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Minimum required fields in Bold and Underlined vascul TAXONOMIC ACCURACY SAMPLING QUALITY* Effort Level: PLOT NOT SAMPLED: Plot No.: 346 GENERAL INFORMATION CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet AXONOMIC STANDARD Very thorough nd date (if > 1 day): Project Name: 01 NC 2013 nate (mm/dd/yyyy): 08/26/2013 Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. roject Label: PCAP R. Chelson Level 5 (nested corners sampled) Level 4 (no nested corners sampled) high Earle □ Paved □ Slope □ Safety modera. may still provide good sampling. Hurried plots how much effort put into subjective evaluation of Spliked Sympe Pub Date: Plot leader low Woody Tech o Other not smpl Camera No.: (3 □ Random □ Stratified Random □ Transect component Plot placement: WGRTS GPS File Name: Depth: (1-5): 4 Plot size for cover data: 0.0 Coordinate system: □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guidey (as per pin) Photo Nos.: Intensive modules: 2, 3, 8, 9), 2 Coord. Accuracy: w m o ft GPS location in plot x=0 to 5, y=-1,0,+1): x = 0 y = 0 (hase of plot y=0). Datum: ■ NAD83/WGS84 □ NAD27 ■ Lat/Long □ UTM □ StatePlane If data not public why? Reason: Check one: Public data Private Date Data Confidentiality: Local Place Names: Quadrangle: LOCATION Systematic (grid) Capture specific feature Other <u>ongitude</u>: W 081, 네버96 andowner X-axis Bearing of plot: 4 13 Th (base of plot x=0, y=0) Chagnin River Rd. County: Wyahogo □ Representative ■ deg □ deg min Coord. Units 42]0 (EDIT IF MODIFIED (hectares) 工 content), Rationale (why here), and Veg Characterization (description of community, NOTES: Include Layout (any unusual shape details). Location (directions and landscape 2-10 module plot: dominants, strata, BROWSE). Additional notes in space on back. Diagram Plot origin Key: (0,0) point Layout: 0.5x2 (5m×20m) |x1 SA 9-18-13 v 150 M. (The oping W of the GIRTS point to find a way through the grape tengles that through.) Location: Pull of Chagnin River Rd. When GPS indicates proximity (where safe). Walk in A dense, grape-tangled light gap large w/ patons of tres and woodlots interspersed. Tarape (a estimals) is overwhelm much of the logistation it's growing over Also present lea. Unauncted testion: Kathornale GRIS DO NO in large cover classes are * GRIS point
Mayo Below ⊗ GPS location O→ Rubus, Rusa, celasius with direction (B) Clurcland Melvap location of permanent posts OVER

1aCM PCAP Background Data Sheet Page 1_ver 3.0.xls last revised 5/29/2012 ceh

Natural Resources Mangement FORM NR/2010-01a

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	nt Program - Background Data Sheet	
Project Label: PCAP	Project Name: Ol NC 2013	Plot No.: 346 Page 2 of 2
MODIFIED NATURESERVE CLASS*	DISTURBANCES	
CODE (on separate form): Fit=Conf=	type* severity** yrs	yrs ago % of plot description
P26M	Human	
COMMUNITY NAME:	Soft Natural L) too browse
Attoical Successional		
Upland Shub Thread		100 Arcosso
Other: Light gap/ grape tangle	Animal L	100 (300 x
HØMOGENEITY	Other	
Homogeneous a Compositional trend across the plot	Current I and I los	***L=low, ML=med low, M=med, MH=med high, H=high, VH=very high
□ Conspicuous inclusions □ Irregular/pattern mosaic		
HYDROLOGIC REGIME*	Sound Date	
(Upland (seldom flooded)	ed)	2 AST 60 AS
SALINITY*		
Saltwater (seidom flooded)		
□ Brackish □ Permanently/Semipermanent, saturated		
□ Fresh (dry <1/yr. seldom flooded)		
□ Occasionally flooded (<1/yr)		
□ Temporarily flooded		
(by default unless plot is a wetland)	Tinchouna	
Additional notes & diagrams: (Representativeness of plot to the stand successional status	Peccional status materials	
orbiculatus, Eupertonium rugosum, Hackella and Impattens (both spectes), (scalitation is clemes auxiliarder the higher (shurb-layer) grape, the forest flour is sparce. Lot of worm activity, Lots of invasine.	Funpattens (both spectes), (scaltation) About is sparce. Lot of worm	activity, Lots of invasive.
	* Modified herb layer (height).	

APlease Noteloiner thereof of frame: 16: of mod)

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CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: 01 NC 2013	nent Program Specie Project name:	S Cov	ver Dat	Data She	et 2a	Plot no.:	 	3461	-				Pa	Page _		9	6	
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	%unveg. ground (bare soil)	1	8		1	6	Ц		7			Ц	-	1	1	7		
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2aCM PCAP Species Cover Data sheet Page 1 of x_ver 3.xls last revised 5/29/2012 ceh

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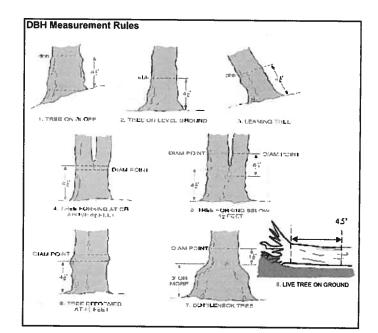
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2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet mod # a Rosa mutherion & Kubico alterpreniensis A Liquistrum viutopira of VITAS arstanalus & Standing Jean Explain subsample (additional room on back): Vitis asstavalis Kulaud ullegheniensu LIGUSTRUM VUIGASE Linacia benzoin Celashor Kusa muetiflora U limus amentican undera benzoin elastrus aballa lu Standing Dead assation species trana orbicul Project Label: _ albidum PCAP voucher# 0 9 0 100 browsed # stems 0-1.4m 0.0 sample or super % sub Project Name: OINC 2013 S shrub 000 0 3 clumps 00 9 8 # P di size class (cm) woody stems >1.4m 90 # :3 A 2 6 1-<2.5 00 2.5-<5 Plot No .: 346 5-<10 10 - <15 G 15 - <20 თ 20 - <25 Page: 25 - <30 30 - <35 으 Cieveland Netroparks 35 - <40 **5** >40 (record each tree) = - Compi Was the mi



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.
- 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

E

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)

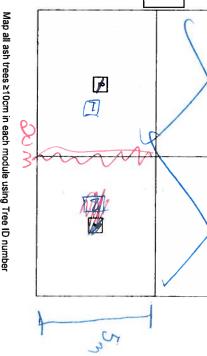
- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs.
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

* 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)

*** Change Intensive module numbers when necessary

Z

Map all ash trees ≥10cm in each module using Tree ID number



CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey (P) Cleveland Metroparks Tier 1: Early detection/ Rapid response Presence GP5 NE SW NW Presence Japanese stiltgrass Microstegium vimineum X: yes Ranunculus ficaria Lesser Celandine Cynanchum louiseae (vine) Black Swallow-wort **Butomus umbellatus** (wetland) Flowering Rush Heracleum mantegazzianum Giant Hogweed Tier 2: Assess as Needed # of Plants comments NE SE SW NW # of Plants Acer platanoides Norway Maple 1: 1-10 Ailanthus altissima Tree of Heaven 2: 11-50. Lonicera japonica (vine) Japanese Honeysuckle 3: 51-100 Lythrum salicaria (wetland) Purple Loosestrife 4: 101-1,000 Aegopodium podagraria (G-cover) | Bishop's Goutweed 5: >1,000 Celastrus orbiculatus (vine) Asian Bittersweet Torilis sp. Hedgeparsley Conium maculatum Poison Hemlock Rhamnus cathartica Common Buckthorn (shrub) Berberis thunbergii Japanese Barberry (shrub) Alnus glutinosa European Alder Dipsacus laciniatus **Cut-leaf Teasel** Elaeagnus umbellata **Autumn Olive** (shrub) Lonicera maackii Amur Honeysuckle (shrub) Euonymus fortunei Wintercreeper Tier 3: Presence is of Interest # of Plants comments SE SW NE NW # of Plants Convallaria majalis (G-cover) Lily of the Valley 1-10 Coronilla varia (G-cover) Crown Vetch 2: 11-50. Eleutherococcus pentaphyllus Five-leaf Aralia (shrub) 3: 51-100 Pachysandra terminalis (G-cover) Japanese Pachysandra 4: 101-1,000 Philadelphus coronarius Mock Orange (shrub) 5: >1,000 Pulmonaria officinalis (G-cover) Lungwort Rubus phoenicolasius Wineberry Iris pseudacorus (wetland) Yellow Flag Iris Ornithogalum umbellatum Star of Bethlehem Viburnum opulus var. opulus European Cranberry (shrub) Viburnum plicatum Doublefile Viburnum (shrub) Tier 4: Widespread and abundant **Presence** comments NE SE SW NW Alliaria petiolata Garlic Mustard Ligustrum vulgare Common Privet 2 3 (shrub) L. morrowii, L. tatarica **Bush Honeysuckles** (shrub) Phalaris arundinacea Reed Canarygrass Phragmites australis (wetland) Phragmites Polygonum cuspidatum Japanese Knotweed Frangula alnus Glossy Buckthorn (shrub) 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

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

Project Label: PCAP	LEVELAND METROPARKS Plant Com
Project Name: OINCAUIS	LEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface

Plot No.: 1948

(A) Glaveland Metroparks Page: 1 of 1

in 0 Im clip plots (23-32 cm) from corners I and 3 in each intensive module. Required for VIBI-E score calculation. C?=check when collected	from corners I and score calculation.	3 in each	intensive when
Module #	C7	Corner Corner	Corner

CLASSIFICATION		
(Fit = excellent, g Fit and Confidence		
Hydrogeomorphic class (WETLANDS ONLY):		
a DEPRESSION	To large	Conf=
impoundment in Beaver in Human	F	Conf-
RIVERINE - Headwater - Mainstern - Channel	<u></u>	Conf=
□ SLOPE (ground water hydrology or on a physical slop)	Fig.	Conf=
□ FRINGING □ Reservoir □ Natural Lake	1	Conf=
COASTAL (specify subclass)	7	Conf=
BOG (strongly, moderately, weekly ombrotrophic)	File	Conf=
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	SYTNC.	
□ FOREST □ swamp forest □ bog forest □ forest seep	T 	Conf
□ EMERGENT □ marsh □ wet meadow □ open bog	1	Conf=
□ SHRUB □ shrub swamp □ tali sh bog □ tali sh fen	Fit=	Conf=

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

anks for microhabitat features. Selectione or select two and average the score.NOTE: If mod falts on a slope automatically gats tanked based on steepness (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

Stope 1 = stight elevational grade across module (hill)

- 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

			í		c.w.d coun	t for pieces with n	c.w.d count for pieces with minimum 1m length		
		no. of	no. of	no, macro.	c w,d	c.w.d	c,w.d	microhab.	nucrohab
		tussocks	hummocks	depressions	(2-12 cm)	(12-40cm)	>40 cm	interspers.	
			uplands (Tip-Ups)						
		depth 3	depth 2	depth 1	depth 1	depth 1	depth I	depth 1	SLOPE
		lxim	3.16x3.16m	10x10m	10x10m	10x10m	10x10m	10x10m	10,10m
mod#	corner	(count)	(count)	(count)	(count)	(count)	(count)	(rank)	(rank)
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FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD] #cNAB INDICES (degrees) + for up - for down Terrain Shape Index (site microtopographic shape) andform Index (position within landscape) +135 degree +180 degree +270 degree +315 degrees +225 degree: +45 degree +90 degree At aspect WN ZE WS SE £ angles formed by local slopes. For TSI measure eye of person standing ~10 m LFI is angle of plot to the away. recorders eye to angle from horizon. TSI is

CROWN COVER (DENSIOMETER) Make 4 readings per module facing N. S. E. W. Place dot count corresonding space. (4 dots per grid square) 一十二

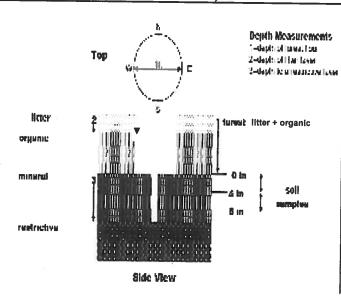
基基基 08 りて S 2.5 (FWD)

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.



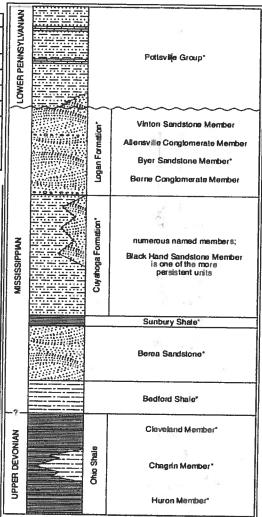


FIGURE 3-20.—Generalized section of Upper Devoman. Minissippian, and Lower Pennsylvanian formations in northeastern Ohio. Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term 'Waverty' is used in the older literature to refer to Mississippian rocks in Ohion. Some geologists use the European nerm 'Carbonnferous, "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 (1953). Hoover (1960), 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

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

Project label: PCAP Project Name: OINC 007 940

(Calcretand Metroparts

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 # 2 (one per entire plot) 20 cm 503 matrix color ABR/4/3 matrix color hydro. cond.*** texture* redox features** oxid roots xid roots ydr. cond.*** dox features** morde ottle color arrhoن I S(M) D 1 S (M) D <u>نن</u> س z Z Z.

refer to texture classes on reverse side

** e.g. hydrogen sulfide odor, gleying, etc. *** Circle one: indundated S=saturated M=moist D=dry tes: include evidence of earthworms (worms

5-6 worms Castings midden

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

Depth to rest. Layer: 20-40 MEWS Soil Series/Type Loudon ville 5; Excessively dr. Soil Series Source Ohio Soil Survey Soil Collection Moduld Horizon (A. B. C) Well drained Impermeable surface Somewhat poorly dr. 2000 composited andform type: Hillsides arent Material: Bes; drown weathered eb Soil Survey Info □ Somewhat excessively Moderately well dr. □ Very poorly dr SE9-17 from sandston 76.15cm Moor

主奏

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

organic depth 1 litter+ Caro 2 litter water depth depth sat month contest. no leat

_	ì		٠	Be	Во	ទួ	Z.	His	(Sw	달	E _A	
	*** >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	
	eter	'n	1/16-10"	0	0	1%	99%	0	percent	Surface*	E & GROUP	
Other	Road/Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm. + Humus)	Litter	Fine Woody Debris***	Coarse Woody Debris***	(Each ≤ 100%)	Ground Cover	ID COVER	
0	0	30%	ð	176	0%	1 1/6	2%	15%	percent			

COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	
۰ 🐱	1

Strata	Height Range (m)	Total Cover (%)
Tree	>5	18%
Shrub	1 _ 5	58%
Herb	KIN	75%
(Floating)*		
(Aquatic)*		
,		

100	□ Deer	□ Gravel	□ Bootleg unsanctioned	□ Hiking sanctioned	□ Bridle	□ All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:
							%Cover	Ċ.	

7000

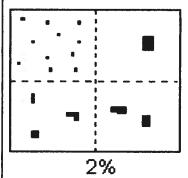
□ < plot size		in 10-100 x plot size	□ > 100 × plot size	□ >600 x plot size	STAND SIZE
---------------	--	-----------------------	---------------------	--------------------	------------

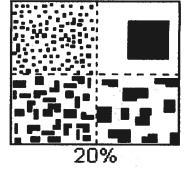
SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

rooted and floating or slightly emersed submersed, most plant mass below surface



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





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

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

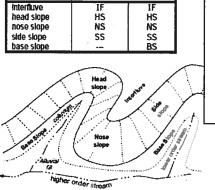
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains;

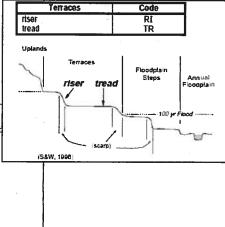
PDP

NASIS

(PJS 1996: adapted from Ruite 1975

e.g., (for Hills) nose slope or NS.





Hillstope - Profile Position (Hillstope 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	l
summit	SU -	Ì
- shoulder	SH	l
backslope footslope	BS FS	l .
toeslope	TS	
Su Sh	Fs Ts treeto	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.

							FOF	RM B-1:	BUFF	ER	SAN	IPLI	E PL	.OT	S (Fr	ont)	Reviewed by	initial):		- (
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Fill in bubble	es for all th	at app	oly: Ca	пору Т	Гуре: 1	D = D	eciduou	: E = Everon	Buffer een. Leaf T	voe: E	s = Bro	adleaf	N = N	leedie	Leaf. A	bsent: No tree	canopy.	. 4 . 14			750/
Strata Section	on: Fill in a	pprop	riate c	over c	lass b	ubble	for each	strata type f	or each pio	t. 0 = /	Absen	t; 1 = S	parse(<10%); 2=Mo	derate(10-405	%); 3 = Heavy (40-75%)	_	1		$\overline{}$
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	Rock	<u></u>	0	0	0	$\overline{\odot}$			Rock	0	Ŏ	0	-	ŏ			Rock ① ①	Ō	0	Ō	
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	ubmerged	_		<u> </u>	-	-			ubmerged	=	-		=				Submerged (+			
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Road - tw	o lane	, E		0	0	0		Dike/Dam		R Bed		0	0	0		Range		0	0	0	
Road - for	ur lane		15	0	0	0		Water Le		l Str	ucture	0	0	0		Row Crops		0	0	0	
Parking L	ot/ Paven	nent		0	0	0		Excavation	n, Dredgi	ng		0	0	0		ROW CROP FIEL		0	0	0	
Golf Cour	se		Sayll	0	0	0		Fill/Spoil				0	0	0		Fallow Fiel SHRUBS, TRE	d (OLD - GRASS, ES)	0	0	0	
Lawn/Par	k	. 1		0	0	0		Freshly D (UNVEGETA	TED)			0	0	0		Nursery		0	-	0	
Suburban	Residen	itial		0	0	0		Soil Loss	Root Exp	osure	9	0	0	0		Dairy		0	0	의	
Urban/Mu	ıltifamily			0	0	0		Wall/Ripra	ар			0	0	0		Orchard		0		의	
Landfill				0	0	0		Inlets, Ou Point Sou				0	0	0		Contined A	Animal Feeding	읫			
Dumping				0	0	0		(EFFLUENT	OR STORM	WATE	R)	0	0	0		Gravel Pit		0	\rightarrow	0	
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Fili bubble if present - P	lot 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	- 77
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	- N. F. S. S.
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	
						Vi				Other:	0	0	0	
					PLOT COORD	INA	TES	CSAL					<u> </u>	
lag box, and describe wheither placed as close to t	ere the che cente	ranse oordi r of P	nates Plot 3	were to as possine):	coordinates will indicate the loca caken and why in the comment s sible or at the center of the last	ation (section acces	of the n belo ssible	trans	sect. Fil he coor er Plot.	dinates of the nearest practicat	"noite	hubb	lo fill	in th
Plots are centered on the flag box, and describe wheelther placed as close to the Location of coording AA CENTER	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practice.	etion ection acces	of the n belo ssible	trans bw. Ti Buffe	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
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lag box, and describe wheither placed as close to t Location of coordin AA CENTER O	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in the
lag box, and describe wheither placed as close to t Location of coordin AA CENTER Catitud	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in the
lag box, and describe wheither placed as close to telephone to the coordinal AA CENTER CLASSICAL CAST CAST CAST CAST CAST CAST CAST CAST	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in the
lag box, and describe wheither placed as close to telephone to the coordinal AA CENTER CLASSICAL CAST CAST CAST CAST CAST CAST CAST CAST	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
lag box, and describe wheither placed as close to telephone to the coordinal AA CENTER CLASSICAL CAST CAST CAST CAST CAST CAST CAST CAST	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
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lag box, and describe wheither placed as close to telephone to the coordinal AA CENTER CLASSICAL CAST CAST CAST CAST CAST CAST CAST CAST	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
Plots are centered on the flag box, and describe whealther placed as close to the Location of coording AA CENTER CLatitud	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
Plots are centered on the flag box, and describe whealther placed as close to the Location of coording AA CENTER CLatitud	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
lag box, and describe wheither placed as close to telephone to the coordinal AA CENTER CLASSICAL CAST CAST CAST CAST CAST CAST CAST CAST	ere the che cente	ranse cordii r of P hoos	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
lag box, and describe wheither placed as close to telephone to the coordinal AA CENTER CLASSICAL CAST CAST CAST CAST CAST CAST CAST CAST	ere the che cente	ranse cordinate of P hoose	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
Plots are centered on the flag box, and describe whealther placed as close to the Location of coording AA CENTER CLatitud	ere the che cente	ranse cordinate of P hoose	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
Plots are centered on the flag box, and describe whealther placed as close to the Location of coording AA CENTER CLatitud	ere the che cente	ranse cordinate of P hoose	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th
Plots are centered on the flag box, and describe whealther placed as close to the Location of coording AA CENTER CLatitud	ere the che cente	ranse cordinate of P hoose	nates nates Plot 3 se or	s were to as possione): O E3	coordinates will indicate the local caken and why in the comment is sible or at the center of the last. O W3 O Nearest practices in the content of the last.	ection acces ctical	of the n belossible	transow. TI Buffe catio	sect. Fil he coor er Plot. n (flag	I in the "nearest practicable locational of the nearest practication of the nearest practicable location of the nearest practicabl	ation" le loc	hubb	le, fill can b	in th

							FOF	RM B-1:	BUFF	ER :	SAN	IPL	E PL	OT	S (Fr	ont)	Review	ved by (i	nitial):		- (
Site I	D: PC	AP	NC	.34	-61				Para III						DATE	08	26	2.	0.	3	2	
Location	on:		A 1 =						Fill	in b	ubb	le(s)	if pl	ot(s) cou	ld not be	sampled a	nd fla	ag -	→	1	
OAAC	enter	0	N	0	3	OE	0		OP		7.1		Plot			lot 3						
Fill in bubble Strata Section	es for all th	at app	iy: Ca riate c	nopy T over c	ype: I lass b	D = D ubble	eciduous	· F = Everan	Buffer een. Leaf To or each plot	vne B	t = Bro	adleat	N = N	leedle	Leaf. A	bsent: No tree derate(10-409	canopy. %); 3 = Heavy (40)-75%);	4 = V	ery He	avy (:	>75%}
	Canopy		_	_	Τ	sent		Buffer	Canopy				$\overline{}$	sent	\overline{a}	Buffer	Canopy Typ	_	(£)	T	sent:	$\overline{}$
Buffer Plot 1		f Тур	$- \check{\succ}$	\sim	-		Flag	Plot 2		f Typ	_		-		Flag	Plot 3	Leaf Typ	$\stackrel{\succ}{\sim}$	Ö		_	Flag
Big Trees (>	0.3m DBH)	@	0	0	0	0		Big Trees (>0.3m DBH)	0	0	0	0	<u> </u>		Blg Trees	(>0.3m DBH)	0	<u> </u>	<u> </u>	<u> </u>	
imail Trees (<	:0.3m DBH)	(4)	0	0	0	0		Small Trees (<0.3m DBH)	0	0	0	0	\odot		Small Trees	(<0.3m DBH)	0	<u> </u>	<u> </u>	<u> </u>	
Woody Shrubs	s, Saplings -5m HIGH)	0	0	0	0	®		Woody Shrub (0.5n	s, Saplings n-5m HIGH)	0	0	0	0	\odot			bs, Saplings m-5m HIGH)	0	0	<u> </u>	0	
Woody Shrubs		0	0	0	0	@		Woody Shrub	s, Saplings 0.5m HIGH)	0	0	0	0	<u> </u>		Woody Shru	bs, Saplings 0.5m HIGH)	0	0	<u> </u>	0	
	orbs and Grasses	0	0	0	0			Herbs,	Forbs and Grasses		0	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	
Bare	ground	@	0	0	0	0		Bare	e ground	0	0	0	0	<u> </u>		Bar	e ground ①	0	0	0	0	
Lit	ter, duff	(0	Ō	<u></u>	Ō		L	itter, duff	0	0	0	0	o l		L	itter, duff 🗿	0	0	0	0	
	Rock	<u>(4)</u>	0	Ŏ	$\frac{\circ}{\odot}$	0			Rock	0	0	0	Ō	Ŏ		-	Rock ①	0	0	0	<u> </u>	
	Water	(0	(a)	0	0			Water	0	<u></u>	0	ŏ	ŏ			Water ()	0	0	Ŏ	Ö	
Sı		-		$\stackrel{\sim}{\sim}$	$\overline{}$	6			ubmerged	+=	$\stackrel{\sim}{\sim}$			_			Submerged (151	 +	$\overline{\sim}$	_	
Submerged Vegetation O O O O O O O O O O O O O O O O O O O																						
Vagatation Vegetation Vegetation																						
		-		1		3	Flag	Fill bubbi				1	2	3	Flag		e if present - F		1	2	3	Flag
Fili bubble	977A = 7.0	ent - I	Plot	1	2		riag	100			FIOL	1		Ö	riug	Pasture/Ha			0	0	o	
Road - gra				0	0	0	V	Ditches, C			_	0	0	0		Range	ay .		0	0	0	
Road - tw				0	0	0		(IMPEDE FLO		ol Stra	icture	1	0	0		Row Crops			0	Ö	ŏ	
Road - for		nont	-	0	0	00		Excavatio		_	Jotare	0	0	0		Fallow Fiel	d (RECENT-REST	ING	Ö	ŏ	ŏ	
Parking L		ITETIL	-	0	00	0		Fill/Spoil 6				0	0	0			d (OLD - GRASS,		0	ŏ	0	
Golf Cour Lawn/Par				0	0	0		Freshly D	eposited :	Sedir	nent	0	0	0		SHRUBS TRI Nursery	ES)		ō	0	Ö	
Suburban		ntial		0	0	0		Soil Loss/		osure	9	lŏ	0	0	-	Dairy	Harry S.		ō	Ŏ	Ö	
Urban/Mu	Wild .	itical		0	0	0		Wall/Ripra	ap .			To	0	Ö		Orchard		111111	ō	ō	0	
Landfill	intinarriny	-		0	0	0		Inlets, Ou		W - S		0	0	0		Confined A	Animal Feeding		0	0	0	
Dumping	-		-	0	0	0		Point Sou	rce/Pipe		D)	Ŏ	0	0		Rural Resi	dential		0	0	0	
Trash		_		0	0	0		(EFFLUENT	is surface	inpu	1	Ō	ō	O		Gravel Pit			0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation			0	0	0	
Other:			-	ŏ	0	ō	\vdash	Other:	-	77.		. 0	0	0		Other:			0	0	0	
	strial D	evel	opm				S					-	_		egeta	tion Stres	sors					
Fili bubbi		_	10	1	2	3	Flag	Fili bubbi	e if prese	ent -	Plot	1	2	3	Flag	Fill bubl	ie if present	- Plot	1	2	3	Flag
Oil Drilling	g			0	0	0		Forest Cle	ar Cut			0	0	0		Herbicide (Jse		0	0	0	
Gas Well	s			0	0	0		Forest Sel	ective Cu	it		0	0	0		Mowing/Sh	rub Cutting		0	0	0	
Mine (sur	face)			0	0	0		Tree Plant	ation			0	0	0		Trails			0	0	0	
Mine (und	Mine (surface) O O O Mine (underground) O O O								py Herbiv	ory	XII.	0	0	0		Soil Compa			0	0	0	
Military			(INSECT) Shrub Lay (WILD OR DO		ed		0	0	0		- 100	hicle damage	njelli	0	0	0						
Other:										ses		0	0	0		Soil erosio	n (FROM WIND, W	ATER,	0	0	0	
Other:			Recently E	Burned Fo	rest		0	0	0				1	0	0	0						
_		Recently E	Burned Gr	rassla	and	0	0	0					0	0	0							
Other:	lan codes	s: K =	No m	O	O	O	e. Li = !	(BLACKENED		, F1.F	-2, etc		sc. flag		igned b	y each field o		242	0150			
	Buffer Sa					Ext	olain all	flags in com	ment secti	ion or	the t	ack of	this fo	om	n-Sing.		- May Ba	242	0100	,,,,,,,,	1	

FC	RM	B-	1: [BUFF	ER SAMPLE PLOTS -	TAF	RGE	TE	D ALI	EN SPECIES (Back) Reviewed by	y (initia	l):		
Site ID:	PC	CAI	DNC	341	01	DAT	E: _	05	<u> </u>	26/2013				
@ Confirm	a fille	ed da	ıta b	ubble l	ndicates presence and an unf	illed	bubb	le in	dicates	absence by filling in this bub	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	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	<u> </u>	Other:	0	0	0	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	
			1-	-				_	-	Other:	0	0	0	
					PLOT COOR	DIALA	TEG					_		
O AA CENTER O N				O E3		Lor	ngitu	de V		g and comment below)	2.			
Flag Comments Buffer (1) and Ru		Con	15 No	iste On	d d claborate	, d	eej	2,	an	a tall multi	flo	ra	n	se
- Carlo			JP			bearing the same			0	2 - 2000 - 2000				
			866.43								500-00-1-01-0-0		24	
					HAC 4 400 A 40 T 40 A 1									
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			724				_				_			
		711	ICH I											
										796	662	354	8	

05/27/2011

Buffer Sample Points - Targeted Alien Species

					RM B-1:	BUFF	ER :	SAN	IPL	E PL	OT	S (Fr	ont)	Reviewed by	(Initial):		_ (
Site ID: PCAP	NC	3	46	T is								DATE	<u>0.8</u>	sampled and fi	0.	1.3	2	
Location:				July 1		Fill	in b	ubb	le(s)	if pl	ot(s) cou	ld not be	sampled and fl	ag -	→	1	
O AA Center O N	0	S	© E	0	W		lot 1	_		Plot 2			lot 3				- 1	
Fill In bubbles for all that apply: Ca Strata Section: Fill In appropriate	anopy 1	Гуре: I	D = D	eciduous for each	s: F = Everore	Buffer en. Leaf T er each plot	voe: B	= Bro	adleat	: N = N	leedle	Leaf. A	bsent: No tree derate(10-40%	e canopy. %); 3 = Heavy (40-75%)	; 4 = V	ery He	avy (:	>75%)
Buffer Canopy Type: Plot 1 Leaf Type:) (sent	: O	Buffer Plot 2	Canopy	/ Typ f Typ	$\stackrel{\succ}{\sim}$	$\widetilde{}$	_	sent	: O	Buffer Plot 3	Canopy Type: O	0	Abs	sent	Flag
Big Trees (>0.3m DBH)		<u>(</u>	0	riag	Big Trees (>		0	0	0		0	riag	Bio Trees	(>0.3m DBH)	0	<u>ी</u>	0	···ug
Small Trees (<0.3m DBH)	0	$\overline{0}$)		Small Trees (•	$\overline{}$	<u></u>	0		ŏ		Small Trees		ŏ	ŏ	ŏ	
Woody Shrubs, Saplings	0	0	0		Woody Shrub	s, Saplings	0	ŏ	0	ŏ	ŏ			ibs, Saplings m-5m HIGH)	0	ŏ	Ŏ	
Woody Shrubs, Saplings	0	0	0		Woody Shrub		0	ŏ	0	<u></u>	$\frac{0}{0}$		Woody Shru	bs, Saplings	ŏ	ŏ	ŏ	
Herbs, Forbs and	0	$\overline{0}$				forbs and	0	$\ddot{\circ}$	0	$\frac{3}{0}$	ŏ			Forbs and	Ö	ठी	ŏ	
Bare ground (1)	0	0	0		Bare	Grasses ground		$\frac{1}{2}$	0	히	$\frac{\circ}{\circ}$		Bar	e ground 0 0	0	ŏ	ŏ	
Litter, duff 💿 🚳	0	0	0			tter, duff	0	$\overline{0}$	0	<u></u>	$\frac{\circ}{\odot}$			itter, duff ① ①	0	<u></u>	ŏ	
Rock ① ②	0	0	0			Rock	0		0	<u></u>	$\overline{0}$			Rock ① ①	0	ŏ	ŏ	
	0					Water	0		0	<u></u>	$\frac{0}{0}$			Water ① ①	0	허	<u>ö</u>	
Submorged		0	0		S					紛	$\overline{\sim}$			Submerged (끍		
															0			
Vegetation Vegetation Vegetation Vegetation Vegetation Vegetation																		
	T .	_		Floor				-	1		9	Floo		if present - Plot	1	2	3	Flag
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble	101111		Plot	1	2	3	Flag				_	o	· iug
Road - gravel	0	0	0		Ditches, C				10	0	00		Pasture/Ha Range	ау		0	0	
Road - two lane	10	0	0		(IMPEDE FLO	(W)		cture	0	0			Row Crops		0	0	0	
Road - four lane	0	0	0		Excavation			Clure	0	0	00			d (RECENT-RESTING	0	0	0	
Parking Lot/Pavement	0	0	0		Fill/Spoil E		iy		0	0	0		Fallow Fiel	D) d (OLD - GRASS,	0	0	0	
Golf Course	0	00	0		Freshly De		Sedin	nent	0	0	0		SHRUBS, TRE Nursery	ES)	0	ö	0	
Suburban Residential	6	0	0		Soil Loss/		osure		10	0	0		Dairy		0	ŏ	ŏ	
Urban/Multifamily	6	0	0		Wall/Ripra				0	0	0		Orchard		0	ŏ	ŏ	
Landfill	0	0	0		Inlets, Out		201		0	0	0	-	Confined A	nimal Feeding	0	0	0	
Dumping	0	0	0		Point Soul	ce/Pipe			0	0	0		Rural Resi	dential	0	0	Ö	
Trash	0	0	0		Impervious	surface	input	0	lŏ	0	0		Gravel Pit		0	0	Ō	
Other:	0	0	0		Other:				0	0	0		Irrigation		0	0	0	
Other:	0	0	o		Other:				0	ō	0		Other:		0	0	0	
Industrial Developm	-			s					-			egeta	tion Stress	sors				997
Fill bubble if present - Plot	1	2	3	Flag	Fili bubbie	if prese	nt - I	Plot	1	2	3	Flag	Fill bubb	le if present - Plot	1	2	3	Flag
Oil Drilling	0	0	0		Forest Clea	ar Cut			0	0	0		Herbicide (Jse	0	0	0	
Gas Wells	0	0	0		Forest Sele	ctive Cut	11.0	8	0	0	0		Mowing/Sh	rub Cutting	0	0	0	
Mine (surface)	0	0	0		Tree Planta	ation			0	0	0		Trails		0	0	0	
Mine (underground)	0	0	0		Tree Canor	y Herbiv	ory		0	0	0		Soil Compa		0	0	0	
Military	0	0	0		Shrub Laye	r Browse	d	N. I	0	0	0			nicle damage	0	0	0	
Other:	0	0	0		(WILD OR DO Highly Gra	ed Gras	ses	Ų.	0	0	0		Soil erosion	(FROM WIND, WATER,	0	0	0	
Other:	0	0	0		Recently B		rest		0	0	0		OR OVERUSE Other:	1	0	0	0	
	0	0			Canopy Recently B	urned Gr	assla	nd	0	5	0		Other:		5	0	0	
Other:		ıU	Ю		(BLACKENED)							1	Cirio.			\sim		
Flag codes: K = No m	-		mad	e. U = S			F1.F	2, etc		c. flag	_	igned b	y each field c	rew.	8168	220		

• FO	RM	B-1): E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TE	ALI	EN SPECIES (Back) Reviewed by	y (initia	l):		
Site ID:	PC	AF	N	(3	461	DAT	E: _C	8	/	2612013				
Confirm	a fille	d da	ta bı	ıbble lı	ndicates presence and an unf	illed I	bubbl	e Ind	licates	absence by filling in this bub	ble			
FIII 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	
Glant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	10
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	
					PLOT COORI	DINA	TES					ha:	- 10	
Location of coordinate O AA CENTER O N	9 s (cl	hoos O S3	se o	ne): O E3		cticat	ole lo	catio	n (flag	and comment below)	4		Fla	g
					Use Decimal Degr									
Flag Comments									79.1					
1 Park by BP Ple	and Hs	2	an		d residential proj fall.	Der!	3	(60)	(A)	e present where	2.			
Buffer Sample Po	oints ·	· Targ	geteo	I Alien S	Species 05/27/2011					796	662:	3548	3	

		•	. ا.			FOF	RM B-1:	BUFF	ER	SAI	NPL	E Pl	_OT	S (Fr	ont)		Review	ed by	(initial):	112	-(
Site ID:	<u>CA</u>	19	N(23	46	1									08					(3	
Location:								FIII	in b	ubb	le(s	if p	lot(s	s) cou	ld not be	sample	d a	nd fl	ag -	-		
O AA Center	0	N	0	S	OE	0	W		lot '			Plot			lot 3					HE I		
Fill in bubbles for all the Strata Section: Fill in a	at app	oly: Ca riate d	anopy cover o	Type: class b	D = D	eciduou for eacl	s: E = Everare	Buffer en. Leaf T or each plo	voe: E	3 = Bn	oadlea	f: N = N	veedle	Leaf. A	bsent: No tree derate(10-40	e canopy. %); 3 = Hea	vy (40	-75%):	; 4 = V	ery He	avy (>	75%)
Buffer Canopy	Тур	e: 🕒) () Al	sen	t: ()	Buffer	Canopy	у Тур	e: 6) () Ab	sent	: O	Buffer	Canopy	Туре	: (0	Ab	sent:	0
Plot 1 Leaf	Тур	e: 🕞) ()		Flag	Plot 2	Lea	f Typ	e: ((Flag	Plot 3	Leaf	Туре	: (0	1	1	Flag
Big Trees (>0.3m DBH)	0	0		0	0		Big Trees (•0.3m DBH)	0	0	0		<u>O</u>		Big Trees	(>0.3m DBH)		0	0	<u> </u>	<u> </u>	
Small Trees (<0.3m DBH)	0	0	0		0		Small Trees (<0.3m DBH)	0	0	9	0	<u>O</u>		Small Trees	(<0.3m DBH)	0	0		0	0	
Woody Shrubs, Saplings (0.5m-5m HIGH)	0		0	0	0		Woody Shrub (0.5m	s, Saplings 1-5m HIGH)	0	0		0	<u>O</u>		(0.5	ıbs, Saplings im-5m HIGH)	0	0		0	<u> </u>	
Woody Shrubs, Saplings (<0.5m HIGH)	0	(0	0	0	,	Woody Shrub (<(s, Saplings).5m HIGH)	0	0	0	0	0	-		ibs, Saplings <0.5m HIGH)	0	0	1	0	0	
Herbs, Forbs and Grasses		0	0	0	0		Herbs,	Forbs and Grasses	0	0	0	0	0		Herbs	, Forbs and Grasses	0		0	0	0	
Bare ground		0	0	0	0		Bare	ground	0	0	0	0	0		Bas	re ground	0	0	0	0	0	
Litter, duff	0	0	0	0	9		Li	tter, duff	0	0		0	0		L	itter, duff	0	(0	0	0	
Rock		0	0	0	0			Rock	0	•	0	0	0			Rock	0	0	0	0	0	
Water		0	0	0	0			Water	0	0	0	0	0	- 1		Water	9	0	0	0	0	
Submerged Vegetation	0	0	0	0	0			ubmerged /egetation		0	0	0	0			Submerged Vegetation	9	0	0	0	0	
Stressor Pres	ence	e/Ab	send	ce - (Confi	rm that			ndica	tes p	resen	ce an	d an	unfilled	bubble indi	cates abse	ence	by filli	ng thi	s bub	ble. (Ð
Residential a	and	Urb	an S	tress	sors			Hydrolo	gy S	itres	sors			17	4	Agricult	ıral a	& Ru	ral S	tres	sors	
Fill bubble If presen	nt - I	Plot	1.	2	3	Flag	Fill bubble	e if prese	ent - l	Plot	1	2	3	Flag	Fill bubble	e if presei	ıt - P	lot	1	2	3	Flag
Road - gravel			0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ay			0	0	0	
Road - two lane			0	0	0		Dike/Dam/		Bed	2015	0	0	0		Range		(D)		0	0	0	
Road - four lane			0	0	0		Water Lev		Str.	ıcture	9 0	0	0		Row Crops	3			0	0	0	
Parking Lot/Pavement	ent		0	0	0		Excavation	n, Dredgii	ng		0	0	0		Fallow Fiel	LD)		NG	0	0	0	
Golf Course			0	0	0		Fill/Spoil E			118	0	0	0		Fallow Fiel SHRUBS, TRI		ASS,		0	0	0	
Lawn/Park			0	0	0		Freshly De (UNVEGETA)		Sedin	nent	0	0	0		Nursery				0	0	0	
Suburban Resident	ial		0	0	0		Soil Loss/	Root Exp	osure		10	0	0		Dairy				0	0	의	
Urban/Multifamily			0	0	0		Wall/Ripra	p			0	0	0		Orchard				0	이	0	
Landfill		31999	0	0	0		Inlets, Out				0	0	_		Confined A	Animal Fee	ding		0	0	0	
Dumping			0	0	0		Point Sou (EFFLUENT	OR STORM			0	0	0		Rural Resi				0	0	이	
Trash			0	0	0		(SHEETFLO		inpu		10	0	0		Gravel Pit				0	0	0	
Other:			0	0	0		Other:				. 0	0	0		Irrigation				0	0	0	
Other:	_		10	0	0		Other:				.0	0	0		Other:			_	0	0	0	
Industrial De	evel	opm	ent s	Stres	ssor	s						Habit	tat/V	'egeta	tion Stres	sors						
Fill bubble If prese	nt -	Piot	1	2	3	Flag	Fill bubble	If prese	nt -	Plot	1	2	3	Flag	Fill bubb	ole if pres	ent -	Plot	1	2	3	Flag
Oil Drilling			0	0	0		Forest Clea	r Cut			0	0	0		Herbicide (Jse			0	0	0	
Gas Wells		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cuttin	g		0	0	0						
Mine (surface)		Tree Planta	ation			0	0	0		Trails				0	0	0						
Mine (underground))		0	0	0		Tree Canor	y Herbly	ory		0	0	0		Soil Compa (ANIMAL OR I				0	0	0	
Military		0	0	0		Shrub Laye	r Browse	d		0	0	0		Offroad ve	hicle dama	ige		0	0	0		
Other:	S.V.A.V	0	0	0		Highly Gra	ed Grass	ses		0	0	0		Soil erosion		W DV	ATER,	0	0	•		
Other:	0	0	0		Recently B		rest		0	0	0		Other:				0	0	0			
Other:			0	0	0		Recently B	urned Gra	assla	nd	ō	0	0		Other:				0	0	0	
	K = 1	No mo	_	1	mad	e, U = S	iuspect meas	urement.,	F1,F	2, etc	. = mls	c. flag	s ass	lgned b				242	816			
Buffer San	nple	Plots	05	/27/				1												-		

• FO	RM	B-1	l: E	BUFF	ER SAMPLE PLOTS -	TAF	RGE	TEC) ALI	EN SPECIES (Back) Reviewed by	/ (initia	l):		
Site ID:	PC	A	M	C3L	161	DAT	E: _(9.8	<u>3</u> /_	2612013				
O Confirm	a filic	ed da	ta bı	ubble li	ndicates presence and an unf	illed I	bubbl	ie Inc	licates	absence by filling in this bubl	ble			Y
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	
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	
				4						Other:	0	0	0	
		nV_	y "		PLOT COORI	DINA	TES							F
Location of coordinate O AA CENTER O N Latitude N	3	9 S:	3	O E3	O W3 O Nearest pra	Lon	gitud	de V		and comment below)	2		Fla	g
Flag Comments	0.0			•										
i Half of	196	2	5_	LAM	on (0a)									
i p														
						• • •								
									2					
							18						14	inu.
Buffer Sample Po	oints	- Tar	geted	d Alien	Species 05/27/2011					796	662	354	8 (

				1100		7.7									0 /5			F 1 5		747		
Site I	D: P	A	2.1	P 2	46	1	FOR	RM B-1:	BUFF	EK	SAN	1PL	E PL				Reviewed by					
Locati		יי וע	10	ري	, 16	1			T EIII	in h	uhh	io/e\	if n	otic	1 001	ld not be	sampled and f	au -				
			N NI	0		OE		w	OP				Plot :			lot 3	Samplea and I	u.g				
OAA	enter		N	0	3	O E			Buffer		-			77.2	- 1	101 3						
Fill in bubble Strata Section	es for all th on: Fill in a	nat app approp	ply: Ca oriate d	nopy over c	Type: l	D = D oubble	eciduou for eacl	s: E = Everare	; E = Evergreen. Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy. strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%)										>75%)			
Buffer	Canop	у Тур	e: 🕒		4—	sent	: 0	Buffer	Canopy	у Тур	e: 🕞) () Ab	sent	: O	Buffer	Canopy Type: 0	$\stackrel{\smile}{=}$	Ab:	sent:	: O	
Plot 1	Lea	f Typ	e: 🕒) (Flag	Plot 2	Lea	f Тур	e: 🕑) (Flag	Plot 3	Leaf Type:) <u>()</u>	1		Flag	
Big Trees (>	0.3m DBH)	0	0	0		\odot		Big Trees (>	0	0	0	<u>⊙</u>	,	Big Trees	(>0.3m DBH)	0	0	<u> </u>				
mall Trees (<	:0.3m DBH)	0	(4)	0	0	\odot		Small Trees (<0.3m DBH)					<u> </u>	<u> </u>		Small Trees	0 0	0				
Voody Shrubs (0.5m	s, Saplings 5m HIGH)	0	0	0	0			Woody Shrub (0.5m	s, Saplings -5m HIGH)	0	0	0	0	0]			bs, Saplings m-5m HIGH)	0	<u> </u>	0		
Voody Shrubs (<0	s, Saplings .5m HIGH)	0	0	0	0	(4)		Woody Shrubs, Saplings (<0.5m HIGH)		0	0	$\overline{\odot}$	-	Woody Shrubs, Saplings (<0.5m HIGH)			000					
Herbs, F	orbs and Grasses	0	0	0	0	(B)		Herbs, Forbs and		0	0	<u>⊙</u>		Herbs,	Forbs and Grasses ① ①	0						
Bare	ground	0	(1)	0	0	0					0	0	0		Bar	e ground 💿 🛈	0	0	0			
Lit	ter, duff	0	®	0	0	0		LI	tter, duff	0	0	0	0	0		L	itter, duff 💿 🛈	0	0	0		
	Rock	(0	0	0	0			Rock	0	0	0	0	0			Rock ① ①	0	0	0		
	Water	0	Ō	0	0	0			Water	0	Ō	0	0	Ō			Water ① ①	0	0	0		
	ibmerged egetation	@	0	0	0	0			ubmerged egetation	0	0	0	0	0			Submerged O O	0	0	0		
)			m that							d an (unfilled		cates absence by filli	ng thi	s bub	ble.	•	
Resi	dential	and	Urba	an Si	tress	sors			Hydrolo	gy S	tres	sors		77			Agricultural & Ru	ral S	tres	sors		
Fill bubble	e If pres	ent -	Piot	1	2	3	Flag	Fill bubble	e if prese	ent - I	Plot	1	2	3	Flag	Fili bubble	if present - Plot	1	2	3	Flag	
Road - gra	avel			0	0	O		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	ly	0	0	0		
Road - tw	o lane		IV.	0	0	0		Dike/Dam/		Bed		0	0	0		Range		0	0	0		
Road - for	ur lane	381		0	0	0		Water Lev		Str	ıcture	0	0	0		Row Crops		0	0	0		
Parking L	ot/Paver	nent		0	0	0		Excavation	n, Dredgii	ng	Title.	0	0	0		Fallow Fiel	d (RECENT-RESTING	0	0	0		
Golf Cour	se	ZIQ.		0	0	0		Fill/Spoil E	Banks			0	0	0			d (OLD - GRASS,	0	0	0		
Lawn/Par	k		175	0	0	0		Freshly De		Sedin	nent	0	0	0		Nursery		0	0	0		
Suburban	Resider	ntial		0	0	0		Soil Loss/		osure		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		44		0	0	0		Confined A	nimal Feeding	0	0	0		
Dumping				0	0	0		Point Sour (EFFLUENT (OR STORM	NATE	3)	0	0	0		Rural Resi	dential	0	0	0		
Trash				0	0	0		Imperviou: (SHEETFLOV		Inpu	t	0	0	0		Gravel Pit	- 444-24	0	0	0		
Other:	Statute of Concession			0	0	0		Other:				0	0	0		Irrigation		0	0	0		
Other:				0	0	0		Other:				0	0	0		Other:		0	0	0		
Indu	strial D	evel	opm	ent S	Stres	sor	8						Habit	at/V	egeta	ation Stressors						
Fill bubbi	e If pres	ent -	Plot	1	2	3	Flag	Fill bubble	If prese	nt -	Plot	1	2	3	Flag	FIII bubb	le if present - Plot	1	2	3	Flag	
Oil Drilling	3		VALUE OF THE PARTY	0	0	0		Forest Clea	r Cut	414		0	0	0		Herbicide L	lse	0	0	0		
Gas Wells	s	Terri.		0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting	0	0	0		
Mine (sur	face)			0	0	0		Tree Planta	ation			0	0	0		Trails		0	0	0	2	
Mine (und	lerground	d)		0	0	0		Tree Canor	y Herbiv	ory		0	0	0		Soil Compa	iction IUMAN)	9	0	0	2	
Military				0	0	0		Shrub Laye		d		0	0	0		Offroad vet	nicle damage	0	0	0		
Other:	-		-14	0	0	0		Highly Graz	ed Grass	ses		0	0	0		Soil erosion OR OVERUSE	(FROM WIND, WATER,	0	0	0		
Other:				0	0	o		Recently B		rest		0	0	0		Other:		0	0	0		
Other:			710	0	0	0		Recently B		assla	nd	0	0	0		Other:		0	0	0		
3500	lag codes	K =	No me	_		made	e, U = S	uspect meas	urement.,	F1,F	2, etc.	= mis	c. flag	s ass	igned b	y each field c	rew. 242	8168	3304			
	Buffer Sa	mple	Plots	05	/27/			lags in comm	nent section	on on	the ba	ack of	this fo	rm		uspe to the	1772					

	VC/	71	NC	34	61	DAI	E:	0,8	<u></u>	26,2013				
© Confirm	a fille	d da	ta bu	ubble li	ndicates presence and an unf	illed	bubb	le ind	dicates	absence by filling in this bub	ble			
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0	
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	@	0	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	
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	
				Ym Ir S		Sq1	-			Other:	0	0	0	
			e Til		PLOT COORE	DINA	TES							
pocation of the plot coordinate Buffer Plot 3 can not be acc Location of coordinate	cesse fer Tr the co center es (cl	d, tak anse cordii of P	in the cets a mates Plot 3	e coord ind the s were t as pos-	priate bubble. inates at the nearest practicable coordinates will indicate the loca aken and why in the comment s sible or at the center of the last	e loca ation section acce	ation A of the on belo ssible	ALON tran ow. T	IG THE sect. Fi he cool er Plot.	TRANSECT. This is important I If in the "nearest practicable located in the "nearest practicated in the nearest practicated in th	oecau	se al	l Buff	er I in th be
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