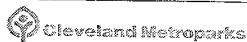


CLEVELAND METROPARKS Yiant Community Assessment Program: Quality Control Form



Project Label:

PCAP

Plot No: 1134 Date Sampled: 06/24/11

Lead: DS

Comment required if item answer is NO

Parking/Access outside of Park Boundaries:	Y <input checked="" type="radio"/> N <input type="radio"/>	If yes, write details in Comments section below
Field journals completed	Y <input checked="" type="radio"/> N <input type="radio"/>	
Site sketch made on 1:3000 map?	Y <input checked="" type="radio"/> N <input type="radio"/>	
Check cover page	X-axis Bearing of plot recorded	Y <input checked="" type="radio"/> N <input type="radio"/>
	GPS coords. Recorded	Y <input checked="" type="radio"/> N <input type="radio"/>
	North direction recorded	Y <input checked="" type="radio"/> N <input type="radio"/>
	Photographs taken?	Y <input checked="" type="radio"/> N <input type="radio"/>
Plot No., Date agreement on all pages?	Y <input checked="" type="radio"/> N <input type="radio"/>	
Header data completed all pages?	Y <input checked="" type="radio"/> N <input type="radio"/>	
Cover classes recorded in all Intensive modules	Y <input checked="" type="radio"/> N <input type="radio"/>	
Browse Level By Species	Y <input checked="" type="radio"/> N <input type="radio"/>	
Woody stem quality control check	Y <input checked="" type="radio"/> N <input type="radio"/>	
Invasive plant quality control check	Y <input checked="" type="radio"/> N <input type="radio"/>	
Ash trees mapped	Y <input checked="" type="radio"/> N <input type="radio"/>	N/A
Cover by Strata? (confirm cover type)	Y <input checked="" type="radio"/> N <input type="radio"/>	
Soil samples collected with matching plot #.	Y <input checked="" type="radio"/> N <input type="radio"/>	
Vouchers labeled on datasheet with initials and number	Y <input checked="" type="radio"/> N <input type="radio"/>	N/A
Vouchers labeled on collection bag	Y <input checked="" type="radio"/> N <input type="radio"/>	N/A
Pink flags removed	Y <input checked="" type="radio"/> N <input type="radio"/>	
Data sheet QA before leaving site?	Y <input checked="" type="radio"/> N <input type="radio"/>	
Common equipment returned to tub.	Y <input checked="" type="radio"/> N <input type="radio"/>	
Data sheets scanned?	Y <input checked="" type="radio"/> N <input type="radio"/> 7/1/11	Enter date to left
Final data sheets scanned?	Y <input checked="" type="radio"/> N <input type="radio"/>	Enter date to left
Buffer Widths measured?	Y <input checked="" type="radio"/> N <input type="radio"/>	
Web Soil survey	Y <input checked="" type="radio"/> N <input type="radio"/>	
Voucher Location	Refrigerator	Y <input checked="" type="radio"/> N <input type="radio"/> N/A
(# vouchers collected)	Press (#)	Enter number to left
	Dried	Y <input checked="" type="radio"/> N <input type="radio"/>
	Identified	Y <input checked="" type="radio"/> N <input type="radio"/>
	Mounted	Y <input checked="" type="radio"/> N <input type="radio"/>
	Thrown away	Y <input checked="" type="radio"/> N <input type="radio"/>

GRTS point verification: Is plot sampleable?

<input checked="" type="checkbox"/> Yes	Original GRTS point is sampleable
<input type="checkbox"/> No	Original GRTS point lands in a non-sampleable area (fill in category below)
	<input type="checkbox"/> Point falls in a river
	<input type="checkbox"/> Managed mowed area (i.e. golf course, picnic area, right-of-way)
	<input type="checkbox"/> Paved area (i.e. parkinglot, road)
	<input type="checkbox"/> Unsafe to sample (i.e. steep slope)
	<input type="checkbox"/> Other

Additional Comments:

1

2

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2

GENERAL INFORMATION

LOCATION

State: OH County: CUYAHOGA

Project Name: C1_BW2011

Plot Name:

Soggy Bottom Slums

Plot No.: 1134

- Level 4 (no nested corners sampled)
- Level 5 (nested corners sampled)

Date (mm/dd/yyyy): 06/24/2011

End date (if > 1 day): / /

Party

Role**

P. STOVER

Plot leader

J. LANTERMAN

Plot leader

J. MURPHY

Plot leader

Q. CORTELLA

Plot leader

** Roles: Co-leader, Asst. Guide, Owner, Taxonomist, etc.

PLOT NOT SAMPLED:

- Other
- Perm. water
- Paved
- Slope
- Safety

SAMPLING QUALITY*

subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data

Effort Level:

- Very thorough
- Accurate
- Hurried

TAXONOMIC ACCURACY

high	moder.	low	not simpl
/	/	/	n/a
bryo		/	/
lichen		/	/

TAXONOMIC STANDARD

Authority: G&C

Pub Date: 1998

Minimum required fields in Bold and Underlined

DATA

Landowner: CLE METROPARKS

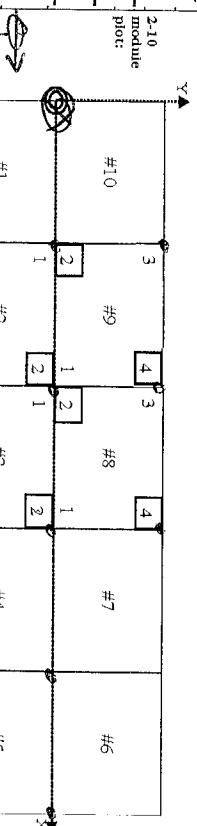
Local Place Names: BW Management center

X-axis Bearing of plot: 118.8°

Y-axis Bearing of plot: 21.0°

plot: 21.0°

metre



REASON:

If data not public why?

Source of coordinates

MAP

GPS

GPS location in plot (x=0 to 5, y=0 to 5):
x = 0 y = 0 (base of plot x=0, y=0)

Coordinate system:

Lat/long

UTM

StatePlane

■ deg □ deg min

■ m □ ft

□

Datum: ■ NAD83/WGS84

□ NAD27

Coordinate Units:

■ deg

□ deg min

■ m

□ ft

□

Plot placement:

□ Representative

GRTS

□ Random

□ Stratified

Random

□ Transect component

□ Systematic (grid)

□ Capture specific feature

□ Other

□

NOTES: Include Layout (any unusual shape details), Location (directions and landscape content), Rationale (why here), and Veg Characterization (description of community, dominants, strata, BROWSE). Additional notes in space on back.

LAYOUT - 2x5

LOCATION - ca. 550 m W of Management center, along property line near residential area.

VEGETATION - GLTS pt. Landscaped 0.0 in weedy successional woods with numerous ornamental spp. invading/persisting at edges

VEGETATION - Successional red maple woods with conspicuous inclusion of planted Norway spruce. Some large Quercus palustris near plot. Shrub layer absent, herb layer dominated by disturbance spp. and encroaching population of Vicia minor. Browse medium-low (not many spp. by deer present in plot.)

*Definitions and values in CM PCAP FORM v. 1.0 and CVS Field Guide

OVER

Savored

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name: 01/06/2011

Plot No.: 1134

Page 2 of 2

CLASSIFICATION	STAND SIZE	DISTURBANCES			
		type*	severity**	yrs ago	% of plot
(Fit = excellent, good, fair, poor; CONF = high, med, low)	Fit and Confidence				
Hydrogeomorphic class (WETLANDS ONLY):					
<input type="checkbox"/> DEPRESSION <input type="checkbox"/> IMPOUNDMENT <input type="checkbox"/> Beaver <input type="checkbox"/> Human <input type="checkbox"/> RIVERINE <input type="checkbox"/> Headwater <input type="checkbox"/> Mainstem <input type="checkbox"/> Channel <input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope) <input type="checkbox"/> FRINGING <input type="checkbox"/> Reservoir <input type="checkbox"/> Natural Lake <input type="checkbox"/> COASTAL (specify subclass) <input type="checkbox"/> BOG (strongly, moderately, weekly, ombrotrophic)					
Fit= _____ Conf= _____ Fit= _____ Conf= _____					
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):					
<input type="checkbox"/> FOREST <input type="checkbox"/> swamp forest <input type="checkbox"/> bog forest <input type="checkbox"/> forest seep <input type="checkbox"/> EMERGENT <input type="checkbox"/> marsh <input type="checkbox"/> wet meadow <input type="checkbox"/> open bog <input type="checkbox"/> SHRUB <input type="checkbox"/> shrub swamp <input type="checkbox"/> tall sh. bog <input type="checkbox"/> tall sh. fen					
Fit= _____ Conf= _____ Fit= _____ Conf= _____ Fit= _____ Conf= _____ Fit= _____ Conf= _____					
MODIFIED NATURE RESERVE CLASS*					
Fit= <u>G</u> Conf= <u>H</u>					
COMMUNITY NAME:					
<u>Red Maple Thicket & Woods</u> <u>(Appalachian successional)</u>					
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)					
↗ added to Additional notes section. JEM 7/18/11					
↗ Plot should be homogeneous ↗ Conspicuous inclusions - <u>hedges of</u> <u>Picea abies</u> running through mds 10-6 ↗ Irregular/pattern mosaic					
HOMOGENEITY					
<input type="checkbox"/> Homogeneous <input type="checkbox"/> Compositional trend across the plot					

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 1 of 3

Project Label:

PCAP

Project name: Orion

Plot no.: 1136

Total modules: 10
Visual est. % open water entire site: 3 Visual est. %

Intensive modules: 4 Plot configuration: 2x5
al est: %unveg.o.w. entire site: 0 Visual est: %invasives entire site: 0

Plot area (ha): 0.1

Elektro
Marken

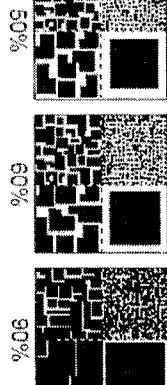
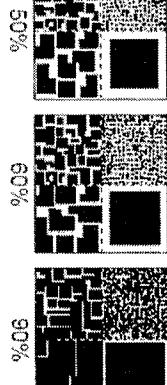
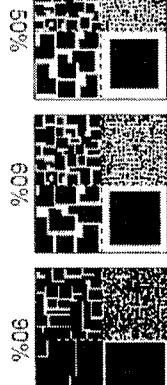
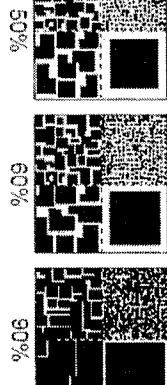
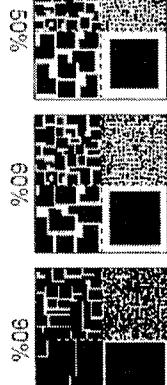
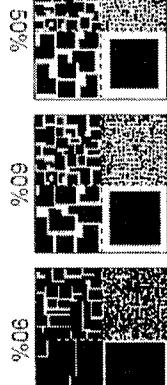
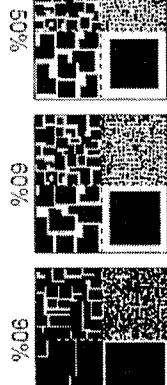
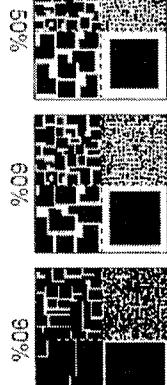
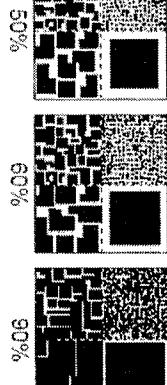
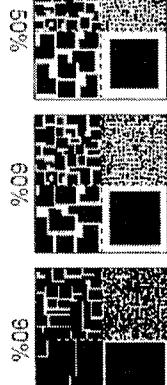
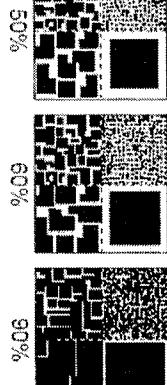
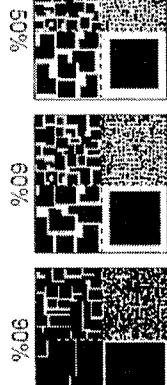
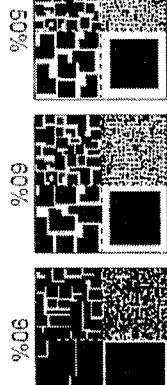
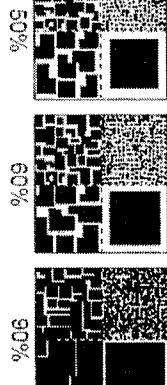
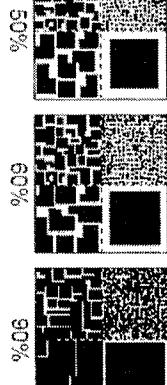
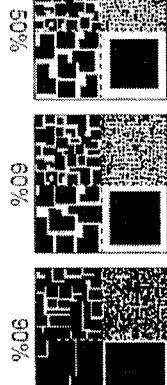
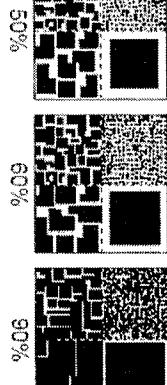
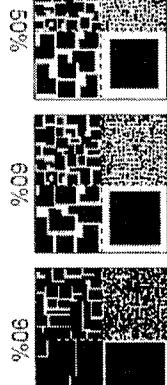
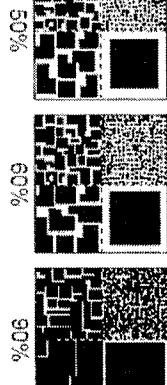
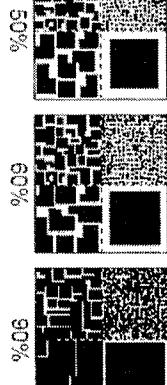
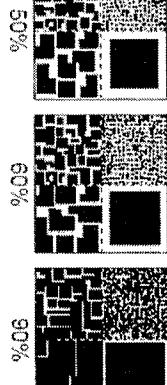
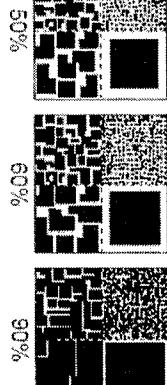
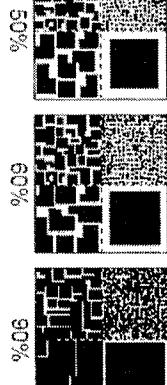
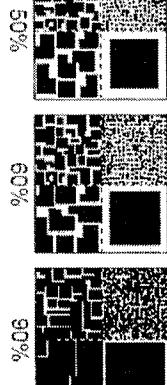
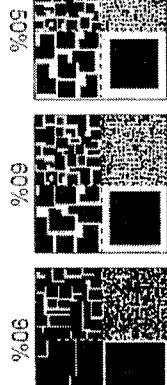
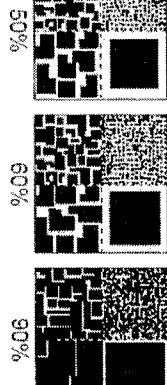
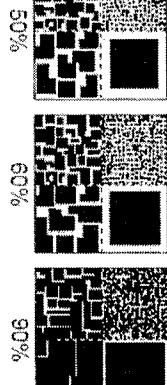
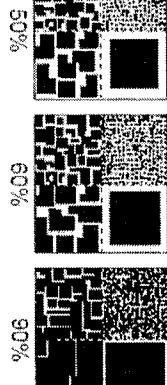
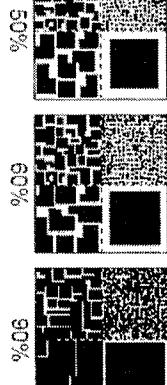
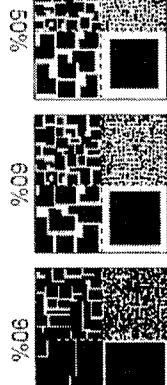
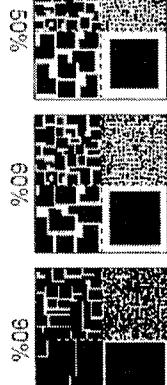
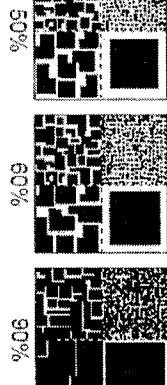
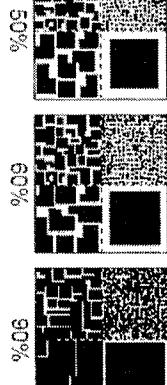
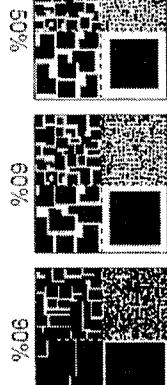
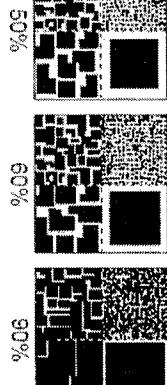
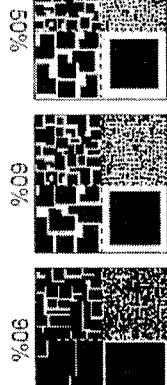
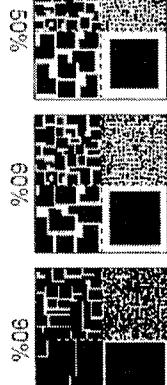
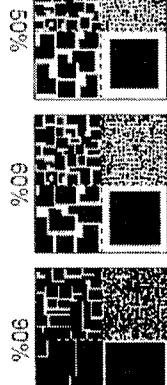
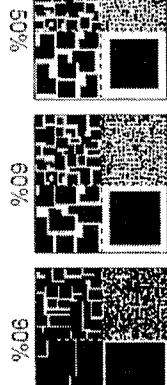
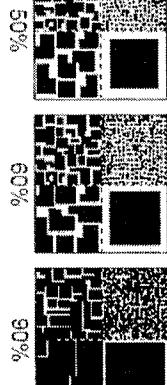
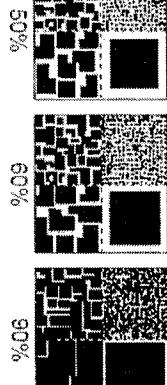
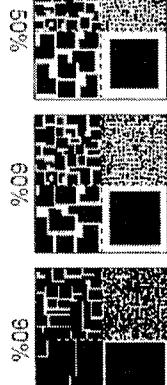
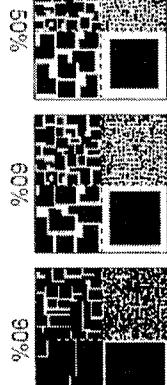
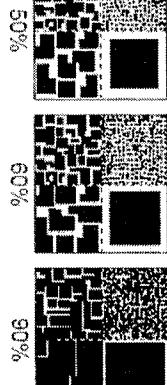
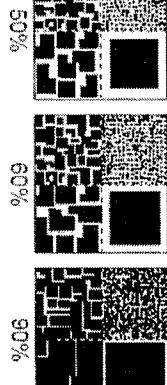
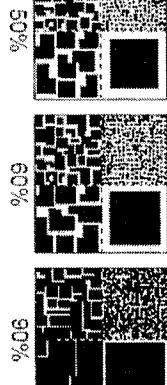
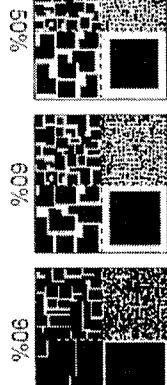
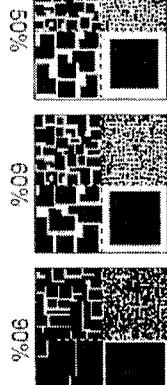
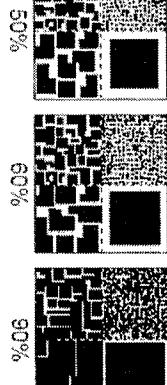
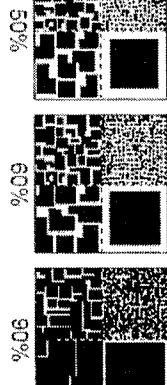
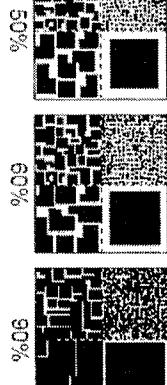
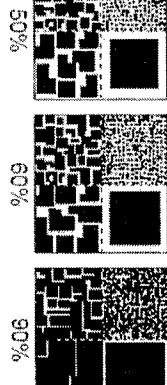
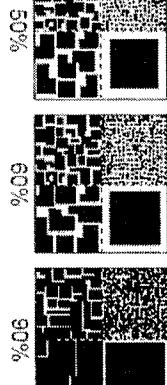
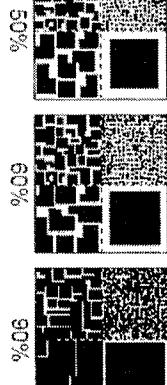
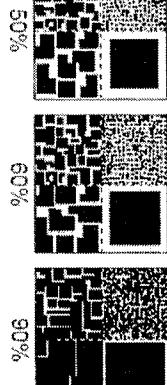
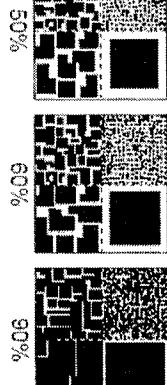
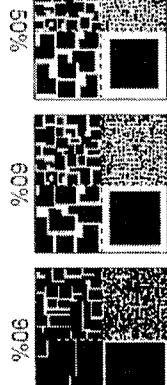
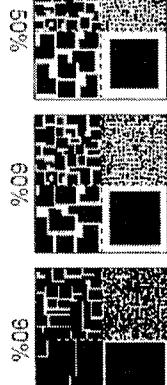
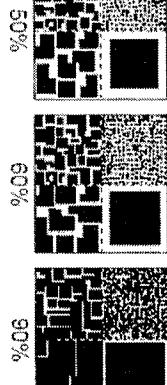
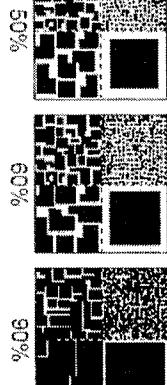
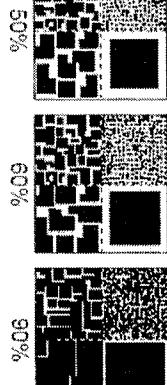
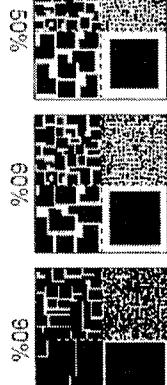
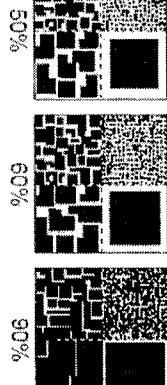
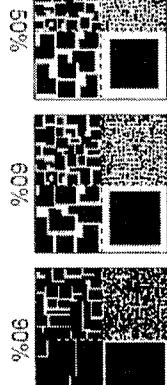
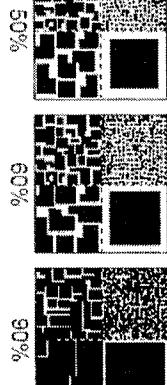
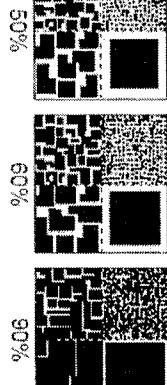
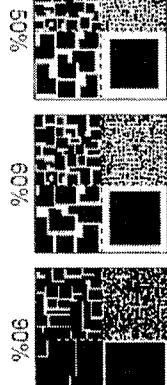
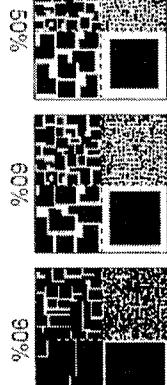
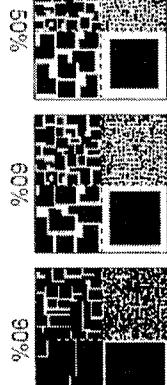
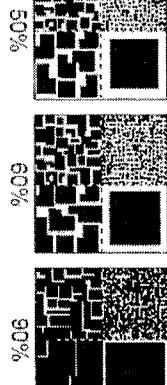
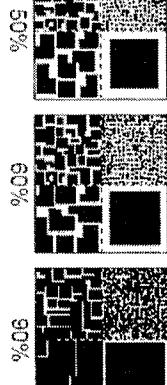
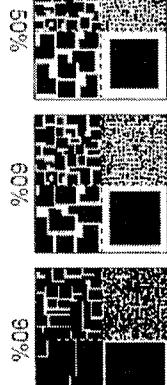
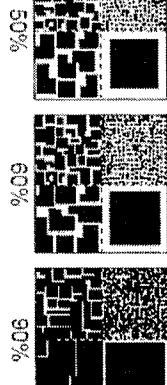
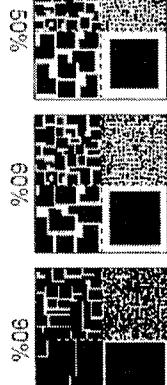
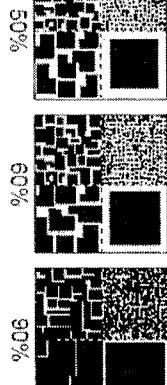
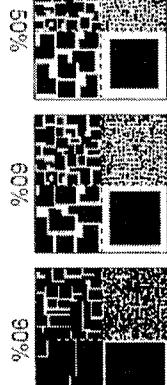
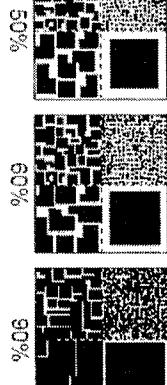
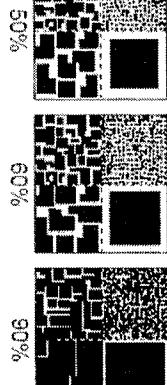
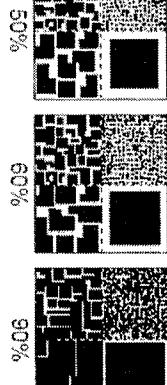
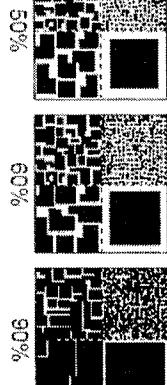
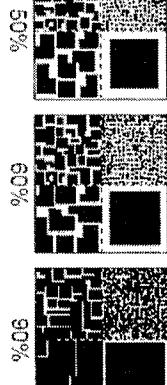
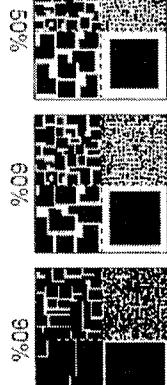
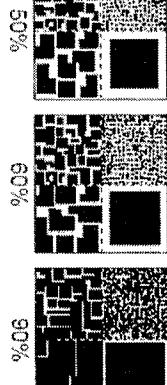
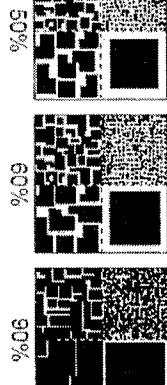
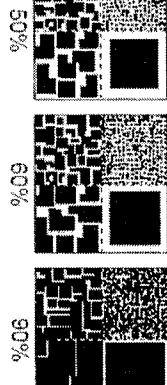
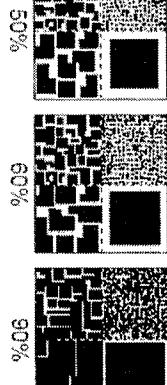
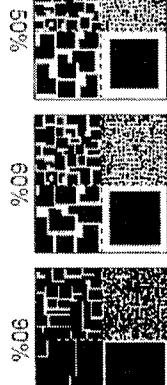
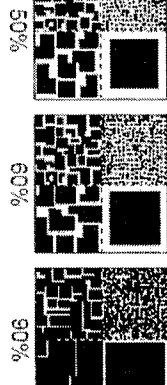
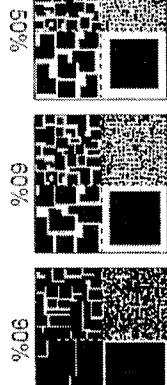
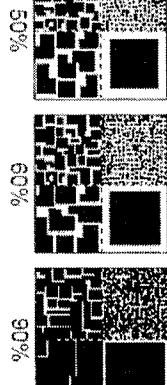
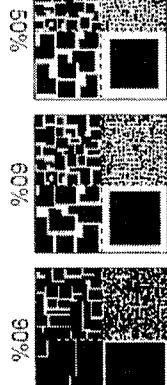
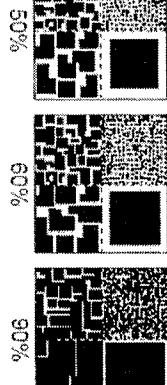
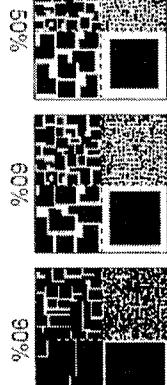
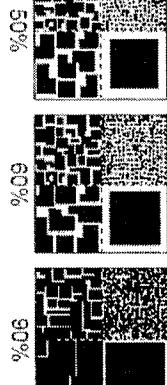
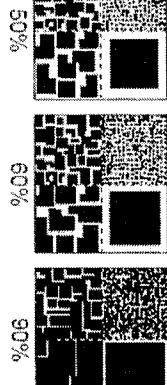
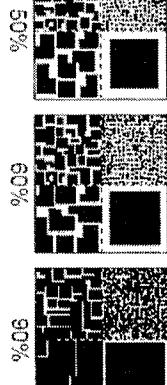
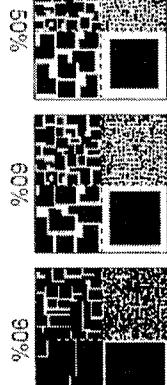
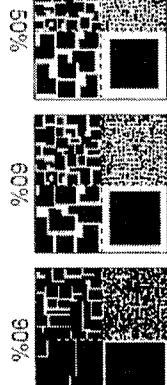
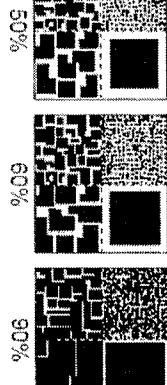
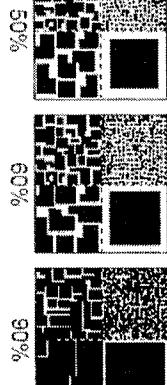
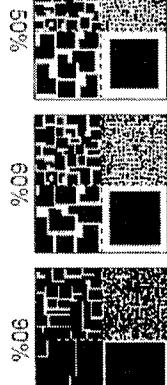
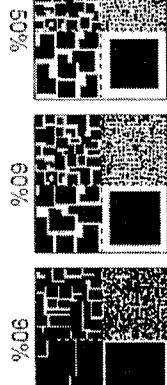
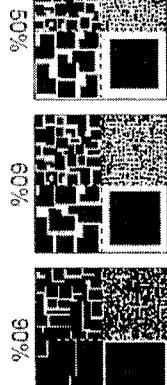
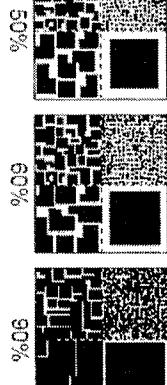
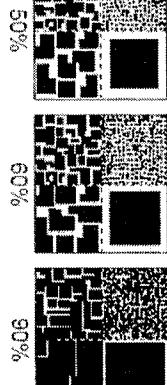
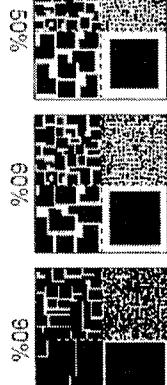
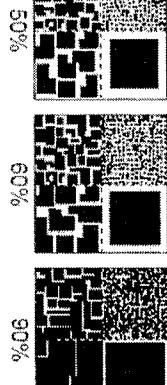
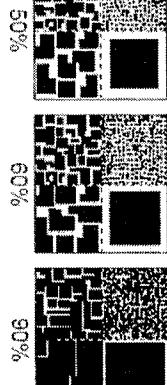
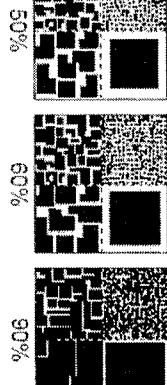
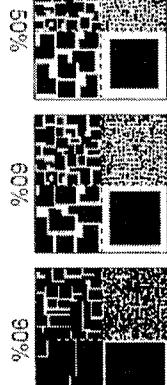
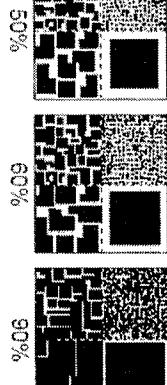
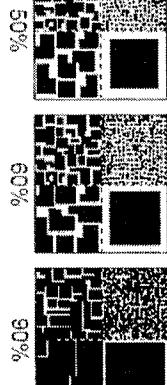
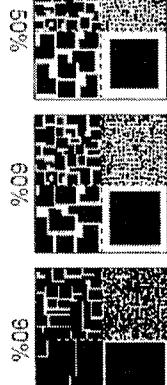
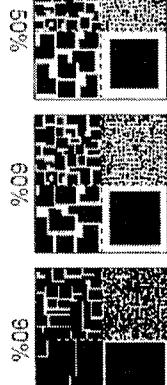
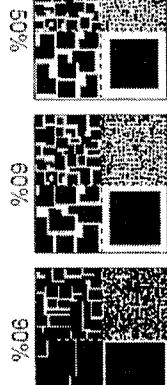
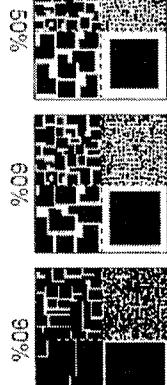
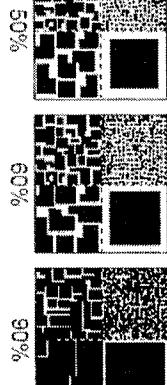
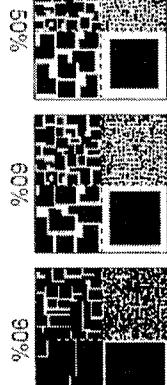
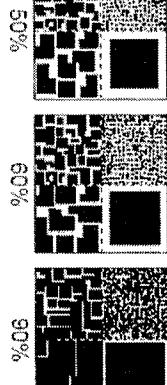
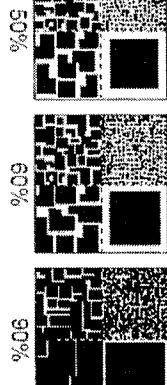
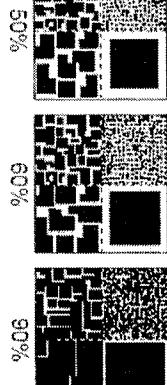
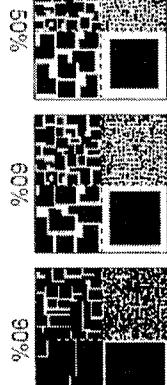
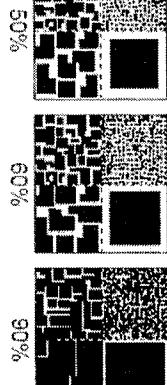
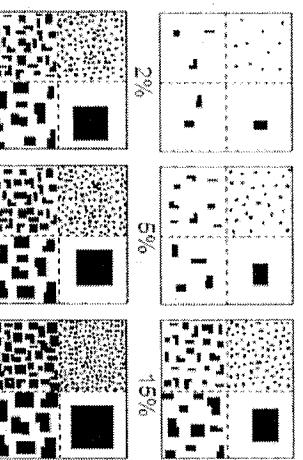
Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot

Intensive module:		depth		cov		depth		cov		depth		cov		depth		cov		depth		cov	
% open water		depth	cov																		
% unvegetated open water		1	0		1	0		1	0		1	0		1	0		1	0		1	0
1	0			1	0			1	0				1	0			1	0			
1	1			1	3			1	6				1	2			1	2			
1	1			1	3			1	6				1	2			1	2			

Strata - Cov. entire plot																
T	S	H.	(F)	(A)	Br	Species	C	% Univag. litter (bare litter)	1	8	1	6	1	7	1	2
								depth cov								
3	2					<i>Tlex</i> <i>opaca</i>	4	3								
3	2					<i>Vitis aestivalis</i>	4	2	1	3						
8	2					<i>Acer rubrum</i>	4	8	4	3	4	4	6	4	2	4
5						<i>Quercus palustris</i>	4	6	4	5					4	4
5						<i>Euonymus fortunei</i>	2	3	3	4	3					
4						<i>Fraxinus</i> seedling	2	4	4	3	3	4	3	3	2	2
2						<i>Lonicera japonica</i>	2	4				4	2			
2						<i>Viburnum dentatum</i>	2	1	2	1						
2						<i>Carex summii</i>	2	2	2	3	2					
2						<i>Toxicodendron radicans</i>	2	1	2			3	3	2	2	2
1						<i>Vitis</i> seedling	2	2	2	2	2					
1	2					<i>Prunus serotina</i>	2	2	2	2	2	2	2	2	2	2
1						<i>Quercus</i> seedling	2	1			1	1				
2						<i>Fragaria ananassa</i>	2	2	2	2	2	2	1			
2						<i>Artemesia trypetillum</i>	2	2	2	2	2	2	2	2	2	1
2						<i>Cirsaea heterotiana</i>	2	2	2	2	2	2	2	2	2	1
2						<i>Aster</i> 1 (smooth)	2	2			2	1	2	2	1	
2						<i>Geranium robertianum</i>	2	1								
2						<i>Moss</i> sp.	2	1	1	1	3	1				
3						<i>Rhus</i> sp.	3	2	4	2						
5						<i>Impatiens</i> sp.	2	2	3	2						
2						<i>Rosa multiflora</i>	2	1	1	1	3	1				
2						<i>Potentilla</i> simplex	2	2	2	1		4	1			
1						<i>Solidago</i> sp.	2	1								
2						<i>Rubus</i> sp.	2	1	2	1						

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to convey "Amount or Quality." **NOTE:** Within any given box, each quadrant contains the same total area covered, just different sized objects.



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 2 of 3

Project Label: PCAP

Total modules: _____

Visual est. % open water entire site: _____

Project name: 01/06/2011

Plot no.: 1134

Plot configuration: _____

Plot area (ha): _____



Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot

		Estimate for each intensive module:																	
		mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner
T	S	(F)	(A)	Br		Species	C	Voucher #	depth	cov	depth								
2	2	1	2	2	Z	<i>Rumex obtusifolius</i>	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	P	<i>Pyrus sp.</i>	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	1	2	1	L	<i>Lonicera morrowii</i>	1	1	2	2	2	2	2	2	2	2	2	2	2
2	2	1	2	1	U	<i>Urtica dioica</i>	1	1	3	3	3	3	3	3	3	3	3	3	3
1	1	1	1	1	V	<i>Vinca minor</i>	1	1	3	4	3	4	3	4	3	4	3	4	3
1	1	1	1	1	A	<i>Amelanchier sp.</i>	1	1	2	1	2	1	2	1	2	1	2	1	2
1	1	1	1	1	T	<i>Taraxacum officinale</i>	1	1	1	1	1	1	1	1	1	1	1	1	1
7	7	1	1	1	A	<i>Ajuga reptans</i>	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	1	2	1	P	<i>Picea abies</i>	1	1	2	7	2	4	7	2	2	2	2	2	2
4	4	5	3	3	C	<i>Celastrus orbiculatus</i>	1	1	3	6	3	6	4	6	3	6	3	6	3
1	1	1	1	1	G	<i>Glechoma canadense</i>	1	1	3	2	3	2	3	2	3	2	3	2	3
1	1	1	1	1	O	<i>Oxalis sp.</i>	1	1	2	1	2	1	2	1	2	1	2	1	2
2	2	2	3	3	L	<i>Ligustrum vulgare</i>	1	1	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	K	<i>Kindbergia longepila</i>	1	1	3	1	3	1	3	1	3	1	3	1	3
1	1	1	1	1	C	<i>Carex cordiformis</i>	1	1	2	1	2	1	2	1	2	1	2	1	2
1	1	1	1	1	V	<i>Viburnum opulus</i>	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	1	2	1	S	<i>Smilax rotundifolia</i>	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	E	<i>Erechtites hieracifolia</i>	1	1	2	1	2	1	2	1	2	1	2	1	2
5	5	1	1	1	F	<i>Fragaria sp.</i>	1	1	3	1	3	1	3	1	3	1	3	1	3
1	1	1	1	1	I	<i>Illicium verticillatum</i>	1	1	2	1	2	1	2	1	2	1	2	1	2
2	2	1	2	1	S	<i>Solanum dulcamara</i>	1	1	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	H	<i>Hedera helix</i>	1	1	2	1	2	1	2	1	2	1	2	1	2
1	1	1	1	1	P	<i>Pastinaca sativa</i>	1	1	2	1	2	1	2	1	2	1	2	1	2
2	2	1	2	1	P	<i>Polygonum perfoliatum</i>	1	1	2	1	2	1	2	1	2	1	2	1	2
1	1	1	1	1	T	<i>Taraxacum sp.</i>	1	1	2	3	2	1	2	3	1	1	1	1	1

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to compare "Aesthetic" or "Quality". **NOTE:** Within any given box, each quadrant contains the same visual area enclosed in a different street outline.

cover class	% cover	midpoint
1	solitary or few	0.0001
2	0-1%	0.005
3	1-2%	0.015
4	2-5%	0.035
5	5-10%	0.075
6	10-25%	0.175
7	25-50%	0.375
8	50-75%	0.625
9	75-95%	0.850
10	95-100%	0.975

BROWSE RATING NARRATIVE DESCRIPTION

LOW OR NONE: there is no measurable browse line
AND there are very few or no plants 1-m nested quadrat

and intensive module. In general, low values relate to less than 10 percent, by numbers of stems browsed. **MEDIUM LOW** values include evidence of browse at about 10 percent of the stems with no significant impact

to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low-browse areas. For

example, trilliums may flower and fruit, but jewelweed and arrowwood viburnum exhibit browse.

MEDIUM: browse affects greater than 10 percent and less than 25 percent of stems in the 1 m² nested quadrat and intensive module. A browse line is usually

quarantine and intensive monitoring. A browse line is usually not evident or obvious for all classes and species of vegetation, but careful examination may show

preferential browse and/or browse lines for some species of plants.

MEDIUM HIGH Values include evidence of a browse line and 25 percent of stems browsed with very little vegetation regeneration evident. In this rating, for some

species of plants, reproduction does not appear to occur or it is very severely limited.

HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module AND a browse line is evident

VERY HIGH values include extensive browse conditions, where the browse line is very evident AND almost all browse line is evident.

seedlings and herbs are severely browsed or missing. Browse line may be 5 to 6 feet in height with no or little ^{annual growth beneath}

Geell gjuwuli belleau.
50m

10

200

Plot Origin	Module Number	Tape
Cast	Customer Number	2
		Intensive Corner

卷之三

2bCM_PCAP Species Cover Data Sheet Back Page_Vet 1.3.pdf

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 3 of 3

Project Label: _____ PCAP

Project name: Or Bw 2011 Plot no.: 1134

212

Visual est. % open w/ ~~empty~~ ~~empty~~ site
Visual est. % unverq w/ ~~empty~~ ~~empty~~ site
Total modules.

Visual est. %invasives_{Entire site}

卷之三

Br = Browse Level. Use cover classes to estimate for each intensive module:

describe amount of browse per species over entire plot

Estimate for each intensive module:												R																																																																																																																																																																																																																																																																																																																																																																																																			
		mod		corner		mod		corner		mod		corner		mod		corner		mod		corner		mod																																																																																																																																																																																																																																																																																																																																																																																									
		depth	cov	depth		cov																																																																																																																																																																																																																																																																																																																																																																																																									
%unvegetated open water	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

omer
R
cov

Strata - Cov. entire plot

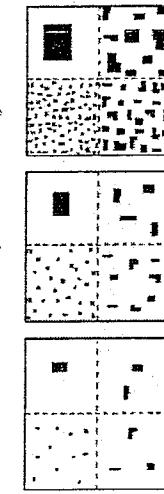
Species	C	% univ. % univ.	Esti- Inte-
Bir = Browse Level. Use cover classes to describe amount of browse per species over entire plot			

1	2	5
1	2	6
1		
2		

Alliaria petiolata
Alnus americana
Macrorhynchus sp.
Tsuga canadensis
Populus tremuloides
Populus tremuloides
Ranunculus hispida

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to convey "Amount or Quantity". **NOTE:** Within any given box, which quantum contains the same plot area covered, just different sized objects.



20%

25%

35%

50%

60%

90%

100%

BROWSE RATING NARRATIVE DESCRIPTION

LOW OR NONE: there is no measurable browse line **AND** there are very few or no plants 1-m nested quadrat and intensive module. In general, low values relate to less than 10 percent, by numbers of stems browsed.

MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas. For example, trilliums may flower and fruit, but jewelweed and arrowwood viburnum exhibit browse.

MEDIUM: browse affects greater than 10 percent and less than 25 percent of stems in the 1 m² nested quadrat and intensive module. A browse line is usually not evident or obvious for all classes and species of vegetation, but careful examination may show preferential browse and/or browse lines for some species of plants.

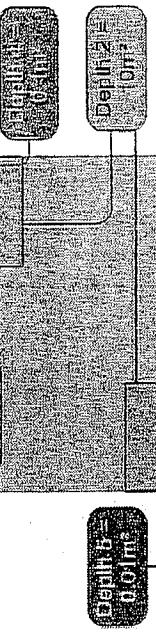
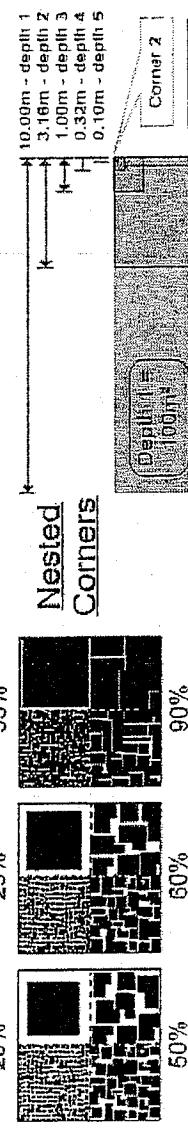
MEDIUM HIGH values include evidence of a browse line and 25 percent of stems browsed with very little vegetation regeneration evident. In this rating, for some species of plants, reproduction does not appear to occur or it is very severely limited.

HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module **AND** a browse line is evident.

VERY HIGH values include extensive browse conditions, where the browse line is very evident **AND** almost all seedlings and herbs are severely browsed or missing.

Browse line may be 5 to 6 feet in height with no or little green growth beneath.

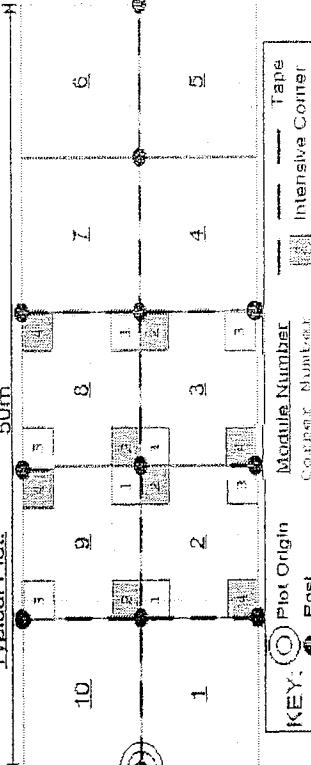
cover class	% cover	midpoint
1	solitary or few	0.0001
2	0-1%	0.005
3	1-2%	0.015
4	2-5%	0.035
5	5-10%	0.075
6	10-25%	0.175
7	25-50%	0.375
8	50-75%	0.625
9	75-95%	0.850
10	95-100%	0.975



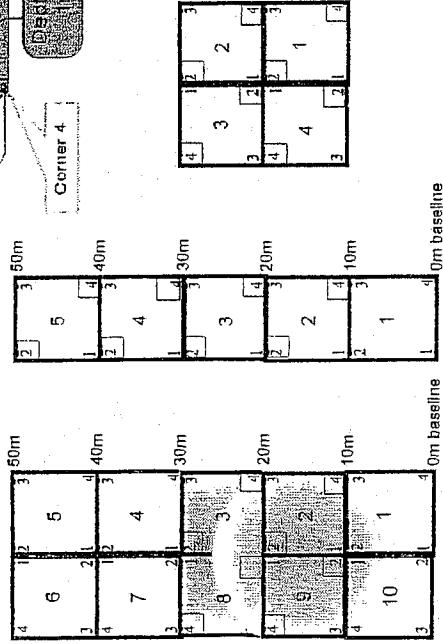
Depth 100m

Depth 31.6m

Depth 10m



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



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: QIBWNZOII

Plot No.: 1134

Page: 1 of 2

Explain subsample (additional room on back):

mod #	species	c	voucher#	# stems 0.5-m browsed	% sub sample	# shrub 0-1	size class (cm) woody stems >1m									JEM 6/24/11	
							1	2	3	4	5	6	7	8	9	10	
1	<i>Ulmus americana</i>						0	0	0	0	0	0	0	0	0	0	
1	<i>Acer rubrum</i>						0	0	0	0	0	0	0	0	0	0	
1	standing dead						0	0	0	0	0	0	0	0	0	0	
1	<i>Fraxinus sp.</i>						0	0	0	0	0	0	0	0	0	0	
1	<i>Vitis cordifolia</i>						0	0	0	0	0	0	0	0	0	0	
2	<i>Acer rubrum</i>						0	0	0	0	0	0	0	0	0	0	
2	<i>Vitis aestivalis</i>						0	0	0	0	0	0	0	0	0	0	
2	<i>Rubus</i>						0	0	0	0	0	0	0	0	0	0	
2	<i>Fraxinus sp.</i>						0	0	0	0	0	0	0	0	0	0	
2	<i>Prunus serotina</i>						0	0	0	0	0	0	0	0	0	0	
3	<i>Acer rubrum</i>						0	0	0	0	0	0	0	0	0	0	
3	<i>Fraxinus sp.</i>						0	0	0	0	0	0	0	0	0	0	
3	<i>Lonicera morrowii</i>						0	0	0	0	0	0	0	0	0	0	
3	<i>Rosa multiflora</i>						0	0	0	0	0	0	0	0	0	0	
3	<i>Frangula alnus</i>						0	0	0	0	0	0	0	0	0	0	
4	<i>Rosa multiflora</i>						0	0	0	0	0	0	0	0	0	0	
4	<i>Acer rubrum</i>						0	0	0	0	0	0	0	0	0	0	
4	standing dead						0	0	0	0	0	0	0	0	0	0	
4	<i>Fraxinus sp.</i>						0	0	0	0	0	0	0	0	0	0	
5	<i>Acer rubrum</i>						0	0	0	0	0	0	0	0	0	0	
5	<i>Vitis aestivalis</i>						0	0	0	0	0	0	0	0	0	0	
5	<i>Smilax rotundifolia</i>						0	0	0	0	0	0	0	0	0	0	
6	<i>Acer rubrum</i>						0	0	0	0	0	0	0	0	0	0	
6	<i>Picea abies</i>						0	0	0	0	0	0	0	0	0	0	
																50.3	

rank as described below)

ASW CANOPY BREAKUP CONDITION (for dead trees):

- 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 an ash receives a score rank as described below

- Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- Diseback: Canopy is thinning and some top branches exposed to sunlight die naturally and are not considered diseback.
- >50% Diseback: Canopy is thinning and some top branches exposed to sunlight die naturally and are not considered diseback.
- Dead canopy: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
- >50% Diseback: 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.

LSH CANOPY CONDITION

Figure 1 consists of five electron micrographs labeled 1 through 5. Panels 1, 2, 3, and 4 show various stages of a process, with panel 5 showing a more advanced stage where a prominent, dark, branching structure is visible. The images are in grayscale and show increasing levels of organization and density from left to right.

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: OBN 2011

Plot No.: 1136

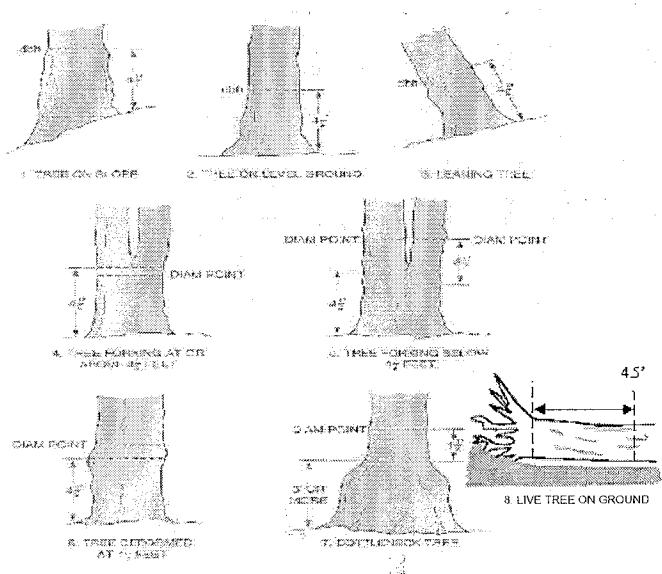
Page: 2 of 2

PRINTING PRECONDITIONS

Explain subsample (additional room on back):

mod #	species	c	voucher#	# stems 0.5-1m browsed	% sub sample	# shrub clumps	size class (cm) woody stems >1m										35 - <40 >40 (record each tree)
							1	2	3	4	5	6	7	8	9	10	
6	<i>Ulmus americana</i>			•			•										
6	<i>Fraxinus sp.</i>			•													
7	<i>Lonicera maackii</i>			•													
7	<i>Frangula alnus</i>			•													
7	<i>Fraxinus sp.</i>			•													
7	<i>Picea abies</i>			•													54.9
7	Standing dead										•						
7	<i>Vitis aestivalis</i>						•	•									
8	<i>Picea abies</i>																44.5, 43.0, 48.4
8	<i>Vitis aestivalis</i>																
8	Standing dead																
8	<i>Fraxinus americana</i>			•													
8	<i>Ligustrum vulgare</i>																
9	<i>Acer rubrum</i>																
9	<i>Picea abies</i>																
9	<i>Fraxinus sp.</i>																
9	<i>Celastrus orbiculatus</i>			•													
10	<i>Picea abies</i>																50.4, 42.4
10	<i>Vitis aestivalis</i>			•													
10	<i>Fraxinus sp.</i>																
10	<i>Ligustrum vulgare</i>																
1	<i>Acacia saccharinum</i>																

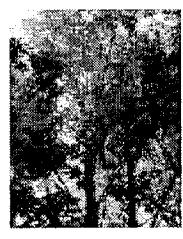
DBH Measurement Rules



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



ASH CANOPY CONDITION

1. **Healthy, full canopy:** A healthy ash canopy is normally thinner than many other trees such as maple.
2. **Thinning canopy:** There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
3. **Dieback:** Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered.
4. **>50% Dieback:** The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
5. **Dead canopy:** No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



A

B

C

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.

X: Yes

of Plants
4: 50-100
5: 100-1,000
6: >1,000

of Plants
1: 1-10
2: 11-50.
3: >50

Presence
X: Yes

Tier 1: Early detection/ Rapid response				Presence	GPS
Tier 2: Assess as Need				# of Plants	Comments
Tier 3: Presence is of interest				# of Plants	Comments
Convallaria majalis (G-cover)	Lily of the Valley	NE	SE	SW	NW
Coronilla varia (G-cover)	Crown Vetch				
Eleutherococcus pentaphylloides (G-cover)	Five-leaf Aralia				
Pachysandra terminalis (G-cover)	Japanese Pachysandra				
Phillyadelphus coronarius (G-cover)	Mock Orange				
Pulmonaria officinalis (G-cover)	Lungwort				
Rubus phoenicolasius (Wetland)	Wineberry				
Iris pseudacorus (Wetland)	Yellow Flag Iris				
Osmunda cinnamomea (Wetland)	Star of Bethlehem				
Viburnum opulus var. opulus	European Cranberry				
Viburnum plicatum	Doublefile Viburnum	1	+		
Tier 4: Widely spread and abundant				Presence	Comments
Alliaria petiolata	Garlic Mustard	NE	SE	SW	NW
Ligustrum vulgare	Common Privet	X	X		
L. morrowii, L. tatarica	Bush Honeyuckles (shrub)	X	X		
Phalaris arundinacea	Reed Canarygrass	X	X		
Phragmites australis (wetland)	Phragmites	X	X		
Polygonum cuspidatum	Japanese Knotweed				
Fragaria ananassa	Glossy Buckthorn (shrub)	X	X		
Rosa multiflora	Multiflora Rose (shrub)	X	X		
Cirsium arvense	Canada Thistle				
Diplotaxis erucoides, T. x glauca	Cat-tails (wetland)	X	X		
Hedera helix	Dame's Rocket				
Dipsacus fullonum	Common Teasel				
Vinca minor	(G-cover)				

CLEVELAND METROPARKS Emerald Ash Borer - *Fraxinus* Sheet

Project Label: PCAP

Project Name: B1 BW2011

INTENSIVE MODULES ONLY TREES $\geq 10\text{cm}$ ONLY

PLOT NO.: 1134 DATE: 24 June 2011

Page: 1 of 2

© 2011 Metroparks of Cleveland

Module	Tree ID	Species	Dead c	Voucher#	DBH (cm)	Ht @ DBH	Ash condition	ASH ONLY		
								Dead holes	# Exit	Epicormic present
1		No Ashes in Intensives								
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Baseline

*** Change intensive module numbers when necessary

9

8

2

3

Map all ash trees $\geq 10\text{cm}$ in each module using Tree ID number

* If Ash Condition scores 5 (dead) provide breakup score (A-E)
 Count EAB exit holes $1.25\text{m}^2 \times \geq 1.5\text{m}$
 Woodpecker and epicormic marked present (1) or absent (0)

COVER BY STRATA (% estimate using midpoints of 5 or 3 & 13.18%)		
Strata	Height Range (in)	Total Cover (%)
Tree	5.0 - 5.0	0.3
Shrub	0.5 - 5.0	3
Herb	0 - 0.5	4.3
(Flowering)*	-	0
(Aquatic)**	-	0
*rooted and rooting or slightly emersed		
**submersed, most plant mass below surface		
SEE BACK OF PAGE FOR "TYPICAL" STRATA DESCRIPTIONS, STRATA CAN VARY BY COVER TYPE.		

Remember: In a standard 2x5 plot each module = 10% cover

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Ranks for microhabitat features. Select one or select two and average the score. NOTE: If mod fails on a slope automatically gets ranked based on steepness 1-3).
 Slope 1 = slight elevation grade across module (hill) Slope 2 = falls on slope ~20° Slope 3 = maximum steepness that can be safely sampled ~45°

0 feature is absent or functionally absent (Golf Course Flat)

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

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

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

C.W.D. - count for pieces with minimum 1m length						
no. of tussocks	no. macro hummocks	c.w.d.	c.w.d.	c.w.d.	microhab.	microhab.
depth 3	depth 2	(2-12 cm)	(12-40 cm)	>40 cm	+45 degrees	NE
3.18x3.16m	3.18x3.16m	depth 1	depth 1	depth 1	+90 degrees	E
10x10m	10x10m	10x10m	10x10m	10x10m	+135 degrees	SE
mod#	corner	(count)	(count)	(count)	(count)	(count)
2	0	0	2	15	3	6
3	0	0	3	16	7	2
8	0	0	2	4	1	0
9	0	0	2	7	0	0

NOTE: tussock and hummocks are counted in 80'x1' nested quadrat corners but counts are aggregated.

macro depressions = macrotopographic depressions with module. These may extend into other modules and be counted again.

c.w.d. = coarse woody debris

microhab. interspers. = overall ranking of plot microtopographic interspersion complexity using scale below

MCNAB INDICES (degrees) + for up - for down			
[FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]			
Module	N	S	E
2	3	2	0
3	2	0	0
8	0	2	4
9	2	1	1

CROWN COVER DENSITOMETER: Make 4 readings per module facing N, S, E, W. Place 4 dots per grid square

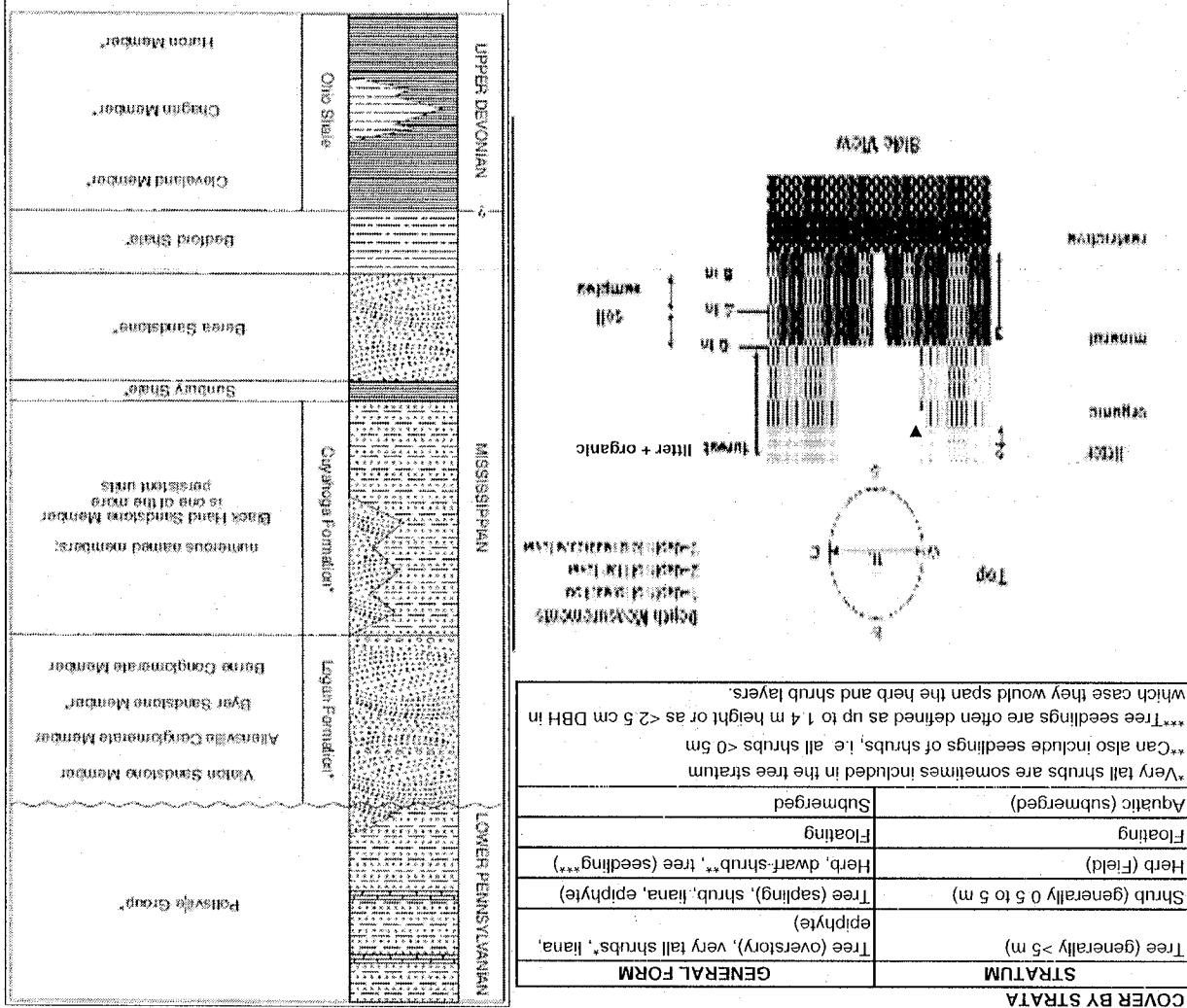
Module	N	S	E	W
2	3	2	0	5
3	2	0	0	3
8	0	2	4	2
9	2	1	1	0

LEI* TSI**

LEI is angle of plot to the horizon. TSI is angles formed by local slopes. For TSI measure angle from recorder eye to eye of person standing ~10 m away.
--

LEI* TSI**

LANDFORM INDEX (position within landscape)			
* Terrain Shape Index (state microtopographic shape)			



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



Project label: PCAP Project Name: OBU 2011

Plot No.: 1134

Page: 1 of 1

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

Soil pit module # 3 (one per entire plot)

5 cm	matrix color	<u>3/2</u>	10 YR
	mottle color	<u>none</u>	
	%mottle	<u>n/a</u>	
	oxid roots	<u>Y</u>	<u>N</u>
	texture*	<u>1</u>	
	redox features**	<u>Y</u>	<u>S</u>
	hydr. cond.***	<u>I</u>	<u>S</u> <u>M</u> <u>D</u>
20 cm	matrix color	<u>3/2</u>	10 YR
	mottle color	<u>none</u>	
	%mottle	<u>n/a</u>	
	oxid roots	<u>Y</u>	<u>N</u>
	texture*	<u>1</u>	
	redox features**	<u>Y</u>	<u>N</u>
	hydro. cond. ***	<u>I</u>	<u>S</u> <u>M</u> <u>D</u>

Soil Collection Module		Horizon (A, B, C)	
	2,3,8,9 compositd		A
Soil Description/notes:			

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

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 VIB-E score calculation. C? = check when collected

Module #	C?	Corner	Corner

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

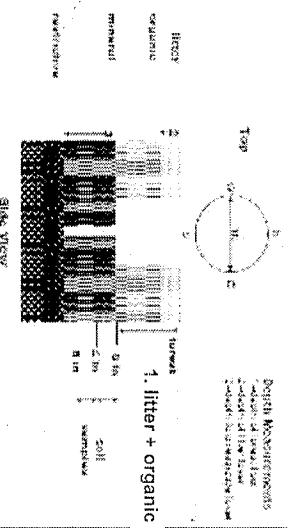
mod#	1 litter + organic depth (cm)	2 litter depth (cm)	3 restrict. depth(cm)	water depth (cm)	depth sat. soil (cm)
2	2.0	2.0	6.5cm	0.0	0.0
3	3.0	3.0	38cm	0.0	0.0
8	1.0	1.0	23	0.0	0.0
9	2.0	2.0	61.	0.0	7.30cm

Length of soil probe = 125 cm

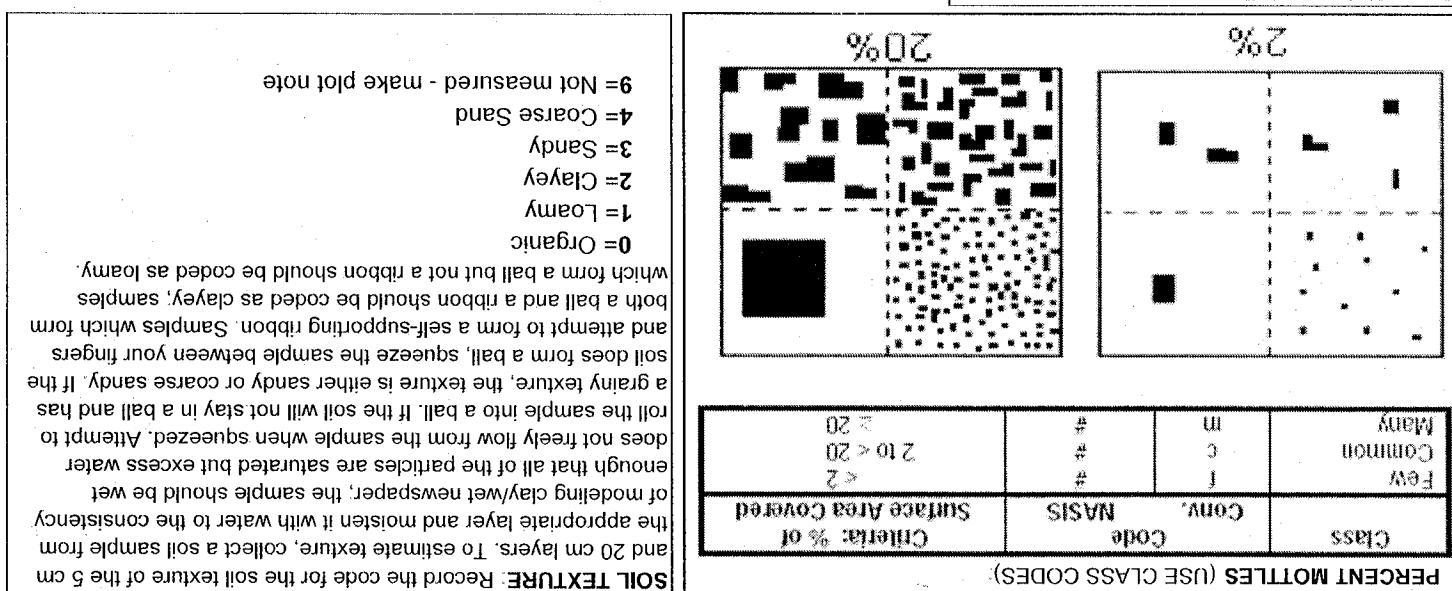
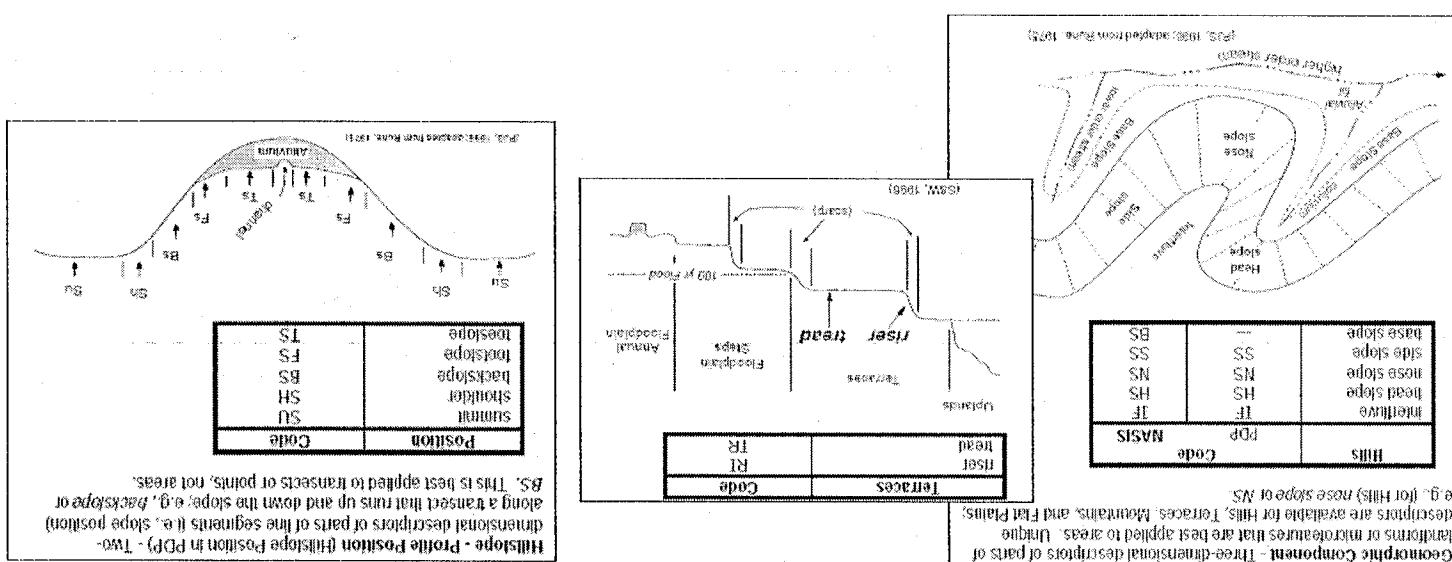
Use Web Soil Survey for #3 Restrictive layer dept.
1. litter + organic

Top	1. litter + organic
1. litter + organic	
2. litter + organic	
3. litter + organic	
4. litter + organic	

- *** Circle one:
I=undrained S=saturated M=moist D=dry
- Notes:** include evidence of earthworms (worms, castings, middens)
- DATA:** 1 sm. earthworm found at 5cm (*Lumbricus sp.*)
- DRAINAGE***
- Excessively drained
- Somewhat excessively drained
- Well drained
- Moderately well dr.
- Somewhat poorly dr.
- Very poorly dr.
- Impermeable surface



UNKNOWN: The hydrologic regime cannot be determined from the available information.	
PERMANENTLY FLOODED: Water covers the land surface at all times of the year in all years. Equivalent to Cowardin's "permanently flooded".	
SEMI-PERMANENTLY 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 Semi-permanently Flooded" models.	
INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable flooding. Includes Cowardin's "temporally modified".	
TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil characterizes floodplain upper terraces.	
OCASIONALLY FLOODED: Surface water can be present for brief periods during the growing season. Equivalent to Cowardin's "Saturated modifier".	
PERMANENTLY/SEMI-PERMANENTLY 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.	
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.	
UPLAND: Not a wetland. Very rarely flooded.	



PERCENT MOTTLING (USE CLASS CODES)

SOIL TEXTURE: Record the texture 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 not form a ball, squeeze the sample between your fingers both a ball and a ribbon should be coded as clayey, samples

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.

Many	Conv.	Code	Code	Code	Code
Conv.	NASIS	Code	Code	Code	Code
Conv.	NASIS	Code	Code	Code	Code
Conv.	NASIS	Code	Code	Code	Code

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID:

PCAP 1134 BW

DATE: 6/24/2011

Location:

AA Center O N O S O E O W

Fill in bubble(s) if plot(s) could not be sampled and flag →

Plot 1 Plot 2 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%)

Buffer Plot 1	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0	Buffer Plot 2	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/> 0	Buffer Plot 3	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/> 0
	Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag: <input checked="" type="radio"/> 1			Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Flag: <input type="radio"/> 0			Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Flag: <input type="radio"/> 0	
Big Trees (>0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Herbs, Forbs and Grasses	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Rock	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Water	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	
Submerged Vegetation	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4

Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. 0

Residential and Urban Stressors				Hydrology Stressors				Agricultural & Rural Stressors							
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	
Road - gravel	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Ditches, Channelization	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Pasture/Hay	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Road - two lane	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Range	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Road - four lane	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Water Level Control Structure	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Row Crops	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Parking Lot/Pavement	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Excavation, Dredging	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Golf Course	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Fill/Spoil Banks	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Lawn/Park	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Nursery	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Suburban Residential	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Soil Loss/Root Exposure	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Dairy	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Urban/Multifamily	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Wall/Riprap	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Orchard	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Landfill	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Inlets, Outlets	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Confined Animal Feeding	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Dumping	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Rural Residential	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Trash	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Impervious surface input (SHEETFLOW)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Gravel Pit	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Irrigation	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		

Industrial Development Stressors				Habitat/Vegetation Stressors											
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	
Oil Drilling	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Forest Clear Cut	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Herbicide Use	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Gas Wells	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Forest Selective Cut	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Mowing/Shrub Cutting	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Mine (surface)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Tree Plantation	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Trails	<input checked="" type="radio"/> 3	<input type="radio"/> 0	<input type="radio"/> 1		
Mine (underground)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Tree Canopy Herbivory (INSECT)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Military	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/> 3	<input type="radio"/> 0	<input type="radio"/> 1		Offroad vehicle damage	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Recently Burned Forest Canopy	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Recently Burned Grassland (BLACKENED)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2		

Flag 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

2428168304

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (BACK)											
Site ID: 111111											DATE: _____
④ Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble											
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 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 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Purple Loosestrife <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Johnson Grass <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Kudzu <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Yellow Floating Heart <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Multiflora Rose <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Garlic Mustard <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Giant Reed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Himalayan Blackberry <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Mile-A-Minute Weed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Reed Canary Grass <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Tansy <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Poison Hemlock <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Cheatgrass <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Birdfoot Trefoil <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Common Reed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Canada Thistle <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Leafy Spurge <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
Provide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of the plot coordinates by filling in the appropriate bubble.											
If Buffer Plot 3 can not be accessed, take the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble. Fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.											
Location of coordinates (choose one):											
Flag <input type="checkbox"/> AA CENTER <input type="checkbox"/> N3 <input type="checkbox"/> S3 <input type="checkbox"/> E3 <input type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (flag and comment below)											
Latitude North 41 43 53 Longitude West 81 95 85 Use Decimal Degrees; NAD83											
Comments											
Row of planted riceables running through E side of Plot											

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP BW 1134

DATE: 06/24/2011

Location: AA Center N S E W

Fill in bubble(s) if plot(s) could not be sampled and flag →

Plot 1 Plot 2 Plot 3

F1

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%)

Buffer Plot 1	Canopy Type: <input type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0	Buffer Plot 2	Canopy Type: <input type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0	Buffer Plot 3	Canopy Type: <input type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0						
	Leaf Type: <input type="radio"/> B <input type="radio"/> N				Leaf Type: <input type="radio"/> B <input type="radio"/> N				Leaf Type: <input type="radio"/> B <input type="radio"/> N								
Big Trees (>0 3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Big Trees (>0 3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Big Trees (>0 3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Small Trees (<0 3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Small Trees (<0 3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Small Trees (<0 3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Rock	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Rock	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Rock	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Water	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Water	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Water	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Submerged Vegetation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Submerged Vegetation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Submerged Vegetation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4

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	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Road - two lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Range	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Road - four lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Water Level Control Structure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Row Crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Parking Lot/Pavement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excavation, Dredging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Golf Course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fill/Spoil Banks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Lawn/Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Nursery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Suburban Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Loss/Root Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Trash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Impervious surface input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Industrial Development Stressors				Habitat/Vegetation Stressors											
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	
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Shrub Layer Browsed (WILD OR DOMESTIC)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Recently Burned Forest Canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Flag 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

2428168304

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)

Q Confirms a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

Flag bubble if present - Pilot 1 2 3 Flag F11 bubble if present - Pilot 1 2 3 Flag F11 bubble if present - Pilot 1 2 3 Flag

Eurasian Wall-milfoil (Myriophyllum spicatum) Purple Loosestrife (Lythrum salicaria) Johnson Grass (Sorghum halepense)

Yellow Floating Heart <img alt="

Plant Salvinia Perennials Reproductive Gomphon Buckthorn

Garlic Mustard ○○○○ Giant Reed ○○○○ Himalayan Blackberry ○○○○

middle-class millionaire weedeater

Birdsfoot Trefoil Common Reed Other

Canada Thistle <img alt="leaf icon" data-bbox="12868 875 12883

Umeret Umeret Umeret Umeret Umeret Umeret Umeret Umeret

PLOT COORDINATES

Problems, GBS concepts, and the concept of the GBS, 1st and 2nd year, Business Transaction and the Business Plan at the AA CENTER

location of the coordinates defining the boundary of the channel for the downstream boundary.

PLT COORDINATES

Plot Coordinates										
Plot	1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	
Eurasian Watermilfoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Purple Loosestrife	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Johnson Grass	<input type="radio"/>	<input type="radio"/>
Water hyacinth	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Knotweed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Kudzu	<input type="radio"/>	<input type="radio"/>
Yellow Floating Heart	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Japanese Knotweed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Multiflora Rose	<input type="radio"/>	<input type="radio"/>
Giant Salvinia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	PerenniaL Pepperweed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Common Buckthorn	<input type="radio"/>	<input type="radio"/>
Garlic Mustard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Giant Reed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Himalayan Blackberry	<input type="radio"/>	<input type="radio"/>
Poison Hemlock	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Chenopodium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tamarisk	<input type="radio"/>	<input type="radio"/>
Mile-A-Minute Weed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Reed Canary Grass	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other	<input type="radio"/>	<input type="radio"/>
Birdsfoot Trefoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Common Reed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other	<input type="radio"/>	<input type="radio"/>
Canada Thistle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Leafy Spurge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other	<input type="radio"/>	<input type="radio"/>

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PC AP BW 1134

DATE: 6/24/2011

Location:	Fill in bubble(s) if plot(s) could not be sampled and flag →				
<input type="radio"/> AA Center <input type="radio"/> N <input type="radio"/> S <input checked="" type="radio"/> E <input type="radio"/> W	<input type="radio"/> Plot 1 <input type="radio"/> Plot 2 <input type="radio"/> 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%)

Buffer Plot 1	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 2	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 3	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>		
	Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N				Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N				Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N				
Big Trees (<0.3m DBH)	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Big Trees (>0.3m DBH)	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Herbs, Forbs and Grasses	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Herbs, Forbs and Grasses	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Litter, duff	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input checked="" type="radio"/> 3	<input type="radio"/> 4
Rock	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Rock	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Water	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Water	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Submerged Vegetation	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Submerged Vegetation	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4

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	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Road - two lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Range	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Road - four lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Water Level Control Structure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Row Crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Parking Lot/Pavement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Excavation, Dredging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Golf Course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Fill/Spoil Banks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Lawn/Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Nursery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Suburban Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil Loss/Root Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Trash	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>		Impervious surface input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Industrial Development Stressors				Habitat/Vegetation Stressors										
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
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Recently Burned Forest Canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP BW 1134

DATE: 6/24/2011

Location:

AA Center N S E W

Fill in bubble(s) if plot(s) could not be sampled and flag →

Plot 1 Plot 2 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%)

Buffer Plot 1	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 2	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 3	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>
	Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag			Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag			Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag	
Big Trees (>0.3m DBH)	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		<input type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
Small Trees (<0.3m DBH)	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		<input type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		<input type="radio"/>
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
Herbs, Forbs and Grasses	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Herbs, Forbs and Grasses	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Herbs, Forbs and Grasses	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
Bare ground	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		<input type="radio"/>	Bare ground	<input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Bare ground	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
Litter, duff	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Litter, duff	<input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Litter, duff	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		<input type="radio"/>
Rock	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Rock	<input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Rock	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
Water	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Water	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Water	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
Submerged Vegetation	<input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Submerged Vegetation	<input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Submerged Vegetation	<input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>

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	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Road - two lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Range	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Road - four lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Water Level Control Structure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Row Crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parking Lot/Pavement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excavation, Dredging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Golf Course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fill/Spoil Banks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lawn/Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Nursery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Suburban Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Loss/Roof Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trash	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Impervious surface input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Industrial Development Stressors				Habitat/Vegetation Stressors								
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Trails human	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Recently Burned Forest Canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Flag 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

Walking from plot 2 → 3, then past the foundation of a log ~~2x2m~~ structure

Flag	Comments
------	----------

Use Decimal Degrees; NAD83

Latitude North 41 42 13.3 Longitude West 81 45 8.64

AA CENTER N3 S3 W3 Nearest practicable location (flag and comment below)

Location of coordinates (choose one):

Flag

If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.

Provide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of the plot coordinates by filling in the appropriate bubble.

PLOT COORDINATES

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
Water Hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rudzu	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Eurasian Watermilfoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Johnson Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Yellow Floating Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Japonese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Multiflora Rose	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Giant-Savinaia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Peregrinal Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Common Buckthorn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Garlic Mustard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Himalayan Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cheatgrass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tamarsk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mile-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reed Canary Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Birdsfoot Trefoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leary Sprigge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

• Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

DATE:

Site ID:

Reviewed by (initials):

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP BW 1134

DATE: 06/24/2011

Location: AA Center N S E W

Fill in bubble(s) if plot(s) could not be sampled and flag → Plot 1 Plot 2 Plot 3 F1

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%)

Buffer Plot 1	Canopy Type: <input type="radio"/> D <input type="radio"/> E				Absent: <input type="radio"/>	Buffer Plot 2	Canopy Type: <input type="radio"/> D <input type="radio"/> E				Absent: <input type="radio"/>	Buffer Plot 3	Canopy Type: <input type="radio"/> D <input type="radio"/> E				Absent: <input type="radio"/>		
	Leaf Type: <input type="radio"/> B <input type="radio"/> N		Flag				Leaf Type: <input type="radio"/> B <input type="radio"/> N		Flag				Leaf Type: <input type="radio"/> B <input type="radio"/> N		Flag				
Big Trees (>0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Big Trees (>0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Big Trees (>0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Rock	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Rock	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Rock	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Water	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Water	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Water	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Submerged Vegetation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Submerged Vegetation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4		Submerged Vegetation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4

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	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	
Road - gravel	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Ditches, Channelization	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Pasture/Hay	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Road - two lane	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Range	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Road - four lane	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Water Level Control Structure	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Row Crops	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Parking Lot/Pavement	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Excavation, Dredging	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Golf Course	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Fill/Soil Banks	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Lawn/Park	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Nursery	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Suburban Residential	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Soil Loss/Root Exposure	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Dairy	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Urban/Multifamily	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Wall/Riprap	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Orchard	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Landfill	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Inlets, Outlets	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Confined Animal Feeding	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Dumping	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Rural Residential	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Trash	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Impervious surface input (SHEETFLOW)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Gravel Pit	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Irrigation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	

Industrial Development Stressors				Habitat/Vegetation Stressors											
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	
Oil Drilling	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Forest Clear Cut	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Herbicide Use	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Gas Wells	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Forest Selective Cut	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Mowing/Shrub Cutting	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Mine (surface)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Tree Plantation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Trails	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Mine (underground)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Tree Canopy Herbivory (INSECT)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Military	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Shrub Layer Browsed (WILD OR DOMESTIC)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Offroad vehicle damage	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Soil erosion (FROM WIND, WATER OR OVERUSE)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Recently Burned Forest Canopy	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Recently Burned Grassland (BLACKENED)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> O	

Flag 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

2428168304

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)											
Site ID: _____											DATE: _____
Reviewed by (initials): _____											
<input type="checkbox"/> Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble											
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 Fill bubble if present - Plot 1 2 3 Flag											
Eurasian Watermilfoil <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Purple Loosestrife <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Knotweed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Kudzu <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Multiflora Rose <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Perennial Pepperweed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Common Buckthorn <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Himalayan Blackberry <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Reed Canary Grass <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Common Reed <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Leafy Spurge <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Canada Thistle <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Leafy Spurge <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AA CENTER <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> W3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> S3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Nearest practicable location (flag and comment below)											
Provide GPS coordinates at the center of the Buffer Plot (#) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of the plot coordinates by filling in the appropriate bubble.											
If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.											
Location of coordinates (choose one): _____											
Latitude North _____ Longitude West _____ Use Decimal Degrees; NAD83											
Flag _____											
Comments _____											
EI <i>Transect not or part property</i>											