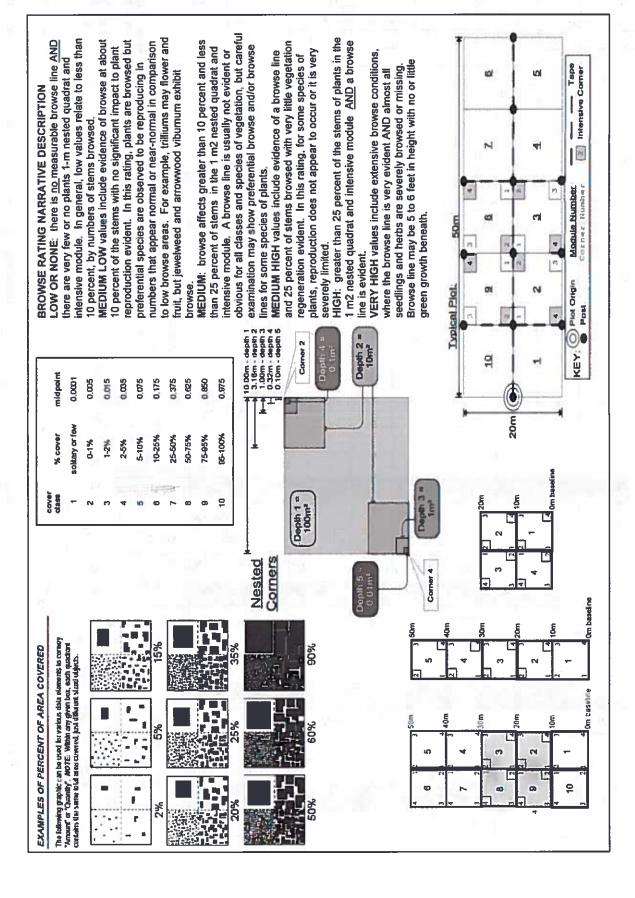
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	☐ Managed mowed area (i.e. golf	Course, picnic area, ri	ght-of-way)
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Additional Commer	nts:		

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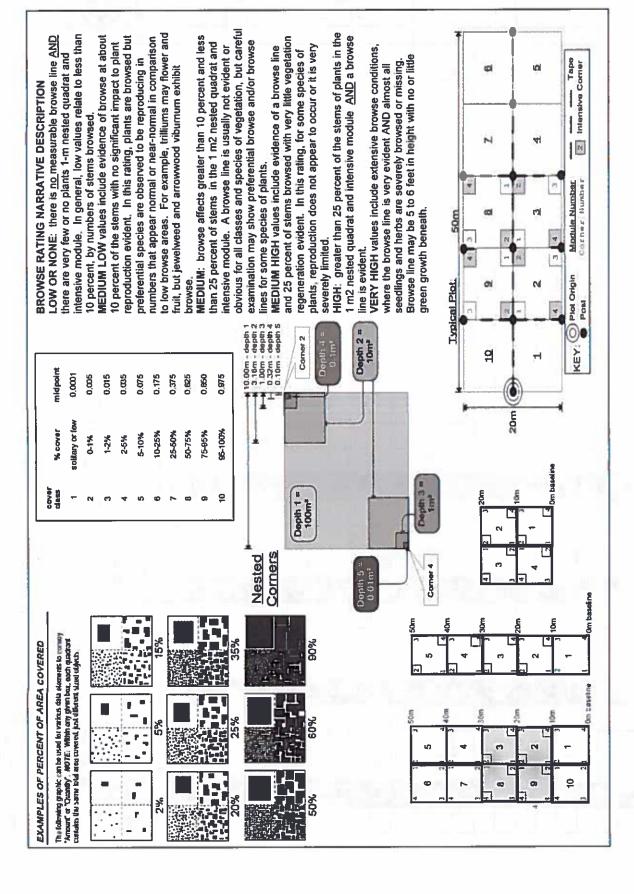
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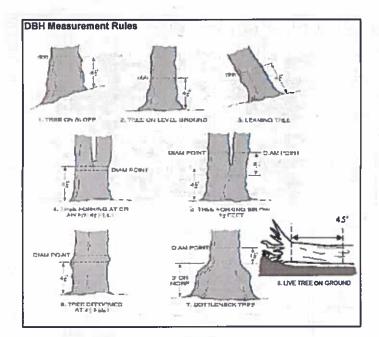
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Woody Stem Deer Browse

Record the number of sterns/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.
- 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.
- Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



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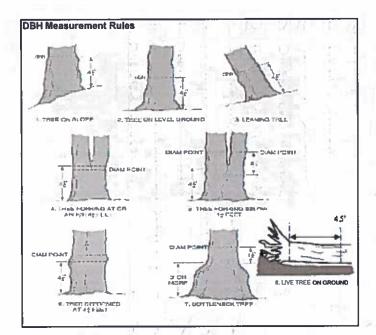
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ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

ナ CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 5 Sassatruss albidom (Santing) 3 Sassafross albidua (Secaling) Explain subsample (additional room on back): Standing Jean Prunus Sentina Sassafonss albidum Smilax potundifolia Sussections albidon (Seed Sassastruss albidum Sassafruss albidum LINGER BEACHIN JA OHO Larya lordiformus Standing Read Acar Sacharum Carya Gordishows Acel tubrum Vitis aestivalis larya ovata Irvas SeroHa 11th asstrain restation attitions (Septima) isolocation this fera assafrass albidua (VV) + locida Project Label: xeeder. PCAP voucher# . browsed 0-1.4m P a 0 or super % sub Project Name: WW ClolS shrub size class (cm) woody stems >1.4m 2 1-42.5 Plot No .: 3596 10 - <15 15 - <20 20 - <25 Page: 2 25 - <30 30-<35 Cleveland Metroparks 35 - <40 ö Ø/.0 >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

10













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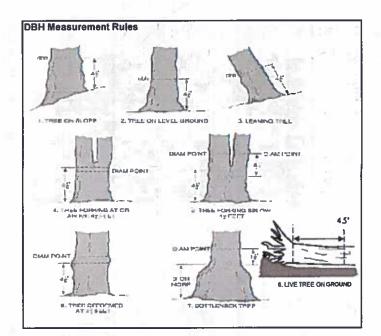
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3aCM PCAP Natural Woody Stem Data Sheet ver 2.0.xls last revised 5/29/2012 jim CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet ō to Acer subsum W 10 Standing dead Quercus alba Sassafrass albidur Quercus velutira Brow were Swilex ptublished Standing dead Explain subsample (additional room on back) Sussafrass albidum Vita aestivalis Acer rubra Liciodendron tulipite Jassatings attiton (Seedlas) SMilax Potralitali Acce rubrum Standing forms Jassafrass alliture (leading) . 6 Houling dear Sassafrass albidum(Liviadeadron + 1191 for Licioberdon thillten Rubus sp Secret Cotore SK CHICK Secotia dead Project Label: Seedland :: 4 Seeding = 4 PCAP voucher# # Sterns browsed 0-1.4m 6 or super % sub Project Name: 02W C2DIS dumps shrub size class (cm) woody stems >1.4m <u>2</u> 1-<2.5 2.5-<5 Plot No.: 3596 5-<10 10 - <15 15 - <20 Natural Resources Management FORM NR/2010-03a 20 - <25 Page: 25 - <30 30 - <35 Cieveland Metroparks 35 - <40 5 30 Col 76-8 >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













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ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet . □ a 25 2 23 123 22 강 18 17 16 5 ᇥ 1 5 0 Ch cu N If Ash Condition scores 5 (dead) provide breakup score (A-E)
 Count EAB exit holes 1.25m2 x 21.5m
 Woodpecker and epicormic marked present (1) or absent (0) Project Label: PCAP n Youcher # Project Name: D1WC2015 (E) DBH H Ash condition "Dead condition ASH Only holes Epicomic present INTENSIVE MODULES ONLY Plot No.: 3596 Date: 6-13-75 Woodpecker holes Baseline *** Change intensive module numbers when necessary Map all ash trees ≥10cm in each module using Tree ID number φ N Page: 1 of 2 00 6

CLEVELAND METROPARKS Pla	nt Community Assessment Pr	ogran	n: Inv	asive S	Species	Survey Clevela	nd Metroparks
Tier 1: Early detection,	/ Rapid response	T	Pre	sence		GPS	
		NE	SE	SW	NW		Presence
Microstegium vimineum	Japanese stiltgrass		Ti			41.38471,081.690	X: yes
Ranunculus ficaria	Lesser Celandine	\top					
Cynanchum louiseae (vine)	Black Swallow-wort						
-1	Flowering Rush						7
Heracleum mantegazzianum	Giant Hogweed						1
Tier 2: Assess a		Berg.	# of	Plants	3 - 010	comments	
		NE	SE	sw	NW		# of Plants
Acer platanoides	Norway Maple						1: 1-10
Ailanthus altissima	Tree of Heaven						2: 11-50.
	Japanese Honeysuckle	\top		1			3: 51-100
		+				 .	4: 101-1,00
Aegopodium podagraria (G-cover)	Bishop's Goutweed	+-		1		<u> </u>	5: >1,000
Celastrus orbiculatus (vine)	Asian Bittersweet	+	_	+			1
Torilis sp.	Hedgeparsley	+	+	+-		-	1
Conium maculatum	Poison Hemlock			+		<u> </u>	1
Rhamnus cathartica	Common Buckthorn (shrub	<u>, 1</u>		+	+		1
Rnamnus catnartica Berberis thunbergii	Japanese Barberry (shrub		.1	+	+		
		"	+	+		<u> </u>	1
Alnus glutinosa	European Alder			-	1		┨
Dipsacus laciniatus	Cut-leaf Teasel	, 		+	-		-
Elaeagnus umbellata	Autumn Olive (shrub		+-	+-			-
Lonicera maackii	Amur Honeysuckle (shrub	7	+-	+	-		-
Euonymus fortunei	Wintercreeper			7'			
Tier 3: Presence Is	s of Interest	015	# OT	Plants		comments	# of Plants
0 11 1 11 10 10 10 10 10 10 10 10 10 10	In the seal of the land	NE) DE	SW	NW	The state of the s	1: 1-10
	Lily of the Valley	-	_	+	\vdash	· · · · · · · · · · · · · · · · · · ·	2: 11-50.
•	Crown Vetch	+	+	 			-
Eleutherococcus pentaphyllus	Five-leaf Aralia (shrub	4-	+-	┿			3: 51-100
	Japanese Pachysandra	+	+-	+-			4: 101-1,00
Philadelphus coronarius	Mock Orange (shrub)	+	+-			5: >1,000
Pulmonaria officinalis (G-cover)		-		+			4
Rubus phoenicolasius	Wineberry	_	_	-			-
Iris pseudacorus (wetland)		+	_	-	-	_	-
Ornithogalum umbellatum	Star of Bethlehem		_	-	-		-
Viburnum opulus var. opulus	European Cranberry (shrub		_	-			-
Viburnum plicatum	Doublefile Viburnum (shrub)					-
Tier 4: Widespread	and abundant		_	sence	17% 3	comments	
		NE	SE	SW	NW		# of Plants
Alliaria petiolata	Garlic Mustard	+	+	-	-		1: 1-10
Ligustrum vulgare	Common Privet (shrub		_	-			2: 11-50
L. morrowii, L. tatarica	Bush Honeysuckles (shrub)		_	_		3: 51-100
Phalaris arundinacea	Reed Canarygrass		\bot	 	\vdash	<u>.</u>	4: 101-1,00
Phragmites australis (wetland)	Phragmites			1			5: >1,000
Polygonum cuspidatum	Japanese Knotweed						_
Frangula alnus	Glossy Buckthorn (shrub)		1		1		
Rosa multiflora	Multiflora Rose (shrub						
Typha angustifolia, T. x.glauca	Cattails (wetland)						
Cirsium arvense	Canada thistle						
Dipsacus fullonum	Common Teasel						
Hesperis matronalis	Dame's Rocket						
Vinca minor (G-cover)	Periwinkle	\top		1			7
	d "etem #" but in commant fig	اما واحد	cribe 4	06 001	onios :	and patch size (S.M. I.)	

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

		,													
1	10	9	œ	7	6	5	4	ω	2		mod #				CLEV
								33			species			Project Label:	CLEVELAND METROPARKS Plant Community Assessment Program Forest Pest and Pathogens Data Sheet
	= 8 1										voucher#				Communit
					1						clumps	*		PCAP	y Assessme
											<u>7</u> -	size class (cm) woody stems >1m		Proje	nt Progran
											2 1-<2.5	;т) жооду		Project Name: 02.14C2015 Plot No.: 3596	Forest
										1	3 2.5~5	stems >1r		のいん	Pest an
											5-×10		6	(20	d Patho
											5 6 10 - <15 15 - <20		,	3	gens Da
											_			Vot No.:	ta Shee
,											7 20 - <25			3590	
		!									e 25 - <30			0	
											9 30 - <35			Page:	a
											10 35 - <40			_	Cient
											7 8 9 10 11 20 - <25 25 - <30 30 - <35 35 - <40 >40 (record each tree)			약	Cieveland Metroports
														_	

* IF EVIDENCE OF PEST OR PATHOGEN RECORD TOTAL SPECIES POPULATION IN THE PLOT EVEN THE NOT INFECTED

	Shrub (size class 2 or below including shrub clumps)	Tree (size class 3 or above)	# of stem
			Severity d (H,M, or L)
Walnut (Thousand Canker)	Hemlock (HWA)	Beech (Fungus)	* Write None Present if no evidence:
anker)	Other Pest or Pathogen	Manue Asian Longhorned Beetle	

Seventy
High = more than 50% of leaf/needle cover exhibiting symptoms
Medium = Less than 50% of leaf/needle cover exhibiting symptoms
Low = Only a few leaves or branches are exhibiting symptoms

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
Project Label: PCAP Project Name: 02 WC 2015

Plot No.: 3594

Page: 1 of 1

MCNAB INDICES (degrees) + (or up - for down)
[Filled out using als program - do not fill out in field)

n FOREST n swamp forest n bog forest n forest seep n EMERGENT n marsh n wet mendow n open bog Ohio EPA VIBI. Plant Community Class (WETLANDS ONLY): o FRINGING o Reservoir o Natural Lake SLOPE (ground water by drology or on a physical slop) o RIVERINE o Headwater o Mainstein o Charnel D IMPOUNDMENT D Beaver o Human CLASSIFICATION a COASTAL (specify subclass) DEPRESSION Hydroggomagabis class (WETLANDS ONLY): FIT = excellent g Fit and Confidence SHRUB a shrob swamp a tall sh. bog a tall sh. for BOG (strongly, moderately, weekly ombrotrophie) Fit: 1 2 FICE Fig 1 Conf Conf= Conf= Confr Conf* Conf

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

ope 1 = sight elevational grade across module (NII) while for microhabitat features. Selections or selections and everage the acces, NOTE: If mod falls on a slope subomasically gets ranked based on steepmess (1-3) to begin + any features present Slope 2 = falls on slope ~20 * Slope 3 = maximum steepness that can be safely sampled ~45*

- feature is absent or functionally absent from the wetland
- teature is present in the wettand 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

9	04	w	2	mod#					
				сопист			1	0	TIV.
0	0	O	0	(count)	mixi	depth 3		iussocks	no. of
0	0		0	(count)	3.16x3.16m	depth 2	uplands (Tip-Ups)	hymmody	00. of
Ç	O	-	0	(count)	[fbx10m	depth I		depressions	no. macro.
13	16	17	14	(count)	10x10m	depth t		(2-12 cm)	cwd
2	=	-	_	(count)	10x10m	depth I		(12-40cm)	cw.d
0	0	e	C	(pount)	lostom	depth 1		×40 cm	p.w.d
2	7	1	2	(rank)	10x10m	depth 1		interspers.	microhab.
7	2	2	7	(rank)	10%10m	SLOPE			microhab

Terrain Shape Index (site microtopographic shape) andform Index (position within landscape) +225 degree +180 degree +315 degrees +170 degrees +135 degree + 90 degree +45 degrees At aspect ¥ WS S ă z €

> eye of person standing - 10 m

angle from recorders eye to

Cent.

angles formed by local slopes. For TSI measure

LFI is angle of piot to the

horizon, TSI is

9		3	2	Medule	Summer Court
57	60	2	_	z	Controlled by the Control of the Con
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K	12	2	C	e	
4	1	-	0	*	

SeCM PCAP Plant Cover_Earth Surface Data sheet Page 1_ver 3.xis tast revised \$29/2012 cah

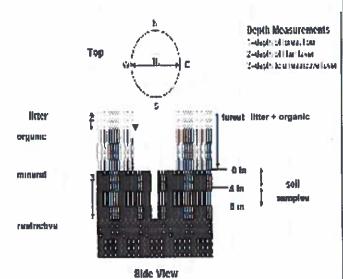
	STR	

COLEY DI GINNIN	
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.



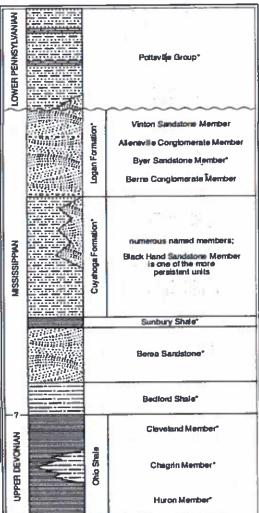


FIGURE 3-20.—Generalized section of Upper Devonies, Mississippian, and Lower Pennsylvanian fermaticus in northeastern Ohio. Asteriaks insideate units that are feasible rous. This composite section requirement about 400 meters of rock exposed across the area. The section is not to easie, but the thicknessee insideated are proportional. The term "Waves" is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European term "Carboniferus," which encompasses the Alisanspiran and Pennsylvanian Pernods of the U.S. Manyunits 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 (1953), Hoover (1960), and Colhus (1979) for more information on Mississippian rocks in Ohio. See figure 3-18 for explanation of rock types.

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: 0 2 WC 2015

(P) Olicycland Methoparks

Page: 1 of 1

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

Soil pit module # ____ (one per entire plot)

20 cm 6 03 matrix color matrix color redox features** exture. oxid roots xid roots ydro. cond *** motile dox features** ottle color ottle color dr. cond. £/A M D M D z

refer to texture classes on reverse side

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

indundated S-saturated M-moist D-dry blast include evidence of earthworms (worms,

Mod 2 - Costings present a Mod 3 - Costings present a Mod 9 - Costings present a Mod 9 - Costings present a

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 Soil Collection Modul Herizen (A. B. C) Well drained Depth to rest. Layer. Soil Series Source: Ohio Soil Survey ioil Series/Type: Somewhat poorly dr. andform type: 3.5,9 composited Excessively dr. erent Material eb Soil Survey Infor MINAGE+ D Somewhat excessively Moderately well dr. D Very poorly dr

	3	9	S	1
	record as >30	0.1 cm in center of intensive modules. If >30.5 cm,	오	ı
	3	¥	Б	ı
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		v	2	ı
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		Ċη	ĕ	ı
		율	8	ı
		-	SOIL DEPTH MEASUREMENT: Measure to the nearest	ı
			94	I

	-	5	-		
0	00	3	2	modif	
7	3:7	3.2	3.8	1 litter+ organic depth (cm)	
7 6	3.7	3.2	3.8	2 litter depth (cm)	
		0	0	water depth depth sat	
		0	0	depth set soil (cm)	

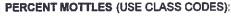
Underlying Earth Surface* Ground Covers	Surface*	Ground Cover	-
10000 - March	percent	(Each ≤ 100%)	percent
Histosol	0	Coarse Woody Debris***	18
Mineral Soil	98	Fine Woody Debris****	~
Gravel-Cobble*	7	Litter	9
Boulder**	0	Duff (Ferm.+ Humus)	0
Bedrock	0	Bryophyte- Lichen	,
Gravel-Cobble = 1/16-10*	1/16-10*	Water	0
••Boulder = > 10 in	'n	Bare Soil	(J
*** >5 cm in diameter)dar	Road/Trail	H
	total Asian district	Other	

1 03 03 0

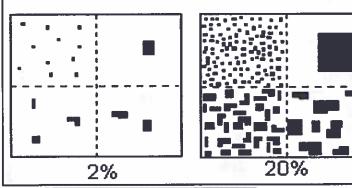
Sea	o Gravel	Bootleg unsanctioned	> Hiking sanctioned	o Bridle	o All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:	
T						%Cover	reach	*	

I		
	STAND SIZE	

a > 100 x plot size 10-100 x plot size 3-10 x plot size = >600 x plot size 1-3 x plot size < plot size



Class	- (code	Criteria: % of
. =	Conv.	NASIS	Surface Area Covered
Few	Ĩ	#	< 2
Common	С	#	2 to < 20
Many	m	#	≥ 20



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

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

Position

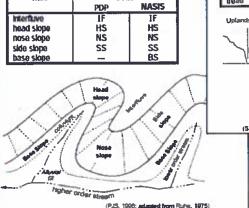
summit

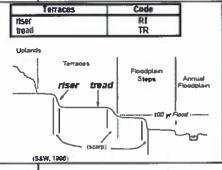
shoulder

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains:

Code

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.

SU

footslope toeslope	FS FS TS		
Su Sh Bs	Fo grad	Sh Bs I	Su •
44.000	Afternam	1	

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.

mi.

							-	-3/															
•								RM B-1:	BUFF	ER	SAI	VIPL	E P	LO	TS (F	ront)		Review	ed by (in	itial):		_ (•
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OAA	Center	С	N	0	S	10	E O	W	OP	lot '	1	0	Plot	2	0	Plot 3					Ţ.		
Fill in bubble Strata Secti	es for all th on: Fill in a	nat app approp	ply: Ca oriate c	nopy '	Type:	D = C	Jeciduou e for eac	ıs: E = Everan	een. Leaf T	Type: E	B = Bro	padlea	f: N =	Need	le Leaf	Absent: No tre loderate(10-40	e canopy. %); 3 = Hea	vy (40-	75%); 4	i = Ve	ry He	avy (:	>75%)
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mall Trees (<0.3m DBH)	0	0	0	0	0		Small Trees (<0.3m DBH)	0	0	0	0	0		Small Trees	(<0.3m DBH)	0	Ō (<u>ا</u> رَّ	_	Ō	
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Voody Shrubs (<0	s, Saplings I.5m HIGH)	0	(3)	0	0	0		Woody Shrub	s, Saplings	<u></u>	②	0	0	Ō		Woody Shru	bs, Saplings	Ō	= +			Ŏ	
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Trash				-			252.5	Impervious	surface	Input	0	SERVICE SERVICE	-										-
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Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se		() (0	0	
Gas Wells				0	0	0		Forest Selec	ctive Cut			0	0	0		Mowing/Shr	ub Cutting		(5 (0	0	
Mine (surfa	ace)	Source Continue Continue																					
Mine (unde	erground)		0	0	0		Tree Canop	y Herbivo	угу	- 3	0	0	0		Soil Compa				5 1	30 (o	
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Other:				0	0	0		Recently Bu	med Gra	sslan	nd	0	0	0		Other:						0	
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Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	1
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	1
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	1
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0	3	Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	10.0
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Strata Section: Fill in appropriate	cover	class	bubb	le for ea	ch strata type f	or each plo	ot. 0 = A	bsent; 1	= Spa	rse(<	0%), 2=1	Moderate(10-40)%); 3 = He	avy (40-75%	6); 4 =	Very I	Heavy	(>759
Buffer Canopy Type:	<u>) (</u>	A C	bsei	nt: O	Buffer	Canop	у Туре	: (0	Abse	int: C	Buffer	Canop	y Type: 🤅	0) A	bsen	t: (
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Mine (underground)	0	0	0		Tree Canopy		iry	C		-	1	Soli Compa	ction		400	0	0	
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der hyac ow Floa nt Salvin lic Must son Hen son Hen lstoot Tr lstoot Tr lsto	uing Heart nia nia nia nie Weed refoil refoil stile S coordinates at t stile stile stile stile stile describe where stile stil	O O O O O O O O O O O O O O O O O O O	C C C C C C C C C C C C C C C C C C C	O O O O O O O O O O O O O O O O O O O	Knotweed Lapanese Knotweed Perennial Pepperweed Giant Reed Cheatgrass Common Reed Leafy Spurge Plot (#3) at the far end of a rophaste bubble Plot (#3) at the far end of a spurge bubble Tophaste bubble Scondinates at the nearest practifications of the far end of a spurge bubble bubble Tophaste bubble Tophaste bubble Scondinates at the nearest practifications of the common state bubble	O O O O O O O O O O O O O O O O O O O	D O O O O O O O O O O O O O O O O O O O	NG THE Fact, Fi Occion	Kudzu Mutiflora Rose Common Buckthon Tamarisk Other: Other: Other: Other: In the Buffer Plot at t	AA CENT	O O O O O O O O O O O O O O O O O O O		O O O O O O O O O O O O O O O O O O O	r ini
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FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): Site ID: DATE: () 8113 Location: Fill in bubble(s) if plot(s) could not be sampled and flag ---O AA Center ON S OE OW O Plot 1 O Plot 2 O Plot 3 **Buffer Natural Cover Strata** Fill in bubbles for all that apply: Canopy Type: D = Deciduous; E = Evergreen, Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy. Strata Section: Fill in appropriate cover class bubble for each strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%) Canopy Type: (2) (1) Absent: (Canopy Type: (4) **Buffer** Absent: (Canopy Type: (11) **(**1) Buffer Buffer Absent: (Plot 1 Plot 2 Plot 3 Leaf Type: (a) Leaf Type: @ Leaf Type: (b) () Flag Flag Big Trees (>0.3m DBH) \odot Œ 0 \odot 0 ① 0 ② 0 Big Trees (>0.3m DBH) Big Trees (>0.3m DBH) (0) \odot (0) Œ Small Trees (<0.3m DBH Small Trees (<0.3m DBH) ① **6 ①** Small Trees (<0.3m DBH) ◑ 0 Woody Shrubs, Saplings (0.5m-5m HIGH) Woody Shrubs, Saplings (0.5m-5m HIGH) (2) Woody Shrubs, Saplings \odot \odot $oldsymbol{\Theta}$ ① 0 ① **@** (\circ) Œ $^{(2)}$ 0 (0.5m-5m HIGH) Woody Shrubs, Saplings Woody Shrubs, Saplings (<0.5m HIGH) Woody Shrubs, Saplings (<0.5m HIGH) \odot 0 ➂ Œ \odot 4 \odot (<0.5m HIGH) Herbs, Forbs and Herbs, Forbs and \odot \odot **(1)** Herbs, Forbs and ① \odot **@** ➂ Grasses Grasses ◑ \odot **(3)** ① \odot Bare ground \odot Œ Bare ground Bare ground Litter, duff **(**•) \odot **(** \odot \odot \odot 6 \odot Litter, duff Litter, duff (P) Rock \odot Rock Rock 1 0 \odot Water Water **(** \odot Water Submerged Submerged Submemed **(4)** $^{(2)}$ 0 \odot Vegetation Vegetation Vegetation Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. 👂 Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors Fill bubble if present - Plot 2 2 1 3 Flag Fill bubble if present - Plot 3 Fill bubble if present - Plot Flag 3 Flag 0 O Road - gravel O O 0 Ditches, Channelization O Pasture/Hay 0 0 0 Dike/Dam/Road/RR Bed Road - two lane O O 0 O O 0 Range 0 O O (IMPEDE FLOW) Road - four lane O O O Water Level Control Structure **Row Crops** O 0 O 0 0 0 Fallow Field (RECENT-RESTING Parking Lot/Pavement O O 0 Excavation, Dredging O O O O 0 0 Fallow Field (OLD - GRASS. **Golf Course** O 0 Fill/Spoil Banks O O O O O O O SHRUBS, TREES! Freshly Deposited Sediment O O 0 Lawn/Park O 0 O O O O Nursery (UNVECETATED) Suburban Residential O O O Soil Loss/Root Exposure 0 Dairy O 0 O **Urban/Multifamily** O 0 O Wall/Riprap Orchard O O O O O 0 Landfill 0 O C Inlets, Outlets 0 O 0 Confined Animal Feeding O O O Point Source/Pipe 0 0 0 Rural Residential **Dumping** O O O O 0 O (EFFLUENT OR STORMWATER) O Trash O O O O O Gravel Pit 0 O O (SHEETFLOW) Other: O O O Other: Irrigation O O 0 O 0 O Other: O Other: O C O O 0 Other: 0 O O **Industrial Development Stressors** Habitat/Vegetation Stressors 1 2 Fill bubble if present - Plot Fill bubble if present - Plot 3 Flag Fill bubble if present - Plot 2 3 Flag 1 2 3 Flag Oil Drilling O O 0 O 0 O O 0 0 Forest Clear Cut Herbicide Use Gas Wells O O O O 0 O 0 0 Forest Selective Cut 0 Mowing/Shrub Cutting Mine (surface) O O O 0 O O Tree Plantation 0 C 0 Trails Tree Canopy Herbivory Soil Compaction Mine (underground) O O O 0 0 0 0 O (INSECT) (ANIMAL OR HUMAN) Shrub Layer Browsed O O Military O 0 O O 0 0 0 Offroad vehicle damage WILD OR DOMESTIC) Highly Grazed Grasses Soil erosion (FROM WIND, WATER, O Other: O O O 0 O 0 0 0 (OVERALL & HIGH) OR OVERUSE: Recently Burned Forest Other: O O O O O O Other O 0 O Canopy Recently Burned Grassland O O Other: O 0 O 0 Other: O O O (BLACKENED) Flag codes: K = No measurement made, U = Suspect measurement., F1,F2, etc. = misc. flags assigned by each field crew. 2428168304 Explain all flags in comment section on the back of this form Buffer Sample Plots 05/27/2011

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