2		
CLEVELAND METROI	PARKS Plant Community Ass	sessment Program: Quality Control Form
Project Label:	PCAP	Plot No: 327 Date Sampled: 7/15/13 Lead: Metropadts

Parking/Access out	side of Park Boundaries	Y (N	Comment required if item answer is NO
Field journals com		(Y) N	- Comments section below
Site sketch made or	1:3000 map?	(Ý) N	
Check cover page	X-axis Bearing of plot recorded	(Y) N	
	GPS coords. Recorded	(Y) N	
	North direction recorded	(Y) N	
	Fnotographs taken?	(Y) N	
Plot No., Date agree		(Y) N	
Header data complet	ed all pages?	(Y) N	
Cover classes record	ed in all Intensive modules	(Y) N	
Browse Level By Sp	ecies	(Y) N	
Voody stem quality	control check	(v) N	
nvasive plant quality	control check	Q N	
sh trees mapped		(Y) N	
over by Strata? (cor	firm cover type)	(Y) N	
	with matching plot #.	N	
ouchers labeled on o	datasheet with initials and number	Ø N	
ouchers labeled on o	collection bag	(B) N	
nk flags removed		Ø N	
ata sheet QA before	leaving site?	(Y) N	
mmon equipment re		(Y) N	
ita sheets scanned?		7/19/13	Face day of the same of the sa
nal data sheets scann	ed?	170/12	Enter date to left
ffer Widths measure	ed?	YN	Enter date to left
b Soil Survey		N	AL 6-20-13
ucher Location	Refrigerator	(Y) N	110119-0
ouchers collected)	Press (#)	TI N	Enternal
)AM 111- [Drier	YN	Enter number to left
	Identified	YN	
<i>J</i> 1777 110	Mounted	Aller Services	
	Thrown away	Y N Y N	

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, lake)	
	Managed mowed area (i.e. golf course, picnic area, right-of-way)	
	Paved area (i.e. parkinglot, road)	
	☐ Unsafe to sample (i.e. steep slope)	
	□ Other	

Traditional Comments	Additional	Comments
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27

Tall

В

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	Data Sheet Plot No.: 1322 Page 2 of 2
Project Label: PCAP Project Name:	39.05
MODIFIED NATURESERVE CLASS* Fit= Conf=	DISTURBANCES type* severity** yrs ago % of plot description Human
	Natural
	++
Mixed Parest	Animal Other
	**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high
HOMOGENEET Compositional trend across the plot	Current Land Use: Unkmowy
© Conspicuous inclusions © Irregular/pattern mosaic	
HYDROLOGIC NEGROES (Seldom flooded)	Intermittently flooded
saturated	Semipermanently flooded
(seldom flooded)	Permanenty modes
i. Saturateu	□ Tidal/Seiche flooded monthly
(dry <1/4)t, settloin moodes (n Occasionally flooded (<1/4r)	☐ Tidal/Seiche flooded irregular
	(e.g. wind, storms)
(by default unless plot is a wetland)	nown
presentativeness of plot to	stope Slope community matters for a mixture of day + wet specules. Slope Slope community matters for a mixture of day + wet specules.
<	" of it small " cuesk" along midling is bone soil,
	ity that of small the swatch of made on top of with snakes. polist includes the swatch of made on top of
open side of the stape.	

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Project Label: Total modules: Cleveland Metroparks S H (F)(A) Br 4 2 'n 7 Importions cappensis 4 P Moss sap E-MONYMUS DIQUIANS Francis Course Sauce Lognus Ranunculus Algordus Poly Styla upa Circia lutotiama Solidage Caesia Carpinus carolinians Dryopteris car Housiana Parthonoussus Tills americana Carya Allium traisoccium CHAMILERS HUNUS SOUTHING Br = Browse Level. Use cover classes to describe amount of browse per species over ragus aradifolia averes rubra DOS SAUMIT rodophyllum peltatum Transinus spa libria penoluta Cer SOCCHOON A spo Seedling 1 ¥6 perditormis Species (Seac) M entire plot awast cordes (seedling) quinque folio Seedin ဂ %unveg. ground (bare soil) Intensive modules: %unvegetated open water intensive module: Estimate for each C3-1454 148+2 %unveg. litter (bare litter C3-1450 Project name: 0 H; 2013 Voucher # %open water L _ ع _ S • 쥖 w N W ഗ S Q C O 8 \boldsymbol{x} cov | depth 0 5 Plot configuration: r c ı N 3 0 S N W cs N ğ ş **B**06 M S Plot no.: 1322 J. w 5 8 20 3 Ē W C r S U 20 8 3 13 £ depth 2 Ŀ N 1 T 79 S 5×2 6 40 3 ۲, a 1 N Ø coy depth 77 7 9 depth E Г C 2 N Plot area (ha): Q.D& _ S 8 8 ىن F c 12 Page of 3 T 200 C تم نی 1 epth 2 ~ W 1 r comer ş COV نر 9 depth depth mg. æ comer 8 ş æ 4

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

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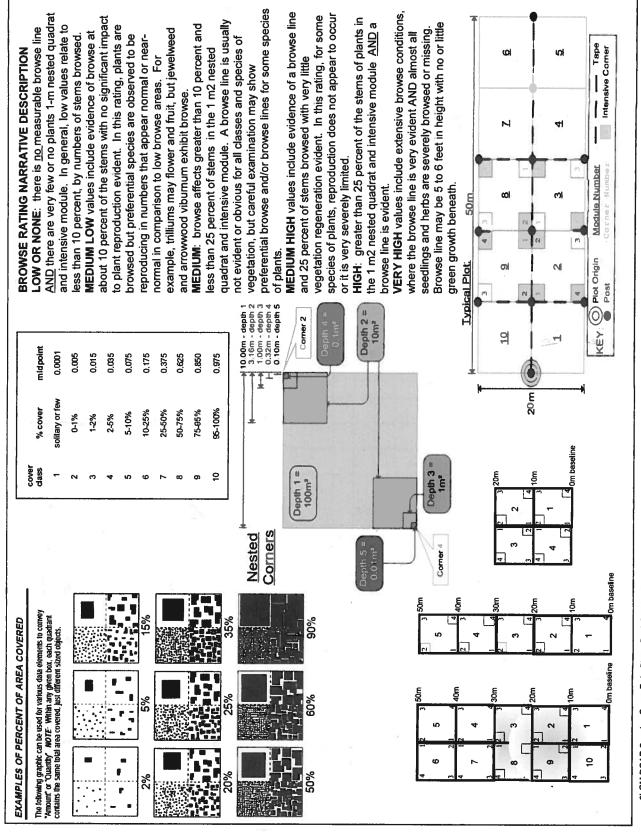
TA KERK

Natural Resources Management FORM NR/2010-02b

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

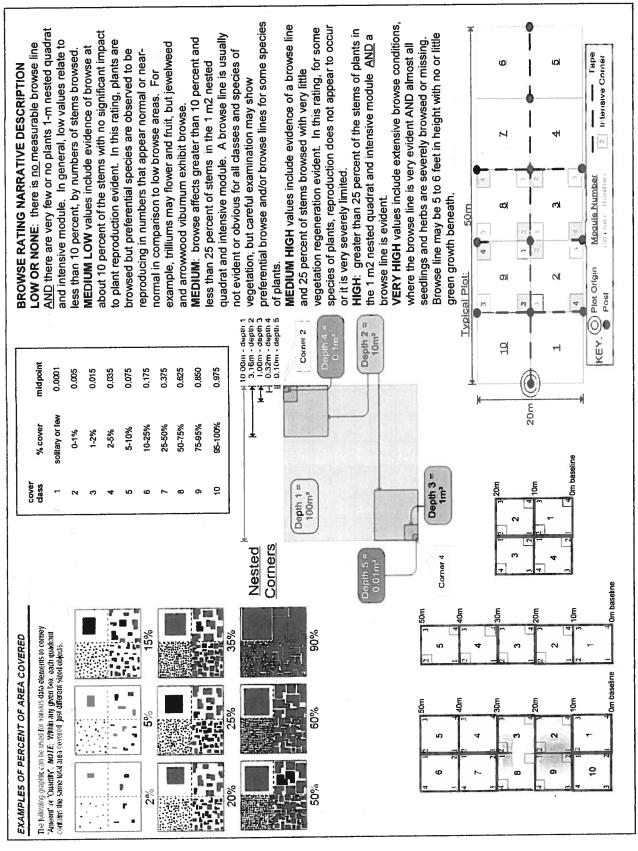
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Natural Resource Management FORM NR/2010-02a



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

Br Browse Level Use cover classes to describe amount of browse per species over summer some level use cover classes to describe amount of browse per species over summers amount of browse amount of browse per species over summers amount of browse amount of browse per species over summers amount of browse amount of browse per species over summers amount of browse per species over summers amount of browse amount of browse amount of browse per species over summers amount of browse amount of browse per species over summers amount of the species over summers amount of th	Project Label:	bel:	PCAP		Project Label: PCAP Project name: 01 Hi 2013	9	エ	ois S			Plot no.:		1322									
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2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

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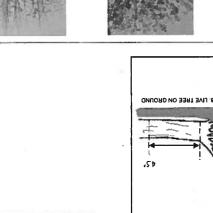
CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Parthehocissus quinquella Par nigrum Acar sacoharum Quercus rubra Explain subsample (additional room on back): Evonymus obovotu E nonymus o boyatus Aur saucharum otanding dead Tilia omericana Standing dead Querius rubra Standing dead ROSA MULTIFLORA Awar saicharum Fraxinus pernsylvonia Acer sacharum 1: l'a americana Ostron virginiana rathegus so Fraxinus pennsylvanica carpinus carolinions [ilia.apnericana arpinus caroliniana and sp. Project Label: PCAP voucher# 0 0 D # stems browsed . 0-1.4m or super % sub Project Name: Of H. 2013 shrub H H H U size class (cm) woody stems >1.4m 超 <u>م</u> 図コ 2000 :1 13 · . [] 1-<2.5 00 31 2.5-<5 I I Plot No.: 1322 5~10 10-<15 15 - <20 Ф 20 - <25 Page: _ 25 - <30 30 - <35 잌 Cieweland Metropaiks 35 - <40 ö 46.9 52.8,55.5 >40 (record each tree)

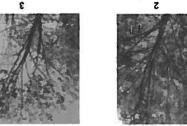
Woody Stem Deer Browse

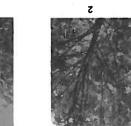
tall that exhibit evidence of this years deer browse. Record the number of stems/plants between 0.5-1.0 meters











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BORL DNINGER (C







DBH Measurement Rules

ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- sunlight, die naturally and are not considered.
- 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 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.

a

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

(lowest branch) on the trunk.

rank as described below)

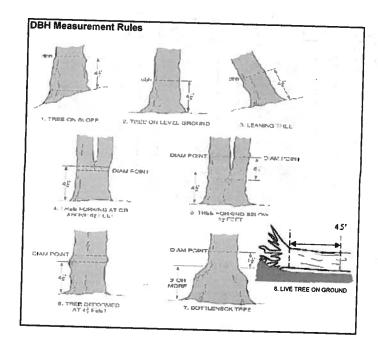
A: All main branches contain fine twigs (newly dead).

3PCM PCAP Ash_Cheat Sheet ver 2.0.xls5/29/2012ceh

- B: Over 50% of main branches have fine twigs.

- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet o Magnolia acuminata Parthenoussus quinquestion Alex saccharum Ulmus rubra Explain subsample (additional room on back): Fraxinus pennsylvanica Prunus serotina Standing dead Ulmus sp. Prunus serotina Comya conditormis Corpinus cardiniana Toxidandion radicals I tounding dead Acer rubrum Tella americana traxinus pentsylvania Alex saccharium Standing dead Alex Digrum Fagus grandifolia Acer nigrum Tilia americana Project Label: PCAP voucher# browsed # stems 9 0-1.4m sample or super % sub Project Name: OI HE 2013 clumps shrub size class (cm) woody stems >1.4m 8 <u>ک</u> 00 1-<2.5 2.5-<5 Plot No.: 1322 5-<10 10 - <15 15 - <20 20 - <25 Page: 25 - <30 30 - <35 Cieveland Metropairks 35 - <40 5 王.5 >40 (record each tree) =



Woody Stem Deer Browse

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

Record using the tally system from 1 to













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



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.

Company of the second

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Explain subsample (additional room on back): Prunus serotina Standing dead Quercus rubta Guercus rubra Evonymus obavodus Overcus rubia Fraxinus pennsylvania towns grandifolia Querous much tenbergii Acor sauchorum ROSA MULTIFLOPA Awar salcharum Querous much lenbergii Standing dead PHINES CERTISUS Fayors grandifolia Cornus allernatell Project Label: PCAP voucher# # stems browsed 0-1.4m H or super sample % sub Project Name: 01 Hi 2013 clumps shrub # size class (cm) woody stems >1.4m 8 <u>사</u> 0 0 -1 1-<2.5 • • Plot No.: 1322 0.0 5<10 10 - <15 15 - <20 0 Φ 20 - <25 Page: 25 - <30 W 30 - <35 잌 Cleveland Netroparks 35 - <40 ō 2,08 49.8,48.1 >40 (record each tree) Ξ

Woody Stem Deer Browse

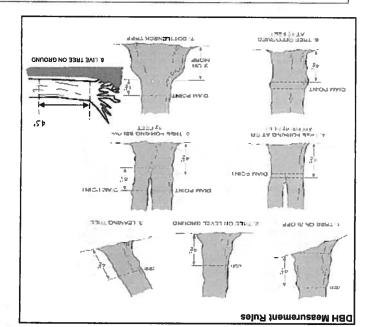
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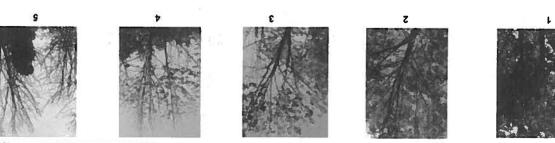
Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.

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ASH CANOPY CONDITION

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- 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
- samilght, die naturally and are not considered.

 5. Dead canopy: No leaves remain in the canopy portion 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 leaves that should be there are spicormic sprouts below the canopy of the canopy.

ASH CANOPY BREAKUP CONDITION (for dead trees):

(lowest branch) on the trunk.

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

8

- 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 tedions main breaches
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

23 23

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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)

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adule usina Tree ID number	Mon all ach trook >10cm in each module using Tree ID number			+						-112	ŏ	20	
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Page: 1 of 2	Date: 7/15/13	Plot No.: 1322 Date:	Plot No.	(J)	Project Name: 51 Hi 20 3	601	Sheet roject Nan	Fraxinus	Borer - I	LEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet	D METRO	VELAN	딞
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	Japanese stiltgrass Lesser Celandine ne) Black Swallow-wort nd) Flowering Rush Giant Hogweed s as Needed Norway Maple Tree of Heaven ne) Japanese Honeysuckle d) Purple Loosestrife nr) Bishop's Goutweed nr) Asian Bittersweet nr) Hedgeparsley Poison Hemlock Common Buckthorn (shrub) Japanese Barberry (shrub) European Alder Cut-leaf Teasel Autumn Olive (shrub) Amur Honeysuckle (shrub) Wintercreeper sof Interest Lily of the Valley Crown Vetch Five-leaf Aralia (shrub) Japanese Pachysandra Mock Orange (shrub) Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant Garlic Mustard Common Privet (shrub) Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn (shrub)	Japanese stiltgrass Lesser Celandine ne) Black Swallow-wort nd) Flowering Rush Giant Hogweed s as Needed NE Norway Maple Tree of Heaven e) Japanese Honeysuckle d) Purple Loosestrife er) Bishop's Goutweed e) Asian Bittersweet Hedgeparsley Poison Hemlock Common Buckthorn (shrub) Japanese Barberry (shrub) European Alder Cut-leaf Teasel Autumn Olive (shrub) Amur Honeysuckle (shrub) Wintercreeper is of Interest NE Lily of the Valley Crown Vetch Five-leaf Aralia (shrub) Japanese Pachysandra Mock Orange (shrub) Lungwort Wineberry Yellow Flag Iris Star of Bethlehem European Cranberry (shrub) Doublefile Viburnum (shrub) and abundant Reed Canarygrass Phragmites Japanese Knotweed Glossy Buckthorn (shrub) Multiflora Rose (shrub) Multiflora Rose (shrub) Multiflora Rose (shrub) Canada thistle	Japanese stiltgrass Lesser Celandine De) Black Swallow-wort Difflowering Rush Giant Hogweed Sas Needed NE Norway Maple Tree of Heaven Difflowering Rush Difflowering Rush Difflowering Rush SE Norway Maple Tree of Heaven Difflowering Rush NE Norway Maple Tree of Heaven Difflowering Rush NE NE NE NE Difflowering Rush NE SE Norway Maple Tree of Heaven Difflowering Rush NE SE Norway Maple Tree of Heaven Difflowering Rush NE SE Norway Maple Tree of Heaven Difflowering Rush NE SE Norway Maple Tree of Heaven Difflowering Rush NE SE Norway Maple Tree of Heaven Difflowering Rush NE SE Norway Maple Tree of Heaven Difflowering Rush NE SE NE SE NE SE NE SE NE SE S	Japanese stiltgrass Lesser Celandine Del Black Swallow-wort Di Flowering Rush Giant Hogweed Sas Needed Norway Maple Tree of Heaven Di Japanese Honeysuckle Di Asian Bittersweet Hedgeparsley Poison Hemlock Common Buckthorn (shrub) Japanese Barberry (shrub) Amur Honeysuckle (shrub) Wintercreeper Sof Interest Work Plants NE SE SW Norway Maple Tree of Heaven Dispanese Honeysuckle Dispanese Honeysuckle Dispanese Barberry (shrub) Dispanese Barberry (shrub) Dispanese Barberry (shrub) Wintercreeper Sof Interest Work Plants NE SE SW Dispanese Pachysandra Mock Orange (shrub) Dispanese Pachysandra Mock Orange (shrub) Doublefile Viburnum (shrub) Doublefile Viburnum (shrub) Bush Honeysuckles (shrub) Bush Honeysuckles (shrub) Bush Honeysuckles (shrub) Dispanese Knotweed Glossy Buckthorn (shrub) Multiflora Rose (shrub) Canada thistle	Japanese stiltgrass Lesser Celandine Lesser C	Japanese stiligrass Lesser Celandine le) Black Swallow-wort nd) Flowering Rush Giant Hogweed s as Needed NE SE SW NW Norway Maple Tree of Heaven ly Japanese Honeysuckle d) Purple Loosestrife rir) Bishop's Goutweed ledgeparsley Poison Hemlock Common Buckthorn (shrub) Japanese Barberry (shrub) Japanese Barberry European Alder Cut-leaf Teasel Autumn Olive (shrub) Amur Honeysuckle (shrub) Wintercreeper Is of Interest NE SE SW NW NW NW NW NW NW NW NORWAY Maple Tree of Heaven Purple Loosestrife Interest NE SE SW NW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest NE SE SW NW Interest

4bCM PCAP Invasive species datasheet.xls last revised 6/11/2012 ceh

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a
Project label: PCAP Project Name: 01 H \ 2013

Circumstand Metroparks

Page: 1 of 1

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

Soil pit module # 16 (one per entire plot) e cm 20 cm matrix color 4 matrix color OVE 4/2 hydr. cend.*** exture* oxid roots nottle color M/A edox features** hydro. cond.*** redox features** mottle xid roots mottle ittle color 54M4/2 I S M I S WD z

* refer to texture classes on reverse side

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

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

2 worms and Custings present

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

TRAIL INFORMATION: ecord type and cover for each

Parent Material:	Depth to rest. Layer: More In on 80 " 10 cm	Landform type: Till Plain SK	Soil Series Source: Ohio Soil Survey	Soil Series Type E 162 - E115 WORTH Sill LOUG	Web Soil Survey Information:	2,3,8,9 composited A	Soil Collection Moduld Horizon (A. B. C.)
) cm	KE 8/3-	i.	11 Loan	77	3	

c Impermeable surface Excessively dr. Well drained Somewhat poorly dr Somewhat excessively Moderately well dr. Very poorly dr.

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

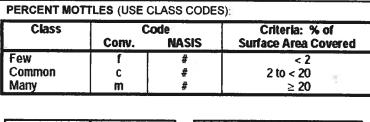
		-		
77	98	Ŋ	1)	mod#
4	¢	5.	.5	1 litter+ organic depth (cm)
		ίη	ů,	2 litter depth (cm)
Ö	0	0	0	water depth (cm)
730	>30	> 30.	730	depth sat soit (cm)

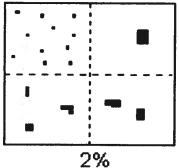
			_	4		_	0/		-	= 1	
**** <5 cm in diameter	*** >5 cm in diameter	**Boulder => 10 in	* Gravel-Cobble = 1/16-10"	Bedrock	Boulder**	Gravel-Cobble*	Mineral Soil	Histosol	(Sum = 100%)	Underlying Earth Surface*	EARTH SURFACE & GROUND COVER
meter	neter	'n	= 1/16-10°	0	1	O.	1009	0/	percent	Surface*	E & GROUN
Other	Road/Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm.+ Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	D COVER
	0	W	Ø		0	48	4	Ø	percent		

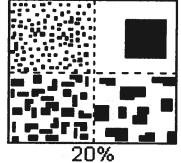
Strata	Height Range (m)	Total Cover (%)
Tree	۷. ۶	93
Shrub	0.5 5	63
Herb	5.0.5	28
(Floating)*	•	0
(Aquatic)*	•	0
noted and fi	 rooted and floating or slightly emersed 	rsed
** submersed,	** submersed, most plant mass below surface	ow surface
SEE BACK OF	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY CO	SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS, STRATA CAN VARY BY COVER TYPE.

□ Deer	□ Gravel	□ Bootleg unsanctioned	□ Hiking sanctioned	n Bridle	□ All Purpose	Туре
						%Cover

D SIZE O x plot size O x plot size o x plot size x plot size x plot size	0 < p	<u>.</u>	¥ 3-10	10-1	n > 100	n ~600	STAN
	< plot size	1-3 x plot size	3-10 x plot size	10-100 x plot size	> 100 x plot size	>600 x plot size	STAND SIZE







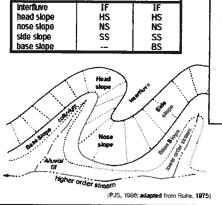
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but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

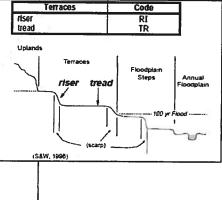
Position

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 stope or NS.

NASIS



POP



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.

summit shoulder backslope footslope toeslope	SU SH BS FS TS	
Su Sh Bs	Fs Ts Ts Albertum	Sh Su Bs + + + + + + + + +

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

UPLAND: Not a wetland. Very rarely flooded.

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

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

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

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

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

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

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

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

collected				CLASSIFICATION	Ž				Mc
Module #	çş	Comer Comer		(bli excellent g Fit and Confidence	Confidence				[FILL
			183	Hydrogeomorphic class (WETLANDS ONLY):	S CWETLANDS O	:CATIN			
				a DEPRESSION			Fit=Conf=_	1**	T
				a IMPOUNDMENT to Beaver to Human	Beaver o Human		Fit= Conf=	1111	Т
				D RIVERINE II Headwater II Mainstern II Channel	vater 🗆 Mainstem :	Channel	Fil= Conf=	1"	T
			-	□ SLOPE (µound water hydrology or on a physical slop)	hydrology or on a phy	sical slop	Fit Conf=_	i	Т
				o FRINGING a Reservoir a Natural Lake	voir 🛭 Natural Lakı		Fit= Conf=) i''	Т
				n COASTAL (specify subclass)	subclass)		Fit= Conf=	1"	Т
				BOG (strongly, moderately, weekly ombrotrophic)	rately, weekly omb	rotrophic)	Fit= Conf=	īl.	Γ
				Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	Community Class	CWETLANDS OF			<u> </u>
				- EOD ECT - swamp fo	owy in programme U	foract cash		ıı'	Ē
				DEMERGENT of marsh of wet meadow of open bog	h is wet meadow is	open bog	Fit Conf=	"	- T-
				ם SHRUB וו shrub swamp וו iall sh. bog ום iall sh. fen	mp criall sh. bog c	tall sh. fen		1	[
MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only	IC FEATURE COU	INTS - Intensive n	nodujes onty						
Ranks for microhabitat features. Select one or select two and average the score NOTE: If mod fails on a stope automatically gats ranked based on steepness (1-3) to begin + any features present	ures. Select one or sele	ct two and average the	score.NOTE: If mo	d falls on a slope autome	stically gets renked t	esed on steepness	(1-3) to begin + any	features present	
Stope 1 = sfight elevational grade across module (hit)	grade across module (h	riej	Slope 2 = falls on slope ~20 °	slope ~20°	Slope 3 = maxim	um steepness that o	Slope 3 = maximum steepness that can be salely sampled ~45°	d -45°	
0 feature is absent or functionally absent from the wettand 3 feature is present in the wettand in very small amounts or if more common, of low quality	tionally absent from the wetland in very small ar	wettand nounts or if more conur	on, of low quality				•	10100	
10 feature is present in moderate or greater amounts and of highest quality	derate or greater amou	nts and of highest qualit	7	Access decess					7
				c.w.d cour	c.w.d count for pieces with minimum 1m length	minimum 1m teng	3		Τ
	no. of	no. of	no. macro.	c.w.d	cwd	c,wd	microhab,	microhab	T
	lussocks	hummocks	depressions	(2-12 cm)	(12-40cm)	>40 cm	interspers.		
		uplands (Tip-Ups)							
	depth 3	depth 2	depth 1	depth 1	depth I	depth 1	depth 1	SLOPE	Γ
	lxlm	3 16x3.16m	10x10m	10x10m	10x10m	10×10m	10x10m	10x10m	
mod# corner	(count)	(count)	(count)	(count)	(count)	(count)	(rank)	(rank)	
2	0	0		22	_	0	W	2	
N	2	3	-	ない	0	>	7	7	
	3(770	7	36	N	N	
208	C	C		73	u	C	v	U	
97	0	a	-	Oi -	ב	G	v	N	
-									

Plot No.: 1322

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

Project Label: PCAP Project Name: 0 H 2013

Project Label: PCAP

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

@ Gleveland Webraparts Page: 1 of 1

AB INDICES (degrees) + for up - for down

ED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD] +9th degrees +45 degrees At aspect Ä z LFI is angle of plot to the horizon. TSI is angles formed by local slopes. For TSI measure angle from recorders eye to

idform Index (position within landscape) +315 degrees N.

+225 degrees

eye of person standing ~10 m

ажау.

+270 degrees

1 ŝ +135 degrees

SE

+180 degrees

rrain Shape Index (site recrotopographic shape)

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

77	16	w	2	Module	-
0	3	7	4	Z	
J	Ē	12	17	s	
7	18	10	12	E	
67	18	6	y	W	-

NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.

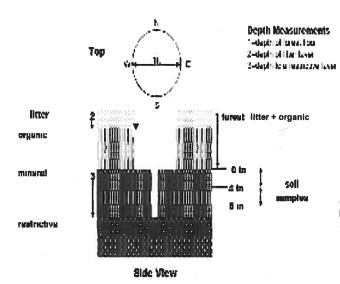
		ΔΤΔ

STRATUM	GENERAL FORM
Tree (generally >5 m)	Tree (overstory), very tall shrubs*, liana, epiphyte)
Shrub (generally 0,5 to 5 m)	Tree (sapling), shrub, liana, epiphyte)
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Floating	Floating
Aquatic (submerged)	Submerged

"Very tall shrubs are sometimes included in the tree stratum

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

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



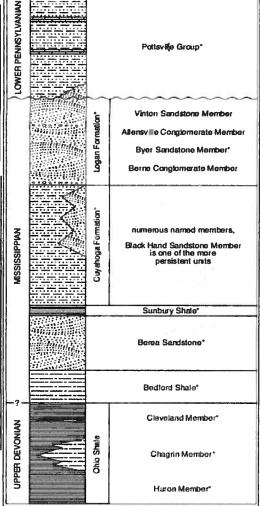


FIGURE 3-20.—Generalized section of Upper Devonian, Missesippian, and Lower Pennsylvanian formations in northeastern Ohio. Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to ecale, but the thicknesses indicated are proportional. The term "Waverty 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 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 missive sandstone that is fairly undespread but discontinuous. See Hyde (1953), Hoover (1960, and Collina 19"9 for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

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						D D	!-		Buffer							heant: No trac	canony					
Fill in bubble Strata Secti	es for all th on: Fili in a	nat app approp	riate o	nopy cover c	lass b	ubble	for eacl	s; E = Evergre n strata type fo	en. Lear i or each plo	ype: 6	Absen	t; 1 = :	Sparse	(<10%	6); 2≃Mo	derate(10-40	%); 3 = Hea	vy (40-75°	6); 4 = \	ery He	eavy (>	>75%)
Buffer	Canop	у Тур	e: 🕞) () At	sen	: O	Buffer	Canop	у Тур	e: 🕒) () At	sent	: O	Buffer	Canopy	Type: (D C) Ab	sent:	0
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Small Trees (<0.3m DBH)	0	0	0	0			Small Trees (<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH)	00	0	0	0	
Woody Shrub	s, Saplings n-5m HIGH)		0	0	0	0		Woody Shrubs (0.5m	s, Saplings -5m HIGH)	0	0	0	0	0			ıbs, Saplings m-5m HIGH)		0	0	0	
Woody Shrub		0	0		0	0		Woody Shrub: (<0	s, Saplings .5m HIGH)	0	0	2	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	00	0	0	0	
	orbs and Grasses		0	•	0	0			orbs and Grasses	0	0	0	0	0		Herbs,	Forbs and Grasses	00	0	0	0	
Bare	ground	0	0		0	0	1	Bare	ground	0	0	0	0	0		Bar	e ground	00	0	0	0	
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			_	_	•	_	rm that	a filled data		_		resen	ce and	d an	unfilled				illing th	is bub	ble.	•
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Road - tw	o lane	No. if		0	0	0		Dike/Dam/		R Bed		0	0	0		Range			0	0	0	
Road - four lane OOO		Water Lev		ol Stru	cture	0	0	0		Row Crops			0	0	0							
Parking Lot/Pavement O O O			Excavation	n, Dredgi	ng		0	0	0		Fallow Fiel	d (RECENT- D)	RESTING	0	0	0						
Golf Coul	rse	DIST		0	0	0		Fill/Spoil Banks			0	0	0		Fallow Field (OLD - GRASS, SHRUBS, TREES)			0	0	0		
Lawn/Par	rk			0	0	0		Freshly Deposited Sediment (UNIVEGETATED)			0	0	0	-	Nursery			0	0	0		
Suburbar	Resider	ntial		0	0	0		Soil Loss/Root Exposure				0	0	l	Dairy			0	0	0		
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Landfill				0	0	0		Inlets, Out	11:33			0	0	0		Confined Animal Feeding			0	0	0	
Dumping	1931			0	0	0		Point Source/Pipe (EFFLUENT OR STORMWATER)			0	0	0		Rural Residential			10	0	이		
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Other:				0	0	0		Other:				0	0	0		Irrigation			0	0	0	
Other:				10	0	0		Other:	+7			0	0	0	L	Other:			10	0	0	
indu	ustrial C)evel	opm	ent s	Stres	sor	S						Habi	tat/V	egeta	tion Stress	sors					
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Oil Drillin	9			0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	Jse		0	0	0	
Gas Well	is			0	0	0		Forest Sele	ctive Cu	t		0	0	0		Mowing/Sh	rub Cuttin	9	0	0	0	
Mine (sur	rface)			0	0	0		Tree Planta	ition			0	0	0		Trails			0	0	0	
Mine (un	dergroun	d)	sal.	0	0	0		Tree Canop	y Herbiv	ory		0	0	0		Soil Compa (ANIMAL OR H	action (UMAN)		0	0	0	
Military				0	0	0		Shrub Laye		ed		0	0	0		Offroad vel		age	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		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
										Other:	0	0	0	
		14 10			PLOT COORI	DINA	TES	12						
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05/27/2011

Buffer Sample Points - Targeted Alien Species



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	NJ PA	FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial):												-(
Site ID	:	P	CA	Р	1	li	322	JY.	į, ili					DATE	E: 0.7/1.5/2.01.3							
Location	1:	Ţ.						Fill	in b	ubb	le(s)	if p	lot(s) cou	ld not be	sample	ed a	nd fla	ag -	→		
O AA Ce	enter O	N	0	S	OE	0	-		Plot 1			Plot			lot 3							
Fiil in bubbles f Strata Section:	for ail that appi : Fiii in appropr	ly: Car	nopy 1 over c	Γype; l lass b	D = D ubble	eciduous for eact	s: F = Everare	Buffer en. Leaf 1 or each pic	Type: B	= Bro	oadiea	f: N = 1	Veedle	Leaf. A	bsent: No tre derate(10-40	e canopy. 1%); 3 = Hea	avy (40	-75%),	4 = V	ery He	avy (>	75%)
Buffer C	апору Туре	: 🕥	0) Ab	sent	: O	Buffer	Canop	у Тур	e: () At	sent	: O	Buffer	Canopy	/ Туре	e: 🕖	(1)	Ab	sent:	0
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Big Trees (>0.3	3m DBH)	\odot	0		0		Big Trees (>	0.3m D8H)	0	0		0	<u> </u>		Blg Trees	(>0,3m DBH		0	0		<u> </u>	
Smail Trees (<0.3	3m DBH)	O	0	0	0		Smail Trees (<0.3m DBH	0	0	②	3			Smail Trees	(<0,3m DBH	0	0	<u> </u>	•	0	
Woody Shrubs, S (0.5m-5m		0	0	(1)			Woody Shrub (0.5m	s, Saplings +5m HIGH)	0	0	X	0				ubs, Saplings 5m-5m HIGH		0	Z		0	
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Bare g		0	0	0	0		Bare	ground	0	0	0	0	0		Ва	re ground	0	9	0	0	0	
Litter	r, duff 💿	0	0	0	0		Li	tter, duff	0	0	0	(3)	•		ı	Litter, duff	0	0	0	0		
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	ential and							Hydrolo				1 1 4				Agricult						
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Road - grave			0	0	0		Ditches, C	hanneliz	ation		0	0	0		Pasture/H	lay	8.1		0	0	0	
Road - two I		7 16	0	ō	Ö		Dike/Dam/		R Bed		0	0	0	-	Range				0	0	0	
Road - four	lane	177	0	0	0		Water Lev		ol Stru	cture	0	0	0		Row Crop	S			0	0	0	
Parking Lot/	/Pavement		0	0	0		Excavation	n, Dredgi	ing		0	0	0		Fallow Fie		-RESTI	NG	0	0	0	
Golf Course			0	0	0		Fill/Spoil Banks				0	0	0		Fallow Fie		RASS,		0	0	0	
Lawn/Park		N.	0	0	0			Freshly Deposited Sediment (UNVEGETATED)				0	0		Nursery				0	0	0	
Suburban R	Residential	811	0	0	0		Soil Loss/		osure		0	0	0		Dairy				0	0	0	
Urban/Multil	family		0	0	0		Wall/Ripra	ip			0	0	0		Orchard				0	0	0	
Landfill			0	0	0		Inlets, Out			150	0	0	0		Confined /	Animal Fe	eding		0	0	0	
Dumping			0	0	0		Point Sour	OR STORM	WATER	₹)	0	0	0		Rural Residential				0	0	0	
Trash			0	0	0		Imperviou: (SHEETFLOV		inpu		0	0	0		Gravel Pit				0	0	0	
Other:			0	0	0		Other:				0	0	0		Irrigation	e Grat			0	0	0	·
Other:			0	0	0		Other:				0	0	0		Other:				0	0	0	
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Oil Drilling	Manager St.		0	0	0		Forest Clea	ar Cut			0	0	0		Herbicide I	Use			0	0	0	
Gas Wells		- 22	0	0	0		Forest Sele	ective Cu	it		0	0	0		Mowing/St	hrub Cuttir	ng		0	0	0	
Mine (surfac	ce)	an j	0	0	0		Tree Planta	ation			0	0	0		Trails				•	0	0	1
Mine (under	rground)		0	0	0		Tree Cano	py Herbiv	vory		0	0	0		Soil Comp (ANIMAL OR	action HUMAN)			•	0	0	1
Military			0	0	0		Shrub Laye		ed		0	•	0		Offroad ve		-		0	0	0	
Other:			0	0	0		Highly Gra	zed Gras	ses		0	0	0		Soil erosio		IND, W	ATER,	0	0	0	
			0	0	0		Recently B Canopy	urned Fo	prest	lik	0	0	0		Other:				0	0	0	
Other:			0	0	0		Recently B		rassla	nd	0	0	0		Other:				0	0	0	
							(BLACKENED								1.0							_

Fiag codes: K = No measurement made, U = Suspect measurement., F1,F2, etc. = misc. flags assigned by each field crew.

Explain all flags in comment section on the back of this form

Buffer Sample Plots 05/27/2011

2428168304



	Site ID:		J. J.		Hi 1322	DA	TE:	0.	7.1	Reviewed		uarf: _
	@ Confirm	a fill	ed d	ata b	ubble Indicates presence and an u	rfilled	bubl	ole In	dicator	cheere to gue	-	
Fill b	pubble if present - Plot	1	2	3	Flag Fill bubble if present - Plo	T	1				_	
Euras	sian Watermilfoil	0	0	0	Purple Loosestrife	+	2	3	Flag	Fili bubble if present - Plot	1	2
Wate	er hyacinth	0	0	0	Knotweed	0	0	10		Johnson Grass	0	C
Yello	w Floating Heart	0	0	0	Japanese Knotweed	0	0	0		Kudzu	0	C
Giant	t Salvinia	0	0	0	Perennial Pepperweed	10	0	0		Multiflora Rose	•	•
Garlic	c Mustard	0	•	0		0	0	0		Common Buckthorn	0	0
Poisor	n Hemlock	0	0	0	Giant Reed	10	0	0		Himalayan Blackberry	0	0
Mile-A	A-Minute Weed	0	0	0	Cheatgrass	0	0	0		Tamarisk	0	0
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ocation:				•		OPI			O Plo) Pk								
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in bubbles for all that apply: Canorate Section: Fill in appropriate cover	y Typ er clas	e: D = s bub	= Dec	iduous; r each :								af. Abs			vy (40-	75%)	4 = Ve	y Hea	vy (>: ent:	75%)
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all Trees (<0.3m DBH)			<u> </u>		mall Trees (9	0		_	\dashv	Small Trees Woody Shru	ubs, Saplings	1	$\frac{1}{0}$		=-	5	
oody Shrubs, Saplings (0.5m-5m HIGH)	D 6		<u> </u>	1		n-5m HIGH)	0	0	\odot		_	_	(0.5	im-5m HIGH) ibs, Saplings				_	허 ゔ	
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Stressor Presence/Abs	ence	2 - C	onfin	m that	a filled dat	a bubble i	indica	ates pr	esence	and a	an ur	filled	bubble ind	icates abs	ence	by fil	ling this	s bub	ble.	9
Residential and Urba						Hydrole	ogy :	Stres	sors					Agricul	turai	& R	ural S	tres	-T	
	1	2	$-\tau$	Flag	Fill bubb	ie if pres	ent -	Plot	1	2	3	Flag	Fill bubb	ie if prese	ent - F	Piot	1	2	3	Flag
iil bubble if present - Plot	0	히	Ö		Ditches,				0	0	0		Pasture/H	lay			0	0	0	
Road - gravel	허	0	0		Dike/Dan	n/Road/R			0	0	0		Range				0	0	0	
Road - two lane	6	0	0		(IMPEDE FI	vel Contr	ol St	ucture	0	0	0		Row Crop				0	0	0	
Road - four lane Parking Lot/Pavement	0	ö	0		Excavati	on, Dredg	ing		0	0	0		ROW CROP F	eld (RECEN			0	0	0	
Golf Course	0	ŏ	Ö		Fill/Spoil				0	0	0		Fallow Fi	eld (OLD - C REES)	RASS.		0	0	0	
Lawn/Park	Ö	Ö	O		Freshly I	Deposited	Sed	ment	0	0	0		Nursery				0	0	0	
Suburban Residential	ō	0	O			Root Ex	posu	re	0	0	0		Dairy			11 1	0	0	0	-
Urban/Multifamily	0	0			Wall/Rip	rap			0	0	0		Orchard				0	0	0	-
Landfill	0	0	0		Inlets, O				0	이	이			Animal F	eedin	g	10	10	8	
Dumping	0	0	0		(FEELLIEN	urce/Pipe TORSTOR	MWAT	ER)	0	0	이			sidential	_		0	0	6	+
Trash	0	0	0		(SHEETFL	ous surfac	e inp	ut	0	0	0		Gravel P		_		10	0	1	_
Other:	0	0	0		Other:				- 0	0	이		Irrigation			-	0	6	10	_
Other:	0	0	0		Other:				-0	0	0						10	10	10	
industrial Developm	ent :	Stres	ssor	s					- 1	labit	at/V	egeta	ation Stre	ssors					_	1
	1	2	3	Flag	Fill bub	ble if pre	sent	- Piot	1	2	3	Flag	Fili bu	bble If pr	esent	- Ple	ot 1	2	3	Fla
Fili bubble if present - Plot	0	0	0		Forest C		W.		0	0	0		Herbicid	e Use			0	0	0	1
Oil Drilling	+	1	6	-		elective C	and .		0	0	0		Mowing/	Shrub Cut	ting		0	0	O	
Gas Wells	10	0		-					0	0	0		Trails				0	C		
Mine (surface)	10	0	0		Tree Ca	ntation nopy Hert	oivory		0	0	0		Soil Con	npaction or HUMAN)			10	C	C	
Mine (underground)	10	+	10	+	(INSECT)	ayer Brow		5 11	0	0	•	-		vehicle da	mage	,	C	+	C	
Military	10	+	+	-	WILDOR	DOMESTIC) razed Gr)	3		-	-		Soil eros	sion (FROM	WIND,		11.0	+	_	
Other:	0	10	-	+	OVERALL	, <3° HIGH) y Burned			0	0	0	-		USE)		10 -	10	_	+	$\overline{}$
Other:	C	0	0)	Canopy				0	0	0	-					1			-
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Site ID:	_ F	CA	P	Hi	2013 1322	DA	re: _	0	71	1412013				
© Confirm	a fill	ed da	ata b	ubbie !	ndicates presence and an uni						ble			
Fill bubble if present - Plot	1	2	3		Fill bubble if present - Plot	1	2	3		Fili bubble if present - Piot			T.	Γ.
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0	-	Johnson Grass	1	2	3	F
Water hyacinth	0	0	0		Knotweed	0	0	0	1	Kudzu	0	0	0	L
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0	 	Multiflora Rose	0	0	0	H
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	_
Garlic Mustard	0	0	0		Giant Reed	0	0	0	 	Himalayan Blackberry	0	0	0	-
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	_
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0			0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0	-	Other:	0	0	0	
anada Thistle	0	0	0		Leafy Spurge			\vdash		Other:	0	0	0	
			91		and opurge	0	0	0		Other:	0	0	이	
		7111			PLOT COORD					Other:	0	0	0	
Buffer Plot 3 can not be according are centered on the Buf g box, and describe where the placed as close to the condinate	essector Tra	l, take ansec ordin of Ple	e the ets an ates ot 3 a	coording the coording the coordinate coordin	nates at the nearest practicable coordinates will indicate the location and why in the comment so tible or at the center of the last a	locat tion o ection acces	ion A of the obelo sible	LONG trans w. Th Buffe	G THE T lect. Fill in the coordi	RANSECT. This is important bin the "nearest practicable local inates of the nearest practicable and comment below)	ecalic	ile o	Ruff.	er in e
Buffer Plot 3 can not be accounts are centered on the Buf g box, and describe where her placed as close to the c Location of coordinate	essec er Tra he co enter s (ch	d, take	e the ets an ates ot 3 a	coording the coording were tall sposs (e):	nates at the nearest practicable coordinates will indicate the local liken and why in the comment so ible or at the center of the last a O W3 O Nearest practicable control of the last a O W3 O Nearest practical control of the last a O W3	location of section acces	ion A of the obelo sible	LON(trans w. Th Buffe	G THE T sect. Fill in the coording Plot.	RANSECT. This is important bin the "nearest practicable local inates of the nearest practicable	ecalic	ile o	Buffe e, fill can b	er in e
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G. mystad berbens Rosa

•	N				1811		FO	RM B-1:	BUFF	ER	SAI	MPL	E F	PLO	TS (F	Front)	Made	Reviewed	by (initi	al):		
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Location	on:								FIII	l in b	ubb	le(s) if [plot		uld not be					T	
OAAC	Center	C	N	0	S	0	E C	W	01	Plot	1	0	Plot	12	0	Plot 3						
Fiil in bubble Strata Section	es for all to on: Fill in	hat ap	ply: Ca priate (nopy cover	Type class	D = I bubbi	Deciduo e for eac	ıs: E ≃ Everare	Buffer en. Leaf I or each plo	Tyne: F	3 = An	nadies	f N =	Need	le I esf	Absent: No tree	e canopy. %); 3 = Hea	vy (40-7!	5%); 4 =	Very I	leavy	(>75%)
Buffer	Canop		-) (<u> </u>	bser	_	Buffer	Canop		_		<u> </u>	bser	_	Buffer	Canopy				bsen	
Plot 1	Lea	f Typ	e: 🌘) (Flag	Plot 2	Lea	af Typ	e: 🌘) ()		Flag	Plot 3	Leaf	Туре:	0	5		Flag
Big Trees (>	0.3m DBH	0	0	2	0	0		Big Trees (>	0.3m DBH)	0	0	2	9	0		Big Trees	(>0.3m DBH)	0		0	0	
imali Trees (<	0.3m DBH	0	0	0	0	0		Small Trees (<0.3m DBH	0	0	(0	0		Small Trees	(<0.3m DBH)	00		0	0	
Woody Shrubs (0.5m-	s, Saplings -5m HIGH)	0	0	0	(1)	0		Woody Shrub: (0.5m	s, Saplings -5m HIGH)		0	0	0	0			ibs, Saplings im-5m HIGH)	0 0	 	0	0	· · · · · ·
Woody Shrubs (<0.	s, Saplings .5m HIGH)		0		0	0		Woody Shrub:	s, Saplings .5m HIGH)		(1)	0	0	0		Woody Shru	bs, Saplings 0.5m HIGH)	0	_	0	Õ	
	orbs and Grasses	0	0	1	0	0			orbs and Grasses	0	(2)	0	0	Ō	1		Forbs and	0	-	ŏ	ŏ	
Bare	ground	0	0	0	0	10		Bare	ground	0	0	0	0	Ō		Bar	Grasses e ground	0		0	0	
Litt	ter, duff	0	0	0	•	Ō		Lit	ter, duff	0	8	(0	Ö	†	 	itter, duff	0 0	_	0	0	
	Rock	0	0	<u>(1)</u>	0	Ō			Rock	0	0		0	0	\vdash		Rock	0	-	0	0	
	Water	1	0	0	0	0			Water	1	0	0	$\frac{\circ}{\circ}$	0	 	 	Water	6		0	00	
	bmerged	2	3	0	0	<u> </u>			bmerged	<u>a</u>		0)(0	-	5	Submerged		-	 		
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	dential					11000	-		lydrolo					io an	unnile		Agricultu		-		-	
FIII bubbie	If prese	ent - I	Plot	1	2	3	Fiag	Fiil bubble		-		1	2	3	Flag			-	1	2	3	Flag
Road - gra				0	0	0	1	Ditches, Cl			100	0	0	0	riag			1100	1			riag
Road - two				0	0	0	الحا	Dike/Dam/I	Road/RR			0	0	0		Pasture/Ha Range	У		10	0	9	
Road - fou				0	0	0		Water Leve		l Stru	cture	-	0	0		Row Crops		-	0	0	0	
Parking Lo		nent		0	0	0		Excavation				0	0	0		Fallow Field		RESTING	10	0	0	
Golf Cours	se			0	0	ō		Fill/Spoil Ba		.5	-	0	0	6	 	Fallow Field	OLD - GRA		0	0	0	
Lawn/Park		Lak		0	0	0		Freshly De		Sedim	ent	0	0	0		SHRUBS, TRE	ES)		0	Ö	0	
Suburban	Residen	tial		0	0	0		Soil Loss/R	125-2	osure		ō	0	0		Dairy		R. al.	0	0	ö	
Urban/Mul	tifamily			0	0	ō		Wall/Riprap)		-	Ö	ŏ	ŏ	 	Orchard		-	0	0	3	-
Landfill	(lias)) X	An		0	0	0		Inlets, Outle	ets			0	0	0		Confined A	nimal Feed	dina	0	0	ö	
Dumping				0	0	Ō		Point Source		WATER		0	0	0		Rural Resid			0	0	0	
Trash				0	ō	ō		Impervious (SHEETFLOW	surface			0	0	0		Gravel Pit			0	Ö	0	-
Other:				Ō	0	o		Other:				Ö	0	ō		Irrigation			0	Ö	ŏ	
Other:		- 12.5		0	0	d		Other:				Ö	0	0		Other:			0	Ö	0	
Indus	strial De	evelo	pme	ent S	tres		3								egeta	tion Stress					<u></u>	B-ff
	if prese	ent - F	Plot	1	2	3	Flag	Fiii bubble i	f preser	nt - P	iot	1	2	3	Flag	Fiii bubbi	e If prese	nt - Plo	1	2	3	Flag
Oil Drilling	. /11/11			0	0	0		Forest Clear	*			0	0	0		Herbicide Us	1,300,00		0	0	•	2
Gas Wells	Type T			0	0	0		Forest Selec			1	0	0	0		Mowing/Shru			0	0	0	
Mine (surfa	ace)			0	0	0		Tree Plantati		Tio.I.		0	0	0		Trails	ab Outung		0	0	0	
Mine (unde	erground)		0	0	0		Tree Canopy	-	ory		0	0	0		Soil Compac	tion		0	0	0	
Military				0	0	0		(INSECT) Shrub Layer	Browsed	t		0	0	0		(ANIMAL OR HU	-			-		
Other:		17/60		-	-	0		(WILD OR DOME Highly Graze	d Grass	es	-	-	-			Offroad vehicles	-		0	0	의	
			-		의			(OVERALL <3° H Recently Bur		est	-	의	0	0	-	OR OVERUSE)			10	0	0	
Other:	-		-	의	의			Canopy Recently Bur			d	이	0	0		Other:			0	0	0	
Other:		V = -		0	0	이		(BLACKENED)				0	0	0	1	Other:			0	0	0	
	g codes: Iffer Sam					Expl	, U = St ain all fi	ags in comme	rement., int section	r1,F2, n on th	etc. = he bac	k of t	. flag: his fo	s assi rm	gned by	each field cre	w.	242	28168	304		

Site ID:	R	AP		HI	1322	_ D	TE:	0.7		Reviewed b	Y			
Confirm	a fiii	ad da	ata b	ubble li	ndicates presence and ar	n unfille	d bubt	le Inc	licates	absence by filling in this bub	bie		100	
Fill bubble if present - Plot		2	3		Fili bubble if present -			3	Flag	Fill bubble if present - Piot	_	2		-
Eurasian Watermilfoil	0	0	0		Purple Loosestrife		+-	0		Johnson Grass	-	-	3	Fla
Water hyacinth	0	0	0		Knotweed		+	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed			0		Multiflora Rose	0	0		
Giant Salvinia	0	0	0		Perennial Pepperweed	C	-	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	•		Giant Reed	C		0		Himalayan Blackberry	0	0	0	_
Poison Hemlock	0	0	0		Cheatgrass	C	_	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	C	-	0		Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	C	0	0	•	Other:	0	0		_
Canada Thistle	0	0	0		Leafy Spurge	C	0	0		Other:	0	0	0	
				E i			10			Other:	0	0	9	
	-			10,4	PLOT COO	00011				Other:	0	0	0	
Buffer Plot 3 can not be according are centered on the Buf ag box, and describe where ither placed as close to the contact of	esser fer Tra the co enter	d, tak ansection of Pi	e the	coording the coordinate the coordina	nates at the nearest practice coordinates will indicate the aken and why in the commitble or at the center of the	cable location e location ent sect last acc	ation A of the on bek	trans bw. Th Buffe	3 THE ect. Fil le coor r Plot.	TRANSECT. This is important to a limite the transfer of the rearest practicable local dinates of the nearest practicable.	ecau	se all	Buffe	er in th e
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ater hyacinth	0	0	0		Knotweed	0	0	0		Kudzu Multiflora Rose	•	0	•	
Now Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Common Buckthorn	0	0	0	
iant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Himalayan Blackberry	0	0	0	
arlic Mustard	0	0	0		Giant Reed	0	0	0			0	0	0	
oison Hemlock	0	0	0		Cheatgrass	0	0	0	-	Tamarisk	0	0	0	1
ile/Minute Weed	0	0	0		Reed Canary Grass	0	0	0	-	Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	10	0	-	Other:	0	0	0	
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