

CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form



Project Label: PCAP Plot No: 1287 Date Sampled: 8-28-3 Lead: Burton

Comment required if item answer is NO

Parking/Access outside of Park Boundaries:	<input checked="" type="radio"/> Y <input type="radio"/> N	If yes, write details in Comments section below
Field journals completed	<input checked="" type="radio"/> Y <input type="radio"/> N	
Site sketch made on 1:3000 map?	<input checked="" type="radio"/> Y <input type="radio"/> N	
Check cover page	X-axis Bearing of plot recorded	<input checked="" type="radio"/> Y <input type="radio"/> N
	GPS coords. Recorded	<input checked="" type="radio"/> Y <input type="radio"/> N
	North direction recorded	<input checked="" type="radio"/> Y <input type="radio"/> N
	Photographs taken?	<input checked="" type="radio"/> Y <input type="radio"/> N
Plot No., Date agreement on all pages?	<input checked="" type="radio"/> Y <input type="radio"/> N	
Header data completed all pages?	<input checked="" type="radio"/> Y <input type="radio"/> N	
Cover classes recorded in all Intensive modules	<input checked="" type="radio"/> Y <input type="radio"/> N	
Browse Level By Species	<input checked="" type="radio"/> Y <input type="radio"/> N	
Woody stem quality control check	<input checked="" type="radio"/> Y <input type="radio"/> N	
Invasive plant quality control check	<input checked="" type="radio"/> Y <input type="radio"/> N	
Ash trees mapped	<input checked="" type="radio"/> Y <input type="radio"/> N	
Cover by Strata? (confirm cover type)	<input checked="" type="radio"/> Y <input type="radio"/> N	
Soil samples collected with matching plot #.	<input checked="" type="radio"/> Y <input type="radio"/> N	
Vouchers labeled on datasheet with initials and number	<input checked="" type="radio"/> Y <input type="radio"/> N	
Vouchers labeled on collection bag	<input checked="" type="radio"/> Y <input type="radio"/> N	
Pink flags removed	<input checked="" type="radio"/> Y <input type="radio"/> N	
Data sheet QA before leaving site?	<input checked="" type="radio"/> Y <input type="radio"/> N	
Common equipment returned to tub.	<input checked="" type="radio"/> Y <input type="radio"/> N	
Data sheets scanned?		Enter date to left <i>SE 8/3/12</i>
Final data sheets scanned?		Enter date to left
Buffer Widths measured?	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>NZ 7-6-12</i>
Web Soil Survey	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>SE 8/3/12</i>
Voucher Location	Refrigerator	<input checked="" type="radio"/> Y <input type="radio"/> N
(# vouchers collected)	Press (#)	Enter number to left
	Drier	<input checked="" type="radio"/> Y <input type="radio"/> N
	Identified	<input checked="" type="radio"/> Y <input type="radio"/> N
	Mounted	<input checked="" type="radio"/> Y <input type="radio"/> N
	Thrown away	<input checked="" type="radio"/> Y <input type="radio"/> N

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 water (i.e. river, lake)
	<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:

D

C

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2
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GENERAL INFORMATION		LOCATION
Project Label: PCAP		State: OH County: Cuy
Project Name: 013Be2012		Quadangle: Northfield
Plot Name: Free Tibet (with purchase)		Local Place Names: Overlook Lane & Egbert Road intersection
Plot No.: 1287		Landowner: CM
Date (mm/dd/yyyy): 8 / 2 / 12		End date (if > 1 day): / /
Party	Role**	
Z. Barto	Plot leader	A. Young S. Cotterella N. Zimmerman Bart. Asst.
Wadyski's		
** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.		
PLOT NOT SAMPLED:		
<input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety		
SAMPLING QUALITY*		
Effort Level: <input checked="" type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurned		
subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data		
TAXONOMIC ACCURACY		
high	modera.	low
<input checked="" type="checkbox"/>		<input type="checkbox"/>
vascul.		n/a
bryo		<input checked="" type="checkbox"/>
lichen		<input checked="" type="checkbox"/>
TAXONOMIC STANDARD		
Authority: G&C	Pub Date: 1998	Minimum required fields in Bold and Underlined

Diagram Key:
● Plot origin (0,0) point ● GPS location point ● photo taken, with direction ● location of permanent posts

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: Park at ~~unattned~~ nameless parking area ~180m S of plot. Walk North along road or APT 180m - plot is immediately in woods on East side of Overlook Lane

Rationale: GRTS

Veg char.: Rhodo, Sassafras albidum, Lin. odendron, tulip, fern, Acer rubrum, Quercus, shrub-Lindera benzoin, Rosa multiflora, Crataegus, Lonicera maackii

Hor - Alliaria petiolata, Carex sp, Verbesina, Hemifolia, Epipactis, Nigrosum, Parthenocissus, cingulata

OVER

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

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name: 01Be202

Plot No.: 1281

Relandscaped/Matured

Page 2 of 2

MODIFIED NATURE RESERVE CLASS*

CODE (on separate form):

D

Fit= L Conf= H

DISTURBANCES

type*	severity**	yrs ago	% of plot	description
Human	M	0	100	Trash
Natural				
Fire				
Cut	H	0	100	Browse
Animal				
Other				

**L=low, M=med low, M=med, MH=med high, H=high, VH=very high				
Current Land Use:				Park
Former Land Use:				Unk

HOMOGENEITY

- Homogeneous Compositional trend across the plot
 Conspicuous inclusions Irregular/pattern mosaic

HYDROLOGIC REGIME*

<input checked="" type="checkbox"/> Upland (seldom flooded)	<input type="checkbox"/> Intermittently flooded
<input type="checkbox"/> Intermittently/seasonally saturated (seldom flooded)	<input type="checkbox"/> Semipermanently flooded
<input type="checkbox"/> Permanently/Semipermanent saturated (dry <1/yr, seldom flooded)	<input type="checkbox"/> Permanently flooded
<input type="checkbox"/> Occasionally flooded (<1/yr)	<input type="checkbox"/> Tidal/Seiche flooded daily
<input type="checkbox"/> Temporarily flooded (e.g. wind, storms)	<input type="checkbox"/> Tidal/Seiche flooded irregularly
(by default unless plot is a wetland)	<input type="checkbox"/> Unknown

Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)

Plot was covered in senesced garlic mustard - sampling earlier in the year would give very different numbers for that species.

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a

Project Label: PCAP

Project name: 01B2012

Page 1 of 3

Total modules: 10 Intensive modules: 4 Plot configuration: 2x5 Plot area (ha): 0.1



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

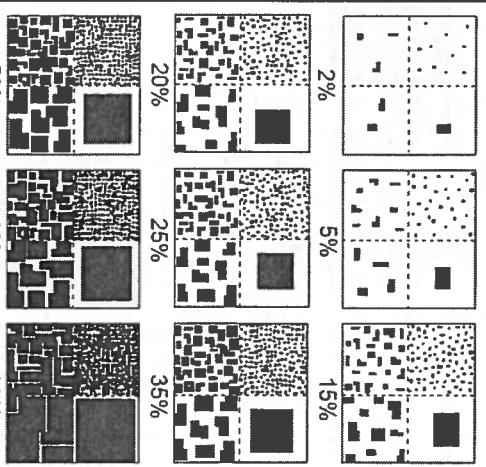
Strata - Cov. entire plot

T	S	H	(F)	(A)	Br	Species	C	Voucher #	Estimate for each	Intensive module:															
mod	corner	mod	corner	mod	corner	mod	corner	mod	mod	mod	mod	mod	mod	mod	mod	mod	mod	mod	mod	mod	mod	mod	mod	mod	
depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov
8.	2	1	1	1	1	<i>Rhamnus cathartica</i>	4	84	4	74	4	74	4	74	4	74	4	74	4	74	4	74	4	74	4
7.	2	1	1	1	1	<i>Jasminum nudiflorum</i>	4	62	3	33	2	23	2	23	2	23	2	23	2	23	2	23	2	23	2
8.	2	1	1	1	1	<i>Liquidambar styracifolia</i>	4	45	2	22	4	45	2	22	4	45	2	22	4	45	2	22	4	45	2
3.	2	1	1	1	1	<i>Acer saccharum</i>	4	6	1	5	1	4	1	5	1	4	1	3	1	3	1	3	1	3	1
5.	2	1	1	1	1	<i>Alliaria petiolata</i>	4	54	4	55	4	54	4	54	4	54	4	54	4	54	4	54	4	54	4
2.	2	1	1	1	1	<i>Fraxinus seedlings</i>	2	22	3	22	4	24	4	24	4	24	4	24	4	24	4	24	4	24	4
2.	2	1	1	1	1	<i>Parthenocissus quinquefolia</i>	2	23	4	24	4	24	4	24	4	24	4	24	4	24	4	24	4	24	4
2.	2	1	1	1	1	<i>Rosa multiflora</i>	2	3	1	33	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2
2.	2	1	1	1	1	<i>Liriodendron tulipifera</i>	2	22	3	23	3	23	3	23	3	23	3	23	3	23	3	23	3	23	3
1.	2	1	1	1	1	<i>Carya cordiformis</i>	2	1	2	23	1	2	2	23	1	2	2	23	1	2	2	23	1	2	2
2.	2	1	1	1	1	<i>Allium tricoccum</i>	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2
2.	2	1	1	1	1	<i>Acer seedling</i>	2	23	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2
3.	2	1	1	1	1	<i>Eupatorium rugosum</i>	2	53	2	23	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2
1.	2	1	1	1	1	<i>Ulmus seedlings</i>	2	23	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2
2.	2	1	1	1	1	<i>Mitchella repens</i>	2	1	2	23	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2
2.	2	1	1	1	1	<i>Toxicodendron radicans</i>	2	23	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2	22	2
3.	2	1	1	1	1	<i>Polygonum virginianum</i>	2	43	3	22	3	33	3	33	3	33	3	33	3	33	3	33	3	33	3
2.	2	1	1	1	1	<i>Oxalis stricta</i>	1	2+	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2.	2	1	1	1	1	<i>Comus sp.</i>	2	1+	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2.	2	1	1	1	1	<i>Torilis sp.</i>	2	1+	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2.	2	1	1	1	1	Urtica dioica RRBC 30 ZSB 92512	2	1+	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
2.	2	1	1	1	1	<i>Verbena stricta</i>	2	1	2	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2.	2	1	1	1	1	<i>Rubus allegheniensis</i>	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3.	2	1	1	1	1	<i>Carex sp. (in rcp)</i>	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3.	2	1	1	1	1	<i>Vitis sp.</i>	2	1	2	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2

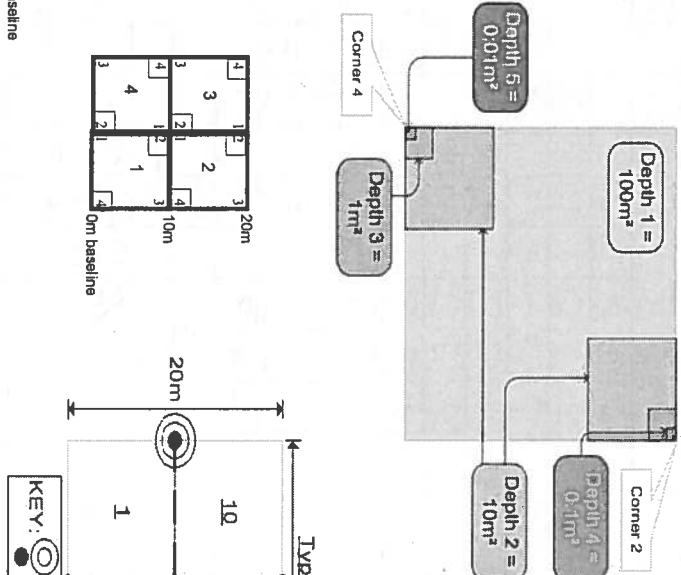
thinks
climbing

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, each quadrant contains the same total area covered, just different sized objects.



Nested Corners



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

cover class

% cover

midpoint

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.

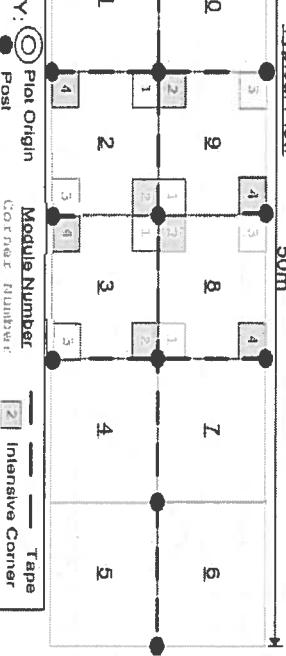
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a

CLEVELAND METROPARKS Plant Committee
Project Label PCAP

Project name: OB3013 **Plot no.:** 1387

Page 2 of 2

Total modules: 10 Intensive modules: 4 Plot configuration: 2x5

Plot area (ha): 0.1

21

Plot configuration: 2x5

Plot area (ha): 0.1

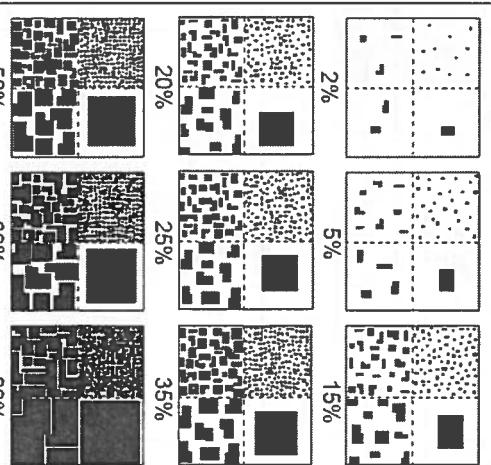


Cleveland
Metroparks

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

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, each quadrant contains the same total area covered, just different species objects.



Nested Corners

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.

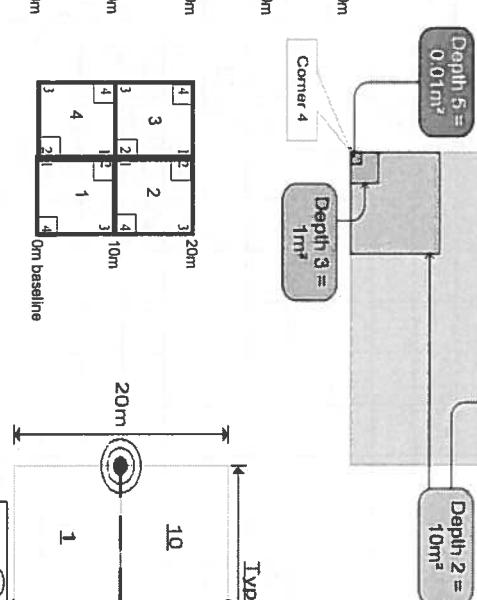
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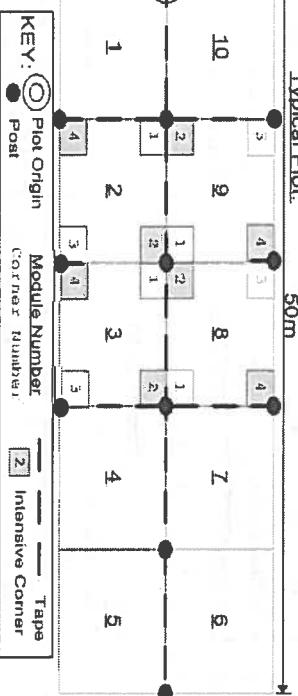
MEDIUM HIGH values include evidence of a browse line and 25 percent of stems browsed with very little vegetation regeneration evident. In this rating, for some species of plants, reproduction does not appear to occur or it is very severely limited.

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.



Typical Plot:



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a

Project Label:
PCAF

Project name: DIBE2012

Plot no.: 1287

Page 3 of 3

Total modules:

Intensive modules: _____ Plot configuration: _____

Plot area (ha)



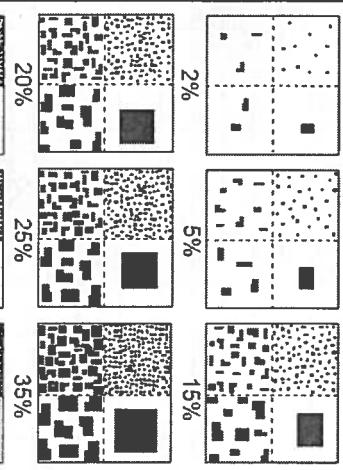
Cleveland
Metroparks

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

1

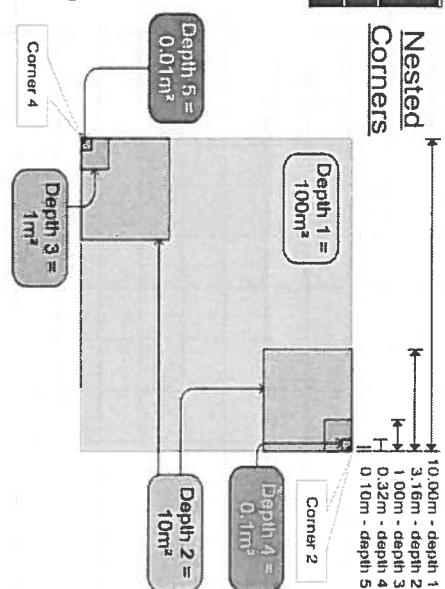
EXAMPLES OF PERCENT OF AREA COVERED

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



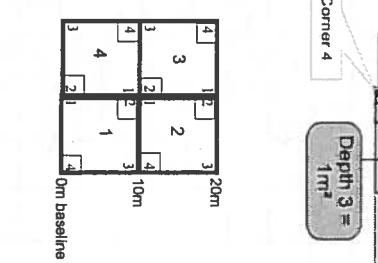
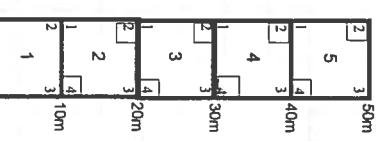
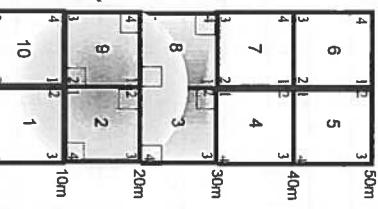
cover class	% cover	midpoint
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3	1-2%	0.015
4	2-5%	0.035
5	5-10%	0.075
6	10-25%	0.175
7	25-50%	0.375
8	50-75%	0.625
9	75-95%	0.850
10	95-100%	0.975

Nested Corners

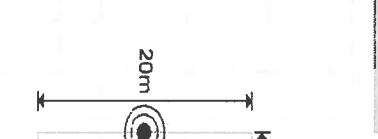


MEDIUM HIGH values include evidence of a browse line and 25 percent of stems browsed with very little vegetation regeneration evident. In this rating, for some species of plants, reproduction does not appear to occur or it is very severely limited.

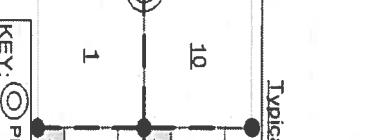
HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module **AND** a browse line is evident. **VERY HIGH** values include extensive browse conditions, where the browse line is very evident **AND** almost all seedlings and herbs are severely browsed or missing. Browse line may be 5 to 6 feet in height with no or little green growth beneath.



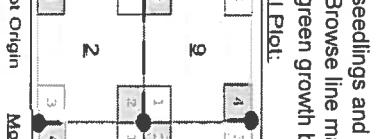
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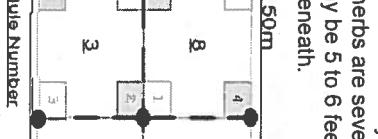
0m baseline



0m baseline



0m baseline



0m baseline



0m baseline



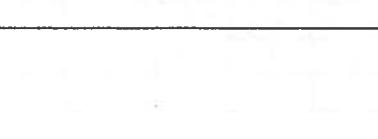
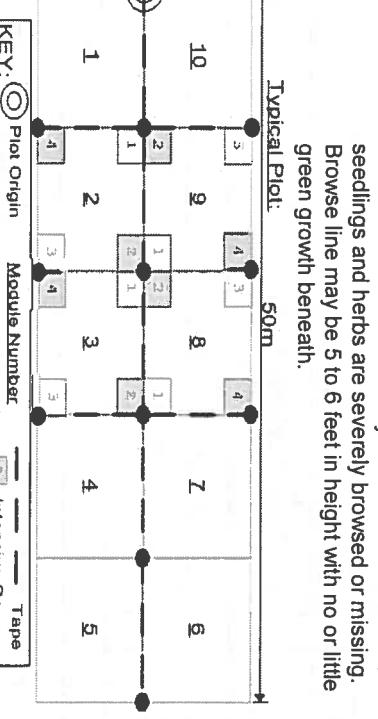
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0m baseline



0m baseline

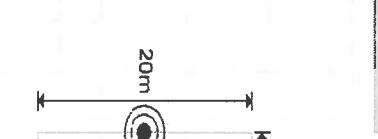


0m baseline

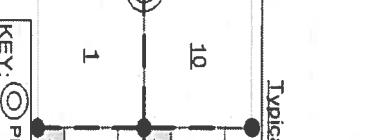


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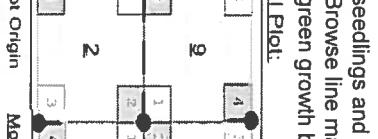
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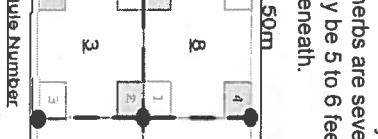
0m baseline



0m baseline



0m baseline



0m baseline



0m baseline



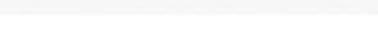
0m baseline



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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: OlBe2012

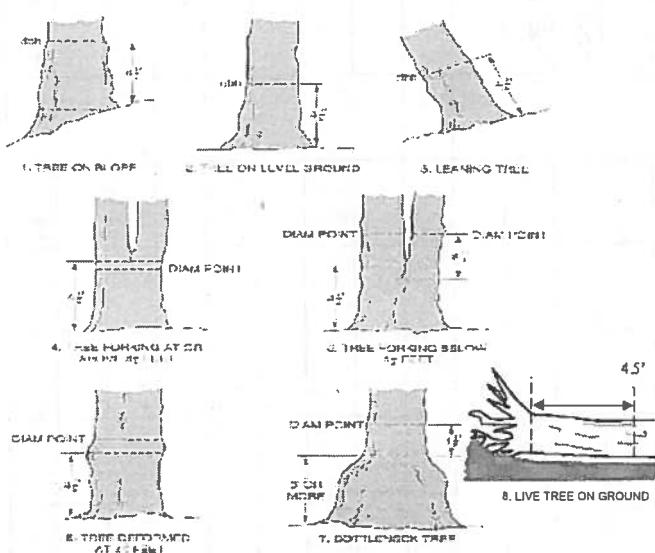
Plot No.: 1287 Page: 1 of 6



Explain subsample (additional room on back).

mod #	species	c	voucher#	# stems 0-1.4m browsed	% sub sample	# shrub clumps	size class (cm) woody stems >1.4m	1	2	3	4	5	6	7	8	9	10	>40 (record each tree)
				0-<1	1-<2.5	2.5-<5	5-<10	10 -<15	15 -<20	20 -<25	25 -<30	30 -<35	35 -<40					
1	Acer saccharum																	
1	Prunus serotina																	
1	Cataegus sp.																	
1	Kindbergia benzoin																	
1	Ulmus rubra																	
1	Parthenocissus quinquefolia																	
1	Fraxinus sp.																	
1	Sassafras albidum			■■														
1	Rosa multiflora			::														
1	Berberis thunbergii			..														
1	Konicea mackii			.														
1	Rubus occidentalis																	
2	Prunus serotina																	
2	Standing dead																	
2	Rosa multiflora			■■			■■											
2	Partenocissus quinquefolia																	
2	Fraxinus sp.			::														
2	Lonicera maackii													
2	Rubus allegheniensis													
2	Sassiffras albidum			■■														
2	Berberis thunbergii													
3	Prunus serotina																	
3	Parthenocissus quinquefolia																	
3	Standing dead																	

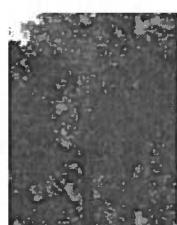
DBH Measurement Rules



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



1



2



3



4



5

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)

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: DBE2012

Plot No.: 1287

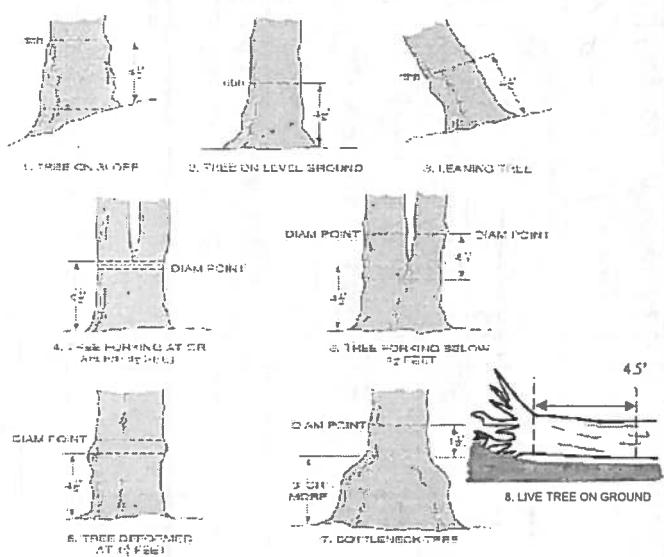
Page: 2 of 6

 Cleveland Metroparks

Explain subsample (additional room on back):

mod #	species	c voucher#	# stems 0-1.4m browsed	% sub or super sample	# shrub clumps	size class (cm) woody stems >1.4m									
						1	2	3	4	5	6	7	8	9	10
3	<i>Ilex nigrum</i>														
3	<i>Acer rubrum</i>														
3	<i>Rosa multiflora</i>		•												
3	<i>Rubus allegheniensis</i>	T:	•	•											
3	<i>Sassafras albidum</i>		•												
3	<i>Rubus pensylvanica</i>		•	•											
3	<i>Lonicera maackii</i>		•	•											
3	<i>Fraxinus sp.</i>		•	•											
4	<i>Pinus strobus</i>														
4	<i>Fagus grandifolia</i>														
4	<i>Prunus pensylvanica</i>														
*	<i>Berberis thunbergii</i>														
4	Standing dead					•									
4	<i>Ulmus americana</i>														
4	<i>Vitis sp.</i>		•												
4	<i>Parthenocissus quinquefolia</i>														
4	<i>Lonicera maackii</i>														
4	<i>Rosa multiflora</i>		•	•											
4	<i>Berberis thunbergii</i>		•	•											
4	<i>Sassafras albidum</i>		•	•											
4	<i>Fraxinus sp.</i>		•	•											
4	<i>Ribes sp.</i>	ZSBIA	•												
4	<i>Rubus allegheniensis</i>		•	•											

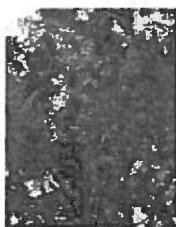
DBH Measurement Rules



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



1



2



3



4



5

ASH CANOPY CONDITION

- 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.
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A

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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)

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: DLBe.2D12

Plot No.: 12-87

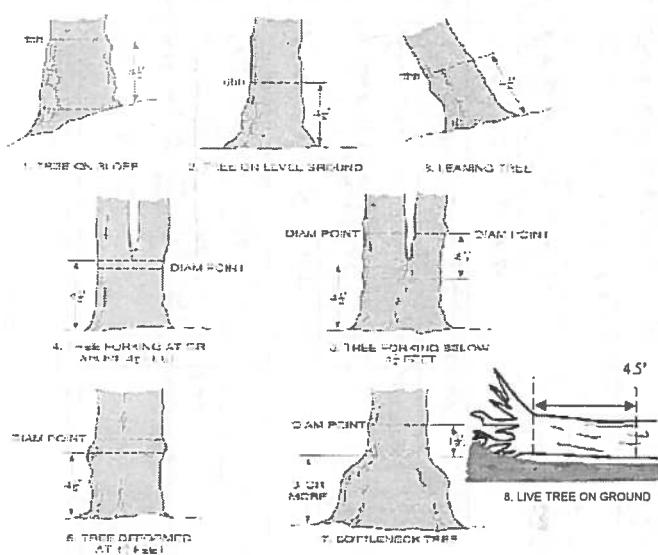
Page: 3 of 6

 Cleveland Metroparks

Explain subsample (additional room on back):

mod #	SPEC 11-6-12 Viburnum Unknown	c species	voucher# C4-0218	# stems 0-1.4m browsed	% sub sample	# shrub clumps	size class (cm) woody stems > 1.4m										
							1	2	3	4	5	6	7	8	9	10	11
✓4	Unknown						•										
✓5	Standing dead							•									
✓5	Prunus serotina								•								
✓5	Parthenocissus quinquefolia									•							
✓5	Kiniodendron tulipifera										•						
✓5	Sassafras albidum											•					
✓5	Worms rubra												•				
✓5	Fraxinus sp.						•										
✓5	Rosa multiflora							•									
✓5	Ribes sp.								•								
✓5	Rubus allegheniensis									•							
✓5	Rubus occidentalis										•						
✓5	Kiniodendron tulipifera											•					
✓5	Berberis thunbergii												•				
✓6	Parthenocissus quinquefolia																56.9
✓6	Sassafras albidum																
✓6	Acer saccharum																
✓6	Acer rubrum																
✓6	Fraxinus sp.																
✓6	Vitis sp.																
✓6	Rubus occidentalis																
*6	Erythrina variegata																
✓6	Crataegus sp.																
✓6	Berberis thunbergii																

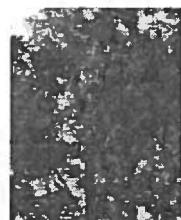
DBH Measurement Rules



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



1



2



3



4



5

ASH CANOPY CONDITION

- 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.
- 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.
- >50% Dieback:** The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
- Dead canopy:** No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



A

B

C

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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.

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: 01B eR 2012

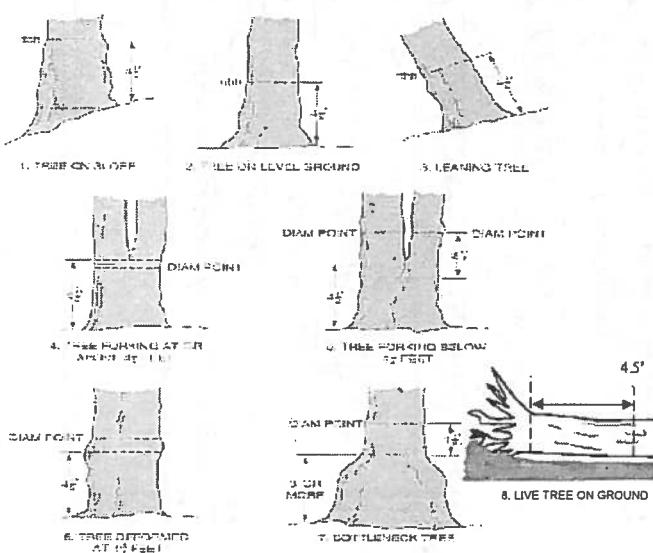
Plot No.: 1287

Page: 4 of 16
Cleveland Metroparks

Explain subsample (additional room on back):

mod #	species	c voucher#	# stems 0-1.4m browsed	% sub sample	# shrub clumps	size class (cm) 0-<1	woody stems >1.4m										35 - <40 (record each tree)
							1	2	3	4	5	6	7	8	9	10	
✓ 6	<i>Rubus allegheniensis</i>		“	“	“	“											
✓ 6	<i>Cornus sp.</i>		“	“	“	“											
✓ 7	<i>Prunus serotina</i>																
✓ 7	<i>Rubus allegheniensis</i>		“	“	“	“											
✓ 7	<i>Acer rubrum</i>																
✓ 7	<i>Parthenocissus quinquefolia</i>		“	“	“	“											
✓ 7	<i>Rosa multiflora</i>		“	“	“	“											
✓ 7	<i>Fraxinus sp.</i>		“	“	“	“											
✓ 7	<i>Cornus florida</i>		“	“	“	“											
✓ 7	<i>Sassafras albidum</i>		“	“	“	“											
✓ 7	<i>Berberis thunbergii</i>		“	“	“	“											
✓ 7	<i>Comus sp.</i>		“	“	“	“											
✓ 7	<i>Konicekia mackii</i>		“	“	“	“											
✓ 7	<i>Rubus pensylvanica</i>																
✓ 7	<i>Iris sp.</i>		“	“	“	“											
✓ 7	<i>Kiniodendron tulipifera</i>		“	“	“	“											
✓ 7	<i>Ulmus sp.</i>		“	“	“	“											
✓ 8	<i>Quercus sp. revoluta</i>		“	“	“	“											103.6
✓ 8	<i>Parthenocissus quinquefolia</i>		“	“	“	“											
✓ 8	<i>Prunus serotina</i>																
✓ 8	<i>Konicekia mackii</i>		“	“	“	“											
✓ 8	<i>Acer rubrum</i>																
✓ 8	<i>Sassafras albidum</i>		“	“	“	“											
✓ 8	<i>Rosa multiflora</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



1



2



3



4



5

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.

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: OIBR-202

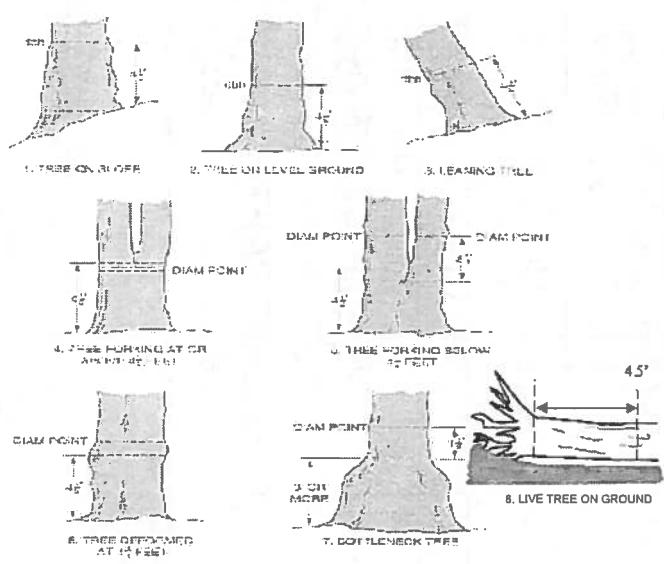
Plot No.: 1287

Page: 5 of 6

Explain subsample (additional room on back):

mod #	species	c voucher#	# stems 0-1.4m browsed	% sub sample	# shrub clumps	size class (cm) woody stems >1.4m 0-<1	size class (cm) woody stems >1.4m										>40 (record each tree)
							1	2	3	4	5	6	7	8	9	10	
-8	<i>Berberis thunbergii</i>			•	•	•											
-8	<i>Rubus allegheniensis</i>	•		•	•	•											
-8	<i>Rubus pensylvanica</i>	•		•	•	•											
-8	<i>Ostrya virginiana</i>																
-8	<i>Vitis sp.</i>																
-8	Standing dead																
-8	<i>Rubus occidentalis</i>			•	•	•											
-8	<i>Fraxinus sp.</i>			•	•	•											
-8	<i>Ribes sp.</i>			•	•	•											
-9	<i>Kriodendron tulipifera</i>			•	•	•											
-9	<i>Parthenocissus quinquefolia</i>			•	•	•											
-9	<i>Prunus serotina</i>			•	•	•											
-9	<i>Fraxinus sp.</i>			•	•	•											
-9	<i>Ulmus rubra</i>			•	•	•											
-9	<i>Vitis sp.</i>			•	•	•											
-9	<i>Ribes sp.</i>	C		•	•	•											
-9	<i>Crataegus sp.</i>			•	•	•											
-9	<i>Sassafras albidum</i>	☒		•	•	•											
-9	<i>Acer rubrum</i>			•	•	•											
-9	Standing dead			•	•	•											
-9	<i>Rosa multiflora</i>		4	•	•	•											
-9	<i>Lonicera mackii</i>			•	•	•											
-9	<i>Konjac japonica</i>			•	•	•											
-9	<i>Berberis thunbergii</i>		X	•	•	•											
-9	<i>Rubus occidentalis</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



1



2



3



4



5

ASH CANOPY CONDITION

- 1. Healthy, full canopy:** A healthy ash canopy is normally thinner than many other trees such as maple.
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A

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ASH CANOPY BREAKUP CONDITION (for dead trees):

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

- All main branches contain fine twigs (newly dead).
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- Less than 50% of main branches have fine twigs.
- Stem still standing and tertiary main branches present.
- Central stem still standing.

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: OIBER2012

Page: 6 of

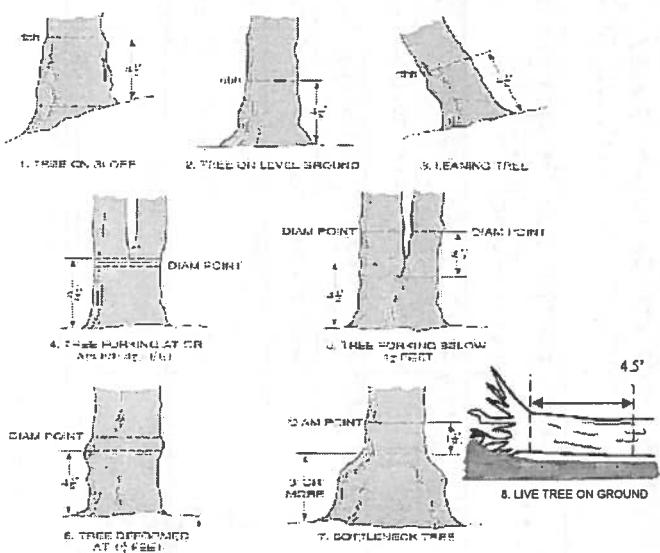
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Explain subsample (additional room on back);

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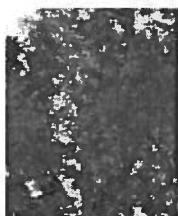
DBH Measurement Rules



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



1



2



3



4



5

ASH CANOPY CONDITION

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A

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- E: Central stem still standing.

CLEVELAND METROPARKS Emerald Ash Borer - *Fraxinus* Sheet

Project Label: PCAP

Project Name: OJBe 2012

INTENSIVE MODULES ONLY TREES $\geq 10\text{cm}$ ONLY
Plot No.: 1287 Date: 8/2/12Page: 1 of 2
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Module ID	Tree ID	Species	Dead c.	Voucher #	DBH (cm)	HT @ DBH condition	ASH Only		
							Dead holes	# Exit holes present	Epicormic Woodpecker holes
9	1	<i>Fraxinus sp.</i>			22.7	S	D	0	1
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

(1)

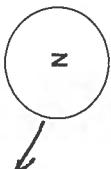
9

8

(2)

2

3



*** Change intensive module numbers when necessary

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 $>2.5\text{mm} \times \geq 1.5\text{m}$
- Woodpecker and epicormic marked present (1) or absent (0)

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey

CLEVELAND METROPARKS Cleveland Metroparks

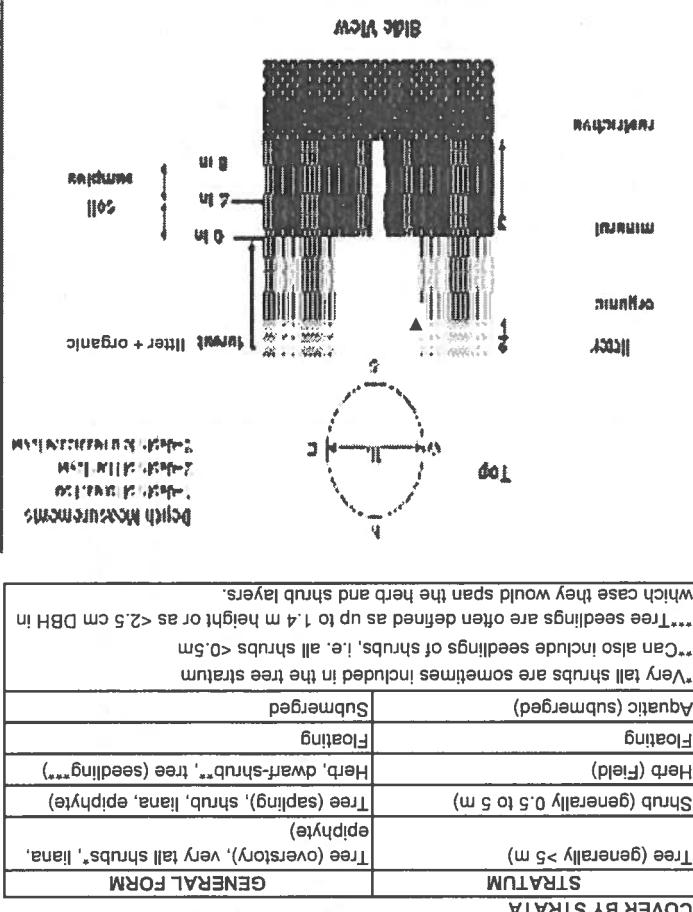
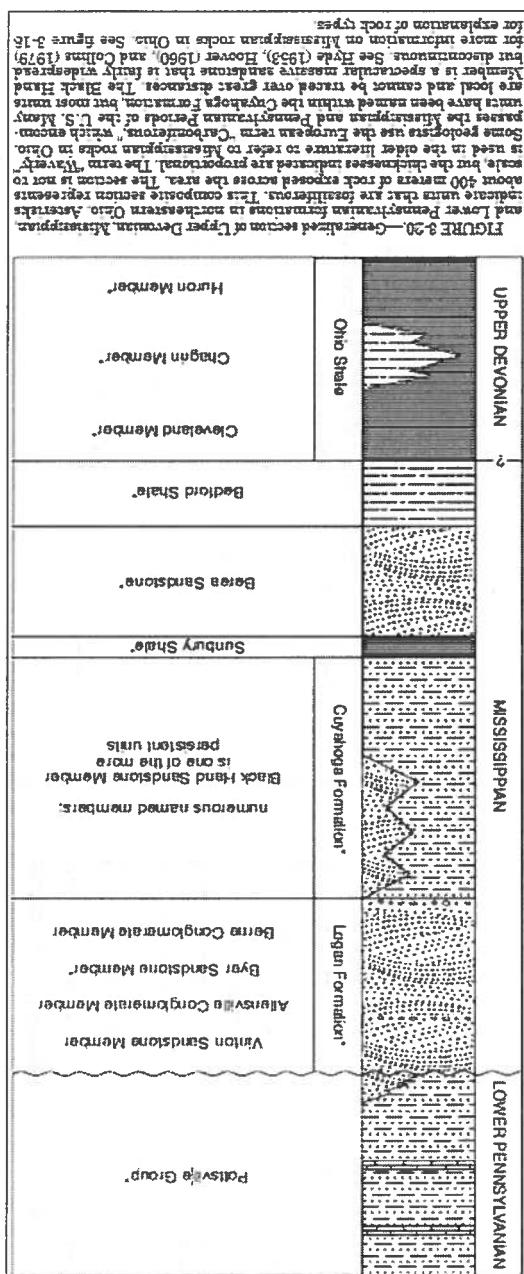
# of Plants	Tier 1: Early detection/ Rapid response	Presence	GPS	Comments
1: 1-10	Acer Platanoides	Norway Maple	NE SE SW NW	# of Plants
2: 11-50.	Alnus altilissima	Treec of Heaven	• 2 2	
3: 51-100	Lonicera japonica	(Vine) Japanese Honeysuckle	• 2 2	
4: 101-1,000	Lytium salicaria	(Wetland) Purple Loosestrife	• 2 2	
5: > 1,000	Aegopodium podagraria	(G-cover) Bishop's Goutweed	• 2 2	
	Trollis sp.	Hedgeparsley	• 2 • 2 • 2	
	Celastrus orbiculatus	(Vine) Asian Bittersweet	• 2 2	
	Conium maculatum	Poison Hemlock	• 2 2	
	Rhamnus cathartica	Common Buckthorn (shrub)	• 2 3 3	
	Berberis thunbergii	Japanese Barberry (shrub)	• 2 3 3	
	Alnus glutinosa	European Alder	• 2 3	
	Dipsacus laciniatus	Cut-leaf Teasel	• 2 2	
	Elaeagnus umbellata	Autumn Olive	• 2 2	
	Lonicera maackii	Amur Honeysuckle (shrub)	• 2 2 2	
	Euonymus fortunei	Wintercreeper	• 2 2	
	Polygonia corynifolia	Mock Orange (shrub)	• 2 2	
	Pulmonaria officinalis	Lungwort	• 2 2	
	Rubus phoenicolasius	Wineberry	• 2 2	
	Iris pseudacorus	Yellow Flag Iris	• 2 2	
	Osmunda cinnamomea	Star of Bethlehem	• 2 2	
	Viburnum opulus var. opulus	European Cranberry (shrub)	• 2 2	
	Viburnum plicatum	Doublefile Viburnum (shrub)	• 2 2	
	Phragmites australis	Reed Canarygrass	• 2 2	
	Fragaria ananassa	Glossy Buckthorn (shrub)	• 2 2	
	Rosa multiflora	Multiflora Rose (shrub)	• 2 2	
	Typha angustifolia	Cattails (wetland)	• 2 2	
	Cirsium arvense	Canada Thistle	• 2 2	
	Dipsacus fullonum	Common Teasel	• 2 2	
	Humulus lupulus	Japanese Knotweed	• 2 2	
	Phragmites australis	Phragmites (wetland)	• 2 2	
	Alliaria petiolata	Garlic Mustard	• 2 2	
	Ligustrum vulgare	Common Privet (shrub)	• 2 2	
2: 11-50.	L. morrowii, L. tatarica	Bush honeysuckles (shrub)	• 1 1	
3: 51-100	L. morrowii, L. tatarica	Common Privet (shrub)	• 1 1	
4: 101-1,000	Phalaris arundinacea	Reed Canarygrass	• 1 1	
5: > 1,000	Vinca minor (G-cover)	Periwinkle	• 1 1	

# of Plants	Tier 2: Assess as Needed	# of Plants	Comments
	Microstegium vimineum	Japanese Stiltgrass	NE SE SW NW
	Ranunculus ficaria	Lesser Celandine	NE SE SW NW
	Cyanochum lousiaeae	Black Swamp-wort	NE SE SW NW
	Bu托mus umbellatus	Flowering Rush	NE SE SW NW
	Herculum mantegazzianum	Giant Hogweed	NE SE SW NW
	Tier 3: Presence is of Interest	# of Plants	Comments
	Convallaria majalis (G-cover)	Lily of the Valley	NE SE SW NW
	Cornus alternifolia	Crown Vetch	NE SE SW NW
2: 11-50.	Eleutherococcus pentaphylloides	Five-leaf Aralia (shrub)	NE SE SW NW
3: 51-100	Pachysandra terminalis	Japanese Pachysandra	NE SE SW NW
4: 101-1,000	Pholidoptera coronata	Mock Orange (shrub)	NE SE SW NW
5: > 1,000	Pulmonaria officinalis	Lungwort	NE SE SW NW
	Rubus phoenicolasius	Wineberry	NE SE SW NW
	Iris pseudacorus (wetland)	Yellow Flag Iris	NE SE SW NW
	Osmunda cinnamomea	Star of Bethlehem	NE SE SW NW
	Viburnum opulus var. opulus	European Cranberry (shrub)	NE SE SW NW
	Viburnum plicatum	Doublefile Viburnum (shrub)	NE SE SW NW
	Phragmites australis (wetland)	Reed Canarygrass	NE SE SW NW
	Phalaris arundinacea	Reed Canarygrass	NE SE SW NW
	Vinca minor (G-cover)	Periwinkle	NE SE SW NW
	Tier 4: Widely spread and abundant	Presence	Comments
	Alliaria petiolata	Garlic Mustard	NE SE SW NW
	Ligustrum vulgare	Common Privet	NE SE SW NW
1: 1-10	L. morrowii, L. tatarica	Bush honeysuckles (shrub)	NE SE SW NW
2: 11-50.	Phragmites australis (wetland)	Reed Canarygrass	NE SE SW NW
3: 51-100	Phalaris arundinacea	Reed Canarygrass	NE SE SW NW
4: 101-1,000	Vinca minor (G-cover)	Periwinkle	NE SE SW NW
5: > 1,000			

4BCM PCAP invasive species database.xls last revised 6/11/2012 ceh

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

Natural Resources



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

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

Soil Collection Module		Horizon (A, B, C)
matrix color	10YR 3/2	
mottle color	NA	
%mottle	NA	
oxid roots	Y	()
texture*	1	()
redox features**	Y	()
hydr. cond.***	I S M D	()
matrix color	10YR 3/4	
mottle color	NA	
%mottle	NA	
oxid roots	Y	()
texture*	1	()
redox features**	Y	()
hydr. cond.***	I S M D	()

EARTH SURFACE & GROUND COVER	
Underlying Earth Surface*	Ground Cover

TRAIL INFORMATION:	
record type and cover for each	

6 cm	matrix color	10YR 3/2
mottle color	NA	
%mottle	NA	
oxid roots	Y	()
texture*	1	()
redox features**	Y	()
hydr. cond.***	I S M D	()
20 cm	matrix color	10YR 3/4
mottle color	NA	
%mottle	NA	
oxid roots	Y	()
texture*	1	()
redox features**	Y	()
hydr. cond.***	I S M D	()

Soil Series/Type:	
Soil Series Source:	Ohio Soil Survey
Landform Type:	Hillsides
Depth to rest Layer:	20-40"
Parent Material:	Residuum weathered sandstone
DRAINAGE*	Well drained
Excessively dr.	<input type="checkbox"/> Somewhat excessively
Well drained	<input type="checkbox"/> Moderately well dr.
Somewhat poorly dr.	<input type="checkbox"/> Very poorly dr.
Impenetrable surface	

Underlying Earth Surface*	
(Sum = 100%)	percent
Histosol	0
Mineral Soil	96
Gravel-Cobble*	4
Boulder**	0
Bedrock	0
* Gravel-Cobble = 1/16-1/16"	Water
**Boulder = > 10 in	Bare Soil
***>5 cm in diameter	Road/Trail
****<5 cm in diameter	Other
Deer	

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

Strata	Height Range (m)	Total Cover (%)
Tree	3 - ∞	7.3
Shrub	.5 - 5	2.8
Herb	.5 - .5	9.8

STAND SIZE	
<input type="checkbox"/>	>600 x plot size
<input type="checkbox"/>	> 100 x plot size
<input type="checkbox"/>	10-100 x plot size
<input type="checkbox"/>	3-10 x plot size
<input type="checkbox"/>	1-3 x plot size
<input type="checkbox"/>	< plot size

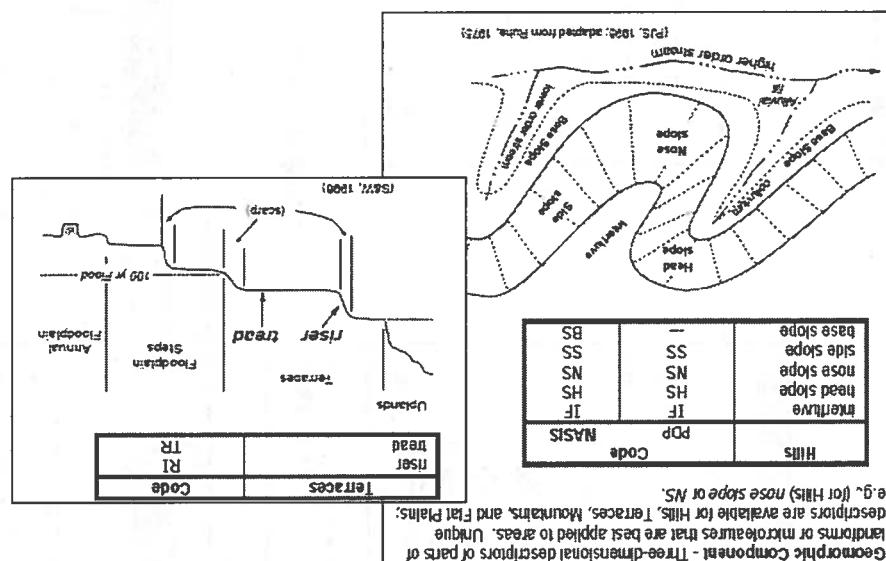
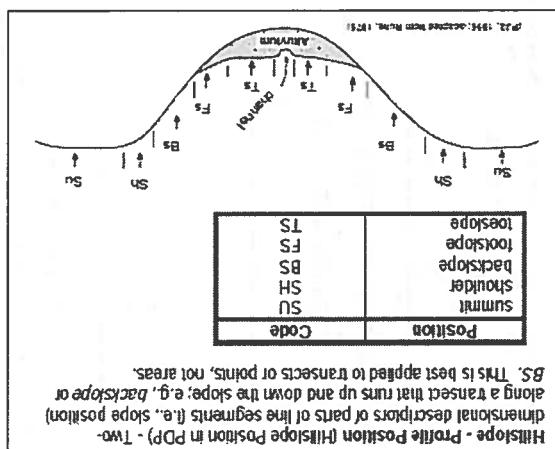
④ Castings

method	organic depth (cm)	depth (cm)	water depth (cm)	depth sat soil (cm)
2	2.0	0.5	0	>30
3	0.3	0	0	>30
8	3.4	0.4	0	>30
9	4.5	0.3	0	>30

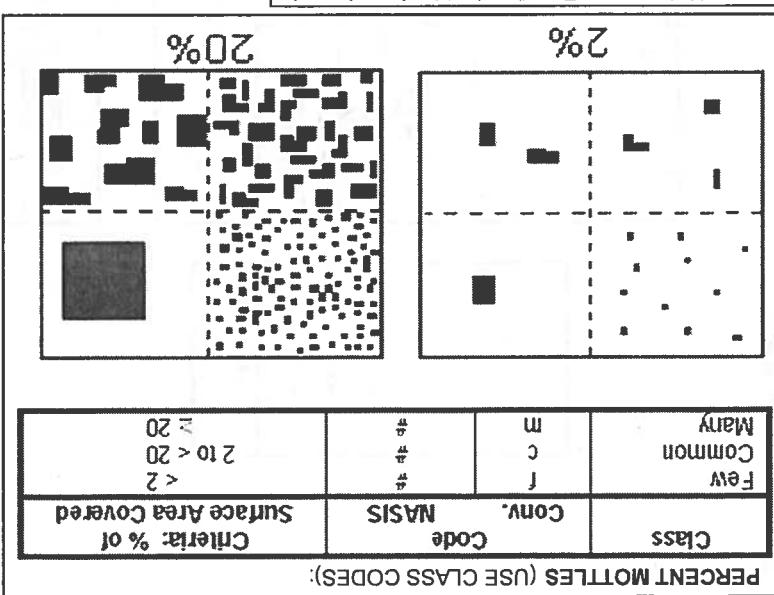
- *rooted and floating or slightly emersed
- **submersed, most plant mass below surface

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

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 Semipermanently Flooded models.
INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable flooding. Often characterizes floodplain levees and lower terraces. Equivalent to Cowardin's Temporal.
TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil surface. Characterizes floodplain upper terraces.
OCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often saturated to surface for extended periods during the growing season. Equivalent to Cowardin's Saturated.
PERMANENTLY/SEMI-PERMANENTLY SATURATED: Dry less than once per year. Surface water is seldom present, but substrate is saturated to saturated periods during the growing season.
INTERMITTENTLY/SEASONALLY SATURATED: Dry at least once per year. Surface water is seldom present, but substrate is saturated to saturated periods during the growing season.
UPLAND: Not a wetland. Very rarely flooded.
HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)



SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper, the sample should be wet enough that all of the particles are saturated but excess water does not freely flow from the sample when squeezed. Attempt to roll the sample into a ball. If the soil will not stay in a ball and has a grainy texture, the texture is either sandy or coarse sandy. If the soil does form a ball, squeeze the sample between your fingers both a ball and a ribbon should be coded as clayey; samples which form a ball and a ribbon should be coded as clayey. Samples which form a ball but not a ribbon should be coded as loamy. Samples which form a ball but not a ribbon should be coded as loamy.	
PERCENT MOTTLES (USE CLASS CODES):	
Class	
Common	Conv. NASIS
Mary	Code
L	C
M	M
C	C
+	+
+	+
< 2	< 2
2 to > 20	2 to > 20
M	M
+	+
+	+
≥ 20	≥ 20



FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (Initial): _____

Site ID: PCAPBe1287

DATE: 0.8 / 0.3 / 2.0.1.2

Location:

AA Center ON OS OE OW

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 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 checked="" 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 checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" 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 checked="" 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 checked="" type="radio"/> 4		
Small Trees (<0.3m DBH)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input checked="" 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 checked="" 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 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 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 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 checked="" type="radio"/> 4		
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="radio"/> 4		
Bare ground	<input checked="" 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 checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Bare ground	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		
Litter, duff	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Litter, duff	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Litter, duff	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		
Rock	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Rock	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Rock	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		
Water	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Water	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Water	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		
Submerged Vegetation	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Submerged Vegetation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Submerged Vegetation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" 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 checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Ditches, Channelization	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Pasture/Hay	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Road - two lane	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Range	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Road - four lane	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Water Level Control Structure	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Row Crops	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Parking Lot/Pavement	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Excavation, Dredging	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Golf Course	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Fill/Spoil Banks	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Lawn/Park	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Nursery	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Suburban Residential	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Soil Loss/Root Exposure	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Dairy	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Urban/Multifamily	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Wall/Riprap	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Orchard	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Landfill	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Inlets, Outlets	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Confined Animal Feeding	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Dumping	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Rural Residential	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Trash	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Impervious surface input (SHEETFLOW)	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Gravel Pit	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Irrigation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3			

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

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)

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

Site ID: PCAB287 Date: 08/03/2012

1

Plot Coordinates									
Plot	1	2	3	Flag	F1II 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"/>	<input type="checkbox"/>	Johnson Grass
Water hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Kudzu
Yellow Floating Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Multiflora Rose
Giant Salvinia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Perennial Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Common Buckthorn
Garlic Mustard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Himalayan Blackberry
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
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:
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"/>	Leary Spurge
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other:				<input type="checkbox"/>	<input type="checkbox"/>

Fill double n present - Pilot 1 2 3 Frag Fill double n present - Pilot 1 2 3 Frag Fill double n present - Pilot 1 2 3 Frag

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

ANSWER

Site ID: PRAIRIE287 Date: 08/03/2012

(ЧАСТЬ) ОБОЗНАЧЕНИЯ И СВЯДЕНИЯ ОБРАЩАЮЩИЕСЯ К ПРИМЕРУ

FORM B-1: BUHEER SAMPLE PLOTS - TARGETED ALIEN SPECIES (BACK)

Digitized by srujanika@gmail.com

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (Initial): _____

Site ID: PCAPB01281

DATE: 08/03/2012

Location:

O AA Center N 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 type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 2	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 3	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>
	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Flag			Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Flag			Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Flag	
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		<input type="radio"/>	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		<input type="radio"/>	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		<input type="radio"/>
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"/>	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"/>	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"/>
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		<input type="radio"/>	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		<input type="radio"/>	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		<input type="radio"/>
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"/>	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"/>	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"/>
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"/>	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"/>	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"/>
Bare ground	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Bare ground	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Bare ground	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
Litter, duff	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Litter, duff	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Litter, duff	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>
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"/>	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"/>	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"/>
Water	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Water	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	Water	<input type="radio"/> 0 <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"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		<input type="radio"/>	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"/>	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"/>

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 checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Impervious surface input (SHEETFLOW)	<input checked="" 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 checked="" type="radio"/>	<input checked="" 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

1 Quail Lake E 28 Plat ~ 10 m

Flag Comments

Use Decimal Degrees; NAD83

Latitude North 41.37547 Longitude West -81.56553

AA CENTER	<input checked="" type="radio"/>	N3	<input type="radio"/>	S3	<input type="radio"/>	E3	<input type="radio"/>	W3	<input type="radio"/>	Nearst practicable location (flag and comment below)
-----------	----------------------------------	----	-----------------------	----	-----------------------	----	-----------------------	----	-----------------------	--

Flag

Location of coordinates (choose one):

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 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

										Other:						
Canada Thistle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Leafy Spurge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Birdsfoot Trefoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Common Reed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Mile-A-Minute Weed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Reed Canary Grass	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Poison Hemlock	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cheatgrass	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Garlic Mustard	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Giant Reed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Giant Salvinia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Perennial Pepperweed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Yellow Flowering Heart	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Japanese Knotweed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Water Hyacinth	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Kudzu	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Eurasian Watermilfoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Purple Loosestrife	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
	1	2	3	Flag	Fill bubble if present -	Pilot	1	2	3	Flag	Fill bubble if present -	Pilot	1	2	3	Flag

④ Confirm a filled bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

Site ID: PLATBEE 1287 DATE: 08/03/2012

Reviewed by (initials):

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

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (Initial): _____

Site ID: PCAPBe-1287

DATE: 0.8/0.3/2012

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"/> OS <input type="radio"/> E <input type="radio"/> OW	<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	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"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Big Trees (>0.3m DBH)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="radio"/> 4		
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input 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 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="radio"/> 4		
Herbs, Forbs and Grasses	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input checked="" 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 checked="" 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 checked="" type="radio"/> 4		
Bare ground	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			Bare ground	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Bare ground	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		
Litter, duff	<input type="radio"/> 0 <input checked="" 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 checked="" type="radio"/> 4			Litter, duff	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" 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			Rock	<input type="radio"/> 0 <input checked="" 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		
Water	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			Water	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			Water	<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			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"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Ditches, Channelization	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Pasture/Hay	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Road - two lane	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Range	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Road - four lane	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Water Level Control Structure	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Row Crops	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Parking Lot/Pavement	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Excavation, Dredging	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Golf Course	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Fill/Spoil Banks	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Lawn/Park	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Nursery	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Suburban Residential	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Soil Loss/Root Exposure	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Dairy	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Urban/Multifamily	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Wall/Riprap	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Orchard	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Landfill	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Inlets, Outlets	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Confined Animal Feeding	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Dumping	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Rural Residential	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Trash	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Impervious surface input (SHEETFLOW)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Gravel Pit	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Irrigation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3				

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

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

Possible off-trail, it's a narrow dirt trail with cut log markers + lava

Flag	Comments
Latitude North 41.37449 Longitude West -81.56376 Use Decimal Degrees; NAD83	
AA CENTER <input type="radio"/> N3 <input type="radio"/> S3 <input checked="" type="radio"/> E3 <input type="radio"/> W3 <input type="radio"/> 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 centred on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" 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 centre of Plot 3 as possible or at the centre 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
(a) Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble														
Site ID: PCAPB1287 Date: 08/03/2012														
FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back) Reviewed by (initial): _____														

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (Initial): _____

Site ID: PCAPBe 1287

DATE: 0.8 / 0.3 / 20.1.2

Location: O AA Center O N O S O E O W	Fill in bubble(s) if plot(s) could not be sampled and flag →
	O Plot 1 O Plot 2 O Plot 3

Buffer Natural Cover Strata

Fill in bubbles for all that apply: Canopy Type: D = Deciduous; E = Evergreen. Leaf Type: B = Broadleaf, N = Needle Leaf. Absent: No tree canopy.

Strata Section: Fill in appropriate cover class bubble for each strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2 = Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%)

Buffer Plot 1	Canopy Type: D		Absent:		Buffer Plot 2	Canopy Type: E		Absent:		Buffer Plot 3	Canopy Type: B		Absent:				
	Leaf Type: B	N	Flag	Leaf Type: B	N	Leaf Type: B	N	Flag	Leaf Type: B		N	Flag					
Big Trees (>0.3m DBH)	0	1	2	3	4	Big Trees (>0.3m DBH)	0	1	2	3	4	Big Trees (>0.3m DBH)	0	1	2	3	4
Small Trees (<0.3m DBH)	0	1	2	3	4	Small Trees (<0.3m DBH)	0	1	2	3	4	Small Trees (<0.3m DBH)	0	1	2	3	4
Woody Shrubs, Saplings (0.5m-5m HIGH)	0	1	2	3	4	Woody Shrubs, Saplings (0.5m-5m HIGH)	0	1	2	3	4	Woody Shrubs, Saplings (0.5m-5m HIGH)	0	1	2	3	4
Woody Shrubs, Saplings (<0.5m HIGH)	0	1	2	3	4	Woody Shrubs, Saplings (<0.5m HIGH)	0	1	2	3	4	Woody Shrubs, Saplings (<0.5m HIGH)	0	1	2	3	4
Herbs, Forbs and Grasses	0	1	2	3	4	Herbs, Forbs and Grasses	0	1	2	3	4	Herbs, Forbs and Grasses	0	1	2	3	4
Bare ground	0	1	2	3	4	Bare ground	0	1	2	3	4	Bare ground	0	1	2	3	4
Litter, duff	0	1	2	3	4	Litter, duff	0	1	2	3	4	Litter, duff	0	1	2	3	4
Rock	0	1	2	3	4	Rock	0	1	2	3	4	Rock	0	1	2	3	4
Water	0	1	2	3	4	Water	0	1	2	3	4	Water	0	1	2	3	4
Submerged Vegetation	0	1	2	3	4	Submerged Vegetation	0	1	2	3	4	Submerged Vegetation	0	1	2	3	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	○	○	○		Ditches, Channelization	○	○	○		Pasture/Hay	○	○	○		
Road - two lane	✗	○	○	3	Dike/Dam/Road/RR Bed (IMPEDE FLOW)	○	○	○		Range	○	○	○		
Road - four lane	○	○	○		Water Level Control Structure	○	○	○		Row Crops	○	○	○		
Parking Lot/Pavement	○	○	○		Excavation, Dredging	○	○	○		Fallow Field (RECENT-RESTING ROW CROP FIELD)	○	○	○		
Golf Course	○	○	○		Fill/Spoil Banks	○	○	○		Fallow Field (OLD - GRASS, SHRUBS, TREES)	○	○	○		
Lawn/Park	○	○	○		Freshly Deposited Sediment (UNVEGETATED)	○	○	○		Nursery	○	○	○		
Suburban Residential	○	○	○		Soil Loss/Root Exposure	○	○	○		Dairy	○	○	○		
Urban/Multifamily	○	○	○		Wall/Riprap	○	○	○		Orchard	○	○	○		
Landfill	○	○	○		Inlets, Outlets	○	○	○		Confined Animal Feeding	○	○	○		
Dumping	●	○	○	2	Point Source/Pipe (EFFLUENT OR STORMWATER)	○	○	○		Rural Residential	○	○	○		
Trash	●	●	○		Impervious surface input (SHEETFLOW)	●	●	●	1	Gravel Pit	○	○	○		
Other: _____	○	○	○		Other: _____	○	○	○		Irrigation	○	○	○		
Other: _____	○	○	○		Other: _____	○	○	○		Other: _____	○	○	○		

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	○	○	○		Forest Clear Cut	○	○	○		Herbicide Use	○	○	○		
Gas Wells	○	○	○		Forest Selective Cut	○	○	○		Mowing/Shrub Cutting	●	●	○		
Mine (surface)	○	○	○		Tree Plantation	○	○	○		Trails	○	○	●	4	
Mine (underground)	○	○	○		Tree Canopy Herbivory (INSECT)	○	○	○		Soil Compaction (ANIMAL OR HUMAN)	○	○	○		
Military	○	○	○		Shrub Layer Browsed (WILD OR DOMESTIC)	●	○	●		Offroad vehicle damage	○	○	○		
Other: _____	○	○	○		Highly Grazed Grasses (OVERALL <3" HIGH)	○	○	○		Soil erosion (FROM WIND, WATER, OR OVERUSE)	○	○	○		
Other: _____	○	○	○		Recently Burned Forest Canopy	○	○	○		Other: _____	○	○	○		
Other: _____	○	○	○		Recently Burned Grassland (BLACKENED)	○	○	○		Other: _____	○	○	○		

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

7966623548

Flag	Comments
1	Overtopk lwn E of #157 ~ 10 m
2	Tire thrown from road into woods
3	Cue look ln.
4	APT runs along edge of plot following overtopk ln.

Use Decimal Degrees; NAD83

Latitude North 41.373144 Longitude West 81.56508

Flag	Location of coordinates (choose one):
○ AA CENTER	○ N3 ● S3 ○ W3 ○ Nearest practicable location (flag and comment below)

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 centred 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 to the centre of Plot 3 as possible or at the last accessible Buffer Plot.

Provide GPS coordinates at the center of the Buffer Plot (#3) at the 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

Flag	F11 bubble if present - Plot 1	F11 bubble if present - Plot 2	F11 bubble if present - Plot 3	Flag	F11 bubble if present - Plot 1	F11 bubble if present - Plot 2	F11 bubble if present - Plot 3	Flag
Eurasian Watermilfoil	○ ○ ○	Purple Loosestrife	○ ○ ○	Johnson Grass	○ ○ ○	Kudzu	○ ○ ○	Water Hyacinth
Yellow Floating Heart	○ ○ ○	Japanese Knotweed	○ ○ ○	Multiflora Rose	● ○ ○	Giant Reed	○ ○ ○	Giant Mustard
Giant Salvinia	○ ○ ○	Perennial Pepperweed	○ ○ ○	Common Buckthorn	○ ○ ○	Chenopodium	○ ○ ○	Poison Hemlock
Mile-A-Minute Weed	○ ○ ○	Reed Canary Grass	○ ○ ○	Tamarisk	○ ○ ○	Other	○ ○ ○	Birdsfoot Trefoil
Canada Thistle	○ ○ ○	Rabbit-ear Grass	○ ○ ○	Leaffy Spurge	○ ○ ○	Other	○ ○ ○	Birdsfoot Trefoil

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

Site ID: PCAPB1287 DATE: 08/03/2012

Revised by (initials): _____

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

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (Initial): _____

Site ID: PCAP Be 1287

DATE: 8/1/03/2012

Location:

AA Center N OS O 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 type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 2	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 3	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>
	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Flag	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N		Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Flag	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N		Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Flag	
Big Trees (>0.3m DBH)	<input type="radio"/>	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4						
Small Trees (<0.3m DBH)	<input type="radio"/>	<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"/>	<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"/>	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4						
Herbs, Forbs and Grasses	<input type="radio"/>	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4						
Bare ground	<input type="radio"/>	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4						
Litter, duff	<input type="radio"/>	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4						
Rock	<input type="radio"/>	<input checked="" 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							
Submerged Vegetation	<input checked="" 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 type="radio"/>	<input 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 checked="" type="radio"/>	<input type="radio"/>	1	
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 type="radio"/>	<input checked="" type="radio"/>	<input checked="" 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.

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

2428168304

7966623548

PLOT COORDINATES											
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 coordinates at the nearest practicable location for the Buffer 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): <input type="checkbox"/> AA CENTER <input type="checkbox"/> O3 <input type="checkbox"/> S3 <input checked="" type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (flag and comment below)											
Latitude North 41.37434 Longitude West -84.56691 Use Decimal Degrees; NAD83											
Flag <input type="checkbox"/>											
Comments <i>Bridle trail comes into play</i>											