

PCAP PLOT DATA QUALITY CONTROL

Project Label: PCAP

Plot No: 1122 Date Sampled: 6-15-2011 Lead: Eysenbach

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 information 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?	<input checked="" type="radio"/> Y <input type="radio"/> N	Double check
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	
Data sheet QA before leaving site?	<input checked="" type="radio"/> Y <input type="radio"/> N	
Data sheets scanned?	06/23/11	Enter date to left
Final data sheets scanned?		Enter date to left
Web Soil survey	<input checked="" type="radio"/> Y <input type="radio"/> N	
Voucher Location	Refrigerator	<input checked="" type="radio"/> Y <input type="radio"/> N
(# vouchers collected) SE 315-326	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 315, 316, 318, 319, 320, 323, 324
	Mounted	<input checked="" type="radio"/> Y <input type="radio"/> N
	Thrown away	<input checked="" type="radio"/> Y <input type="radio"/> N

Was there a wetland at the point?:

 Y N If NO, go to the next question If YES, stop

Was there a wetland within 60m of this point?

 Y N If NO, go to the next section If YES, stop

Buffer widths entered

Pick one of the next three options below:

- The soils ARE NOT hydric and the area at the point is
 - Developed with buildings, roads, pavement, fill
 - Farmed, turf
 - Other (specify)

- The soils ARE hydric and the area at the point is
 - Developed with buildings, roads, pavement, fill
 - Farmed, turf
 - Other (specify)

- No wetland determination can be made (explain below)

Additional Comments:

* Buffer widths measured and entered - SEM 6/17/10



CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

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Page 1 of 2

GENERAL INFORMATION			
Project Label:	PCAP		
Project Name:	○ 1 BCD 11		
Plot Name:	Victoria's Secret		
Plot No.:	1102		
Date (mm/dd/yyyy):	10 / 13 / 2011		
End date (if > 1 day):	10 / 15 / 2011		
Party	Role**		
S. Esenbach	Plot leader		
J. Lantzman	Bot Assst/Inv		
M. Broth	Vegetation Surveyor		
B. Colella			
** 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 type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurried			
subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data			
TAXONOMIC ACCURACY			
high	moder.	low	not samp.
vascular	<input checked="" type="checkbox"/>	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			

LOCATION	
State	OH
County:	Cuy
Quadrangle:	Berea - Kirtland
Local Place Names:	Main Street Baseball Field + Electric
Landowner:	CMP
X-axis Bearing of plot:	[238] °
Data Confidentiality:	Check one: <input type="checkbox"/> Public data <input type="checkbox"/> Private Data <input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m
Reason:	If data not public why?
Source of coordinates	<input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS
GPS location in plot x=0 to 5, y=-1,0,+1); x = ○ y = ○ (base of plot x=0, y=0)	
Coordinate system:	Coord. Units <input checked="" type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input type="checkbox"/> deg <input type="checkbox"/> deg/min <input type="checkbox"/> Other (specify) ■ m <input type="checkbox"/> ft <input type="checkbox"/>
Datum:	■ NAD83/WGS84 <input type="checkbox"/> NAD27
Latitude:	41.35476
Longitude:	81.83254
Coord. Accuracy:	✓ m <input type="checkbox"/> ft +/-1.1
GPS File Name:	1102 A
Plot size for cover data:	0.1 (hectares)
<input type="checkbox"/> Stems not sampled on this plot <input type="checkbox"/> Stems absent <input checked="" type="checkbox"/> Stems present Plot size stems 0.1 (ha)	
Depth:	(1-5): 4
Intensive modules:	2, 3, 8, 9 <small>(EDIT IF MODIFIED)</small>
Camera No.:	Q
Photo Nos.:	950
Veg Char: Canopy: Red Maple, Sugar Maple, Red Oak, Tulip tree Mid story: Sugar Maples - very limited Understory: Sedges, Grasses, Cleopatra	
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:

Plot No.:

Page 2 of 2

CLASSIFICATION		STAND SIZE		DISTURBANCES					
(Fit= excellent, good, fair, poor; CONF = high, med, low)	Fit and Confidence	Fit=	Conf=	type*	severity**	yrs ago	% of plot	description	
Hydrogeomorphic class (WETLANDS ONLY):				<input type="checkbox"/> > 1,000 x plot size	<input type="checkbox"/> Natural	<input checked="" type="checkbox"/> L	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 5%	Blanket, ground trash, brush up underwater in trees
<input type="checkbox"/> DEPRESSION				<input type="checkbox"/> > 100 x plot size	<input type="checkbox"/> Fire				
<input type="checkbox"/> IMPOUNDMENT <input type="checkbox"/> Beaver <input type="checkbox"/> Human				<input type="checkbox"/> 10-100 x plot size	<input type="checkbox"/> Cut				
<input type="checkbox"/> RIVERINE <input type="checkbox"/> Headwater <input type="checkbox"/> Mainstem <input type="checkbox"/> Channel				<input type="checkbox"/> 3-10 x plot size	<input type="checkbox"/> Animal	<input checked="" type="checkbox"/> M	<input checked="" type="checkbox"/> O	<input checked="" type="checkbox"/> 100	Dier Browse
<input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope)				<input type="checkbox"/> < plot size	<input type="checkbox"/> Other				
<input type="checkbox"/> FRINGING <input type="checkbox"/> Reservoir <input type="checkbox"/> Natural Lake									
<input type="checkbox"/> COASTAL (specify subclass)									
<input type="checkbox"/> BOG (strongly, moderately, weekly ombrotrophic)									
		Fit=	Conf=						
		Fit=	Conf=						
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):									
<input type="checkbox"/> FOREST <input type="checkbox"/> swamp forest <input type="checkbox"/> bog forest <input type="checkbox"/> forest seep									
<input type="checkbox"/> EMERGENT <input type="checkbox"/> marsh <input type="checkbox"/> wet meadow <input type="checkbox"/> open bog									
<input type="checkbox"/> SHRUB <input type="checkbox"/> shrub swamp <input type="checkbox"/> tall sh. bog <input type="checkbox"/> tall sh. fen									
MODIFIED NATURERESERVE CLASS*									
CODE (on separate form): <input checked="" type="checkbox"/>				Fit= <i>Good</i>	Conf= <i>Med</i>				
COMMUNITY NAME: <i>Mixed Forest</i>									
HOMOGENEITY				Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)					
<input type="checkbox"/> Homogeneous				<i>Appears to be seasonally saturated Lots of woody debris on forest floor</i>					
<input type="checkbox"/> Compositional trend across the plot				<i>Youngish Stand of Red Maple, Large Ash Trees</i>					
<input type="checkbox"/> Conspicuous inclusions				<i>Big tulips that are spreading - most likely an open area when they were 1st growing</i>					
<input type="checkbox"/> Irregular/pattern mosaic				<i>Most likely clearcut when railroad or plow company came in.</i>					
				<i>(by default unless plot is a wetland)</i>					
				<input type="checkbox"/> Temporarily flooded	<i>(e.g. wind, storms)</i>				
				<input type="checkbox"/> Unknown					

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 1 of 3

Project Label: PCAP Project name: O1_Bc2011 Plot no.: 1122

Total modules: 10 Intensive modules: 4 Plot configuration: 2X5

Visual est. % open water entire site: 0 Visual est. %unveg.o.w. entire site: 0

Visual est. %invasives entire site: 5



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Metroparks**

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

Estimate for each intensive module:
%open water
%unvegetated open water
%unveg. ground (bare soil)
%unveg. litter (bare litter)

Visual est. % open water entire site:

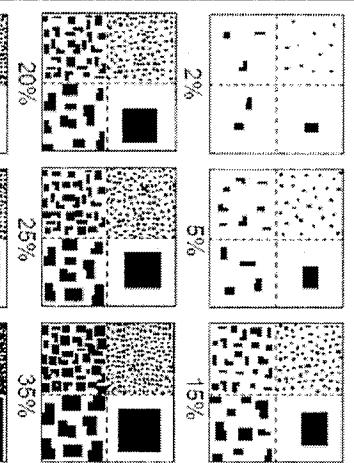
Visual est. %unveg.o.w. entire site:

Visual est. %invasives entire site:

Strata - Cov. entire plot	T	S	H	(F)(A)	Br	Species	C	Voucher #	Estimate for each intensive module:													
									mod	corn	mod	corn	mod	corn	mod	corn	mod	corn	mod	corn		
Buckthorn	6	4				<i>Acer saccharum</i>			2	4	2	3	4	3	2	5	4	8	2	4	3	9
	8	3				<i>Acer rubrum</i>			4	8	4	4	8	4	2	7	4	4	7	4	7	
	4					<i>Pedicularis sudetum</i>			1	4												
	5					<i>Larixia virginalis</i>			3	2	2	3	2	1	3	2	3	2	4	1	2	
	2					<i>Arisaema triphyllum</i>			1	2												
	7					<i>Ligustrum vulgare</i>			2	2												
	2					<i>Toxicodendron radicans</i>			2	1	2	2	3	3	2	2	2	2	1	2	1	
	2					<i>Fragaria alans</i>			2	2	3	2	2	3	2	2	2	2	2	3	2	
	2					<i>Lonicera morrowii</i>			2	2	2	2	2	2	1	1	1	2	1	2	1	
	2					<i>Fraxinus americana</i>			2	2	2	2	2	2	2	2	2	2	2	2	2	
	7	-2				<i>Thymelaea tenuifolia</i>			2	2	2	2	2	2	2	2	2	2	2	2	2	
	3					<i>Glyceria stricta</i>			2	1												
	2					<i>Viburnum dentatum</i>			2	1												
	3					<i>Carpinus swinhonis</i> 17 July 2011	SKE 315		2	3	3	3	2	2	2	1	3	1	2	1	1	
	2					<i>Vitis</i>																
	2					<i>Veronica officinalis</i>			4	1	3	1	1	1	1	1	2	1	2	1	1	
	3					<i>Moss sp.</i>			4	2	2	3	2	1	1	1	2	1	2	1	1	
	6					<i>Quercus rubra</i>			2	6	4	2	1	1	4	2	5	2	1	2	1	
	2					<i>Astercaceae</i>			3	2	3	2	3	2	1	1	1	1	2	1	1	
	2					<i>Vitis cordata</i>			3	2	3	3	2	2	1	1	1	1	2	1	1	
	1					<i>Unknown Monocot</i>	SKE 8-24-13		1	1	1	1	1	1	1	1	1	1	1	1	1	
	1					<i>Prunus serotina</i>			3	2	2	2	2	2	1	1	2	1	1	2	1	
	2					<i>Acer saccharum</i>			3	2	3	3	2	2	1	1	3	1	3	1	1	
	2					<i>Liquidambar benzoin</i>			2	1	2	1	1	1	1	1	2	1	2	1	1	

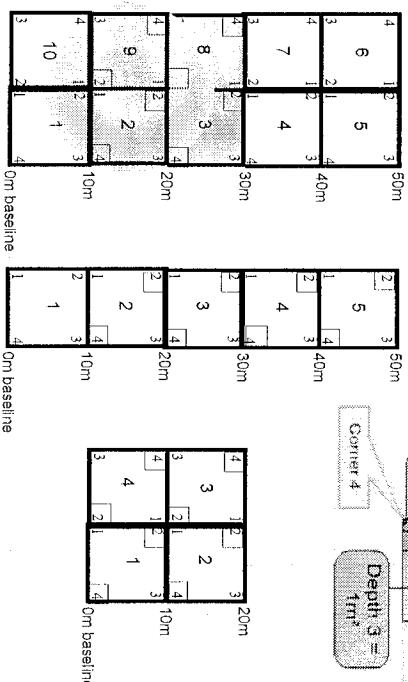
EXAMPLES OF PERCENT OF AREA COVERED

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



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.

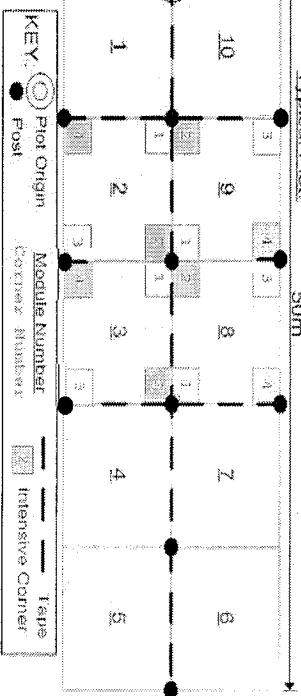
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

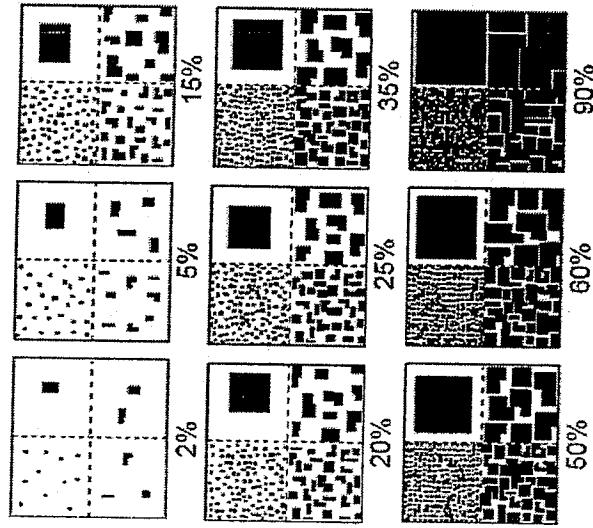
HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module AND a browse line is evident.

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.



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.



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

BROWSE RATING NARRATIVE DESCRIPTION

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

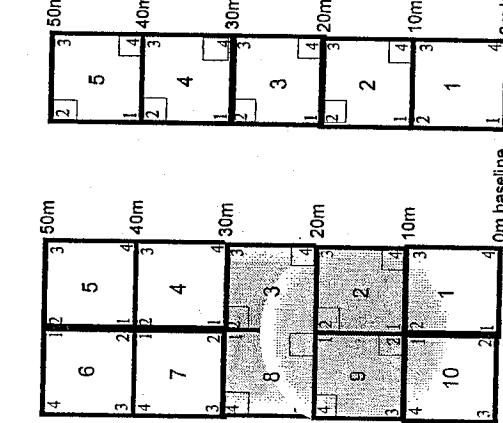
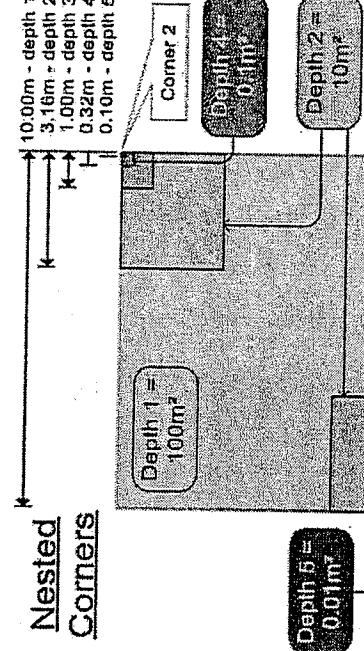
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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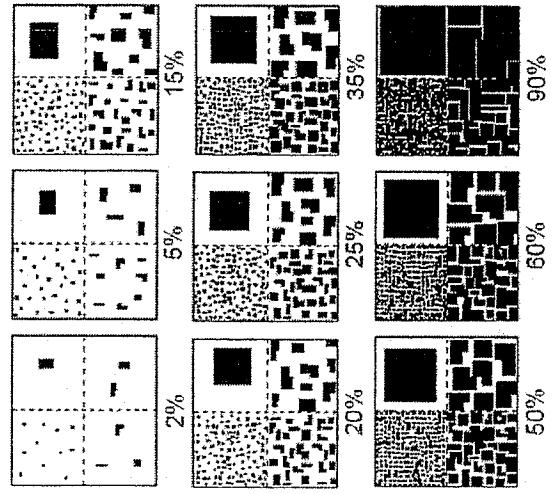
HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module AND a browse line is evident.

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.



EXAMPLES OF PERCENT OF AREA COVERED

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



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.

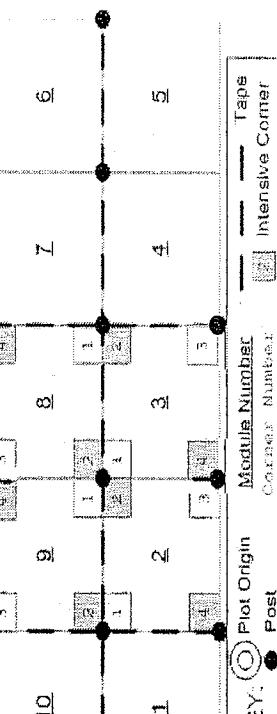
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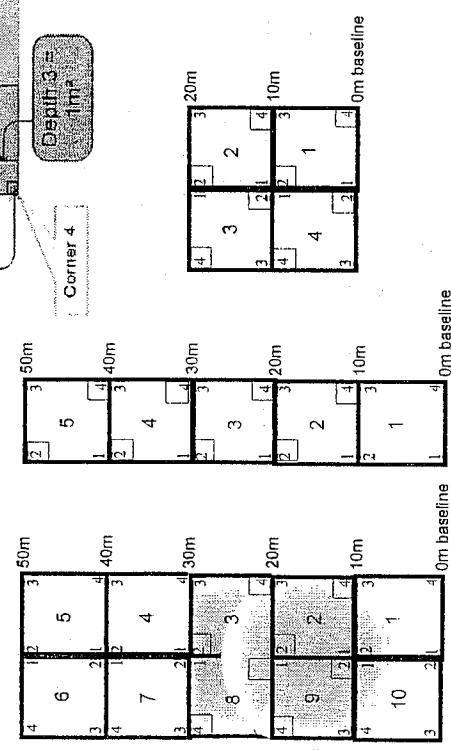
HIGH: greater than 25 percent of the stems of plants in the 1m² nested quadrat and intensive module AND a browse line is evident.

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.



KEY: ○ Plot Origin Module Number □ Corner Number ■ Tapε ● Intensive Corner



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAPProject Name: O1B(2011Plot No.: 1122

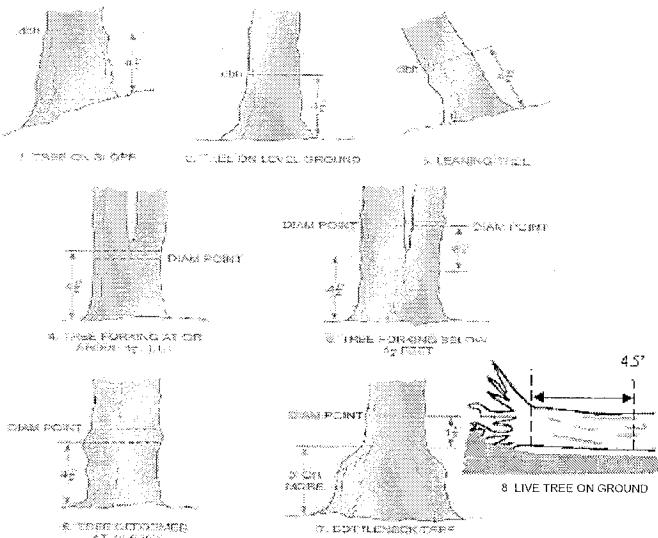
Cleveland Metroparks

Page: 1 of 2

Explain subsample (additional room on back):

mod #	species	c voucher#	# stems 0.5-m browsed	% sub or super sample	# shrub clumps	size class (cm) woody stems >1m					10 <40 (record each tree)	
						1 0-<1	2 1-<2.5	3 2.5-<5	4 5-<10	5 10-<15	6 15-<20	
* 1	<i>Quercus rubra</i>											
* 1	Standing Dead											
* 1	<i>Acer Saccharinum</i>											
* 1	<i>Acer rubrum</i>											
* 2	<i>Acer rubrum</i>											
* 2	<i>Quercus rubra</i>											
* 2	Standing Dead											
* 2	<i>Acer saccharinum</i>											
* 3	<i>Acer rubrum</i>											
* 3	<i>Fraxinus americana</i>											
* 3	<i>Quercus alba</i>											
* 4	<i>Liquidambar tulipifera</i>											
* 4	<i>Acer rubrum</i>											
* 4	Standing Dead											
* 4	<i>Acer saccharum</i>											
* 4	<i>Carpinus caroliniana</i>											
* 4	<i>Fagus grandifolia</i>											
* 5	<i>Quercus palustris</i>											
* 5	<i>Acer rubrum</i>											
* 5	<i>Lindera benzoin</i>											
* 5	Standing Dead											
* 6	<i>Quercus alba</i>											
* 6	<i>Acer Saccharum</i>											
* 6	<i>Acer rubrum</i>											

DBH Measurement Rules



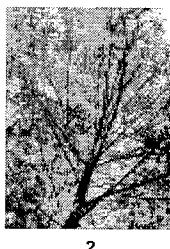
Woody Stem Deer Browse

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

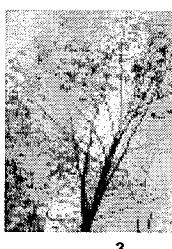
Record using the tally system from 1 to 10



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: OIBC 2011

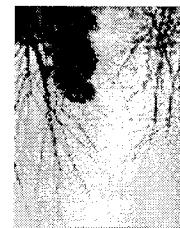
Plot No.: 1122

Page: 2 of 2

Explain subsample (additional room on back):

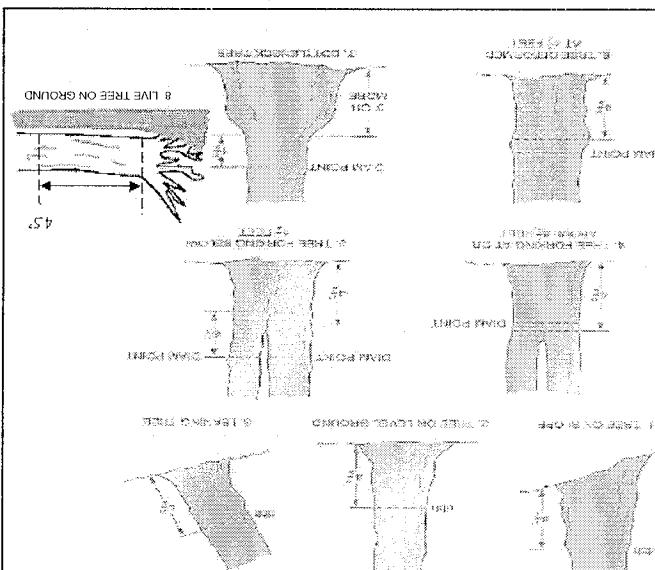
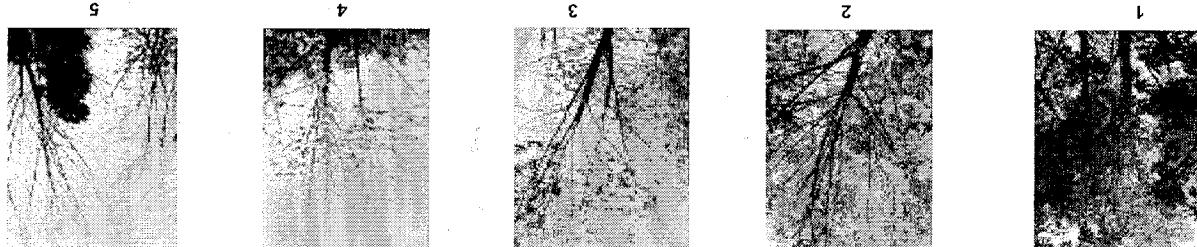
ASH CANOPY BREAKUP CONDITION (for dead trees): (if) an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition

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



1. Healthy, full canopy: A healthy sash canopy is normally thinner than many other trees such as maple.
2. Thinning canopy: Three 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 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.

ASH CANOPY CONDITION



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

Record using the tally system from 1 to 10

CLEVELAND METROPARKS Emerald Ash Borer - <i>Fraxinus</i> Sheet							INTENSIVE MODULES ONLY		TREES ≥ 10CM ONLY	
Project Label: PCAP							Project Name: OIRC ZCAI		Plot No.: 1122 Date: 6/15/11	
									Page: 1 of 2	

ASH Only							INTENSIVE MODULES ONLY		TREES ≥ 10CM ONLY	
Module	Tree ID.	Species	Dead c	Voucher #	DBH (cm)	Ht @ DBH	Ash condition	Dead holes	# Ext epicormic present	Woodpecker holes
3	1	<i>Fraxinus americana</i>			15.5	1.38	3	1	0	0
	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

9	8
2	3
1	

*** Change intensive module numbers when necessary

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

- * If Ash Condition scores 5 (dead) provide breakup score (A-E)
- Count EAB exit holes 1.25in² x ≥1.5in
- Woodpecker and epicormic marked present (1) or absent (0)

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

Tier 1: Early detection/Rapid response						GPS	
# of Plants	Acer platanoides	Norway Maple	NE	SE	SW	NW	Presence
4: 50-100	Allianthus altissima	Treedom of Heaven					
5: 100-1,000	Lonicera japonica	(Vine) Japanese Honeyuckle	2	1	1		
6: >1,000	Lytium salicaria	(Vine) Purple Loosestrife					
7: 1-10	Celastrus orbiculatus	(Vine) Asian Bittersweet					
8: 11-50.	Berberis thunbergii	Japanese Barberry (shrub)	1	1			
9: >50	Rhamnus cathartica	Common Buckthorn (shrub)					
10: 1-100	Alnus glutinosa	European Alder					
11: 1-10	Elaeagnus umbellata	Cut-leaf Teasel	1	1			
12: 11-50.	Coronilla varia	(G-cover) Crown Vetch					
13: >50	Convallaria majalis	(G-cover) Lily of the Valley	NE	SE	SW	NW	# of Plants
Tier 3: Presence is of interest							
# of Plants	Rubus phoenicolasius	Wineberry	NE	SE	SW	NW	Comments
14: 1-10	Pulmonaria officinalis	(G-cover) Lungwort					
15: 11-50.	Philesthephus cornuta	Mock Orange (shrub)					
16: >50	Pachysandra terminalis	(G-cover) Japanese Pachysandra					
17: 1-100	Elutherococcus pentaphylloides	Five-leaf Aralia (shrub)					
18: 11-50.	Coronilla varia	(G-cover) Crown Vetch					
19: >50	Convallaria majalis	(G-cover) Lily of the Valley	NE	SE	SW	NW	# of Plants
Tier 4: Widely spread and abundant							
# of Plants	Rubus phoenicolasius	Yellow Flag Iris (wetland)	NE	SE	SW	NW	Comments
20: 1-10	Rubus phoenicolasius	Wineberry					
21: 11-50.	Pulmonaria officinalis	Mock Orange (shrub)					
22: >50	Philesthephus cornuta	Japanese Pachysandra					
23: 1-100	Elutherococcus pentaphylloides	Five-leaf Aralia (shrub)					
24: 11-50.	Coronilla varia	(G-cover) Crown Vetch					
25: >50	Convallaria majalis	(G-cover) Lily of the Valley	NE	SE	SW	NW	# of Plants
Tier 5: Presence is of interest							
# of Plants	Dipsacus laciniatus	Cut-leaf Teasel	NE	SE	SW	NW	Comments
26: 1-10	Elaeagnus umbellata	Autumn Olive (shrub)	1	1			
27: 11-50.	Lonicera maackii	Amur Honeyuckle (shrub)	2	1			
28: >50	Euonymus fortunei	Winter creeper					
29: 1-100	Convallaria majalis	(G-cover) Lily of the Valley					
30: 11-50.	Elaeagnus umbellata	Cut-leaf Teasel					
31: >50	Dipsacus laciniatus	Autumn Olive (shrub)					
32: 1-100	Alnus glutinosa	European Alder					
33: 11-50.	Berberis thunbergii	Japanese Barberry (shrub)	1	1			
34: >50	Rhamnus cathartica	Common Buckthorn (shrub)					
35: 1-100	Conium maculatum	(wetland) Poison Hemlock	2				
36: 11-50.	Alnus glutinosa	Hedgeparsley					
37: >50	Trollius sp.	Asian Bittersweet					
38: 1-100	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
39: 11-50.	Berberis thunbergii	Japanese Barberry (shrub)					
40: >50	Rhamnus cathartica	Common Buckthorn (shrub)					
41: 1-100	Conium maculatum	(wetland) Poison Hemlock	2				
42: 11-50.	Alnus glutinosa	Hedgeparsley					
43: >50	Trollius sp.	Asian Bittersweet					
44: 1-100	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
45: 11-50.	Berberis thunbergii	Japanese Barberry (shrub)					
46: >50	Rhamnus cathartica	Common Buckthorn (shrub)					
Tier 6: Assess as Needed							
# of Plants	Micrasterigium vimineum	Japanese Stiltgrass	NE	SE	SW	NW	Comments
47: 1-100	Ranunculus ficaria	Lesser Celandine					
48: 11-50.	Cynanchum louiseae	(vine) Black Swallow-wort					
49: >50	Butomus umbellatus	(wetland) Flowering Rush					
50: 1-100	Allianthus altissima	Treedom of Heaven					
51: 11-50.	Lonicera japonica	(Vine) Japanese Honeyuckle	2	1	1		
52: >50	Lytium salicaria	Purple Loosestrife					
53: 1-100	Aegopodium podagraria	(G-cover) Bishop's Goutweed					
54: 11-50.	Celastrus orbiculatus	(vine) Asian Bittersweet					
55: >50	Alnus glutinosa	Hedgeparsley					
56: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
57: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
58: >50	Conium maculatum	(wetland) Poison Hemlock	2				
59: 1-100	Alnus glutinosa	Hedgeparsley					
60: 11-50.	Trollius sp.	Asian Bittersweet					
61: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
62: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
63: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
64: >50	Conium maculatum	(wetland) Poison Hemlock	2				
65: 1-100	Alnus glutinosa	Hedgeparsley					
66: 11-50.	Trollius sp.	Asian Bittersweet					
67: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
68: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
69: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
70: >50	Conium maculatum	(wetland) Poison Hemlock	2				
71: 1-100	Alnus glutinosa	Hedgeparsley					
72: 11-50.	Trollius sp.	Asian Bittersweet					
73: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
74: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
75: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
76: >50	Conium maculatum	(wetland) Poison Hemlock	2				
77: 1-100	Alnus glutinosa	Hedgeparsley					
78: 11-50.	Trollius sp.	Asian Bittersweet					
79: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
80: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
81: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
82: >50	Conium maculatum	(wetland) Poison Hemlock	2				
83: 1-100	Alnus glutinosa	Hedgeparsley					
84: 11-50.	Trollius sp.	Asian Bittersweet					
85: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
86: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
87: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
88: >50	Conium maculatum	(wetland) Poison Hemlock	2				
89: 1-100	Alnus glutinosa	Hedgeparsley					
90: 11-50.	Trollius sp.	Asian Bittersweet					
91: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
92: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
93: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
94: >50	Conium maculatum	(wetland) Poison Hemlock	2				
95: 1-100	Alnus glutinosa	Hedgeparsley					
96: 11-50.	Trollius sp.	Asian Bittersweet					
97: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
98: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
99: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
100: >50	Conium maculatum	(wetland) Poison Hemlock	2				
101: 1-100	Alnus glutinosa	Hedgeparsley					
102: 11-50.	Trollius sp.	Asian Bittersweet					
103: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
104: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
105: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
106: >50	Conium maculatum	(wetland) Poison Hemlock	2				
107: 1-100	Alnus glutinosa	Hedgeparsley					
108: 11-50.	Trollius sp.	Asian Bittersweet					
109: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
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111: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
112: >50	Conium maculatum	(wetland) Poison Hemlock	2				
113: 1-100	Alnus glutinosa	Hedgeparsley					
114: 11-50.	Trollius sp.	Asian Bittersweet					
115: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
116: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
117: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
118: >50	Conium maculatum	(wetland) Poison Hemlock	2				
119: 1-100	Alnus glutinosa	Hedgeparsley					
120: 11-50.	Trollius sp.	Asian Bittersweet					
121: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
122: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
123: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
124: >50	Conium maculatum	(wetland) Poison Hemlock	2				
125: 1-100	Alnus glutinosa	Hedgeparsley					
126: 11-50.	Trollius sp.	Asian Bittersweet					
127: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
128: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
129: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
130: >50	Conium maculatum	(wetland) Poison Hemlock	2				
131: 1-100	Alnus glutinosa	Hedgeparsley					
132: 11-50.	Trollius sp.	Asian Bittersweet					
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136: >50	Conium maculatum	(wetland) Poison Hemlock	2				
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138: 11-50.	Trollius sp.	Asian Bittersweet					
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141: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
142: >50	Conium maculatum	(wetland) Poison Hemlock	2				
143: 1-100	Alnus glutinosa	Hedgeparsley					
144: 11-50.	Trollius sp.	Asian Bittersweet					
145: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
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147: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
148: >50	Conium maculatum	(wetland) Poison Hemlock	2				
149: 1-100	Alnus glutinosa	Hedgeparsley					
150: 11-50.	Trollius sp.	Asian Bittersweet					
151: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
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153: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
154: >50	Conium maculatum	(wetland) Poison Hemlock	2				
155: 1-100	Alnus glutinosa	Hedgeparsley					
156: 11-50.	Trollius sp.	Asian Bittersweet					
157: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
158: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
159: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
160: >50	Conium maculatum	(wetland) Poison Hemlock	2				
161: 1-100	Alnus glutinosa	Hedgeparsley					
162: 11-50.	Trollius sp.	Asian Bittersweet					
163: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
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165: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
166: >50	Conium maculatum	(wetland) Poison Hemlock	2				
167: 1-100	Alnus glutinosa	Hedgeparsley					
168: 11-50.	Trollius sp.	Asian Bittersweet					
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171: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
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173: 1-100	Alnus glutinosa	Hedgeparsley					
174: 11-50.	Trollius sp.	Asian Bittersweet					
175: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
176: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
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180: 11-50.	Trollius sp.	Asian Bittersweet					
181: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
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185: 1-100	Alnus glutinosa	Hedgeparsley					
186: 11-50.	Trollius sp.	Asian Bittersweet					
187: >50	Celastrus orbiculatus	(vine) Asiatic Bittersweet					
188: 1-100	Berberis thunbergii	Japanese Barberry (shrub)					
189: 11-50.	Rhamnus cathartica	Common Buckthorn (shrub)					
190: >50	Conium maculatum	(wetland) Poison Hemlock	2				
191: 1-100	Alnus glutinosa	Hedgeparsley					
192: 11-50.	Trollius sp.	Asian Bittersweet					

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
 Project Label: PCAP Project Name: O1BLC2011

Plot No.: 1122

Page: 1 of 1


COVER BY STRATA (% estimate using 1m² plots or ext. 3, 5, 13, 18')		If trail falls in plot record type and cover for each	
Strata	Height Range (m)	Total Cover (%)	Type
Tree	-	93	(Sum = 100%) percent
Shrub	-	13	(Each ≤ 10%) percent
Herb	-	18	Habitat
(Flotilla)*	-	5	Mineral Soil
(Aquatic)**	-	0	Fine Woody Debris***
			Gravel-Cobble*
			Boulder**
			Litter
			Duff (Fern + Humus)
			Bryophyte-Lichen
			Bedrock
			Water
			* Gravel-Cobble = 1/16 to 10 in
			** Boulder > 10 in
			*** 5 cm in diameter
			<5 cm in diameter
			Other

EARTH SURFACE & GROUND COVER		TRAIL INFORMATION: If trail falls in plot record type and cover for each	
Underlying Earth Surface*	Ground Cover	Type	% Cover
(Sum = 100%) percent	(Each ≤ 10%) percent	All Purpose	
Histosol	O	Bridle	
Mineral Soil	100	Hiking sanctioned	
Gravel-Cobble*	0	Boating unsanctioned	
Boulder**	0	E Gravel	
Litter	13	E Deer	
Duff (Fern + Humus)	0		
Bryophyte-Lichen	3		
Bedrock	0		
Water	0		
*Gravel-Cobble = 1/16 to 10 in			
** Boulder > 10 in			
*** 5 cm in diameter			
<5 cm in diameter			
Other	0		

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

MICROTROPOGRAPHIC FEATURE COUNTS - Intensive modules only

Ranks for microhabitat features. Select one or select two and average the score. NOTE: If mod fails on a slope automatically gets ranked based on steepness (1-3)

Slope 1 = slight elevation grade across module (hill)

Slope 2 = falls on slope ~20°

Slope 3 = maximum steepness that can be safely sampled ~45°

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

3 feature is present in very small amounts or if more common, of low quality

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

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

c.w.d. - count for pieces with minimum 1m length

no. of tufts	no. of hummocks	no. macro depressions	c.w.d.	c.w.d.	c.w.d.	microhab interspers	microhab interspers	TSI*	TSI**
depth 3	depth 2	depth 1	(2-12 cm)	(12-40 cm)	>40 cm	depth 1	depth 1		
1x1m	3.16x3.16m	10x10m	(8x10m)	(8x10m)	10x10m	(10x10m)	(10x10m)		
mod# corner	(count)	(count)	(count)	(count)	(count)	(count)	(count)		
Z	0	1	36	2	0	2	1		
3	0	0	40	23	0	1	0		
9	0	0	1	32	0	0	1		
9	0	1	42	0	0	0	1		

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

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

c.w.d. = coarse woody debris

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

MINAB INDICES (degrees) + for up - for down
 (FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD)

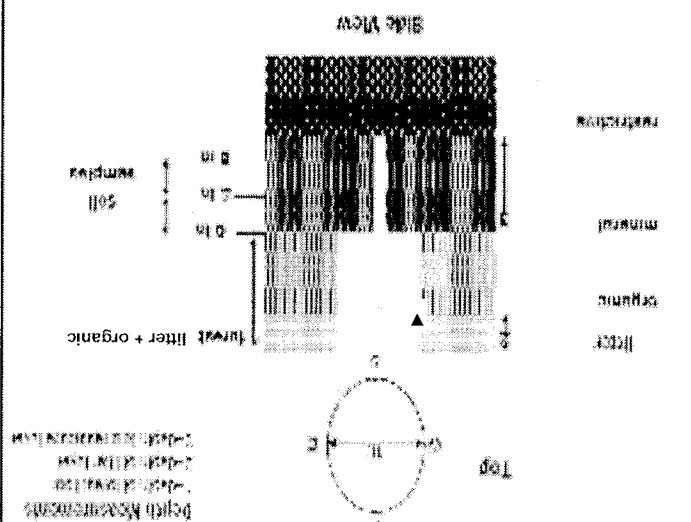
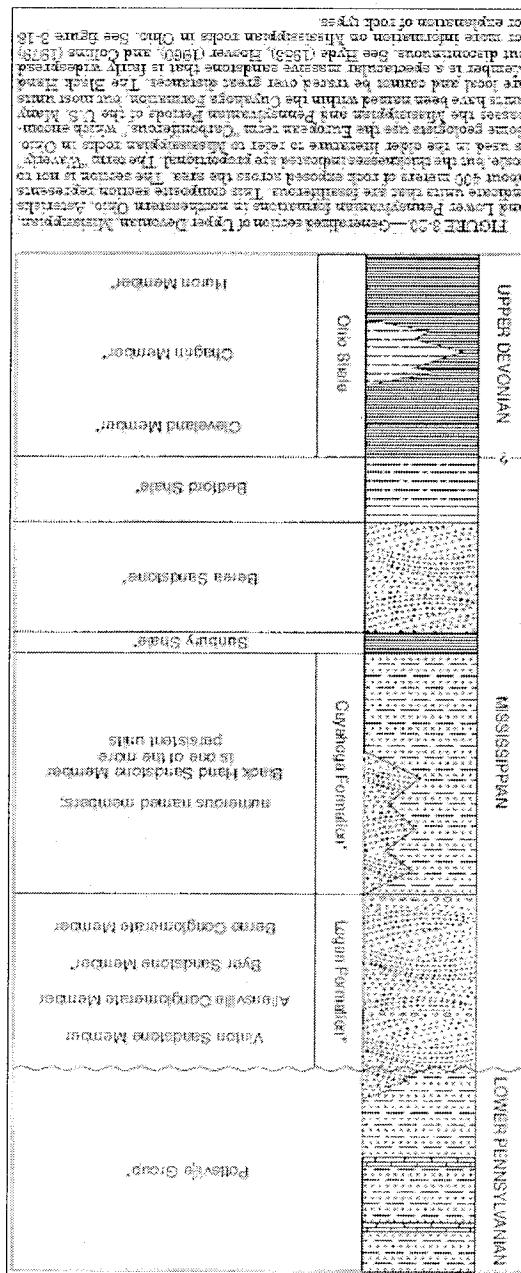
CROWN COVER DENSIMETER Make
 4 readings per module facing N, S, E, W. Place
 (4 dots per grid square)

Module	N	S	E	W
2	5	5	4	3
3	8	3	3	2
9	2	6	3	3

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

TSI** is terrain shape index (site microtopographic shape)

TRAIL INFORMATION: If trail falls in plot record type and cover for each	
Type	% Cover
All Purpose	
Bridle	
Hiking sanctioned	
Boating unsanctioned	
E Gravel	
E Deer	



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

Project label: PCAP **Project Name:** 01 BC 2011

Plot No.: 1122

Page: 1 of 1

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

Soil pit module # 8 (one per entire plot)

5 cm	matrix color	YR 3/3
mottle color	n/a	
%/mottle	n/a	
oxid roots	Y	N
texture*	1	
redox features**		
hydr. cond. ***	I S M D	
20 cm	matrix color	YR 4/4
mottle color	n/a	
%/mottle	n/a	
oxid roots	Y	N
texture*	1	
redox features**	Y N	
hydro. cond. ***	I S M D	

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)
2,3,8,9 compositd	A

Soil Description/notes:

Web Soil Survey Information:

Soil Series/Type: **Mechanay Silt loam**

MSB

Soil Series Source: Ohio Soil Survey

Landform type: **Plains**

Parent Material: **Till**

DRAINAGE*

record as >30

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

record as >30

1 litter + organic depth (cm) 2 litter depth(cm) 3 restrict. water depth sat soil depth (cm)

mod# 2 2.0 2.0 74.0 200 >30

3 2.0 2.0 94.0 250 >30

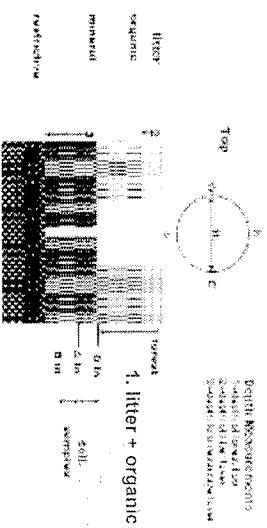
8 1.0 1.0 81.0 0 >30

9 1.0 1.0 30.0 0 >30

Length of soil probe = 125 cm

* Use Web Soil Survey for #3 Restrictive layer dept.

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



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

PERMANENTLY FLOODED: Water covers the land surface at all times or the year in all years; Equivalents to ground water permanency.

SEMIPERMANENT FLUODED (exposed <1 year); surface perists through the growing season in most years. Lined surface is normally saturated below water level when water saturated soil surface. Includes Goward's Intermittently Exposed and Semipermanently Flooded

the U.S. where developed to use in the midwest water regimes of prairie lakes, meadowland streams, and dry wastes but can be used in other temperate climates.

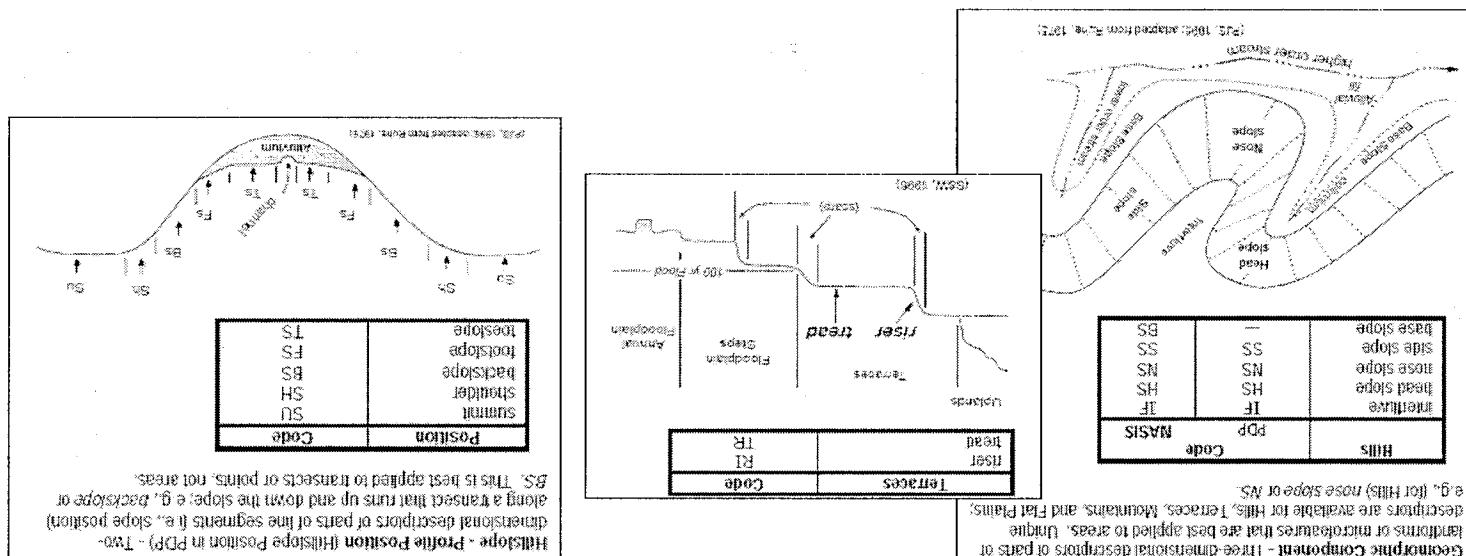
INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable

CHARACTERISTICS OF THE SOILS - organic matter can be present in the pebbles during growing season; but water table usually lies well below soil characterizes flood plain upper terraces.

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

INTERMITTENT/SEASONALLY SATURATED: Dry at least once per year. Surface water is seldom present, but substrate is saturated

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 modelling 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 granular texture, the texture is either sandy or coarse sandy. If the soil does not form a ball, squeeze the sample between your fingers and attempt to form a ball, smooth a self-supporting ribbon. Samples which form a ball but not a ribbon should be coded as loamy.

ORGANIC = 0=Organic
CLAYEY = 1=Loamy
SANDY = 2=Clayey
CLAY = 3=Sandy
SAND = 4=Coarse Sand
NOT MEASURED = 9=Not measured - make plot note

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1122

DATE: 06/15/2011

Location:

AA Center N S O E W

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

Plot 1 Plot 2 Plot 3

Z

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"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>		<input type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>
Small Trees (<0.3m DBH)	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>		<input type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>		<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>
Herbs, Forbs and Grasses	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Herbs, Forbs and Grasses	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Herbs, Forbs and Grasses	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>		<input type="radio"/>
Bare ground	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Bare ground	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Bare ground	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>
Litter, duff	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Litter, duff	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Litter, duff	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>		<input type="radio"/>
Rock	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Rock	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Rock	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>		<input type="radio"/>
Water	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Water	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Water	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>		<input type="radio"/>
Submerged Vegetation	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Submerged Vegetation	<input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>		<input type="radio"/>	Submerged Vegetation	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>		<input type="radio"/>

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

Residential and Urban Stressors				Hydrology Stressors				Agricultural & Rural Stressors				
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Ditches, Channelization	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Pasture/Hay	<input type="radio"/> <input type="radio"/> <input type="radio"/>			
Road - two lane	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/> <input checked="" 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: <u>Rawson</u>	<input type="radio"/> <input checked="" type="radio"/> <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	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Forest Clear Cut	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Herbicide Use	<input type="radio"/> <input type="radio"/> <input type="radio"/>			
Gas Wells	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Forest Selective Cut	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Mowing/Shrub Cutting	<input type="radio"/> <input type="radio"/> <input type="radio"/>			
Mine (surface)	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Tree Plantation	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Trails	<input type="radio"/> <input type="radio"/> <input type="radio"/>			
Mine (underground)	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Tree Canopy Herbivory (INSECT)	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/> <input type="radio"/> <input type="radio"/>			
Military	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>			Offroad vehicle damage	<input type="radio"/> <input type="radio"/> <input type="radio"/>			
Other: _____	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Highly Grazed Grasses (OVERALL ~3" HIGH)	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/> <input type="radio"/> <input type="radio"/>			
Other: _____	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Recently Burned Forest Canopy	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Other: _____	<input type="radio"/> <input type="radio"/> <input type="radio"/>			
Other: _____	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Recently Burned Grassland (BLACKENED)	<input type="radio"/> <input type="radio"/> <input type="radio"/>			Other: _____	<input type="radio"/> <input type="radio"/> <input type="radio"/>			

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

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

2428168304

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

Reviewed by (initial): _____

Site ID: PCAP 1122

DATE: 06/11/2011

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

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

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 ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.

Location of coordinates (choose one):

AA CENTER N3 S3 E3 W3 Nearest practicable location (flag and comment below)

Flag

3

Latitude North 41 35 56.6 Longitude West 81 83 26.0

Use Decimal Degrees; NAD83

1122BPN

- | Flag | Comments |
|------|--|
| 1 | Plot # 2 falls on slope with stream at the bottom and railroad cut the top |
| 2 | Plot # 3 falls off Metroparks property - residential area |
| 3 | Plot GPS coordinates taken at top of slope by railroad tracks |
| | |
| | |
| | |
| | |
| | |
| | |

7966623548

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAO 1122

DATE: 06/15/2011

Location:

AA Center N S E W

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

Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

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

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

Residential and Urban Stressors				Hydrology Stressors				Agricultural & Rural Stressors				
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
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 checked="" type="radio"/>	Impervious surface input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Industrial Development Stressors				Habitat/Vegetation Stressors								
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: GAS Pipeline	<input checked="" 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

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

Reviewed by (initials):

Site ID: PCAP 1122

DATE: 06/15/2011

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

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

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 ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.

Location of coordinates (choose one):

Flag

AA CENTER N3 S3 E3 W3 Nearest practicable location (flag and comment below)

Latitude North 41° 35' 46" Longitude West 81° 83' 41" 7

Use Decimal Degrees; NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1122

DATE: 06/15/2011

Location:

AA Center N OS E 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 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 type="radio"/> 3 <input checked="" type="radio"/> 4			Big Trees (>0.3m DBH)	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		
Small Trees (<0.3m DBH)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input 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 checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0 <input 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 checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4		
Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/> 0 <input 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 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			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	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
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/Soil 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 checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Impervious surface input (SHEET FLOW)	<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	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Trails	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	I
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 type="radio"/>	<input type="radio"/>	Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Highly Grazed Grasses (OVERALL <3' HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Recently Burned Forest Canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Flag codes: K = No measurement made, U = Suspect measurement., F1,F2, etc. = misc. flags assigned by each field crew.
Explain all flags in comment section on the back of this form

2428168304

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

Reviewed by (initial): _____

Site ID: PCAP # 1122

DATE: 06/15/2011

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

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

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 ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.

Location of coordinates (choose one):

Flag

AA CENTER N3 S3 E3 W3 Nearest practicable location (flag and comment below)

Latitude North 41° 3' 51" 4° 8' 8"

Longitude West

81.83129

Use Decimal Degrees: NAD83

7966623548

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1122

DATE: 06/15/2011

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			
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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 E		Absent: <input type="radio"/>	Buffer Plot 2	Canopy Type: D E		Absent: <input checked="" type="radio"/>	Buffer Plot 3	Canopy Type: D E		Absent: <input checked="" type="radio"/>
	Leaf Type: B N		Flag		Leaf Type: B N		Flag		Leaf Type: B N		Flag
Big Trees (>0.3m DBH)	<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"/>	<input type="radio"/>	<input type="radio"/>
Small Trees (<0.3m DBH)	<input type="radio"/>	<input type="radio"/>	<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"/>
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Herbs, Forbs and Grasses	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bare ground	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Litter, duff	<input type="radio"/>	<input type="radio"/>	<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"/>
Rock	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Submerged Vegetation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<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				Flag
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
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/Soil 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								Flag
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
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 checked="" type="radio"/>	<input checked="" type="radio"/>	12
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input 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

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

Reviewed by (initial):

Site ID: PCAP 1123

DATE: 06/15/2011

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

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

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 ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.

Location of coordinates (choose one):

Flag

AA CENTER N3 S3 E3 W3 Nearest practicable location (flag and comment below)

Latitude North 41°35'34.7" Longitude West 81°8'32.5"9"

Use Decimal Degrees: NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1122

DATE: 06/15/2011

Location:

AA Center O N O S O E O W

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

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 E		Absent: <input type="radio"/>	Buffer Plot 2	Canopy Type: D E		Absent: <input type="radio"/>	Buffer Plot 3	Canopy Type: D F		Absent: <input type="radio"/>
	Leaf Type: B N	Flag	Leaf Type: B N		Leaf Type: B N	Flag	Leaf Type: B N		Leaf Type: B N	Flag	
Big Trees (>0 3m DBH)	<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"/>	<input type="radio"/>	<input type="radio"/>
Small Trees (<0.3m DBH)	<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"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (0.5m-5m HIGH)	<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"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (<0.5m HIGH)	<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"/>	<input type="radio"/>	<input type="radio"/>
Herbs, Forbs and Grasses	<input type="radio"/>	<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"/>	<input type="radio"/>
Bare ground	<input type="radio"/>	<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"/>	<input type="radio"/>
Litter, duff	<input type="radio"/>	<input type="radio"/>	<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"/>
Rock	<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"/>	<input type="radio"/>	<input type="radio"/>
Water	<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"/>	<input type="radio"/>	<input type="radio"/>
Submerged Vegetation	<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"/>	<input type="radio"/>	<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				Flag
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
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								Flag
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tree Canopy Herbivory (INSECT)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Recently Burned Forest Canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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

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

2428168304

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

Reviewed by (initial): _____

Site ID: PCAP #123

DATE: 06/15/2011

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

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

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 ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.

Location of coordinates (choose one):

Flag

AA CENTER N3 S3 E3 W3 Nearest practicable location (flag and comment below)

Latitude North 41 35 45.7 Longitude West 81 83 26.6

1(22 BPC

Use Decimal Degrees; NAD83

Buffer Sample Points - Targeted Alien Species 05/27/2011

7966623548

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

 Cleveland Metroparks

Page 1 of 2

GENERAL INFORMATION

Project Label: PCAP

Project Name:

Plot Name:

Plot No.: 122

Level 4 (no nested corners sampled)

Level 5 (nested corners sampled)

Date (mm/dd/yyyy): / /

End date (if > 1 day): / /

Party

Role**

If data not public why?

Source of coordinates MAP GPS

GPS location in plot x=0 to 5, y=-1,0,+1:

x = _____
y = _____ (base of plot x=0,y=0)

Coordinate system:

Lat/Long UTM StatePlane deg deg min

Other (specify) m ft

Datum: NAD83/WGS84 NAD27

SAMPLING QUALITY*

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

TAXONOMIC ACCURACY

Effort Level:

Very thorough

Accurate

Hurred

Stems not sampled on this plot Stems absent

Stems present Plot size stems: _____ (ha)

Depth: (1-5):

Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)

Camera No.: _____

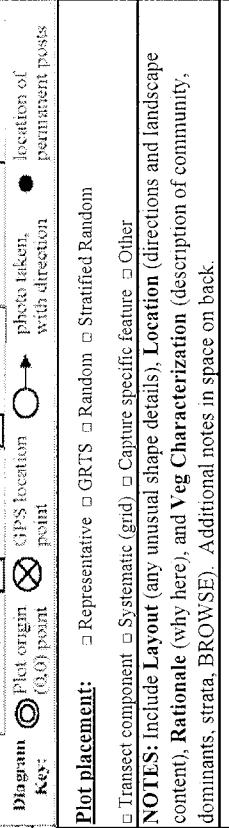
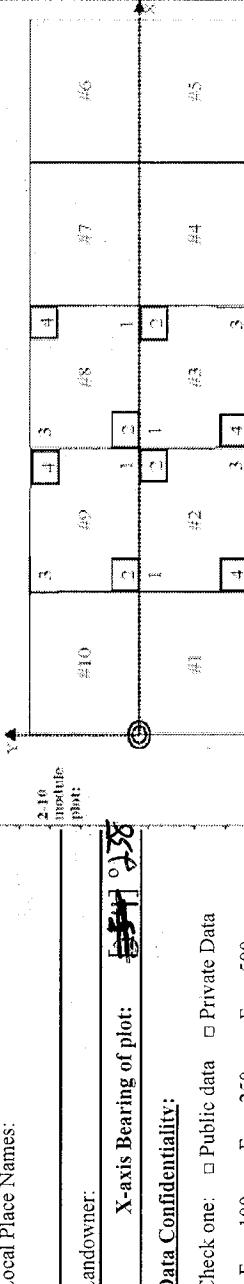
Photo Nos.: _____

Authority: G&C **Pub Date:** 1998

Minimum required fields in Bold and Underlined

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

OVER



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 - & x's
Residential - Point lands at edge of cliff slope next to a gasline right-of-way. Plot runs parallel to edge.
Original GRTS point was in corner 4 off road, S lid plot over to accomodate dirt area.

Coordinate Units

Latitude:

Longitude:

Coord. Accuracy: m ft + -

GPS File Name:

Plot size for cover data: _____ (hectares)

Plot not set up

Plot over to accomodate dirt area.

Depth: (1-5):

Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)

Camera No.: _____

Photo Nos.: _____

fa 11 20/0

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name:

Plot No.:

 Cleveland Metroparks
Page 2 of 2

CLASSIFICATION	STAND SIZE	DISTURBANCES				Plot No.:
		Fit*	Conf**	yrs ago	% of plot	
(Fit= excellent, good, fair, poor; CONF = high, med, low)	Fit and Confidence					
Hydrogeomorphic class (WETLANDS ONLY):						
<input type="checkbox"/> DEPRESSION	Fit= _____	Conf= _____	>1,000 x plot size	Human		
<input type="checkbox"/> IMPOUNDMENT	Fit= _____	Conf= _____	10-100 x plot size	Natural		
<input type="checkbox"/> RIVERINE	Fit= _____	Conf= _____	3-10 x plot size	Fire		
<input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope)	Fit= _____	Conf= _____	1-3 x plot size	Cut		
<input type="checkbox"/> FRINGING	Fit= _____	Conf= _____	< plot size	Animal		
<input type="checkbox"/> COASTAL (specify subclass)	Fit= _____	Conf= _____		Other		
<input type="checkbox"/> BOG (strongly, moderately, weekly ombrotrophic)	Fit= _____	Conf= _____				
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):						
<input type="checkbox"/> FOREST	Fit= _____	Conf= _____	Moderately well dr.			
<input type="checkbox"/> EMERGENT	Fit= _____	Conf= _____	Somewhat poorly dr.			
<input type="checkbox"/> SHRUB	Fit= _____	Conf= _____	Very poorly dr.			
MODIFIED NATURERESERVE CLASS*						
CODE (on separate form):	Fit= _____	Conf= _____	Impenetrable surface			
COMMUNITY NAME:						
LANDFORM TYPE*:						
			Upland (n/a)			
HOMOGENEITY						
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)						
<ul style="list-style-type: none"> <input type="checkbox"/> Homogeneous <input type="checkbox"/> Compositional trend across the plot <input type="checkbox"/> Conspicuous inclusions <input type="checkbox"/> Irregular/pattern mosaic 						

Park at end of Bell Diamond, Head E on tracks past
power plant. Continue past power plant (passing 4 trucked SR dead) until
Deer trail on Right (marked w/ pink flag) Follow trail to end

