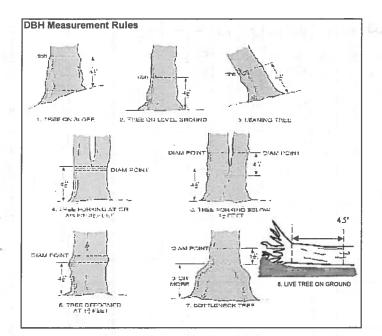
CLEVELAND MET	ROPARKS Plant Community Assess	ment Pr	ogram:	Quality Control Form
Project Label:	PCAP	_ 1	Plot No	Date Sampled: 08/02/17 Lead: M. Boot
				Comment required if item answer is NO
Parking/Access outsid	e of Park Boundaries:	Y	(A)	If yes, write details in Comments section below
Field journals complet	ed	Y	N	
Site sketch made on 1:	3000 map?	(3)	N	
Check cover page	X-axis Bearing of plot recorded	<u>Ø</u>	N	
	GPS coords. Recorded	Q	N	
	North direction recorded	(v)	N	
	Photographs taken?	(Q)	N	
Plot No., Date agreem	ent on all pages?	(D)	N	
Header data completed	i all pages?	Ŷ	N	
Cover classes recorded	l in all Intensive modules	(3)	N	
Browse Level By Spec	cies	Ø	N	No bouse Faul
Woody stem quality co	ontrol check	(9)	N	
Invasive plant quality	control check	Ŷ	N	
Ash trees mapped		②	N	
Cover by Strata? (conf	īrm cover type)	③	N	
Soil samples collected	with matching plot #.	φ	N	1000
Vouchers labeled on d	atasheet with initials and number	(Q)	N	No Voidus Collected
Vouchers labeled on co	ollection bag	Ġ	N	NO VOUCHUS ONCERE
Pink flags removed		(Q)	N	
Data sheet QA before	leaving site?	(N	
Common equipment re	eturned to tub.	Q	N	
Data sheets scanned?				Enter date to left 8/3/12 SC
Final data sheets scann	ed?			Enter date to left
Buffer Widths measure	ed?	Y	N	NZ 7-6-12
Web Soil Survey		(2)	N	Se 8/3/12
Voucher Location	Refrigerator	Y	N	
(# vouchers collected)	Press (#)			Enter number to left
	Drier	Y	N	
	Identified	Y	N	
	Mounted	Y	N	
	Thrown away	Y	N	
3 17935				
GRTS point verificat	ion: Is plot sampleable?			
, v Yes	Original GRTS point is sampleable			
□ No	Original GRTS point lands in a non-sa	ampleable	area (f	ill in category below)
	☐ Point falls in a water (i.e. river, la			
	☐ Managed mowed area (i.e. golf co	ourse, picnio	area, rigi	ıt-of-way)
	□ Paved area (i.e. parkinglot, road)			
	☐ Unsafe to sample (i.e. steep slope) ☐ Other			
Additional Comments	4000			
манионая Сониненс	3.			
	·			

#10 #10 #10 #10 #10 #10 #10 #11 #11 #11 #11 #12 #13 #14 #13 #14 #13 #14 #14 #14	Minimum required fields in Bold and Underlined *Defini	Authority: G&C Pub Date: 1998 Systemat	TAXONOMIC STANDARD Random	lichen Plot plac	bryo Photo Nos	vascul. Camera No.:	high modera low not smpl Intensive	TAXONOMIC ACCURACY Depth: (1-5):	ц Hurried data	Wery thorough how much effort put into GPS File	Effort Level: subjective evaluation of Coord. A	SAMPLING QUALITY* Longitude:	□ Perm. water □ Paved □ Slope □ Safety Latitude:	PLOT NOT SAMPLED: \Box Other $x = 0$	** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. GPS loca	Datum:	L. Hoffman Firel Tech - Other (specify)	tech	5. Pottet Bot Asst Coordin	M. Breth Plot leader Source of	Party Role** If data no	End date (if > 1 day): / / Reason:	Date (mm/dd/yyyy): ○ 8/0 2/ 201 2 □ Fuzz 10	Level 5 (nested corners sampled) Check one:	Level 4 (no nested corners sampled) Data Corners	Plot No.: 1283		duce	Project Name: 01862013 Quadrangle:	Project Label: PCAP State:	GENERAL INFORMATION LOCA	OFF TENTE IN FIRST PARTY COMMUNITY
	*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide OVER	Systematic (grid) Capture specific feature Other	□ Random □ Stratified Random □ Transect component	RTS = Representative		Boland .	iles: 2, 3, 8, 9 (EDIT IF MODIFIED)	4	0	A (0-1)	of +-2.6 (D) 10 New DOLON	081.50002	41.38 89	(base of plot x=0, y=0)		■ NAD83/WGS84 □ NAD27	mofic	1		MAP ■ GPS	If data not public why? Key: (0,0) point point point with direction permanent posts	0 4 3 4 3	#1 #2 #3 #4	Public data Private Data	ľ	OM #9 #8 #7	17 awt horn Kwy 210 3 4 3	Vames:	Shakur		LOCATION	CLEVELAND ME I ROPARKS Plant Community Assessment Program - Background Data Sheet Page 1 of 2

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	munity Assessment Program - Backgr	round Data Sheet	(PalurelandMainqueta
Project Label:	PCAP Project Na	Project Name: OBC2012 Plot No.	Plot No.: 1283 Page 2 of 2
MODIFIED NATURESERVE CLASS*		DISTURBANCES	
CODE (on separate form):	Fir-E Conf-X	type* severity** yrs ago % of plot	description
כ		Human	
7		Natural	
COMMUNITY NAME:		Fire	
"Nixe" First		Cut	
		Animal	
		Other	
HOMOGENEITY		**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high	d high, H=high, VH=very high
Homogeneous Compositional trend across the plot	end across the plot	Current Land Use: PAK	
☐ Conspicuous inclusions ☐ Irregular/pattern mosaic	nosaic	Former Land Use: On K	
	HYDROLOGIC REGIME*		Dencas
	Upland (seldom flooded)	□ Intermittently flooded	() LOC
SALINITY*	□ Intermittently/seasonally saturated □ Se	□ Semipermanently flooded	
□ Saltwater	(seldom flooded)	□ Permanently flooded	
□ Brackish	□ Permanently/Semipermanent, saturated □ T	□ Tidal/Seiche flooded daily	
□ Fresh	(dry <1/yr, seldom flooded)	□ Tidal/Seiche flooded monthly	
Exceptand (n/a)	□ Occasionally flooded (<1/yr) □ T	□ Tidal/Seiche flooded irregular	
	□ Temporarily flooded ((e.g. wind, storms)	
(by default unless plot is a wetland)	Ua	Unknown	
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	s of plot to the stand, successional status, maturity	, etc.)	
Plot was very dependent. Tolip, Red maples, White pines Deminated Congly. Sugar	c. Tolip, Red maples, V	White Pires Dominated) Canaly, Sugar
maples of few class in shoulthand layer. No Pisturbances noted	hobbigan layer. No Pr	isturbances noted - No R	- No Blowse

			W	7				A		۲.									0			0	7	7	-1	Strat		30	2			To	Pr
				3 C.	2	N	2	\vdash	_	01,		2	2	_			1	2		4 2		2	_	2	S	a - Co		Metroparks	1	7		Total modules:	Project Label:
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																									H (F)(A) Br	Strata - Cov. entire plot		in si				les:	CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: つじらこと
											(P*						(7)				-13	1	_	_	Br	Ŏ.						ļ	_ EX
			Piceer	Quercus	M066	Oxalis	Osis eama	FLOUXIAUS	10dera	Carva coldifornis	Shr profforolos acrosidentita	Prunis	Alliacia	Solidago	Catagus	Sel.	Eputocium	Tox, coverdon radicans	Pros strobus	1100 S americana	frowings so	Acer Saccharum	Acer rubion	Linedension tolipitera				desc	В				유
			Rec	(cus	1	ĺ	ear	500	cia	2	P	. JS	CIC.	dece	22	persia dirainiana	400	(०७)	5 5	V S C	(1) (2) (2)	- 54	ζυ,	حراءم				describe amount of browse per species over entire plot	Br = Browse Level. Use cover classes to				RK
				رزر	90	6.5	r .	53	1	ord.	000	12.°	20		5	الرر	S.	adro	100	xme.	ς, V	d y	6/0	i) too				moun	wse L				Pla
			abies	subra		cta.	triphyllin	2	bester n	Cox	050	7.30	petolata	1 8 9050	So,	5	(vacsv m	ر بر	\ \ \			6 C U	3	tol	Sp		-	en for or	evel.			11	PC
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											3-0991														8	%unveg. litter (bare litter)	%unveg. ground (bare soil)	white mater water water	Intensive module:	Estimate for each		Intensive modules:	Prog
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CLE	CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Name: 0 6 2012 Plot No.:	Commu	nity A	ssessm	ent Pro	gram I	nt Program Natural Woody St. Project Name: 01 Be 2012	Woody:	Stem Da	rta Sheet	1283	3	Page:	-	of	(A) Clevel	© Cleveland Metropaiks
	Explain subsample (additional room on back):	back):		1	r i					10 E		'	h		250	, v	
			*#±	# stems	% sub	#	size class	(cm) woo	size class (cm) woody stems >1.4m	1.4m					19		
mod #	species	c voucher#		۵ -		shrub	<u>7</u> -	1-<2.5	2.5-<5	5-10	10 - <15	15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	10 35 - <40	11 >40 (record each tree
	Lirind	2	_		_							6	_	•			40.5, 43.4
1	C								11		•	۵					
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N	Acer Saccharum								ה								
w	V												3				
n	Acer rubrum									9.0							44.3
2	Standing dead							• •	0				,				
7	Ulmus americana							•	•								
E	Linadendron tulipitora	ν														9	50.5,47.7
W	Acer saccharum							0 0	1.	100							
B	Pinus Shrabus	- :										ss 8	* *				
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T	Ulmus americana									۵							
4	2										٠						
S	Liriodendran tolipitua	*									9 4	•	•				P. 84



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

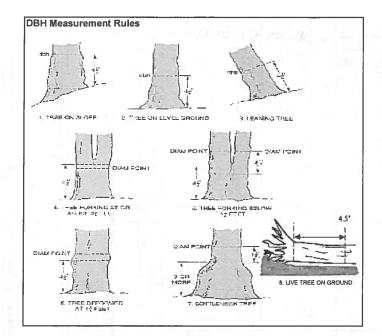
Ε

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.

	Project Label: PCAP Project Name: 01 8e 2012 Plot No.:		PCAP	,	Project	Project Name: 01 8e 2012	2180	201		Plot No.:	1283		Page:	2	· 요	2	2
	Explain subsample (additional room on back):	n back												8			
				# stems 0-1.4m	% sub	shrub s	ze class (cm) wood	size class (cm) woody stems >1.4m	1.4m	On .	o .	7	00	9	10	=
# bor	species	c	voucher#	browsed	sample	ciumps	P 4	1-<2.5	ა	5-<10	10 - <15	15 - <20	20 - <25	^30	30 - <35	35 - <40	>40 (record each tree)
S	Acer s								9 0	9 *	•			133			
5	Pichen abies														•		
	Acer rubrum								1 III		•	0					Elle
5	Standing dead							9	4 0	••							
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X	Liriodendron tolipifero	à			V. 72									09			
X	Acer Sacchann		8					0 8	00	9	8 6						
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00	N									0							
3	Acer Saccharum							0	H	0 8		3		8			
A	Ulmes americana							•		89							
-d	Standing dead							•	3 8								
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19	Aver sacharum							0 0	9 3	9		• 3					
2	Pinus strobus															1	43.1 40.9
\$	Standi																



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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CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



							_		-
Tier 1: Early	/ detection/	Rapid response			Seal of the last	sence		GPS	
professional and the second	S. British			NE	SE	SW	NW		Presence
Microstegium vimineum		Japanese stiltgrass							X: yes
Ranunculus ficaria		Lesser Celandine							1
Cynanchum louiseae		Black Swallow-wort				ļ			1
Butomus umbellatus		Flowering Rush							1
Heracleum mantegazzianu		Giant Hogweed							
Tier	2: Assess a	s Needed			# of	Plants		comments	
				NE	SE	SW	NW		# of Plants
Acer platanoides	44 - A - 2000	Norway Maple							1: 1-10
Ailanthus altissima	3 31.83	Tree of Heaven							2: 11-50.
Lonicera japonica	(vine)	Japanese Honeysuckle	2						3: 51-100
Lythrum salicaria	(wetland)	Purple Loosestrife							4: 101-1,00
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)	L			1		
Alnus glutinosa		European Alder							
Dipsacus laciniatus		Cut-leaf Teasel		Ī					
Elaeagnus umbellata		Autumn Olive	(shrub)						1
Lonicera maackii		Amur Honeysuckle	(shrub)						1
Euonymus fortunei		Wintercreeper							1
	Presence is	of Interest			# of	Plants		comments	
				NE	SE	SW	NW		# of Plants
Convallaria majalis	(G-cover)	Lily of the Valley							1: 1-10
Coronilla varia	(G-cover)	Crown Vetch							2: 11-50.
Eleutherococcus pentaphy	llus	Five-leaf Aralia	(shrub)						3: 51-100
Pachysandra terminalis		Japanese Pachysandra	`						4: 101-1,00
Philadelphus coronarius		Mock Orange	(shrub)						5: >1,000
Pulmonaria officinalis	(G-cover)	Lungwort							8
Rubus phoenicolasius	,	Wineberry			1				
ris pseudacorus	(wetland)	Yellow Flag Iris							
Ornithogalum umbellatum		Star of Bethlehem							
Viburnum opulus var. opul		European Cranberry	(shrub)	1					
Viburnum plicatum		Doublefile Viburnum	(shrub)	<u> </u>	1				
	/idespread :	and abundant	the second	The same	Pre	sence		comments	
			39600	NE	SE	sw	NW		Presence
Alliaria petiolata		Garlic Mustard		2	2	3	3		X: yes
Ligustrum vulgare		Common Privet	(shrub)	Ī	1		1		1
L. morrowii, L. tatarica		Bush Honeysuckles	(shrub)	 	1-	T	\vdash		1
Phalaris arundinacea	7 1	Reed Canarygrass	(44)		1	1			
Phragmites australis	(wetland)	Phragmites				†			1
Polygonum cuspidatum	(er county	Japanese Knotweed		<u> </u>	1	1			1
Frangula alnus		Glossy Buckthorn	(shrub)	 	+				
Rosa multiflora		Multiflora Rose	(shrub)	2	+	 	2		1
Typha angustifolia, T. x.gla	LIC3	Cattails (wetland)		-	+-	 	\vdash		1
Cirsium arvense		Canada thistle		 	+ -	+			1
Dipsacus fullonum		Common Teasel		-	+	+	 		
				1	+	-			1
Hesperis matronalis	1C agrees	Dame's Rocket		-	+	+-	\vdash		-
Vinca minor	(G-cover)	Periwinkle			<u></u>	Ļ.,	<u> </u>		J

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

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet Tree ID. 24 23 2 20 18 15 22 19 17 16 14 13 7 မ 7 * 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) Fraxinus Fraxinus 20, Project Label: PCAP Project Name: 0 | Be 2012 26.2 17.2 (cm) DBH HBQ Ash ص) *Dead # Exit holes 0 G ASH Only INTENSIVE MODULES ONLY Epicormic present Plot No.: | 2 03 Date: 8 - 2 - 2012 0 0 Woodpecker holes O Baseline Map all ash trees ≥10cm in each module using Tree ID number *** Change intensive module numbers when necessary 7 9 2 Page: 1 of 2 œ ω

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

Project label: PCAP Project Name: 0 | 60 2012 Plot No.: 1263

(P) Glovetand Metropanies

Page: 1 of 1

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

(one per entire plot)

Soll plt module # 3 20 cm 5 cm matrix color 10 YR 3/3 matrix color texture* oxid roots texture* oxid roots redox features** ydr. cond.*** edox features** émottle imottle ottle color ottle color NA N/A 10 YR 3/3 S M ~ S M 0 0 0 3

refer to texture classes on reverse side

ydro cond ***

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

*** Circle one:
I=indundated S=saturated M=moist D=dry
Notes: include evidence of earthworms (worms, castings, middens)

soil core earth worm

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

□ Impermeable surface	□ Somewhat poorly dr	□ Welt drained	n Excessively dr. n	DHADNAGE	Parent Material: Till	Depth to rest. Layer:	Landform type: A GREWAYA	Soil Series Source Ohio Soil Survey	Soil Series/Type: Rit	White Spiritaine at 110mi	2,3,8,9 composited	Soil Collection Module Horizon (A, B, C)
20	a Very poorly dr	Moderately well dr	□ Somewhat excessively			80"	geograph,	Soil Survey	Rithman silt loa		A	Horizon (A, B, C)
8/3/12			4			l	12		Can	(Med)	_]

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

			1 55	
9	8	W	2	пюф#
0.6	0.5	0.9	1.9	1 litter+ organic depth (cm)
0,6	0.5	0.9	1.9	2 litter depth (cm)
0	0	0	0	water depth (cm)
×30	130	230	>30	depth sat

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	
Underlying Earth Surface*	h Surface*	Ground Cover	() L
(Sum = 100%)	percent	(Each ≤ 100%)	percent
Histosol	Ø	Coarse Woody Debris***	8
Mineral Soil	99	Fine Woody Debris****	13
Gravel-Cobble*	-	Litter	98
Boulder**	Ø	Duff (Ferm.+ Humus)	R
Bedrock	Ø	Bryophyte- Lichen	_
* Gravel-Cobble = 1/16-10"	× 1/16-10"	Water	Ø
**Boulder => 10 in	in .	Bare Soil	v
*** >5 cm in diameter	neter	Road/Trail	B
**** <5 cm in diameter	meter	Other	0

COVER	
COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	
ATA dpoints	
of 5,ex:3,	
8, 13	
%	

Strata	Height Range (m)	Total Cover (%)
Tree	3-5	93
Shrub	0,5 - 5	C@
Herb	< -0.5	7
(Floating)*	1	
(Aquatic)*		
* rooted and fix	 rooted and floating or slightly emersed 	sed

TRAIL INFORMATION:	
record type and cover for each	ach
Туре	%Cover
□ All Purpose	
□ Bridle	17
D Hiking sanctioned	
Bootleg unsanctioned	M.
⊡ Gravel	
o Deer	- 1

No true

STAND SIZE > 100 x plot size >600 x plot size

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

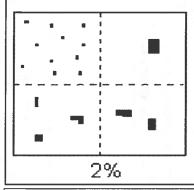
< plot size

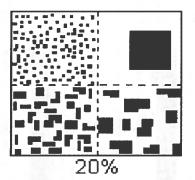
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

submersed, most plant mass below surface

PERCENT MOTTLES (USE CLASS CODES):

Class	С	ode	Criteria: % of
	Conv.	NASIS	Surface Area Covered
Few	f	# 3	< 2
Common	c	<u>11</u>	2 to < 20
Many	m	# 17	≥ 20

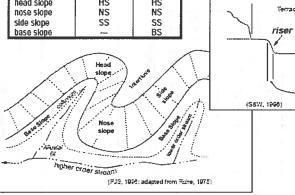


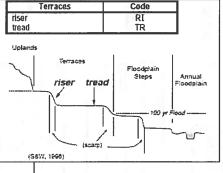


SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but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

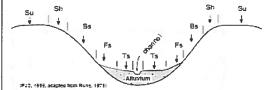
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains; e.g., (for Hills) nose slope or NS.





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.

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 latermittenty. 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.

Project Label:	EVELAND METROPARKS Plan
PCAP	RKS Plant Comr
Project Name:	nunity Assessment Pro
Be 2012	gram - Plant Cover a
	Plant Cover and Earth Surface

Plot No.:

1283

(A) Discordant d Medicopartos Page: 1 of 1

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

Module #	C7	Corner Corner	Corner
A Comment	ě.		
		2	

CLASSIFICATION FIT = excellent, a Fit and Confidence

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

CLASSIFICATION		
(FIT = excellent g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
DEPRESSION	F	Conf=
□ IMPOUNDMENT □ Beaver □ Human	TH H	Conf=
□ RIVERINE □ Headwater □ Mainstem □ Channel	Fit	Conf=
□ SLOPE (ground water hydrology or on a physical slop)	Fit	Conf*
n FRINGING in Reservoir in Natural Lake	7	Conf=
n COASTAL (specify subclass)	7	Conf=
BOG (strongly, moderately, weekly ombrotrophic)	Fit	Conf-
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	NLY):	
□ FOREST □ swamp forest □ bog forest □ forest seep	File	Conf=

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Slope 1 = slight elevational grade across module (hill) tanks 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 feature is absent or functionally absent from the wetland Slope 2 = falls on slope -20° Slope 3 = maximum steepness that can be safely sampled ~45°

- feature is present in the wetland in very small amounts or if more common, of low quality
- feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality
- 10 feature is present in moderate or greater amounts and of highest quality

۵ æ S mod# corner 1 ١ depth 3 lussocks 0 (count) lxim no. of 0 O 0 splands (Tip-Ups) 3.16x3.16m hummocks depth 2 0 (count) no. of 0 0 0 depressions no, macro. 10x10m depth 1 (count) 0 0 (2-12 cm) 10x10m depth 1 c.w.d (count) 00 c.w.d. - count for pieces with minimum 1m length (12-40cm) depth 1 10x10m c.w.d 9 >40 cm depth 1 0 10x10m 0 0 9 (count) c.w.d interspers microhab 10x10m depth 1 2 (rank) SLOPE (rank) 10x10m 0 0

EMERGENT a marsh a wet mendow a open bog

Landform Index (position within landscape) Terrain Shape Index (site microtopographic shape)

+180 degrees +135 degrees

SW

+90 degree +45 degrees At aspect

NE.

SE

local slopes. For TSI measure

horizon. TSI is angles formed by LFI is anyle of plot to the

recorders eye to eve of person

angle from

+27() degrees +225 degrees

¥

away. standing -10 m

+315 degrees

WW

□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen F Fit=

Conf= Conf=

9	œ	3	2	Nodule	conceount open (and ber Sug adome)
(J)	ß	2	8	Z	מסני (די מסני סני
_	-	3	2	w	. Bun square
7	4	()s	Ü	es	
)	2	نن	4	W	

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

0

25

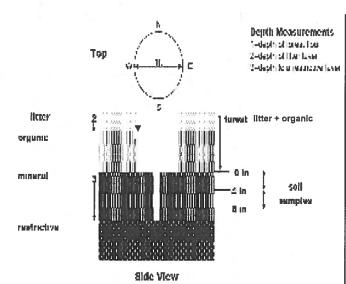
NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated. $\mathcal L_{oldsymbol 2}$

COVER BY STRATA

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.



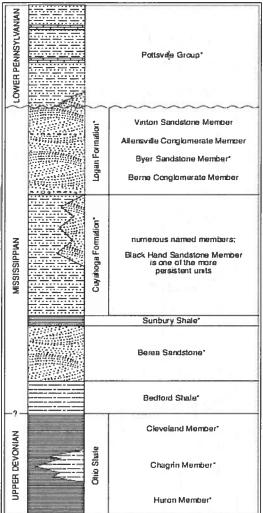


FIGURE 3-20.—Generalized section of Upper Devonian, Mississippian, and Lower Pennsylvanian formations in northeastern Orio. Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the chirchnesses indicated are proportional. The term "Waverty is used in the older literature to refer to Mississippian rocks in Okio. Some geologists use the European term "Carboniferous," which encompasses the Mississippian 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 massive sandstone that is fairly widespread but discontinuous. See Hyde (1933), Horver (1950), and Collins (1978) 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

FORM								RM B-1:	BUFF	ER	SAN	/IPL	EP	LOT	S (F	ront)	Reviewed by	(initial)	:	(•
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O AA	Center	C	N	0	S	01	E 0	W	OP	lot	1	01	Plot	2	OF	Plot 3					
Fill in bubble	es for all t	nat an	nlv: Cs	nany	Tune	D = 1)eciduo	s: F = Everno	Buffer			-				Absent: No tree	canony				
																	%); 3 = Heavy (40-75%); 4 = \	ery H	eavy (>75%)
Buffer	Canop	у Тур	e: 🏉) () AI	bsen	t: O	Buffer	Canopy	у Тур	e: 🕞	() At	seni	: O	Buffer	Canopy Type:	0	Ab	sent	: O
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mall Trees (<0.3m DBH	0	0	0	•	0		Small Trees (<0.3m DBH)	0	0	0	0	<u>O</u>		Small Trees	(<0.3m DBH)	0	0	0	
Voody Shrubs (0.5m	s, Saplings -5m HIGH)	0		(2)	0	0		Woody Shrub (0.5n	s, Saplings 1-5m HIGH)	0	0	2	0	0			bs, Saplings m-5m HIGH)	0	0	0	
	.5m HIGH)	0	②	2	0	0		Woody Shrub (<	s, Saplings).5m HIGH)	0	0	2	0	0			0.5m HIGH)	2	3	0	
Herbs, F	orbs and Grasses	0		2	3	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses O	2	O	0	
Bare	ground	0	(2	0	0	Fi.	Bare	ground	0	0	2	0	0		Bar	e ground ① ①	2	0	0	
Lit	ter, duff	0	0	0	0	③		Li	tter, duff	0	0	2	0	0		L	itter, duff 💿 🕦	2	0	0	
	Rock		0	②	0	0			Rock	0	0	2	0	0			Rock ① ①	2	0	0	
	Water	3	0	2	3	0			Water	0	0	2	(2)	0			Water 💿 🕦	0	0	0	
	ubmerged egetation	3	0	2	0	0			ubmerged egetation	0	0	0	0	<u> </u>			Submerged O	0	0	0	
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ill bubble	if pres	ent - l	Plot	1	2	3	Flag	Fill bubbl	e if prese	nt - F	Plot	1	2	3	Flag	Fill bubble	if present - Plot	1	2	3	Flag
Road - gra	avel			0	0	0		Ditches, C	hanneliza	ition		0	0	0		Pasture/Ha	у	0	0	0	
Road - tw	o lane		8	0	0	0	S = .	Dike/Dam		Bed		0	0	0		Range		0	0	0	
Road - fou	ır lane	the state of		0	0	0		Water Lev	000	l Stru	cture	0	0	0		Row Crops		0	0	0	
Parking Lo	ot/Paven	nent		0	0	0	F) H	Excavation	n, Dredgir	ng	¥1	0	0	0		Fallow Field	(RECENT-RESTING	0	0	0	10
Golf Cour	se			0	0	0		Fill/Spoil E				0	0	0		Fallow Field SHRUBS, TRE	(OLD - GRASS, ES)	0	0	0	
Lawn/Parl	•	10	- 19	0	0	0	77	Freshly De		Sedim	ent	0	0	0	1 1	Nursery		0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/	Root Expo	sure		0	0	0		Dairy		0	0	0	
Urban/Mu	Itifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard		0	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A	nimal Feeding	0	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT (OR STORM			0	0	0		Rural Resid	lential	0	0	0	
Trash				0	0	0		(SHEETFLOV		Input	118	0	0	0		Gravel Pit		0	0	0	
Other:		311 - 21		0	0	0		Other:			_	0	0	0		Irrigation		0	0	0	
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Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se	0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	ub Cutting	0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta	tion			0	0	0		Trails		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	
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0	1 = -	Common Buckthorn	0	0	0	
Garlic Mustard	•	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	
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Buffer Plot 3 can not be accitors are centered on the Buf ag box, and describe where ither placed as close to the o	es by cesse fer Ti the c cente	filling ed, tal ranse coordi er of F	ke the ects a nates Plot 3	e coord and the s were to as pos	opriate bubble. linates at the nearest practicabl coordinates will indicate the loc	e loca ation sectio	ition / of the	tran: ow. T	IG THE sect. Fi he coo	TRANSECT. This is important in the "rearest practicable locationates of the nearest practicable locationates of the nearest practical in the "rearest practical in the "reares	becau	ise al	ole, fi can	fer II in the be
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Site	ID:	(CAT	Be	12	83									DATE	: 08	1031	20	i	2	
Locati	on:		-12		4		1380		Fill	in b	ubb	le(s) if p	lot(s) cou	ıld not be	sampled ar	id flag	<u>, </u>		1
OAA	Center	(N	0	S	01	≡ 0	W	OP	lot	1	0	Plot	2	OF	Plot 3					
770 to to to to to to					_				Buffer										7		
																Absent: No tree oderate(10-40	e canopy. %); 3 = Heavy (40-	75%); 4	= Very	Heavy	(>75%)
Buffer	Canop	у Тур	e: 貕	() A	bsen	t: O	Buffer	Canop	у Тур	e: [) () Ai	bsen	t: O	Buffer	Canopy Type	: 🚳	1	Abse	nt: O
Plot 1	Lea	f Typ	e: 🍕	(Flag	Plot 2	Lea	f Typ	e: 🍕) ()		Flag	Plot 3	Leaf Type	: 🌑	₹ I		Flag
Big Trees (>	0.3m DBH)	0	0	2	0			Big Trees (>	0.3m DBH)	0	0	2	0			Big Trees	(>0.3m DBH)	0) ()
nall Trees (<	<0.3m DBH)	0	0		0	0		Small Trees (<0.3m DBH)	0	0	2		0		Small Trees	(<0,3m DBH)	0)(0) 🥝	3
oody Shrubs) (0.5m	s, Saplings -5m HIGH)	0	(②	0	0		Woody Shrub (0.5m	s, Saplings +5m HIGH)	0	0	(0	0			ibs, Saplings m-5m HIGH)) (0)
oody Shrubs (<0	s, Saplings .5m HIGH)	(0	0	0	0		Woody Shrub (<0	s, Saplings).5m HIGH)	3	0	2	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0) (0)
Herbs, F	orbs and Grasses	0	(7)	2	0	0		Herbs, I	orbs and Grasses	0	0	6	0	0		Herbs,	Forbs and Grasses	(2)) () ()
Bare	ground	0	0	2	0	0		Bare	ground	0	9	(2)	0	0		Bar	e ground ①	③ () ()
Lit	ter, duff	0	0	2	0	•		Lit	ter, duff	0	0	0	0	(L	itter, duff 🗿	00) ()
	Rock	0	(9)	②	0	0			Rock	•	0	①	0	<u></u>			Rock ①	0	0	-	+
	Water	②	0	2	0	0			Water	•	0	0	0	$\overline{\odot}$			Water (00			+
	bmerged egetation		0	(2)	(3)	0			ubmerged egetation	3	0	2	0	<u> </u>			Submerged Vegetation	$\tilde{0}$			+
	Name and Address of the Owner, where	senc	e/Ab	send	:e -	_	rm that								unfilled	etto di Gonzalesco di Anni	cates absence b			10	. 6
Resi	dential	and	Urba	an Si	tres	sors			Hydrolo	gy S	tres	sors	16'3		11.0		Agricultural 8	Rura	Stre	SSOI	S
ill bubble	if prese	ent -	Plot	1	2	3	Flag	Fill bubble	if prese	ent - I	Plot	1	2	3	Flag	Fill bubble	if present - Ple	ot 1	2	3	Flag
Road - gra	avel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	y	(0	
Road - two lane			0	0	0		Dike/Dam/ (IMPEDE FLO		Bed		0	0	0		Range		(0		
Road - four lane			0	0	0		Water Lev	el Contro	Stru	cture	0	0	0		Row Crops		() (0		
Parking Lot/Pavement			0	0	0		Excavation	, Dredgir	ng		0	0	0		ROW CROP FIEL		G () (0		
Golf Course			0	0	0		Fill/Spoil B		- 17		0	0	0		Fallow Field SHRUBS, TRE	d (OLD - GRASS, ES)	() (0		
_awn/Park				0	0	0	18	Freshly Deposited Sediment (UNVEGETATED)			0	0	0	n	Nursery						
Suburban	Residen	tial		0	0	0		Soil Loss/Root Exposure				0	0	0		Dairy				-	
Jrban/Mul	Itifamily			0	0	0		Wall/Riprap					0	0		Orchard Confined Asimal Feeding					
andfill.				0	0	0		Inlets, Outlets Point Source/Pipe				0	0	0		Confined Animal Feeding) (
Dumping				0	0	0		(EFFLUENT OR STORMWATER)			0	0	0		Rural Residential Gravel Pit						
rash		100		0	0	0		Impervious surface input (SHEETFLOW)				0	0	0				(6
Other:		(F-4-00-1)		0	0	0		Other:				0	0	0		Irrigation	15.000	(_		0
Other:				0	O	0		Other:		O VAL	· ·	0	0	O		Other:				0	
Indu	strial D	evel	opme	ent S	tres	sor	3						labit	at/V	egeta	ation Stressors					
ill bubble	if prese	ent -	Plot	1	2	3	Flag	Fill bubble	if preser	nt - F	Plot	1	2	3	Flag	Fill bubb	le if present - P	lot 1	2	3	Flag
Dil Drilling		EDI		0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se	- 0			
Sas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shr	rub Cutting	C			<u> </u>
/line (surfa	ace)			0	0	0		Tree Planta				0	0	0		Trails		C			
/line (unde	erground	1)		0	0	0		Tree Canop (INSECT)				0	0	0			Soil Compaction (ANIMAL OR HUMAN)			0	1
/lilitary				0	0	0		Shrub Layer (WILD OR DOM	IESTIC)	-		0	0	0		T 46%	icle damage	C) (0	1
Other:				0	0	0		Highly Graz (OVERALL <3"	HIGH)			0	0	0		OR OVERUSE	(FROM WIND, WAT	ER, C) (0	
Other:				0	0	0		Recently Bu Canopy	med For	est		0	0	0		Other:		_ 0) (0	
Other:			14	0	0	0		Recently Bu (BLACKENED)	rned Gra	isslar	nd	0	0	0		Other:	.,) (0	
Fla	ag codes:	K=I	No me	asure	ment			uspect measi ags in comm							igned b	y each field cr	rew. 2	4281	6830	04	
В	uffer San	nple	Plots	05,	/27/2		an an n	ays in confill	on accilo	AL OIL	are De	UR UI	una it	. 111							

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Confirm	a fille	ed da	ta bu	ıbble iı	ndicates presence and an u	filled	bubbl	le inc	dicates	absence by filling in this bubl	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plo	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	0 0000
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	21
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	•		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	
						195				Other:	0	0	0	
				196-19	PLOT COOF	DINA	TES					100		Mark.
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•		216	(*)	(led)			FOI	RM B-1:	BUFF	ER	SAI	MPL	ΕP	LOT	rs (F	ront)		Reviewed by	(initial)):	_	
Site	D: P	CA	PB	e 12	83										DATE	E: 0.8	108	3/2	0.	1	2	
Locati									Fil	l in b	ubb	ole(s) if p	lot(uld not be						
OAAC	Center	0	N	0	S	O I	E O	W	01	Plot	1	0	Plot	2	OF	Plot 3						
Fill in bubble	es for all th	nat app	oly: Ca	anopy	Type:	D = [Deciduou		Buffer en. Leaf						-	Absent: No tre	e canopy.			- 129		
Strata Section	on: Fill in a	approp	oriate o	cover	class I	bubble	e for eac	h strata type fo	r each pl	ot. 0 =	Abser	nt; 1 =	Sparse	e(<10°	%); 2=M	oderate(10-40	%); 3 = Hea			1	- 8	_
Buffer Plot 1	Canopy	y Typ f Typ	_		\leftarrow	bsen	t: O	Buffer Plot 2	Canop	af Typ	_		\leftarrow	bseni	t: () Flag	Buffer Plot 3		Type: 🥰	\sim	Ab	sent	Flag
Big Trees (>	0.3m DBH)	0	0	②		0	1.09	Big Trees (>			0	2		8	liug	Big Trees	(>0.3m DBH)			0	0	i iug
Small Trees (<	0.3m DBH)	0	0	2	0			Small Trees (<0.3m DBH	1) ①	0	0	0	<u></u>		Small Trees	(<0.3m DBH)	00	2	0	9	
Woody Shrubs	, Saplings 5m HIGH)	9	0	(2)	0	0		Woody Shrub:		0		<u>3</u>	<u>3</u>	0			ubs, Saplings		0	Ō	0	
Woody Shrubs	, Saplings	3	0	3	3	ŏ	 	Woody Shrub	s, Saplings		0	2	0	$\frac{\circ}{\circ}$		Woody Shru	om-5m HIGH)	9 0	0	0	ŏ	,
	5m HIGH) orbs and	0	3	0	0	ō			.5m HIGH) orbs and	_	3	0	0	$\frac{\circ}{\circ}$			<0.5m HIGH) , Forbs and	00	3	0	ŏ	
Bare	Grasses ground	0		0	0	0	<u> </u>	Bare	Grasses ground	10	0	0	0	$\frac{0}{0}$		Bai	Grasses re ground	00	6	0	0	
	ter, duff	0	0	<u>(1)</u>	0	3			ter, duff	+=	0	2	0	<u>)</u>		 	itter, duff	00	2	9	0	
	Rock		0	0	0	0		ļ	Rock	1	0	<u>0</u>	ŏ	$\frac{\tilde{o}}{0}$			Rock	O O	0	0	ŏ	
	Water	0	0	2	0	Ō			Water	9	Ō	0	0	$\overset{\smile}{\odot}$			Water	00	0	<u></u>	Ŏ	
	bmerged egetation	③	0	2	3	0			bmerged egetation		0	2	0	0			Submerged Vegetation	(4)	0	0	0	
Stress	or Pres	sence	e/Ab	senc	e - (Confi	rm that	a filled data	bubble	indica	tes p	resen	ce an	d an	unfilled	bubble indi	cates abse	nce by fill	ing thi	s bub	ble.	9
Resi	dential	and	Urba	an Si	res	sors		044644	lydrolo	ogy S	tres	sors					Agricultu	ıral & Rı	ıral S	tres	sors	
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if pres	ent - l	Plot	1	2	3	Flag	Fill bubble	e if preser	t - Plot	1	2	3	Flag
Road - gra	vel			0	0	0		Ditches, Cl				0	0	0		Pasture/Ha	ау		0	0	0	
Road - two	lane			0	0	0	-	Dike/Dam/		R Bed		0	0	0		Range			0	0	0	
Road - fou	r lane			0	0	0		Water Leve	el Contro	ol Stru	cture	0	0	0		Row Crops			0	0	0	
Parking Lo	t/Pavem	ent		0	0	0		Excavation	, Dredgi	ing		0	0	0		Fallow Fiel		RESTING	0	0	0	
Golf Cours	se			0	0	0		Fill/Spoil B	anks			0	0	0		Fallow Fiel SHRUBS, TRE		ASS,	0	0	0	
Lawn/Park				0	0	0	1 15	Freshly De		Sedin	nent	0	0	0		Nursery	The state of		0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/F	Root Exp	osure		0	0	0		Dairy	Merch All		0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra)			0.	0	0		Orchard			0	0	0	
Landfill		A594_1		0	0	0		Inlets, Outl	ets			0	0	0		Confined A	nimal Fee	ding	0	0	0	
Dumping				0	0	0		Point Source (EFFLUENT O		WATER	()	0	0	0		Rural Resi	dential		0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW	surface	input		0	0	0		Gravel Pit			0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:			0	0	0	
Indus	strial De	evelc	pmo	ent S	tres	sor	3			Y H		1	labit	at/V	egeta	tion Stress	sors			VE		
Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubb	le if prese	ent - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clean	Cut			0	0	0		Herbicide U	lse		0	0	0	
Gas Wells				0	0	0	1	Forest Selec	ctive Cut	t	n (eu	0	0	0		Mowing/Sh	rub Cutting	1	0	0	0	
Mine (surfa	ace)			0	0	0		Tree Plantai				0	0	0		Trails		W.	0	•	0	1
Mine (unde	erground)		0	0	0		Tree Canop (INSECT)				0	0	0		Soil Compa (ANIMAL OR H	ICTION IUMAN)		0	0	0	
Military				0	0	0		Shrub Layer (WILD OR DOM	ESTIC)			0	0	0		Offroad veh			0	0	0	
Other:			1	0	0	0		Highly Graze (OVERALL <3")	HIGH)		. 4	0	0	0		Soil erosion OR OVERUSE		ID, WATER,	0	0	0	
Other:	jau kac			0	0	0		Recently Bu Canopy	med Fo			0	0	0		Other:			0	0	0	
Other:				0	0	0		Recently Bu (BLACKENED)	med Gr	asslar	nd	0	0	0		Other:			0	0	0	
	ig codes: uffer San				ment /27/2	Exp	e, U=S lain all f	uspect measu lags in comm	rement., ent section	F1,F2 on on	etc. the ba	= mis	c. flag this fo	s assi	igned b	y each field c	rew.	242	8168	304		

FO	RM	B-1	l: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TEL) ALI	EN SPECIES (Back) Reviewed by	/ (initial	i):	model.	
Site ID:	P	CAP	Be	128	33	DAT	E: _	۶ , و	<u>.</u>	0312012				
⊚ Confirm	a fille	ed da	ta bı	ubble ii	ndicates presence and an unf	illed l	bubbl	e inc	dicates	absence by filling in this bub	ble		- 144	
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	uThi
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		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	4-4
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	-1-0 800	Leafy Spurge	0	0	0		Other:	0	0	0	
	1	1020					Wil			Other:	0	0	0	
A GOLDAN	7/218		FOR		PLOT COORI	DINA	TES	3						
either placed as close to the Location of coordinate O AA CENTER O N	es (c	hoo:	se o	ne):	ssible or at the center of the last	acce	ssible	e Buff	fer Plot	g and comment below)			Fla	
					Use Decimal Deg	rees	NAI	083	1		B.a.			
Flag Comments														
		•	•	-4.	oned trail.							-	-	
1 1101 COM	uw		20/1	(0170	MEN TRAIL			-	76					
	-	_						SSES AC						
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1 12 14			_							4 10-				
		HE-C	-				-							
														1-1/1
Buffer Sample P	oints	- Tar	gete	d Alien	Species 05/27/2011					796	6662	354	8	•

0		Š.	[Ap	18)	de	0-1	FO	RM B-1:	BUFF	ER	SAI	MPL	E P	LO	•				wed by				•
Site I	ID: F	CA	e Be	213	83									iniu.	DATI	08	0 2	8,1	5	0,	1	2	
Location	on:								Fill	in b	ubb	ole(s) if p	olot(s) co	uld not be	sampl	ed a	nd f	ag -	→		
OAAC	Center	C	N	0	S	0	E O	W	100	lot	100		Plot			Plot 3				5			
Fill in bubble Strata Section	es for all ti on: Fill in a	hat ap approp	ply: Ca priate	anopy cover	Type:	D = I	Deciduou e for eac	 s; E = Evergre h strata type fo	Buffer en. Leaf T r each plo	vpe: E	3 = Br	oadlea	f: N =	Needl	le Leaf.	Absent: No tree oderate(10-40	e canopy. %); 3 = Hea	avy (40)-75%)	; 4 = V	'ery H	eavy (>75%)
Buffer Plot 1	Canop	y Typ	~		\leftarrow	bsen		Buffer Plot 2	Canopy	y Typ f Typ	_		_	bsen		Buffer Plot 3	Canopy		e: 🎒	$\tilde{}$	At	sent	$\overline{}$
Big Trees (>		\overline{a}				0	Flag		-					0	Flag			1	E. 6	\overline{a}		2	Flag
		$\stackrel{\smile}{\sim}$	8	0	0		-	Big Trees (>	<u></u>	0	$\frac{0}{0}$	0		<u>()</u>	<u> </u>		(>0.3m DBH	1	$\frac{9}{2}$	0	0		
Small Trees (< Woody Shrubs			0	_	H=	<u> </u>		Small Trees (<		-	0	0	0	9		Small Trees	(<0.3m DBH ubs, Saplings	1	0	0	0	©	
(0.5m- Woody Shrubs	5m HIGH)	(0	0	0	0		(0.5m-	5m HIGH)	0	0	(0	0	ļ	(0.5	m-5m HIGH)		0	9	0	0	
(<0.	5m HIGH)	9	0	0	0	0	ļ		5m HIGH)		0	0	0	0			<0.5m HIGH)	<u> U</u>	0		0	0	
Heros, F	orbs and Grasses	0	@	②	0	0		Herbs, F	orbs and Grasses	0	9	0	0	0		. Herbs,	Forbs and Grasses	11 0 1	(0	0	0	
Bare	ground	0		2	0	0		Bare	ground	(4)	0	0	3	0		Bar	e ground	1	0	0	<u>3</u>	0	
Litt	er, duff	0	0	0	0	1		Lit	ter, duff	0	0	0	0			L	itter, duff	0	0	0	0	(4)	
	Rock	③	0	(2)	0	0			Rock	③	0	2	0	0			Rock	3	0	0	0	0	
	Water	6	0	(2)	0	0			Water	9	0	0	0	0			Water		Ō	0	0	0	
	bmerged	3	0	<u></u>	0	0			bmerged	9	$\overline{\odot}$	0	<u></u>	0			Submerged		0	0	0	$\overline{\odot}$	
	egetation or Pres		\sim	\subseteq	$\stackrel{\smile}{}$	$\stackrel{\smile}{}$	irm that	a filled data	egetation bubble in		\subseteq		\subseteq	\sim	unfilled		Vegetation		\subseteq	$\underline{}$	_	_	
		2000		100									oc an	u arr	diffiled					TE SUC			
	dential	Maria Carlo	- 10		T			100 miles	lydrolo	(1)		T		T			Agricult		- 1				
Fill bubble		ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	it presei	nt - P	lot	1	2	3	Flag
Road - gra				0	0	0		Ditches, Ch Dike/Dam/F		Marine and all	Ţ,	0	0	0		Pasture/Ha	ıy	911		0	0	0	
Road - two	lane			0	0	0		(IMPEDE FLO		Bea		0	0	0		Range		LVs.		0	0	0	
Road - fou	r lane			0	0	0		Water Leve	el Contro	Stru	cture	0	0	0		Row Crops				0	0	0	
Parking Lo	t/Pavem	ent		0	0	0		Excavation	, Dredgir	ıg		0	0	0		Fallow Field ROW CROP FIELD	D)		NG	0	0	0	
Golf Cours	e			0	0	0		Fill/Spoil Ba				0	0	0		Fallow Field SHRUBS, TRE		ASS,		0	0	0	
Lawn/Park		13	E	0	0	0	9	Freshly De	ED)		ent	0	0	0		Nursery				0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/R	oot Expo	sure		0	0	0		Dairy				0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Riprap				0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outle				0	0	0		Confined A	nimal Fee	eding		0	0	0	
Dumping				0	0	0		Point Source (EFFLUENT OF		VATER)	0	0	0		Rural Resid	dential			0	0	0	
Trash				0	0	0		Impervious (SHEETFLOW)		input		0	0	0		Gravel Pit				0	0	0	
Other:				0	0	0	-	Other:				0	0	0		Irrigation			31	0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:				0	0	0	
Indus	strial De	evelo	opme	ent S	itres	sor	8			radic.			labit	tat/V	egeta	ion Stress	ors						
-ill bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble i	if preser	nt - F	lot	1	2	3	Flag	Fill bubb	le if presi	ent -	Plot	1	2	3	Flag
Oil Drilling		77.5		0	0	0		Forest Clear	F 1888			0	0	0		Herbicide U				0	0	0	5
Gas Wells			_	0	0	0						0	0	0						0	0	0	
	100							Forest Selec				1000	-	1550		Mowing/Shr	ub Cutting	9		-			
Mine (surfa				0	0	0		Tree Plantat		יות		0	0	0		Trails Soil Compa	ction			0	0	0	
Mine (unde	erground)		0	0	0		(INSECT)				0	0	0		(ANIMAL OR H				0	0	0	
Military				0	0	0		Shrub Layer (WILD OR DOM	ESTIC)		44	0	0	0		Offroad veh	The state of the s			0	0	0	
Other:				0	0	0		Highly Graze (OVERALL <5" H	IIGH)			0	0	0		Soil erosion OR OVERUSE)		ND, WA	TER,	0	0	0	
Other:				0	0	0		Recently But Canopy		est		0	0	0		Other:				0	0	0	
Other:				0	0	0		Recently Bui	med Gra	sslar	d	0	0	0		Other:				0	0	0	
	g codes:	K = N	lo me			made	, U = S	uspect measu	rement.,	F1,F2	, etc.	= mis	c. flag	s ass	igned b	each field cr	ew.		L 2428				
	ffor San				/27/2	Exp	lain all fi	ags in comme	ent sectio	n on t	he ba	ck of	this fo	orm				M	242t	T02	3 04		

Site ID:				e12						0.3.1.2.0.1.2.		115		
© Confirm	a fille	ed da	ta bu	ıbble in	idicates presence and an unf	illed I	bubbl	e inc	licates	absence by filling in this bubl	ole			
Fill bubble if present - Plo	t 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	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	, W
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	17.
						50	10/12	and a		Other:	0	0	0	
	291 (4				PLOT COORI	DINA	TES		A DEN		1678	233	2360	No.
location of the plot coordina If Buffer Plot 3 can not be a Plots are centered on the B flag box, and describe when either placed as close to the Location of coordina	ccesse uffer To e the co e cente	filling ed, tal ranse coordi er of P	ke the cts a nate:	e coording the coordinate the coordi	priate bubble. inates at the nearest practicabl coordinates will indicate the loc aken and why in the comment sible or at the center of the last	e loca ation section acce	ation / of the on bek ssible	ALON tran ow. T	IG THE sect. Fi he coo fer Plot.		ecau	se al	l Buff	er I in the
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Herbs, F	orbs and Grasses	0	0		0	0		Herbs, F	orbs and Grasses	0		2	0	0		Herbs,	Forbs and Grasses		3	0	0	0	
Bare	ground	0	(4)	2	0	0			ground	0	3	2	0	0		Bar	e ground	0	(5)	0	0	0	
Litt	er, duff	0	0	(2)	0	9		Litt	er, duff	0	0	2	0	(L	itter, duff	0	0	0	0	(3)	
	Rock	(4)	0	②	0	0			Rock	0	((2)	0	0			Rock	0	@	2	①	0	-
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	bmerged egetation	3	0	(2)	(1)	0			bmerged egetation	0	0	2	0	<u> </u>			Submerged Vegetation		0	0	0	0	
Stress	or Pres	senc	e/Ab	send	e -	Confi	rm that	a filled data l	bubble ir	ndica	tes p	resen	ce an	d an	unfilled	bubble indic	cates abse	ence l	by filli	ng thi	s but	ble.	•
Resi	dential	and	Urba	an S	tres	sors		F	lydrolo	gy S	tres	sors					Agricult	ural	& Ru	ral S	tres	sors	
ill bubble	if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - P	lot	1	2	3	Flag
Road - gra	vel			0	0	0		Ditches, Ch	anneliza	tion		0	0	0		Pasture/Ha	ıy			0	0	0	
Road - two	lane			0	0	0	,	Dike/Dam/F (IMPEDE FLOV		Bed		0	0	0		Range				0	0	0	
Road - fou	r lane		R.	0	0	0		Water Leve	l Contro	Stru	cture	0	0	0		Row Crops				0	0	0	
Parking Lo	t/Pavem	ent	ħŸ.	0	0	0		Excavation,	Dredgin	ıg		0	0	0	-	Fallow Field ROW CROP FIEL	D)		NG	0	0	0	
Golf Cours	e			0	0	0		Fill/Spoil Ba				0	0	0		Fallow Field SHRUBS, TRE		ASS,		0	0	0	
Lawn/Park		11.03		0	0	0		Freshly Der	D)			0	0	0	- 4	Nursery	44			0	0	0	
Suburban		tial		0	0	0		Soil Loss/R		sure		0	0	0	ļ	Dairy				0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Riprap				0	0	0		Orchard				0	0	0	
Landfill				0	0	0		Inlets, Outle				0	0	0		Confined A Rural Resid		eaing		0	0	0	
Dumping				0	0	0		(EFFLUENT OF Impervious	surface	VATER input)	0	0	0		Gravel Pit	Jenuar			0	0	0	
Trash Other:			-	0	0	0		(SHEETFLOW) Other:			-	0	0	0		Irrigation				0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:		=		0	0	0	
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Gas Wells		-						Forest Clear			-		1000	(Section)		Herbicide U					0	Charles I	
				0	0	0	//	Forest Selec				0	0	0		Mowing/Shi	rub Cuttin	9	-	0		0	
Mine (surfa Mine (unde				0	0	0		Tree Plantati Tree Canopy		ory		0	0	0		Trails Soil Compa	ction			0	0	0	
	rground)		0	0	0		(INSECT) Shrub Layer	Browse	1		0	0	0		(ANIMAL OR H				0	0	0	
Military				0	0	0		(WILD OR DOME Highly Graze	ESTIC)			0	0	0		Offroad veh Soil erosion			TER.	0	0	0	
Other:			_	0	0	0		(OVERALL <3" H	IIGH)			0	0	0	-	OR OVERUSE				0	0	0	
Other:			_	0	0	0		Canopy Recently Bur			nd	0	0	0		Other:		116-194		0	0	0	
Other:				0	0	0		(BLACKENED)		-		0	0	0		Other:				0	0	0	
Fla	g codes:	K = N	io me	asure	ment			uspect measu lags in comme							igned b	y each field c	rew.		242	3168	304		

Buffer Sample Plots 05/27/2011



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⊘ Confirm	a fille	d da	ta bu	ıbble iı	ndicates presence and a	an unf	illed I	bubbl	e inc	licates	absence by filling in this bubl	ole	dell'		
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	0	0	6
Giant Salvinia	0	0	0		Perennial Pepperweed	Chi	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	•	6	•		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	Tide I	0	0	0		Other:	0	0	0	
	7, 1					1					Other:	0	0	0	3 -31
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