4	do II =	(BLACKEN	acuremen	t., F1	,F2, e	tc. = m	isc. fia	as as		_		24281			
	Buffer S					Ex	ipiain al	i flags in co	mment sec	tion o	n the	back	of this 1	form		Mari		1201			

	R	A	20	KR 1326	_ (	DAT	E: _(	) (	ر ا و	2612013	y (initia			
<b>❷</b> Confirm a	a filic	ed da	ita bi	ubble indicates presence and a	-	-		_	-		bie			4
Fill bubble if present - Plot	1	2	3	Flag Fili bubble if present -		1	2	3		Fili bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0	Purple Loosestrife		0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0	Knotweed		0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0	Japanese Knotweed		0	0	0		Multiflora Rose	0	0	0	
Glant Salvinia	0	0	0	Perennial Pepperweed		0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0	Giant Reed		0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0	Cheatgrass		0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0	Reed Canary Grass		0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0	Common Reed		0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0	Leafy Spurge	-	0	0	0		Other:	0	_	ŏ	
	100					_				Other:	0	_	<u></u>	_
				PLOT CO	ORDI	INA.	TES	The same				$\sim$ 1	9	-170
Latitude N	orth	4		4.7. \$3. 4. Use Decimal I	ι	Long	gitud	e W		28.( . 8.2.4. c	00.		_	
Flag Comments		,												
L Rocky I'VI	2	600	sks	Eastward marin	cat	1 1	1,5 W	ally	a:	sessed Plot I could	d not	acc	(35	Plot- 2.3
12 Could not		ba	nk	of RR when	mau.	La	E	7	) ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	mater line.		•		
														_

Cirsium phalails pachysonia

							FO	RM B-1:	BUFF	ER	SAN	APL	E PL	OT.	S (Fr	ont)		Review	red by (	initial):		- (	
Site I	D: P	CAR	OB	RIZ	320	9			1181						DATE	06	120	, 1	2.	<u>O.</u>	13		
Location		020	4 1			10		tending/fee	Fill	in b	ubb	le(s)	if pl	ot(s	) cou	ld not be	sample	ed a	nd fl	ag -	<b>→</b>		
OAAC	Center	0	N	•	S	OE	0	W	OP				Plot 2			lot 3							-
Fill in bubble	es for all th	at apr	oly: Ca	nopy	Туре:	D = D	eciduou	e: E = Everan	<b>Buffer</b> en. Leaf T	vne: F	R = Rm	adleaf	FN = N	leedle	Leaf A	bsent: No tree	e canopy.						7500
Strata Section	on: Fill in a	pprop	riate d	cover	class b	ubble	for eac	h strata type fo	or each plo	t. 0 = .	Abser	t; 1 = 8	Sparse(	<10%	); 2=Mo	derate(10-40	%); 3 = Hea	vy (40	-75%);	$\overline{}$			$\overline{}$
Buffer	Canopy		$\overline{}$	$\leftarrow$	4-	sent		Buffer	Canopy		_		4	sent	-	Buffer Plot 3	Canopy		$\overset{\sim}{ imes}$	0	Abs	sent:	
Plot 1		f Typ	e: (•				Flag	Plot 2	Lea	f Typ	云	ĺ		$\overline{}$	Flag		L	Турс	$\overline{}$			_	Flag
Big Trees (>	•0.3m DBH)	-	0	0	0	$\odot$		Big Trees (	>0.3m DBH)	<u> </u>			_	의			(>0.3m DBH)		0	읫	$\frac{\Theta}{\Theta}$	의	
Small Trees (		9	0	0	0	$\odot$	<b></b>	Small Trees ( Woody Shrub		<u> </u>	0	9		<u> </u>		Small Trees	(<0.3m DBH) ubs, Saplings	-	<u></u>	9	읫	의	
	-5m HIGH)		0	0	0	0			-5m HIGH)	0	0	0		의		(0.5	im-5m HIGH) ibs, Saplings	-	$\bigcirc$		의	의	
	5, Saplings 5.5m HIGH) orbs and	<b>(9)</b>	0	0	0	0		(<	).5m HIGH) Forbs and		0	0	_	의		(•	<0.5m HIGH) , Forbs and	0	0	<u> </u>	$\frac{9}{2}$	의	
neros, r	Grasses	9	0	0	0	0			Grasses	0	0	0	0	$\odot$			Grasses	0	0	9	<u>의</u>	의	
	ground	9	0	0	0	0			e ground	0	0	0	0	의			re ground	0	0	9	<u> </u>	의	
Lit	tter, duff	9	0	0	0	0		L	tter, duff	0	0	0	0	<u> </u>		l	itter, duff	0	$\odot$	읫	9	의	
	Rock	<b>(</b>	0	0	0	0	ļ		Rock	0	0	0	0	의			Rock	0	0	9	<u> </u>	의	
	Water	0	0	0	0	<b>2</b>			Water	0	0	0		<u> </u>			Water Submerged	0	0	9	<u> </u>	의	
\	ubmerged /egetation		0	0	0	0		,	/egetation	0	0	0	0	<u>O</u>			Vegetation	0	$\bigcirc$	0	<u> </u>	0	
Stress	sor Pres	senc	e/Alt	sen	ce -	Confi	rm that	t a filled data					ce and	d an i	unfilled			200			110/200		
Res	idential	and	Urb	an S	tres	sors			Hydroid	gy S	Stres	sors					Agricult						
Fill bubble	e If pres	ent -	Plot	1	2	3	Fiag	Fili bubbl	e If pres	ent -	Piot	1	2	3	Fiag	Fili bubbi	e if prese	nt - P	iot	1	2	3	Flag
Road - gr	avel			0	0	0		Ditches, C				0	0	0		Pasture/H	ay	100		0	9	의	
Road - tw	o lane		11	0	0	0		(IMPEDE FL	(WC			0	0	0		Range				0	0	의	
Road - fo			POL.	0	0	0		Water Lev		-	uctur	+	0	0		Row Crops Fallow Fie		RESTI	NG		9	0	
Parking L		nent		0	0	0	<u> </u>	Excavatio		ng	-	10	0	0		Fallow Fie	LD)		-	0	0	尚	
Golf Cour				10	10	0		Fill/Spoil I		Sedir	nent	10	00	00		SHRUBS, TR				0	00	ö	
Lawn/Par		A! - 1	1 1	10	10	0		Soil Loss	TED)			0	0	0		Nursery		-		0	0	히	
Suburban		ntiar		10	0	0		Wall/Ripra				10	0	0	<u> </u>	Orchard				0	0	0	
Urban/Mu	uttramily	-	-	0	0	6	-	Inlets, Ou		Name of		0	0	0		Confined /	Animal Fe	edina	E 1	0	0	ŏ	
Landfill				0	8	0	_	Point Sou	rce/Pipe		_	10	0	0		Rural Res				0	ō	Ö	
Trash				0	0	0		Imperviou	s surface			0	0	0		Gravel Pit		117		0	0	Ö	
Other:	-			ŏ	0	ō		Other:	and an analysis of the same of			. o	ō	0		Irrigation	A SHITT	100		0	0	0	
Other:				o	0	0	_	Other:	and a little			0	_	0		Other:				0	0	0	
	ustrial C	evel	opn		-		s	- y 1				0.000	2000	at/V	egeta	tion Stres	sors						
Fili bubbi		_		1	_	3	Fiag	Fiil bubbi	e if prese	ent -	Piot	1	2	3	Fiag	Fiil bubl	bie if pres	ent -	Piot	1	2	3	Fiag
Oil Drillin		lano		0	0	0		Forest Cle	ar Cut			0	0	0		Herbicide	Use			0	0	0	
Gas Well	ls			0	0	0		Forest Sel	ective Cu	t		0	0	0		Mowing/Sh	rub Cuttir	ng	MIL	0	0	0	
Mine (sur	rface)			0	0	0		Tree Plant				0	0	0		Trails				0	0	0	
Mine (un	dergroun	d)		0	0	0		Tree Cano (INSECT)				0	0	0		Soil Comp (ANIMAL OR				0	0	0	
Military				0	0	0		Shrub Lay	MESTIC)		10	0	0	0		Offroad ve				0	0	0	
Other:				0	0	0		Highly Gra	zed Gras			0	0	0		Soil erosio OR OVERUS	•	IND, W	ATER,	0	0	0	
Other:				0	-	0		Recently E	Burned Fo	rest		0	0	0		Other:				0	0	0	
Other:				0	****	0		Recently E	Burned Gr	rassla	and	0	0	0		Other:	1.01			0	0	0	
_	Flag code	5: K =	No m			t mad	le, U =	Suspect mea	surement.	, F1,F	2, etc	. = mi:	sc. flag	s ass	igned b	y each field	crew.		242	816	8304	4 (	
	Buffer Sa	mple	Plot	s 0	5/27/	2011	olain ali L	flags in com	ment secti	on or	i the b	ack of	unis to	PETTI			WHEN YOU						uw,ii

50	DM	R.1	· 6	HIEE	ER SAMPLE PLOTS -	TAD	CE	TEI	2 ALL	EN SDECIES (Back)	WU!			
Site ID:										Reviewed by	(initial	):		
					-	_						_	Mag.	
@ Confirm	a fille	d da	ta bu	ubbie i	ndicates presence and an unf	ilied l	ubbi	e inc	dicates	absence by filling in this bubl	ole			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Fiag	Fill bubble if present - Plot	1	2	3	Fiag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	
Glant Salvinla	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
			11.00111							Other:	0	0	0	
					PLOT COORI	DINA	TES		*			B <sub>a</sub>		Wal
Coation of coordinate O AA CENTER O N  Latitude I	3	O S	3	O E3	O W3 Nearest pra	Lon	gitud	de V		9 and comment below) 0.8.1	4		0)	2
Flag Comments														
/ PR A.D. A.I		14 /2	۸.	. 1	- 1 - 1 - 1 - 1	7							-	
2 RR pres-	no no	t.	sin VIS	val	d Duffer plot y ossess th	)	1000 AMX		,	plot 2 £ 3.	We			
					0		,	i.						
			U. C.					MSS:		<u></u>			21,127	
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						7-1-		5	100					
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									10110-2017				2.110	
			_											
								_						
										796	662	354	A	

05/27/2011

**Buffer Sample Points - Targeted Alien Species** 

•				W			,	RM B-1:	BUFF	ER	SAN	<b>APL</b>	E PL		-		Reviewed t			- (	
Site I	D:	RA	PR	R	137	26									DATE	: <u>06</u>	12612	. 0	1.3		
Location								NA B	FIII	in b	ubb	le(s)	if pl	ot(s	) cou	ld not be	sampled and	flag -	<b>→</b>	1	
OAAC	Center	0	N	0	S	O E	•	W		lot '	_		Plot 2			lot 3					
FIII in bubble Strata Section	es for all t on: Fill in	hat app approp	oly: Ca vriate d	nopy over o	Type: I	D = D	eciduous for each	· F = Everon	Buffer een. Leaf T or each plo	vne F	t = Bm	adleaf	N = N	leedle	Leaf A	bsent: No tred derate(10-40	e canopy. %); 3 = Heavy (40-75	%); 4 = V	ery He	avy (	>75%)
Buffer	Canop	у Тур	e: 🌘	) (	) Ab	sent	: O	Buffer	Canopy	у Тур	e: 🌘	<u>(</u>	) Ab	sent	: O	Buffer	Canopy Type: (		_	sent:	0
Plot 1	Lea	f Typ	e: <b>(</b>	) (			Flag	Plot 2	Lea	f Typ	e: <b>(</b>	<u>(</u>			Flag	Plot 3	Leaf Type: (	$\odot$		_	Flag
Big Trees (>	0.3m DBH	0	0	0	0	0		Big Trees (	>0.3m DBH)	0	0	0	<u> </u>	<u> </u>		Big Trees	(>0.3m DBH)		<u> </u>	<u> </u>	
Small Trees (<	0.3m DBH	0	0		0	0		Small Trees (	<0.3m DBH)	0		0	0 0	<u> </u>		Small Trees	1010		0	<u> </u>	
Woody Shrubs (0.5m-	s, Saplings 5m HIGH)			0	0	0		Woody Shrub (0.5m	s, Saplings 1-5m HIGH)		0	2	0	<b>O</b>			bs, Sapilngs m-5m HIGH)		0	0	
Woody Shrubs		0	•	0	0	0		Woody Shrub	s, Saplings ).5m HIGH)	0		0	0	0			bs, Saplings :0.5m HIGH)	0	0	0	
	orbs and Grasses	0		0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs	Forbs and Grasses	0	0	0	
Bare	ground	0	Ō	0	0	0		Bare	ground	0	0	•	0	0		Bar	e ground ① (	0	0	0	
Lit	ter, duff	0	0	•	0	Ō		Li	tter, duff	0	0	0	0	0		Ĺ	itter, duff 💿 🕻	0	0	0	
	Rock		Ō	Õ	0	0			Rock	Ō	<b>(</b>	0	_	Ō			Rock ①	0	0	0	
	Water	0	0	0	3	$\frac{1}{0}$			Water	0	0	0	_	Ŏ			Water ① ①		0	0	
	ubmerged		0	0	)(	$\overline{\odot}$			ubmerged		Ö	0	-	Ö			Submerged O	0	<u></u>	Ō	
	egetation			$\sim$		$\succeq$	rm that		egetation bubble i				$\preceq$	$\leq$	unfilled	bubble Indi	cates absence by t		s bub	ble.	9
	dentia								Hydrolo		_						Agricultural & F	1127		11/1	
Fiii bubble	e If pres	ent -	Piot	1	2	3	Flag	FIII bubbi				1	2	3	Flag	Fili bubble	e If present - Piot	1	2	3	Flag
Road - gra		58/		0	0	0		Ditches, C	hanneliz	ation		0	0	0		Pasture/Ha	ay	0	0	0	
Road - tw				0	0	0		Dike/Dam		R Bed		0	0	0		Range		0	0	0	
Road - for	ur lane	NA.		0	0	0		Water Lev	Che un a control	ol Str	ıcture	0	0	0		Row Crops	3	0	0	0	
Parking L	ot/Pave	ment		0	0	0	,	Excavatio	n, Dredgi	ng	-	0	0	0		Fallow Fie	d (RECENT-RESTING	0	0	0	
Golf Cour	se			0	0	0		Fill/Spoil E	Banks			0	0	0			ld (OLD - GRASS,	0	0	0	,
Lawn/Par	k			0	0	0		Freshly D		Sedir	nent	0	0	0		Nursery		0	0	0	
Suburban	Reside	ntial		0	0	0		Soil Loss/		osure	•	0	0	0		Dairy		0	0	0	
Urban/Mu	Itifamily			0	0	0		Wall/Ripra	эр			0	0	O		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Ou				0	0	0		Confined /	Animal Feeding	0	0	0	
Dumping				0	0	0		Point Sou (EFFLUENT	OR STORM	WATE	R)	0	0	0		Rural Res	idential	0	0	0	1
Trash					0	0		(SHEETFLO	s surface	inpu		0	0	0		Gravel Pit		0	0	0	1
Other:				0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:		0	0	0	
Indu	strial (	Devel	opm	ent :	Stres	sor	s						Habit	at/V	egeta	tion Stres	sors				
Fili bubbi	e If pres	sent -	Plot	1	2	3	Flag	Fili bubbic	e if prese	ent -	Piot	1	2	3	Fiag	FIII bubi	ole if present - Pic	ot 1	2	3	Flag
Oil Drilling	9			0	0	0		Forest Clea	ar Cut	Wen		0	0	0		Herbicide I	Jse	0	0	0	
Gas Wells	s			0	0	0		Forest Sele	ective Cu	t		0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (sur	face)			0	0	0		Tree Plant				0	0	0		Trails		0	0	0	
Mine (und	dergrour	ıd)		0	0	0		Tree Cano (INSECT)	py Herbiv	ory		0	0	0		Soil Comp (ANIMAL OR	action HUMAN)	0	0	0	
Military				0	0	0		Shrub Laye		ed		0	0	0		Offroad ve	hicle damage	0	0	0	
Other:				0	0	0		Highly Gra (OVERALL <3	zed Gras	ses		0	0	0		Soil erosio	N (FROM WIND, WATE	R. D	•	0	Ì
Other:				0	0	0		Recently B		rest		0	0	0		Other:		0	0	0	
Other:				0	0	0		Recently B	urned Gr	assla	nd	0	0	0		Other:		_ 0	0	0	
_	iag code	s: K =	No m		_	mad	e, U = S	uspect mea	surement.	, F1,F	2, etc	. = mis	c. flag	s ass	igned b	y each field	crew. 24	2816		1 (	
E	Buffer Sa	mple	Plots	05	/27/	Exc 2011	nain ali	flags in com	ment secti	on on	tne b	ack of	this fo	outl							

Confirm a	n filie	d da	ta bu	ıbble i	ndicates presence and an unf	iiled t	oubbi	e ind	licates	absence by filling in this bubl	oie			
Fili bubble if present - Piot	1	2	3	Flag	Fili bubble if present - Plot	1	2	3	Fiag	Fill bubble If present - Plot	1	2	3	Fiag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0	4	Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0	1
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0	1	Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
	DX.		1							Other:	0	0	o	
		40	147		PLOT COORI	DINIA	TEC		. 7			10		
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**Buffer Sample Points - Targeted Alien Species** 

05/27/2011