Project Label:	PCAP	Plot No:	: 1327 Date Sampled: 07/07/13 Lead: A. Las
1000 See 100			Comment required if item answer is NO
Parking/Access outsid	le of Park Boundaries:	(Y) N	If yes, write details in Comments section below
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Cover by Strata? (con		Y N	
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Vouchers labeled on	collection bag	Y) N	
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Data sheets scanned?		775/13	Enter date to left
Final data sheets scan	ned?		Enter date to left
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Voucher Location	Refrigerator	NON	
# vouchers collected)	Press (#)		Enter number to left
ACL 030 - ACL 042	- Drier	ΥN	
001 040	Identified	Y N	
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	ntion: Is plot sampleable?		
M∕ Yes	Original GRTS point is sampleable		
□ No	Original GRTS point lands in a non-	-sampleable area (fill in category below)
	□ Point falls in a water (i.e. river,		
	Managed mowed area (i.e. gold Payed area (i.e. settled area)	f course, picnic area, ri	ght-of-way)
	Paved area (i.e. parkinglot, road) Unsafe to sample (i.e. steep slop		
	D Other		
Additional Commen			
		of Dro	ke Rd. Ask permission to
walk thro	ugh someone's	yard. 1	Le Rd. Ask permission to Plot is across the stream
I FUNS	· Through private	yards.	

Minimum required fields in Bold and Underlined TAXONOMIC STANDARD TAXONOMIC ACCURACY SAMPLING QUALITY* PLOT NOT SAMPLED: CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet GENERAL INFORMATION /ascul chen Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. lot No.: roject Name: OMS2013 roject Label: PCAP Accurate Very thorough hate (mm/dd/yyyy): 07 / 02/ 2013 Many, many monocots nd date (if > 1 day): Lance Schrautnagel Bt. 18th. Level 4 (no nested corners sampled) Level 5 (nested corners sampled) modera. may still provide good how much effort put into sampling. Hurried plots subjective evaluation of Pub Date: Plot leader Bot. Asst Dot-Tech low o Other not smp 1998 Photo Nos.: 375 Camera No.: □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Plot placement: & GRT'S GPS File Name: 337 GPS location in plot x=0 to 5, y=-1,0,+1) Source of coordinates

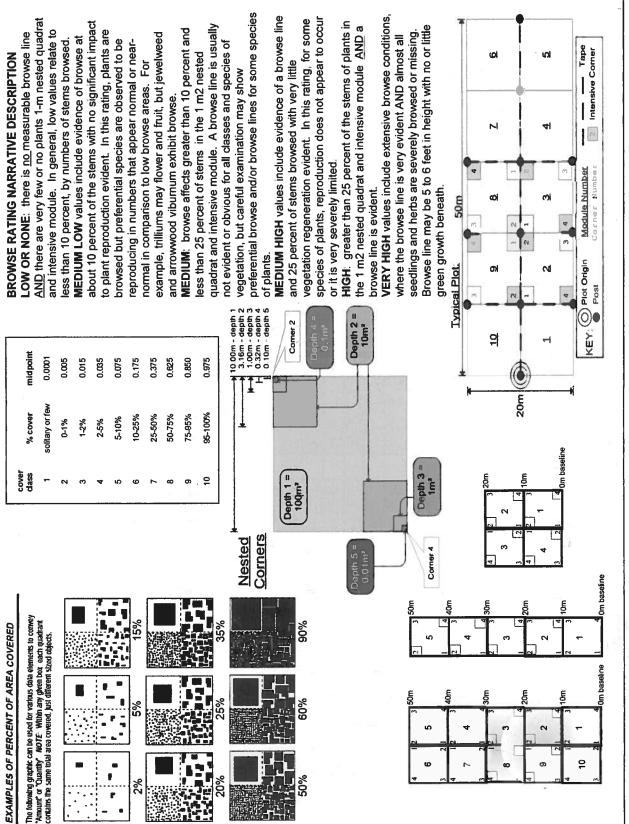
MAP Check one: & Public data Drivate Data □ Systematic (grid) □ Capture specific feature □ Other ■ Lat/Long □ UTM □ StatePlane Reason: Intensive modules: 2, 3, 8/9 1, Datum: ■ NAD83/WGS84 □ NAD27 Coordinate system: If data not public why? Data Confidentiality: Quadrangle: Random D Stratified Random D Transect component Coord. Accuracy: atitude: Other (specify) LOCATION *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide 7 ocal Place Names andowner Cleveland Metroparks НО X-axis Bearing of plot: (base of plot x=0, y=0) County: Luyahpga ■ deg 🗆 deg min Representative Coord. Units 5 (EDIT IF MODIFIED (hectares plot. Shagbark hickory dominates the second of third modules: while slippery Vegetation Characteristics - A wide dominants, strata, BROWSE). Additional notes in space on back. content), Rationale (why here), and Veg Characterization (description of community NOTES: Include Layout (any unusual shape details). Location (directions and landscape Diagram Plot origin SpS location photo taken, Key: (0.0) point point with direction Rationale-GRTS point You will have to cross a creek. Plot is on top of a hill, 女=GRTS point Location - Park in Front of 17465 Parkside Dr. (off of Druke Rd.) Walk Layout - 1×5 #1 3 4 12 ŧ Page 1 of 2 (Chentand Mainte location of permanent posts OVER ち

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	munity Assessment Prog	ram - Backgroui	nd Data She	# ¢		7 2	(Clurclund Muinumho
Project Label:	PCAP	Project Name:	Project Name: (\$ 1115 801)		Plot No.:	Plot No.: 227	Page 2 of 2
MODIFIED NATURESERVE CLASS*	-		DISTURBANCES	INCES			
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Thomogeneous Compositional tr	□ Compositional trend across the plot		Current Land Use:	-			
Conspicuous inclusions contragular/pattern mosaic	mosaic	1	Former Land Use:	- H	nKacus		
	HYDROLOGIC REGIME*	E*	3				
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SALINITY*	☐ Intermittently/seasonally saturated		□ Semipermanently flooded	papo			
D Saltwater	(seldom flooded)	□ Perm	□ Permanently flooded				
a Brackish	D Permanently/Semipermanent, saturated		☐ Tidal/Seiche flooded daily	daily			
n Fresh	(dry <1/yr, seldom flooded)	□ Tidal	□ Tidal/Seiche flooded monthly	monthly			
Topland (n/a)	□ Occasionally flooded (<1/yr)	□ Tidal	□ Tidal/Seiche flooded irregular	irregular			
	□ Temporarily flooded	(e.g	(e.g. wind, storms)				
(by default unless plot is a wetland)		□ Unknown	IOWII				
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	ss of plot to the stand, successions	al status, maturity, et	3				
elm and white pin	t are common	in mod	des 4	5	Ther	is also a	n abundanc
of hawthorn in the	shrub layer	; Glossy	MA DE	acktho	۶. آگ ^ن	taking or	wer module
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the trees are in good & condition today.	& condition	Today		}	•	S	() () () () () () () () () ()
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Strata - Cov. entire plot Cleveland Metroparks Total modules: E 5 S H (F)(A) Br Franciula alnus traxious sp KLibustrum vulgare Rubus alleghaniensis Asteracea sp Kosa multitloca Dimens Carota Miletolium Acthenocissus quinquetolia parkelinery monocol Cary L Aprid Vol pice Heer sp. Batentilla sp. Carya ovata Linking win monacat seersia Virginica Anknown dicot #1 LINKING MONOCOT PORTING arpinus carolinius a de ranica difficinalis Br = Browse Level. Use cover classes to describe amount of browse per species over 11055 50 rataegous xalis stricta arux sp. OCX SP umus hustrix Seedling Species entire plot Sinus tonuis # - F ဂ Intensive modules: %unveg. ground (bare soil) Estimate for each %unvegetated open water intensive module: F3-63 %unveg. litter (bare litter) 15 ACL035 ACL 030 ACL034 Set 17 12-12 ACL 032 ACL 033 Voucher # %open water R 1 t depth E 3 工 ş Š 0 depth depth mod 1 Plot configuration: S) comer ş 800 रु S D 232 S Plot no.: 1337 2 0 0 cov depth 25 mod R) 2 S 1×5 کن come ş 8 depth depth نع r ىع ىر mod نورو ىد S cov depth ş 工 O ū <u>ى</u> depth we യ mod Dom t 2 Plot area (ha): ğ 900 5 depth depth C d. 2 Page _ د エナ نو cov | depth cov | depth 6 تعرو * , 05 0 mod r ا پر اندا comer ري थ 2 8 8 depth depth mod D ş ş

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

Natural Resource Management FORM NR/2010-02a



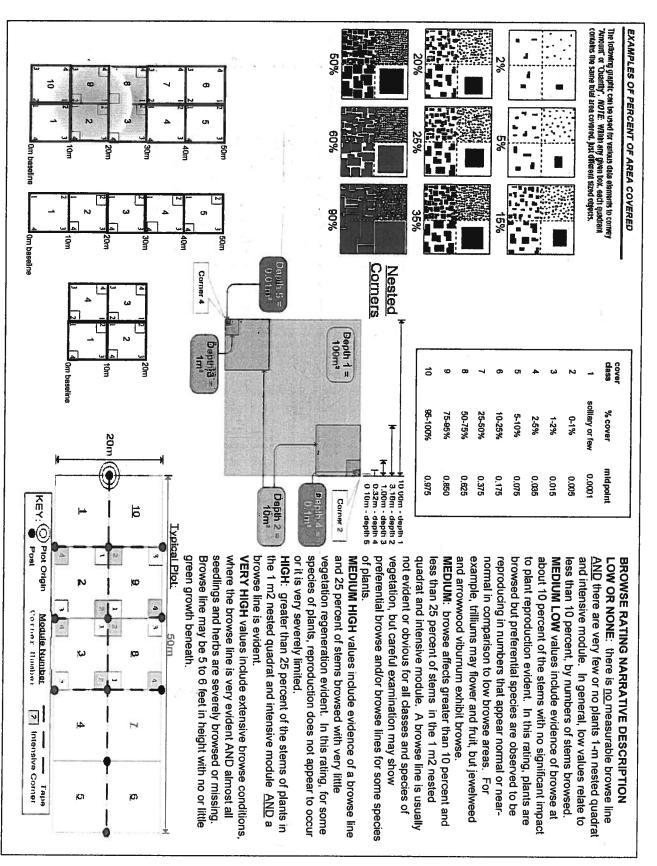
2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

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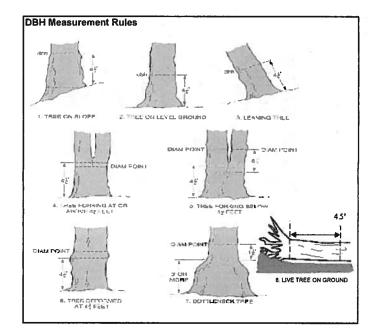
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CLEVELAND ME	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet	ent Program Species Co	vor Data Sheet		Pag	Page 7 of 3
Prolect Label:	PCAP	Project name: (3) MS		Plot no 1327	į	
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		Explain subsample (additional room on back):	back):	2										-	:		
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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 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.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- 3. Dleback: 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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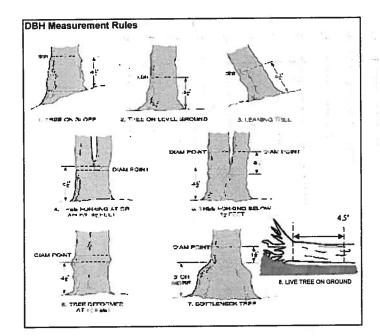
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ASH CANOPY BREAKUP CONDITION (for dead trees):

(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.

Hard State	Project Label: Post Label: Pos	l: PCAP on back):	•	Project N	Project Name: 01MS2013	NO354	ı	Plot No.: 1327	1327		Page:	2	લ ! ક	Of Cleveland Metroparks
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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 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.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered.
- 4. >50% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
- 5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



В

С

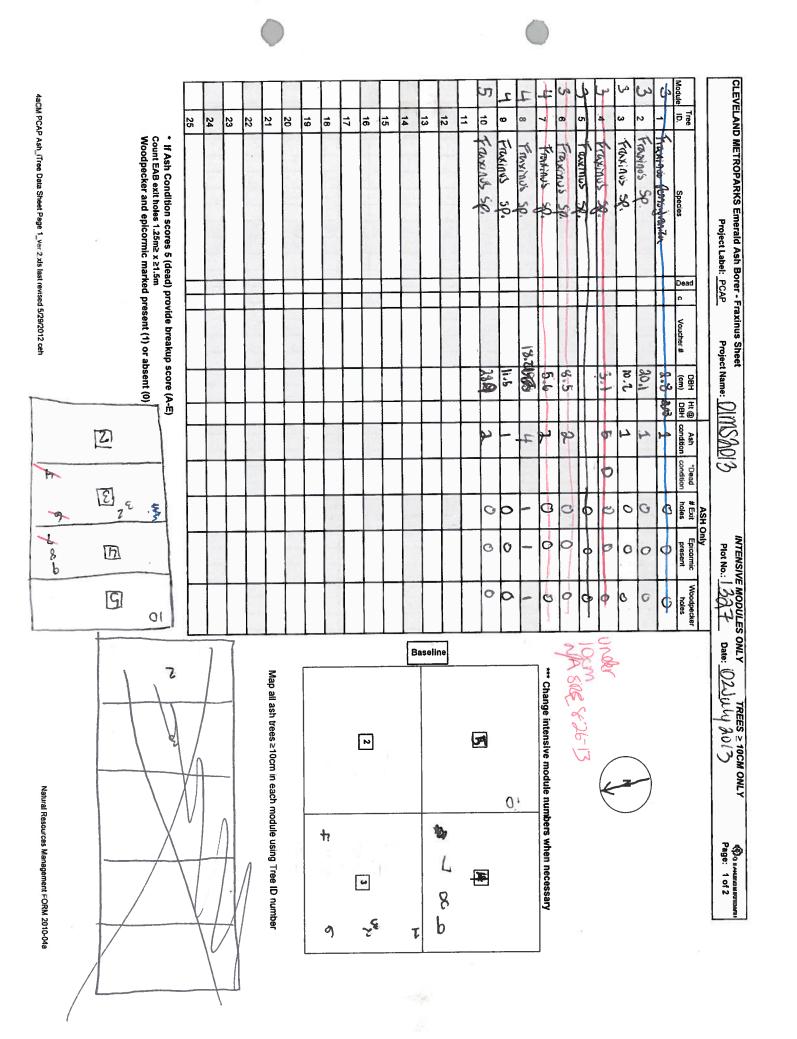
D

Е

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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



CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection	Rapid response		Pre	sence		GPS	
		NE	SE	sw	NW		Presence
Microstegium vimineum	Japanese stiltgrass	\top					X: yes
Ranunculus ficaria	Lesser Celandine						1
The state of the s	Black Swallow-wort			1		· · · · · · · · · · · · · · · · · · ·	7
·	Flowering Rush					C-01/100 - 11/	1
Heracleum mantegazzianum	Giant Hogweed						1
Tier 2: Assess a	ACCURATE STATE OF THE STATE OF		# of	Plants		comments	
		NE	SE	Isw	NW		# of Plants
Acer platanoides	Norway Mapie						1: 1-10
Ailanthus altissima	Tree of Heaven		1				2: 11-50.
Lonicera japonica (vine)	Japanese Honeysuckle	1	\top	\top			3: 51-100
ythrum salicaria (wetland)	Purple Loosestrife						4: 101-1,000
Aegopodium podagraria (G-cover)	Bishop's Goutweed	1		1			5: >1,000
Celastrus orbiculatus (vine)	Asian Bittersweet	-	\top	1			1 101 1 1,000
Torilis sp.	Hedgeparsley	\neg	+				1
Conium maculatum	Poison Hemlock	1		1			1
Rhamnus cathartica	Common Buckthorn (shru	b)	1-	1			1
Berberis thunbergii	Japanese Barberry (shru			1		SRF 11-27-13	1
Alnus glutinosa	European Alder	-/ -		+		UNLIL ATTIO	1
Dipsacus laciniatus	Cut-leaf Teasel	\dashv	 	+			
Elaeagnus umbellata	Autumn Olive (shru	<u>, </u>		+			1
onicera maackii	Amur Honeysuckle (shru		+-	+-			1
Euonymus fortunei	Wintercreeper	3/1	_	+			1
Tier 3: Presence is		58 200	# of	Plants		comments	
Her J. Fresence i.	o or interest	NE	SE	SW	NW	Commence	# of Plants
Convallaria majalis (G-cover)	Lily of the Valley	IVL	72	344	1000		1: 1-10
	Crown Vetch			+			2: 11-50.
Eleutherococcus pentaphyllus	Five-leaf Aralia (shru	2)	+	+			3: 51-100
	Japanese Pachysandra	" 		+			4: 101-1,000
Philadelphus coronarius	Mock Orange (shru	h	+	+			5: >1,000
Pulmonaria officinalis (G-cover)		5/ -	+	+-			3. >1,000
Rubus phoenicolasius	Wineberry			+		· · · · · · · · · · · · · · · · · · ·	-
	Yellow Flag Iris			+-			-
Ornithogalum umbellatum	Star of Bethlehem	+		+	-		
Viburnum opulus var. opulus	European Cranberry (shrul	,+	1	+		CAF 11-27-13	1
	Doublefile Viburnum (shrul		++	+		1 + 1 - x + - 13	1
Viburnum plicatum Tier 4: Widespread		11	Dro	sence		comments	1
Tiel 4. Widespieau	and abundant	NE	SE	sw	NW	Comments	# of Plants
Alliaria natiolata	Garlie Mustard	INE	J.E	244	14 44		1: 1-10
Alliaria petiolata	Garlic Mustard Common Privet (shrub	, 	7 1.	2	-		2: 11-50.
Ligustrum vulgare L. morrowii, L. tatarica			+	d			3: 51-100
L. morrowii, L. tatarica Phalaris arundinacea	Bush Honeysuckles (shrul	<u>" -</u>	+	-			4: 101-1,000
	Reed Canarygrass	+-	+-	+	+		5: >1,000
Phragmites australis (wetland)	Phragmites	+-	-		-		[2: >1'000
Polygonum cuspidatum	Japanese Knotweed	1 /2	10	1/2	5		1
Frangula alnus	Glossy Buckthorn (shrub	13	3	5	>		1
Rosa multiflora	Multiflora Rose (shrub	7 7	2.0	Ψ 3			1
Typha angustifolia, T. x.glauca	Cattails (wetland)	+	+	\vdash			4
Cirsium arvense	Canada thistle			-			4
Dipsacus fullonum	Common Teasel	-					1
Hesperis matronalis	Dame's Rocket	025					-
Vinca minor (G-cover)	Periwinkle						J

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

CLEVELAND METROPARI Project Label:	PCAP	nmunit Pr	y Assessm oject Name:	Project Name: QMX 80/2	CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: QMS 80 / 5
STANDING BIOMASS (required for emergent wedlender collected	ired for emergen	welland	let collected	,	
in 0.1m clip plots (32x32 cm) from corners 1 and 3 m each intensive module. Required for VIBI-E score calculation. C'acheck when	rom corners I and score calculation. (in each	intensive	•	
collected					CLASSIFICATION
Module #	C?	Comer Comer	Comer	2	(FIT = excellent, g Fit and Confidence
					Hydrogeomorphic class (WETLANDS ONLY):
				0.	DEPRESSION
					a IMPOUNDMENT a Beaver a Human

Plot No.:

(Cleveland Metroparts Page: 1 of 1

McNAB INDICES (degrees) + for up - for down [FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]

+45 degrees At aspect

NE.

LFI is angle of plot to the horizon TSI is angles formed by local stopes. For TSI measure angle from recorders eye to eye of person standing - 10 m

away.

CLASSIFICATION			
HII = excellent, g Fit and Confidence			
Hydrogeomorphic class (WETLANDS ONLY):		4	
DEPRESSION	F	Conf	
IMPOUNDMENT o Beaver o Human	F	Conf=	
RIVERINE u Headwater u Mainstem u Channel	E	Conf-	
3 SLOPE (ground water hydrology or on a physical slop)	3	Conf=	
FRINGING a Reservoir a Natural Lake	₹ 	Conf	
COASTAL (specify subclass)	F	Conf=	Eq
BOG (strongly moderately, weekly ombrotrophic)	Fit	Conf-	
Obio EPA VIBI Plant Community Class (WETLANDS ONLY):	CATING		
a FOREST □ swamp forest □ bog forest ロ forest seep	Fi	Conf=	
EMERGENT o marsh of wet meadow of open bog	<u> </u>	Conf=	
SHRUB a shrub swamp a tall sh. bog a tall sh. fen	File	Conf≃	

Module #	S	Comer Comer	Comer		(Fit = excellent g Fit and Confidence		
					Hydrogeomorphic class (WETLANDS ONLY):	2	
					a DEPRESSION Fire Co.	Conf-	
					IMPOUNDMENT to Beaver to Human Fit Co.	Conf=	
8 W 8 *	35 W 0.5		5	000000000000000000000000000000000000000	0.8	Conf	
				-	□ SLOPE (ground water hydrology or on a physical step) Fit Co	Conf=	
					o FRINGING o Reservoir o Natural Lake Fit Co	Conf=	†
						Conf	- 4
					ļ	Conf-	
					Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):		
	¥.				□ FOREST□ swamp forest □ bog forest □ forest seep □ EMERGENT□ marsh □ wet meadow □ open bog Fi= Cou	Conf=	-
MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only	FEATURE COUR	ITS - Int	lensive m	odules only	o SHRUB a shrub swamp a tall sh. bog a tall sh. fen File Cou	Conf≔	
Ranks for microhabitat features. Select one or select Slope 1 = sight elevational grade across module (titi)	. Select one or select	two and a	sverage the	score.NOTE: If mod falls on a Slope 2 = falls on slope ~20°	Ranks for microhabital features. Select one or select two and everage the score.NOTE: If mod falls on a slope automatically gets ranked based on steepness (1-3) to begin + any features present Slope 1 = sight elevational grade across module (NII) Slope 2 = falls on slope -20° Slope 3 = maximum steepness that can be safely sampled -45°	ny features presen	
0 feature is absent or functionally absent from the wettand	ally absent from the w	etland					
3 feature is present in the wettand in very small amounts or if more common, of low quality	and in very small amo	unts or if	тоге сопт	on, of low quality			_

	•	es present						100		
CROWN COVI			** Terrain Shape Index	* Landform Index (position within landscape)	+315 degrees	+270 degrees	+225 degrees	+180 degrees	+135 degrees	+90 degrees
CROWN COVER (DENSIOMETER) Make 4 readings per module facing N. S. E. W. Place dot cou			** Terrain Shape Index (site microtopographic shape)	ion within landscape)	WW	¥	SW	s	SE	Е
Make 4			pe)							

200	000 643 88		no. of lussocks depth 3	no of hummocks uplands (Tip-Ups) depth 2 3.16x3.16m	no. macro. depressions depth 1 10x10m (count)	c.w.d cour c.w.d (2-12 cm) depth 1 10x10m (count)	depth 1 10x10m (count)	5	c.w d >40 cm depth 1 10x10m (count)	c.w.d count for pieces with minimum 1m length c.w.d c.w.d c.w.d microhab. -12 cm) (12-40cm) >40 cm interspers. lepth 1 depth 1 depth 1 depth 1 bx10m 10x10m 10x10m 10x10m count) (count) (count) (rank)
000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Count	O (count)	(count)	(count)	count)	-	(count)	nt)
000	00		o	0	S	60	3	_	3	
0 0 6 28 0	0 0 6 28 0	H	G	O	7	di	-	_	3	<u>ن</u>
		-	0	0	ଚ	8	0	+	0	7

corresonding space (4 dots per grid square)

10 feature is present in moderate or greater amounts and of highest quality

feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality

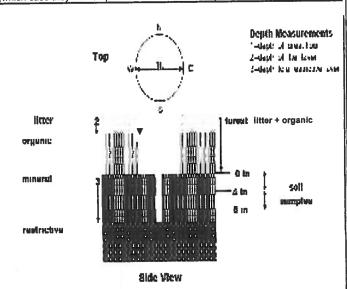
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COVER BY STRATA

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

^{***}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.



LOWER PENNSYLVANIAN		Pottsvil∳e Group*
~	Logan Formation*	Vinton Sandstone Member Allensville Conglomerate Member Byer Sandstone Member* Berne Conglomerate Member
MISSISSIPPIAN	Cuyahoga Formation*	numerous named members; Black Hand Sandstone Member is one of the more persistent units
		Sunbury Shale*
		Berea Sandstone*
		Bedford Shale*
×		Cleveland Member*
UPPER DEVONIAN	Ohio Shale	Chagrin Member*
5		Huron Member*

FIGURE 3-20.—Generalized section of Upper Devoman, Missenppian, 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 Mississippian and Pennsylvanian Periods of the US 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 missive sandstone that is fairly undespread but discontinuous. See Hyde (1935), Hoover (1980), and Colms 1979 for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

^{**}Can also include seedlings of shrubs, i.e. all shrubs <0.5m

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

Project label: PCAP Project Name: 0/1/15/3013

© Gleveland Metroparks

Page: 1 of 1

TRAIL INFORMATION: ecord type and cover for each

All Purpose

%Cover

SOIL F	SOIL PIT DESCRIPTION: Excavate 20 cm		
visual	visual exam, texture, and odor.	B	SOIL SAMPLES Standard procedure, collect a soil
Soil pit	Soil pit module # 2 (ode per entire plot)	37	intensive module and composite the sample
5 cm	matrix color 4/2 2,500	13	Soil Collection Moduld Horizon (A, B, C)
	mottle color & None		2,3,8,9 composited A
	%mottle ()		Web Soil Survey Information:
	oxid roots Y		Soil Series Type: 498 - Halnoning 51+ Loam
	texture*	27723	Soil Series Source: Ohio Soil Survey
	redox features** Y	8342645	Landform type: Till plains
	hydr. cond.*** ISMD		Depth to rest. Layer. Hove from 80 m. 101 c
20 cm	matrix color 2.57 5/6		Parent Material: Till
	mottle color NONE		DRAINAGE*
	%mortle		□ Excessively dr. □ Somewhat excessively
	oxid roots Y (N)		×
	redox features** Y N	ures: =	a Jonnewiai poorty or. U very poorty or.
		100	AB 715/13
	hydro. cond.*** IS(M)D		
· Afar to			SOIL DEPTH MEASUREMENT: Measure to the nearest
		132	record as >30
e.g. ny	e.g. hydrogen sulfide odor, gleying, etc.		THE REPORT OF THE PROPERTY OF

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	
(Sum - 100%)	percent	(Each ≤ 100%)	percent
Histosol	0	Coarse Woody Debris***	7%
Mineral Soil	100%	100% Fine Woody Debris****	5%
Gravel-Cobble*	0	Litter	3%
Boulder**	0	Duff (Ferm.+ Hunus)	0%
Bedrock	Ó	Bryophyte- Lichen	32
* Gravel-Cobble = 1/16-10*	= 1/16-10"	Water / %	1372
**Boulder = > 10 in	5	Bare Soil	i a %
*** >5 cm in diameter	neter	Road/Trail	Q
)

SEE BACK OF DESCRIPTION	** submersed,	* rooted and fic	(Aquatic)*	(Floating)*	Herb	Shrub	Tree	Strata	COVER BY STRATA estimate using midpoi
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY CO	** submersed, most plant mass below surface	* rooted and floating or slightly emersed		,	0 5	,5 . 5	. 5	Height Range (m)	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.	w surface	sed.			88%	43%	73 %	Total Cover (%)	,ex:3, 8, 13

1-3 x plot size 3-10 x plot size 10-100 x plot size

< plot size

the ground in soil

morms found in

رو

9 Ö,

depth (cm) 2 litter

depth sat soil (cm)

organic depth

water depth

I litter+ (cm)

COMP OMAT

O 9

736

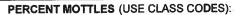
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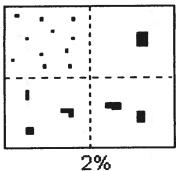
• e.g. hydrogen sulfide odor, gleying, etc.

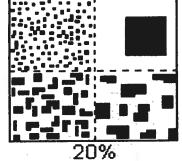
STAND SIZE	\$ \$ \ \$ \	
E 517c 517c	Deer 3	□ Bridle □ Hiking sanctioned □ Bootleg unsanctioned

20



Class	C	ode	Criteria: % of
	Conv.	NASIS	Surface Area Covered
Few	1	#	< 2
Common	c	#	2 to < 20
Many	m	#	≥ 20





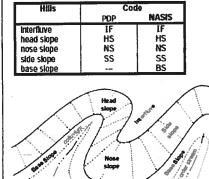
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but 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.

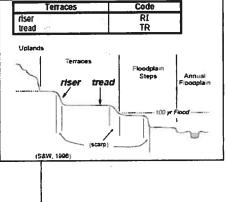
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

Position

shoulder

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.





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

Code

	backslope footslope toeslope	BS FS TS		
	Su Sh Bs		Sh Bs	Su
	,	Fs Ts Ts		
ı	(PJQ, 1996; acapted from Ruhe, 1	10.1		

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

UPLAND: Not a wetland. Very rarely flooded.

(PJS, 1998; adapted from Ruhe, 1975)

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.

	70																		
		ARC					RM B-1: BUFFE	RS	AMP	LE F	PLO	TS (F	Front)	- E4	Review	red by (I	nitial):_	N.Sc.	
B AA Center ON OS OE OW OPlot 1 OPlot 2												DAT	E: 07	100	1	20	1.	3_	
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, Saplings 5m HIGH)	0	(0	Ō	0		Mandy Charles Caulines		_		10		Woody Shru	bs, Saplings		<u> </u>	= + =		+
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Water	0	0	0	0	0				= =	+	0			Water	Ö	-			+
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		1907						-									-	_	-
if prese	ant - I	Plot	1	2	3	Flag	Fill bubble if present - Plot 1 2 3 Flag												Flag
vel			0	0	0		Design the same that the same to be a second	C	0	0		Pasture/Ha	ıy		(5 C	0		
lane	101113	14	0	0	0		Dike/Dam/Road/RR Bed (MMPEDE FLOW)				-		Range			_	_	+	
r lane			0	0	0			tructv	re C	0	0		Row Crops					+	
	ent		0	0	0		Excavation, Dredging			+	+		ROW CROP FIELD	Fallow Field (RECENT-RESTING ROW CROP FIELD)			_	\rightarrow	
e			0	0	0	<u> </u>	Fill/Spoil Banks	*!-mar		+	+		SHRUBS, TREES)				-	+	
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			+ +	_	_		Point Source/Pipe		_	_	+			-	ding		-		
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If prese	int - F	Plot	1	2	3	Flag	Fill bubble if present -	Plot	t 1	2	3	Flag	Fill bubbl	e if prese	nt - Pi	lot 1	2	3	Flag
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			0	0	0		Forest Selective Cut		0	0	0				N. II				
ce)			0	0	0		Tree Plantation		0	0	0		Trails						
rground)	,		0	0	0		Tree Canopy Herbivory (INSECT)	en la	0	0	0						+	0	
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Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	•	0	0	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	9	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
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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	
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Road - two lane			0	0	0		Ditches, Channelization Dike/Dam/Road/RR Bed (IMPEDE FLOW) Water Level Control Stru				0	0	0			Range			9	0	
Road - four lane			0	0	0					cture	-	0	0		Row Crops Fallow Field		FETING	0	0	0	
Parking Lot/Pave	ment		0	0	0		Excavation		ng		0	0	0		ROW CROP FIEL	D)		0		의	
Golf Course			0	0	0		Fill/Spoil Ba		Sedim	ent	10	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)			0	0	0	
Lawn/Park	-41-1	- to	0	0	0		(UNVEGETATI	ED)			0	0	0		Nursery			0	의	의	
Suburban Reside	11490		10	0	0		Soil Loss/R		OSure	-	0	0	0		Dairy			0		9	
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Oil Drilling	16		0	0	0		Forest Clear	Cut			0	0	0		Herbicide U	se		0	0	0	
Gas Wells	Time		0	0	0		Forest Selec	tive Cut	24		0	0	0		Mowing/Shr	rub Cutting		0	0	0	
Mine (surface)		TEY	0	0	0		Tree Plantat	ion	mg E		0	0	0		Trails			0	0	0	
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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	
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					2 /			RM B-1:	BUFF	ER	SA	MPL	E P	LO	TS (F	ront)		Review	wed by	(initial):	Щ	•
Site I	D: _f	PCF	API	MS	16	<u>32.</u>	7								DAT	E: 07	100	1	2	0 /	3		
Location	on:		A.		13				Fill	in b	ubt	le(s) if p	lot(uld not be							
OAAC	enter	C	N	•	S	01	E 0	W		Plot	_	_	Plot	_	14 - F (S)	Plot 3							
Fill in bubble Strata Section	s for all th on: Fill in a	nat app approp	ply: Ca oriate d	anopy cover	Type:	D = C	eciduou for eac	s; E = Evergre	Buffer en. Leaf T or each plo	vpe: E	3 = Br	oadlea	f: N =	Need	le Leaf.	Absent: No tree	e canopy. %); 3 = Hea	avy (40)-75%)	; 4 = \	/ery H	eavy ((>75%)
Buffer	Canopy	v Tvp	e: 4	() A	bsen	t: O	Buffer	Canop	v Tvr	ne: 6	() A	bsen	t: ()	Buffer	Canopy	/ Type	e: 🚳	@	ΔΕ	sent	
Plot 1		f Typ	$\overline{}$	6	↤		Flag	Plot 2	··	f Typ	_) (\leftarrow		Flag	Plot 3		f Type	$\overline{\mathbf{x}}$	(6)	_		Flag
Big Trees (>	0.3m DBH)	0	0	0	0	0	1	Big Trees (>	0.3m DBH)	0	0	0	0	0		Big Trees	(>0.3m DBH	0	O	0	0	0	· ·-ə
Small Trees (<	0.3m DBH)	0	0	0	9	0		Small Trees (<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH	0	0	0	0	0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)	0	0	0	0	0		Woody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0	0	0	0			ibs, Saplings m-5m HIGH)		•	0	0	0	
Woody Shrubs (<0.	, Saplings 5m HIGH)	0	0	0	0	0		Woody Shrubs (<0	s, Saplings .5m HIGH)	0	0	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0	0	0	0	0	
Herbs, F	orbs and Grasses	0	0	2	0	0		Herbs, F	orbs and Grasses	0	0	0	0	<u> </u>		Herbs,	Forbs and Grasses		0	0	0	0	
Bare	ground	0	0	0	0	0		Bare	ground	0	0	•	Ø	<u></u>		Bar	e ground	0	0	(6)	0	0	
Litt	er, duff	0	0	0	0	0		LI	iter, duff	0	0	0	0	<u> </u>		L	itter, duff	0		0	0	0	
	Rock	0	0	0	0	0			Rock	0	0	0	0	0			Rock	0	0	0	0	0	
	Water	(9)	0	0	0	0			Water	0	•	0	0	0			Water	(1)	0	0	0	0	
	bmerged egetation	0	0	0	0	0			bmerged egetation	0	(9)	0	0	0			Submerged Vegetation		0	0	0	0	
Stress	or Pres	sence	e/Ab	send	:e -	Confi	rm that	a filled data	bubble ii	ndica	tes p	resen	ce an	d an	unfilled	bubble indic	ates abse	ence I	by filli	ng thi	s but	ble.	0
Resid	dential	and	Urba	an S	tres	sors			Hydrolo	gy S	tres	sors					Agricult	ural a	& Ru	ral S	tres	sors	
Fill bubble	If prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fili bubble	If prese	nt - Pi	lot	1	2	3	Flag
Road - gra	vel			0	0	0		Ditches, Cl				0	0	0		Pasture/Ha	ıy			0	0	0	
Road - two	lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range				0	0	0	
Road - fou	r lane			0	0	0		Water Leve	el Contro	Str	icture	0	0	0		Row Crops		più i		0	0	0	
Parking Lo	t/Pavem	nent		0	0	0		Excavation	, Dredgir	ng		0	0	0		Fallow Field	0)		NG	0	0	의	
Golf Cours				0	0	0		Fill/Spoil B Freshly De		Sodin	nent	0	0	0	<u> </u>	Fallow Field SHRUBS, TRE		ASS,	-	0	0	0	
Lawn/Park	-	47 - 4		0	0	0	. Y	(UNVEGETAT	ED)			10	0	0	<u> </u>	Nursery			-	의	0	0	
Suburban		tiai		0	0	0	-	Soil Loss/F		JSure		0	0	0	-	Dairy Orchard				의	읫	의	
Urban/Mult	шапшу	157119	1.4	0	0	0		Wall/Ripra				0	0	0	-	Confined A	nimal For	dina	-	읫	0	0	-
Dumping				0	0	0		Point Soun	ce/Pipe			0	0	0	-	Rural Resid		Jung	\dashv	0	ö	0	
Trash				0	•	Ö	-	(EFFLUENT O	surface			0	0	0	\vdash	Gravel Pit			\dashv	ö	0	0	
Other:				0	0	0		Other:				0	0	ō		Irrigation				ŏ	Ö	ŏ	
Other:				0	0	0		Other:				0	0	O		Other:				0	ō	Ö	
Indus	strial D	evel	opm	ent S	Stres	son	3	THUM:				1			egeta	tion Stress							
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Oil Drilling				0	0	0		Forest Clear	r Cut		t mil	0	0	0		Herbicide U	se			0	0	0	
Gas Wells				0	0	0		Forest Selec	ctive Cut	24		0	0	0		Mowing/Shr	ub Cutting	9		0	0	0	
Mine (surfa	ice)			0	0	0		Tree Plantat	tion			0	0	0		Trails				0	0	0	
Mine (unde	erground)		0	0	0		Tree Canop	y Herbivo	ory		0	0	0		Soil Compa				0	0	0	
Military	1			0	0	0		Shrub Layer (WILD OR DOM	Browsed	t		1	0	•		Offroad veh		ge		0	0	0	
Other:				0	0	0		Highly Graze	ed Grass	es		0	0	0		Soil erosion OR OVERUSE)	•	D, WA	TER,	0	0	0	
Other:				0	0	0		Recently Bu Canopy		est		0	0	0		Other:				0	0	0	
Other:				0	0	0		Recently Bu	rned Gra	sslar	nd	0	0	0		Other:				0	o	Ŏ	
Fla	g codes:	K = N	io me	-		made	, U = S	uspect measu				= mls	c. flag	s ass	Igned b	y each field cr	ew.		2428	160			
Bu	iffer San	nple f	Plots	05	/27/2		ain ail fi	ags in comm	ent sectio	n on 1	ine ba	ck of	this fo	m				1 310	-720		204		

Site ID:					ER SAMPLE PLOTS -					Reviewed by	(initial):		•
Site ID:	PU	<i>H</i>	7//	0/4	<u> </u>	DAI	7	۲. ر		0.21.20.1.3				
Confirm	a fille	d da	ta bu	ıbble l	ndicates presence and an unf	illed I	bubbi	e Ind	licates	absence by filling in this bubb	ole			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		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	•	•	
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 O O O Cheatgrass O O O Tamarisk C												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	
		1								Other:	0	0	0	
	3				PLOT COOR	DINA	TES	3				¥5.40		-
Location of coordinat O AA CENTER O N Latitude	13	V S	3	O E3	O W3 O Nearest pra				on (fla	g and comment below)	. 5		FI	ag
		_		<u> </u>	Use Decimal Deg	rees	; NAI	D83						
Flag Comments	3													
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		H								79	6662	2354	18	

05/27/2011

Buffer Sample Points - Targeted Alien Species

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		7- //	2Ω 1/2	146		_		RM B-1:	BUFF	ER	SAI	MPL	E P	LOT					ved by			_	•
	D: <u> </u>	CF.	IPY.	15	130	17	_						•	1 11		07							
Location				_		•	- ~						100			ild not be	sample	ed a	nd fl	ag -	→		
OAAC	enter		N	0	5	0		W	Buffer	lot 1			Plot			Plot 3						L	
								s; E = Evergre	en. Leaf T	ype: B	= Bn	oadlea	f; N = I	Needle	e Leaf. /	Absent: No tree oderate(10-40		vy (40	-75%);	; 4 = V	'ery H	eavy (>75%)
Buffer	Canop	у Тур	e: () () AI	bsen	t: O	Buffer	Canopy	/ Тур	e: () () Al	osent	: O	Buffer	Canopy	Туре	e: 🚱	(At	sent	: O
Plot 1	Lea	f Typ	e: 🛭) (Flag	Plot 2	Lea	f Тур	e: (/) (Flag	Plot 3	Leaf	Туре	: 🕢	0	Ц,		Flag
Big Trees (>	0.3m DBH)	0		0	0	0		Big Trees (-0.3m DBH)	•	0	0	<u> </u>	<u>O</u>		Big Trees	(>0.3m DBH)	0	(4)	0	0	0	
Small Trees (<		0	0	3	0	0		Small Trees (0	•	0	<u> </u>	<u>O</u>		Small Trees	<u> </u>	\vdash	(4)	0	0	0	
	5m HIGH)	0	0	9	0	0			1-5m HIGH)	0		0	0	0		(0.5	ibs, Saplings im-5m HIGH)	0	0	9	夏	0	
	5m HIGH)			0	0	0		Woody Shrub (<0	s, Saplings).5m HIGH)	0	0	0		0			bs, Saplings <0.5m HIGH)	0	0	0		0	
	orbs and Grasses	0	0		0	0		Herbs,	Forbs and Grasses	0	0		0	0		Herbs,	Forbs and Grasses	0	0	0		0	
Bare	ground	0	@	0	0	0		Bare	ground	(a)	0	0	0	0		Bar	e ground	0	@	0	0	0	
Litt	ter, duff	0	0		0	0		Li	tter, duff	0	0	0	@	0		L	itter, duff	0	9	0	0	0	
	Rock	0	(4)	0	0	0			Rock	@	0	0	0	0			Rock	(1)	Ó	0	0	0	-
	Water		0	0	0	0			Water	(4)	0	0	Ō	0			Water	0	0	@	0	O	
	ibmerged egetation		0	0	0	0			ubmerged /egetation	(4)	0	0	0	0			Submerged Vegetation	(4)	0	0	0	0	
				send	_	Confi	irm that				tes p	resen	ce an	d an	unfilled	bubble indic			by filli		s but	ble.	(3)
Resi	dential	and	Urba	an S	tress	sors			Hydrolo	av S	tres	sors				84-1	Agricult	ural 8	& Ru	ral S	tres	sors	
Fill bubble				1	2	3	Flag	Fill bubble				1	2	3	Flag	Fili bubble				1	2	3	Flag
Road - gra	Lecie Val			0	0	0		Ditches, C				0	0	0		Pasture/Ha				0	0	0	7.
Road - two				0	0	0		Dike/Dam/	Road/RR		A CO	0	0	0		Range	ıy		-	0	0	0	
Road - fou				0	0	0		Water Lev		Stru	cture	-	0	0		Row Crops				0	0	0	
Parking Lo		nent		0	0	0	-	Excavation				ŏ	0	0		Fallow Field	d (RECENT-	RESTIN	NG	ŏ	ŏ	0	
Golf Cours		e v		0	0	0	-	Fill/Spoil B				0	0	0		Fallow Field	d (OLD - GR	ASS,		ŏ	ŏ	Ö	
Lawn/Park	(0	0	0		Freshly De		edim	ent	0	0	0		SHRUBS, TRE Nursery	ES)			0	0	o	
Suburban	Residen	itial		0	0	0		Soil Loss/	The state of the s	sure		O	0	0		Dairy				Ö	Ö	Ö	
Urban/Mul	tifamily			0	0	0	,	Wall/Ripra	р	R E		0	0	Ō		Orchard			1	o	0	Ö	
Landfill	Maril I	No.		0	0	0		Inlets, Out	lets			0	0	0		Confined A	nimal Fee	ding		o	o	0	
Dumping	1			0	0	0		Point Sour	ce/Pipe	VATER	1	0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOV	surface			0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation			Ш	0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:				0	0	0	
Indu	strial D	evel	opm	ent S	Stres	son	8		I GOVE	1.1111		I	labit	at/V	egeta	tion Stress	sors						
Fili bubble	If pres	ent - I	Plot	1	2	3	Flag	Fili bubble	if presei	nt - F	Plot	1	2	3	Flag	Fili bubb	le if prese	ent - I	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		m s		0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cutting	,		0	0	0	
Mine (surfa	ace)			0	0	0		Tree Planta	tion			0	0	0		Trails				0	0	0	T
Mine (unde	erground	1)		0	0	0		Tree Canop		ory	l più	0	0	0		Soil Compa (ANIMAL OR H		7 7		0	0	0	\overline{I}
Military				0	0	Ö		Shrub Laye		d		0	0	0		Offroad veh		ne .		ö	Ö	0	
Other:				0) (0		WILD OR DON Highly Graz	ed Grass	es		0	0	0		Soil erosion	(FROM WIN	_	TER,	ŏ	0	0	\dashv
Other:			-	-		0		Recently Bu		est	10			0		OR OVERUSE Other:				-+	-	5	
			-	0	0	\vdash		Canopy Recently Bu	ırned Gra	sslan	nd	0	0	-						의	의	10000	
Other:	a padas	K = 1	- do	0	0	0		(BLACKENED)				0	O	0	anad t	Other:				0	O	0	
	ag codes: uffer San					Exp		lags in comm							Aliea p	y each field ci	₹₩.	2	2428	168	304		

Confirm	a fille	d da	ta bı	ibble ir	ndicates presence and an unf	illed I	oubbl	e Inc	licates	absence by filling in this bub	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	0		Multiflora Rose	0	9	•	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	•	0	1	
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	Ī	Leafy Spurge	0	0	0		Other:	0	0	0	
								Į.		Other:	0	0	0	
					PLOT COORI	DINA	TES						Ella.	
Plots are centered on the Bui flag box, and describe where	ffer Ti the c cente	ranse oordi r of P	nate: Plot 3	and the s were as pos	coordinates will indicate the loc	ation sectio	of the	tran	sect. Fi	TRANSECT. This is important If in the "nearest practicable located rdinates of the nearest practical management of the	ation"	bubb	le, fil	l in the
Plots are centered on the Buriflag box, and describe where either placed as close to the Location of coordinate O AA CENTER O N	ffer Ti the c cente	ranse oordi r of P hoos	ects a nate: Plot 3 se o:	ne):	coordinates will indicate the loc taken and why in the comment sible or at the center of the last	ation section acce ctical	of the n belossible	tran ow. T Buff catio	sect. Fine coolier Plot.	If in the "nearest practicable location in the "nearest practical practical in the interest prac	ation" ble loc	bubb	le, fil can	l in the
Plots are centered on the Buriflag box, and describe where either placed as close to the Location of coordinate O AA CENTER O N	ffer Ti the c cente	ranse oordi r of P hoos	ects a nate: Plot 3 se o:	ne):	coordinates will indicate the locate the and why in the comment is ible or at the center of the last O W3 O Nearest pra	ation section acce ctical	of the n belossible	tran ow. T Buff catio	sect. Fine coolier Plot.	If in the "nearest practicable locardinates of the nearest practicate and comment below)	ation" ble loc	bubb	le, fil can	l in the
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Plots are centered on the Buriflag box, and describe where either placed as close to the Location of coordinate O AA CENTER O N Latitude I	ffer Tr the c cente s (c 3	hoose A	ects a nate: Plot 3 se o:	ne):	coordinates will indicate the locate the and why in the comment is ible or at the center of the last O W3 O Nearest pra	ation section acce ctical	of the n belossible	tran ow. T Buff catio	sect. Fine coolier Plot.	If in the "nearest practicable locardinates of the nearest practicate and comment below)	ation" ble loc	bubb	le, fil can	l in the
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05/27/2011

Buffer Sample Points - Targeted Alien Species

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nall Trees (<	<0.3m DBH)	0	0	0	0	<u> </u>		Small Trees (1	0			<u> </u>			(<0.3m DBH) ubs, Saplings	$\frac{\Theta}{\Box}$	읫	- +	_	=+	_
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oody Shrub: (<0)	s, Saplings).5m HIGH)	0	•	0	0	<u> </u>		,).5m HIGH)	0	0	-	=	<u> </u>		. (<0.5m HIGH)	<u> </u>	읫		_	<u> </u>	
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	ubmerged		0	0	0	0			ubmerged Vegetation	0	0	0	0	<u>ا</u> ت			Submerged Vegetation		0	0	0	<u> </u>	
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	idential								Hydrolo								Agricultu	ıral	& Ru	ral S	ress	ors	
Fill bubbl		-		1	2	3	Flag	Fill bubb	e if pres	ent -	Plot	1	2	3	Flag	Fili bubb	le if preser	ıt - P	lot	1	2	3	Flag
Road - gi	-			0	0	0		Ditches, (Channellz	ation		0	0	0		Pasture/H	lay			0	0	이	
Road - tv	_	AUN.		0	0	0		Dike/Dam		R Be	d	0	0	0		Range		16		0	0	0	
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Parking l		ment		0	0	0		Excavation	n, Dredg	ing		0	0	0	6	ROW CROP FI			ING	0	-	0	
Golf Cou			-55	0	0	0		Fill/Spoil	The State of			0	0	0		Fallow Fit SHRUBS, TI	eld (OLD - GR REES)	ASS,		0	-	이	
Lawn/Pa	rk	TV.		0	0	0		Freshly D		Sedi	ment	0	0	0		Nursery	10			0		의	
Suburba	n Reside	ntial		0	0	0		Soil Loss	/Root Exp	posu	e	0	0	0		Dairy				0	0	의	
Urban/M	ultifamily			0	0	0		Wall/Ripr	ар			0	0	0		Orchard		11		0	0	의	
Landfill	PER PE	R. H	14/711	0	0	0		Inlets, Ou				0	0	0			Animal Fe	eding)	0		의	
Dumping				0	0	0		Point Sou (EFFLUENT	OR STORM	IWAT	ER)	0	0	0		Rural Re				0		의	
Trash				0	0	0		(SHEETFLC	us sunac (W)	e inp	UL	0	0	0		Gravel P				0	의	의	
Other:				0	0	0		Other:				- 0	0	0		Irrigation		_		0			
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Fili bubb	ole if pre	sent	- Plot	1	2	3	Flag	Fill bubb	le If pres	ent -	Plot	1	2	3	Flag	Fill bul	bble if pres	ent	- Plot	1	2	3	Flag
Oil Drillin	ng			0	0	0		Forest Cle	ear Cut	377	2 0	0	0	0		Herbicide	Use			0	0	0	
Gas We	ells			0	0	0		Forest Se	lective C	ut		0	0	0		Mowing/S	Shrub Cuttir	ng		0	0	0	
Mine (su	urface)			C		0		Tree Plan	tation	W.	3, 1	0	0	0		Trails				0	0	0	
	ndergrou	nd)		C		0		Tree Can	opy Herb	vory		0	0	0		Soil Com	paction R HUMAN)		1	0	0	0	
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	-		-	0	+	+	-	(WILD OR D Highly Gr	azed Gra	sses		0	0	0		Soil eros	on (FROM W	IND, V	VATER	0	0	0	
	12			0	_	1		Recently		ores		0	0	0		Other:				0	0	0	
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Other:		-		C			1	(BLACKENE Suspect me	D)						signed	_	d crew.		0.44	2816		_	
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					ER SAMPLE PLOTS -					Reviewed to	y (initia	il):		
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© Confirm	a fill	ed da	ata b	ubble i	ndicates presence and an uni	filled	bubb	le ind	dicates	absence by filling in this bub	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	0		Multiflora Rose	•	0	•	
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	छ	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	Oran III
						7		15		Other:	0	0	0	
					PLOT COORI	DINA	TES		, WELL					
O AA CENTER O N				O E3						and comment below)	0.			
					Use Decimal Degr	ees;	NAD	83				111		
Flag Comments														
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Buffer Sample Po	ints -	Targ	eted	Alien S	pecies 05/27/2011					796	6623	548	(D