

CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form
 Project Label: PCAP Plot No: 3423 Date Sampled: 8-18-12 Lead: Burton

 Cleveland Metroparks

Project Label: PCAP

Plot No: 3423

Date Sampled: 8-18-12

Lead: Burton

Parking/Access outside of Park Boundaries: Y N Comment required if item answer is NO

Field journals completed Y N If yes, write details in Comments section below

Site sketch made on 1:3000 map? Y N

Check cover page X-axis Bearing of plot recorded Y N

GPS records Recorded

North direction recorded

Photographs taken?

Plot No., Date agreement on all pages?

Header data completed all pages?

Cover classes recorded in all intensive modules

Browse Level By Species

Woody stem quality control check

Invasive plant quality control check

Ash trees mapped

Cover by Strata? (confirm cover type)

Soil samples collected with matching plot #

Vouchers labeled on datasheet with initials and number

Vouchers labeled on collection bag

Pink flags removed

Data sheet QA before leaving site?

Common equipment returned to tub.

Data sheets scanned?

Final data sheets scanned?

Buffer Widths measured?

Web Soil Survey

Voucher Location

Refrigerator

(# vouchers collected)

Press (#)

Drier

Identified

Mounted

Thrown away

8-9-12 Enter date to left 

KEL-8-10-12
JP 8-9-12

Enter date to left

Enter number to left

Additional Comments:

GENERAL INFORMATION																								
<p>Project Label: PCAP</p> <p>Project Name: 01Bc 2012</p> <p>Plot Name: The Burbs</p> <p>Plot No.: 3423</p> <p><input type="checkbox"/> Level 4 (no nested corners sampled)</p> <p><input checked="" type="checkbox"/> Level 5 (nested corners sampled)</p> <p>Date (mm/dd/yyyy): 8/1/12</p> <p>End date (if > 1 day): 8/2/12</p>																								
<p>LOCATION</p> <p>State: OH County: Cuyahoga</p> <p>Quadrangle: [Redacted]</p> <p>Local Place Names: Parked at Mowed Beam about 60m from plot</p> <p>Landowner: CM</p> <p>Data Confidentiality:</p> <p>Check one: <input checked="" type="checkbox"/> Public data <input type="checkbox"/> Private Data</p> <p><input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m</p> <p>Reason:</p> <p>If data not public why?</p> <p>Source of coordinates <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS</p> <p>Coordinate system: Coord. Units</p> <p><input checked="" type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input checked="" type="checkbox"/> deg <input type="checkbox"/> deg min</p> <p><input type="checkbox"/> Other (specify) <input checked="" type="checkbox"/> m <input type="checkbox"/> ft</p> <p>Datum: <input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27</p> <p>GPS location in plot x=0 to 5, y=-1,0,+1: x = 0 y = 0 (base of plot x=0, y=0)</p> <p>Latitude: 41.3782C</p> <p>Longitude: 81.50010</p> <p>Coord. Accuracy: <input checked="" type="checkbox"/> m <input type="checkbox"/> ft 1.5 + -</p> <p>GPS File Name: 3423A</p> <p>Plot size for cover data: 0.1 (hectares)</p> <p>X-axis Bearing of plot: 124°</p> <p>Depth: (1-5): 4</p> <p>TAXONOMIC ACCURACY</p> <table border="1"> <tr> <td></td> <td>high</td> <td>modera.</td> <td>low</td> <td>not simpl</td> </tr> <tr> <td>vascul.</td> <td>X</td> <td></td> <td></td> <td>n/a</td> </tr> <tr> <td>bryo</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>lichen</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </table> <p>TAXONOMIC STANDARD</p> <p>Authority: G&C Pub Date: 1998</p> <p>Minimum required fields in Bold and Underlined</p>						high	modera.	low	not simpl	vascul.	X			n/a	bryo			X		lichen				X
	high	modera.	low	not simpl																				
vascul.	X			n/a																				
bryo			X																					
lichen				X																				
<p><i>Do not pin-Bring Pins!</i></p> <p>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.</p> <p>Location: Plot falls between Hawthorne Parkway & Woodline Rd. Plot runs parallel to Woodline Rd.</p> <p>Rationale: GRTS Point</p> <p>Veg Char: Canopy: Red Maple, Elm; Shrub-Hawthorne; Herb - lots of graminoids</p>																								

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name: 01Be2012

Plot No.: 3423

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Page 2 of 2

MODIFIED NATURESERVE CLASS*

CODE (on separate form):

Fit=F Conf=L

COMMUNITY NAME:

Atypical Successional Woody
-Red Maple woodland

HOMOGENEITY

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

DISTURBANCES

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

**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high

Current Land Use: Park

Former Land Use: Unknown

HYDROLOGIC REGIME*

 Upland (seldom flooded) Intermittently flooded Intermittently/seasonally saturated (seldom flooded) Semipermanently flooded Permanently/Semipermanent. saturated (dry <1/yr, seldom flooded) Permanently flooded Occasionally flooded (<1/yr) Tidal/Seiche flooded daily Temporarily flooded Tidal/Seiche flooded monthly Tidal/Seiche flooded irregular (e.g. wind, storms) Unknown

(by default unless plot is a wetland)

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

Plot lies between residential neighborhood & Hawthorn Pkwy. - very disturbed area w/
dominant crataegus shrub layer.

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a															Page <u>1</u> of <u>3</u>				
Project Label:			PCAP			Project name: <u>01Be2012</u>			Plot no.: <u>3423</u>										
Total modules:			10			Intensive modules: <u>4</u>			Plot configuration: <u>2x5</u>									Plot area (ha): <u>0.1</u>	

Cleveland Metroparks

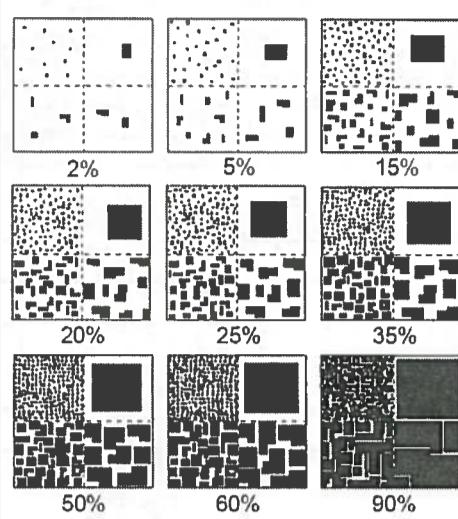
Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot

Strata - Cov. entire plot

T	S	H (F)	(A)	Br	Species	C	Voucher #	Estimate for each intensive module:																
								mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	
depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	
6					<i>Pinus strobus</i>			2	4	2	2	3	4	3	2	8	4	8	2	9	4	9	2	
7					<i>Acer rubrum</i>			0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	
6					<i>Ulmus americana</i>			1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	
8	2				<i>Crataegus</i> sp.			1	9	1	4	1	4	1	9	1	9	1	9	1	9	1	9	1
2					<i>Rhamnus frangula</i>			1	5	1	6	1	6	1	7	1	7	1	7	1	7	1	7	1
2					<i>Fraxinus</i> seedlings			1	5	1	6	1	6	1	7	1	7	1	7	1	7	1	7	1
2	2				Unknown dicot Liqidambar	C4-0208,0209		3	2	2	2	1	2	1	2	1	2	1	2	1	2	1	2	1
2					<i>Juncus tenuis</i>			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3					<i>Glyceria striata</i>			2	3	3	1	2	1	2	1	2	1	2	1	2	1	2	1	2
3	2				<i>Toxicodendron radicans</i>			2	2	2	2	3	5	4	3	2	2	2	2	2	2	2	2	2
2					<i>Oxalis stricta</i>			2	2	4	3	2	2	4	2	2	2	2	2	2	2	2	2	2
2					<i>Aster lateriflorus</i>			2	2	2	2	2	2	2	2	1	2	2	1	2	2	1	2	2
2					<i>Carex stipata</i> ZSB 9-25-12	X ZS13164		2	2															
2					<i>Leersia virginica</i>			2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2
2					<i>Veronica officinalis</i>			2	2	2	2	3	2	2	3	2	3	2	3	2	3	2	3	2
2					Unknown dicot 2	C4-0210		2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4					<i>Taraxacum officinale</i>			2	1			2	1		2	1		2	1		2	1		2
2					<i>Eupatorium rugosum</i>			2	2			2	2		2	2		2	2		2	2		2
2					<i>Primella vulgaris</i>			2	1			1	1		1	1		2	2	3	2	3	2	3
2					Moss sp.							3	2	2	2	2					4	2	3	2
3	2				<i>Fraxinus</i> sp.				2	4			2	5	2	5					3	2		
2					<i>Vinca minor</i>					1	2													
1					<i>Potentilla simplex</i>					1	1													
1					<i>Quercus</i> seedlings					1	1										1	1		
2					<i>Carex swanii</i>					1	2													

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

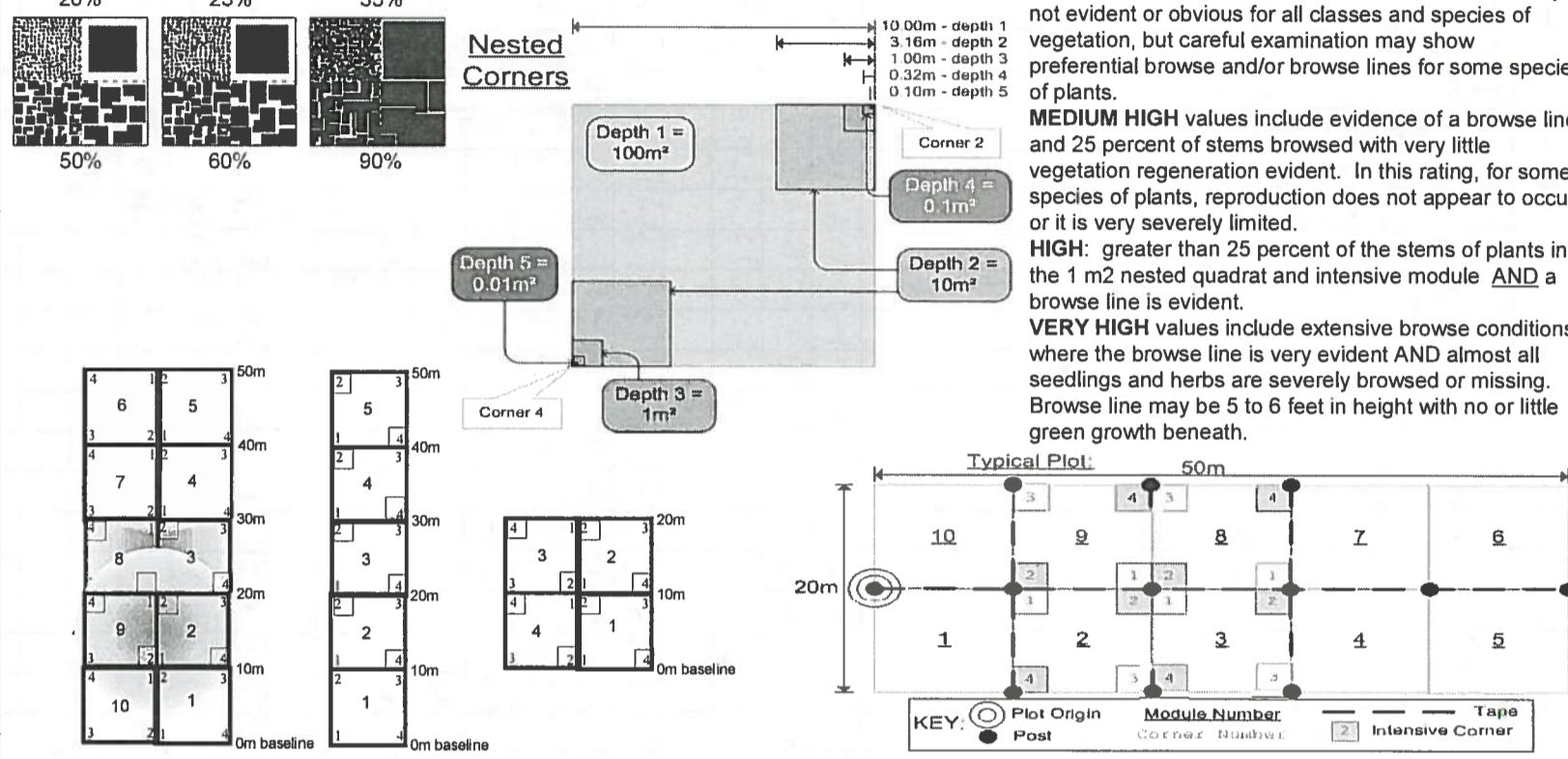
LOW OR NONE: there is no measurable browse line **AND** there are very few or no plants 1-m nested quadrat and intensive module. In general, low values relate to less than 10 percent, by numbers of stems browsed. **MEDIUM LOW** values include evidence of browse at about 10 percent of the stems with no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

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

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

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

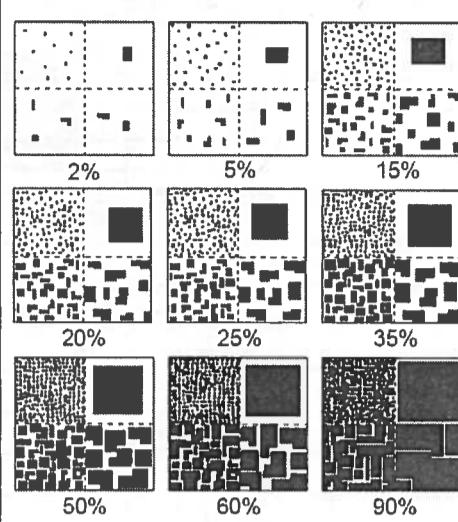
VERY HIGH values include extensive browse conditions, where the browse line is very evident **AND** almost all seedlings and herbs are severely browsed or missing. Browse line may be 5 to 6 feet in height with no or little green growth beneath.



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a																		Page <u>2</u> of <u>3</u>																																																																																																																										
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1	1	1	1	1	1	1	<i>Ulm. dicot</i> 3 Epilobium coloratum 24-0211 ZSB 10-2-2	1		1	1	1	1	1	1	1	1	1	1	1	1	R R																																																																																																																						
2	2	2	2	2	2	2	<i>Ulmus</i> seedlings	1		1	1	2	2	2	2	2	2	2	2	2	2	2	2																																																																																																																					
1	1	1	1	1	1	1	<i>Robinia pseudoacacia</i>	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																					
2	2	2	2	2	2	2	<i>Pas.</i> sp. (anerop)	1	2	1	2	3	2	3	2	4	2	2	3	2	3	2	2																																																																																																																					
2	2	2	2	2	2	2	<i>Corinus</i> sp.			2	1	2	1	2	1	1	1	1	1	1	1	1	1																																																																																																																					
2	2	2	2	2	2	2	<i>Ulmus</i> sp.			4	2	4	2	4	2	4	2	4	2	4	2	4	2																																																																																																																					
2	2	2	2	2	2	2	<i>Phalaris arundinacea</i>					3	2	3	2	3	2	3	2	3	2	3	2																																																																																																																					
2	2	2	2	2	2	2	<i>Fragaria</i> sp.					2	2	2	2	2	2	2	2	2	2	2	2																																																																																																																					
2	2	2	2	2	2	2	<i>Vitis</i> seedlings					2	1	2	1	2	1	1	1	1	1	1	1																																																																																																																					
<i>Veronica serpyllifolia</i>																		2																																																																																																																										
2	2	2	2	2	2	2	<i>Ulm. monocot</i> 1	X	ZSB 165	2	2	2	2	2	2	2	2	2	2	2	2	2																																																																																																																						
2	2	2	2	2	2	2	<i>Ulm. dicot</i> 4 Epilobium parviflorum ZSB 10-2-12	X	24-0213	2	2	2	2	2	2	2	2	2	2	2	2	2																																																																																																																						
2	2	2	2	2	2	2	<i>Hieracium</i> sp.			2	2	2	2	2	2	2	2	2	2	2	2	2																																																																																																																						
1	1	1	1	1	1	1	<i>Plantago</i> sp.			2	1	2	1	2	1	2	1	2	1	2	1	2																																																																																																																						
2	2	2	2	2	2	2	<i>Elymus riparius</i> ZSB 9-25-12	X	ZSB 166	1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																						
2	2	2	2	2	2	2	<i>Pyrus</i> sp.			1	4	1	4	1	4	1	4	1	4	1	4	1																																																																																																																						
2	2	2	2	2	2	2	<i>Liriodendron tulipifera</i>			1	3	1	3	1	3	1	3	1	3	1	3	1																																																																																																																						
2	2	2	2	2	2	2	<i>Panicum longiligulatum</i> ZSB 9-25-12	X	ZSB 167	1	2	1	2	1	2	1	2	1	2	1	2	1																																																																																																																						
2	2	2	2	2	2	2	<i>Rubus</i> sp.			1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																						
2	2	2	2	2	2	2	<i>Lonicera morrowii</i>			1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																						
4	2	2	2	2	2	2	<i>Acer saccharum</i>			1	7	1	5	1	5	1	5	1	5	1	5	1																																																																																																																						
2	2	2	2	2	2	2	<i>Unknown monocot</i> 2			1	4	1	4	1	4	1	4	1	4	1	4	1																																																																																																																						
2	2	2	2	2	2	2	<i>Veronica lyssimachia nummularia</i>			2	2	2	2	2	2	2	2	2	2	2	2	2																																																																																																																						
1	1	1	1	1	1	1	<i>Unknown dicot</i> 3		24-0214			2	1	2	1	2	1	2	1	2	1	2																																																																																																																						
2	2	2	2	2	2	2	<i>Carex</i> sp. (corales)					2	2	2	2	2	2	2	2	2	2	2																																																																																																																						

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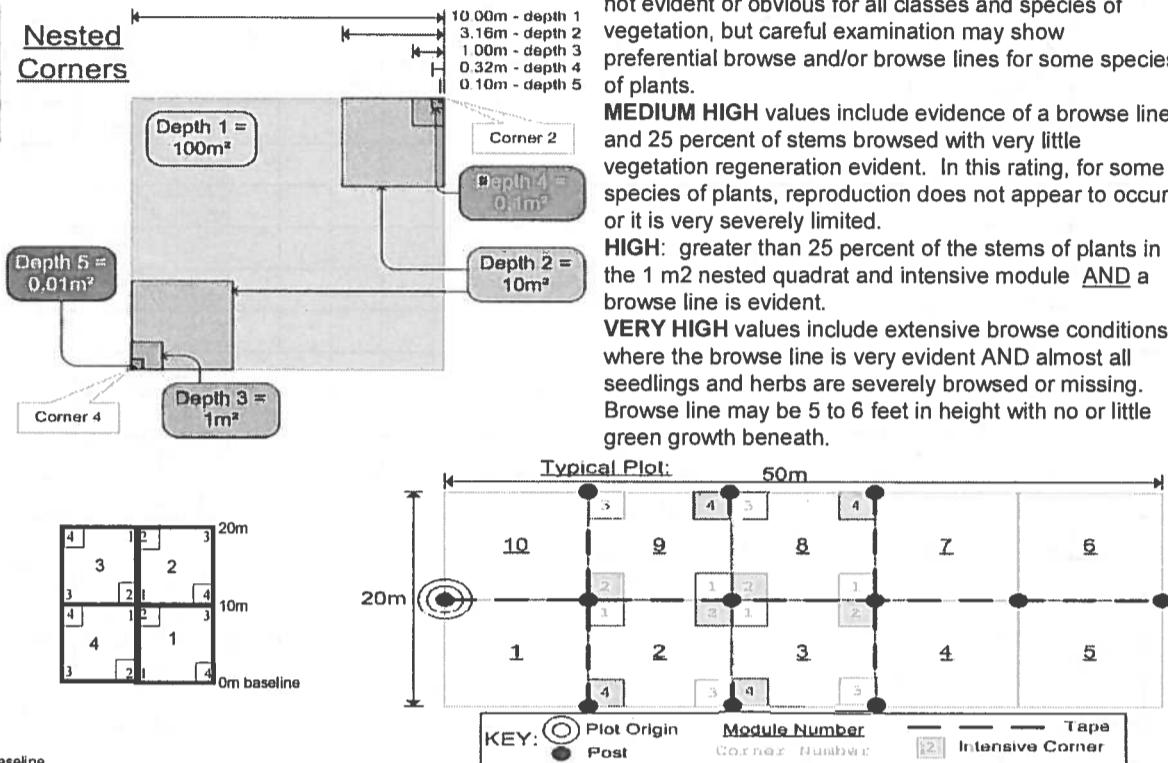
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Nested Corners



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a															Page <u>3</u> of <u>3</u>				
Project Label:		PCAP			Project name: <u>01Be2012</u>			Plot no.: <u>3423</u>											
Total modules:					Intensive modules:						Plot configuration:						Plot area (ha):		



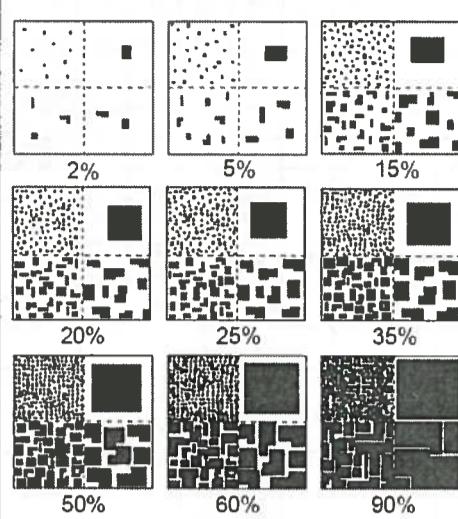
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Strata - Cov. entire plot

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									mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	
depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	
2					2	<i>Torilis sp.</i>	Unknown	ZSB162															2	2	
2					2	<i>Falostachys orbicularis</i>	X	ZSB168	3	1													2	2	
1					1	<i>Lindera benzoin</i>	Rhamnus catartica	ZSB925112															1	1	
1					1	<i>Polygonum virginianum</i>																	1	1	
2					2	<i>Parthenocissus quinquefolia</i>																1	2		
1					1	Asteraceae	Aster sp.	Unknown size & 12														1	1		
2					2	<i>Ligustrum vulgare</i>																	1	2	
2					2	Acer seedlings																		3	2
1					1	<i>Rosa multiflora</i>																	2	1	
1					1	<i>Alliaria petiolata</i>																	2	1	
2					2	<i>Carex sp. (nrepr)</i>																	2	3	
2					2	<i>Juncus effusus</i>																	R	2	
2					2	<i>Scirpus atrocivens</i>																	R	2	
2					2	<i>Lycopus Apocynum sp.</i>																	R	2	
2					2	<i>Vitis sp.</i>																		R	2

EXAMPLES OF PERCENT OF AREA COVERED

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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.

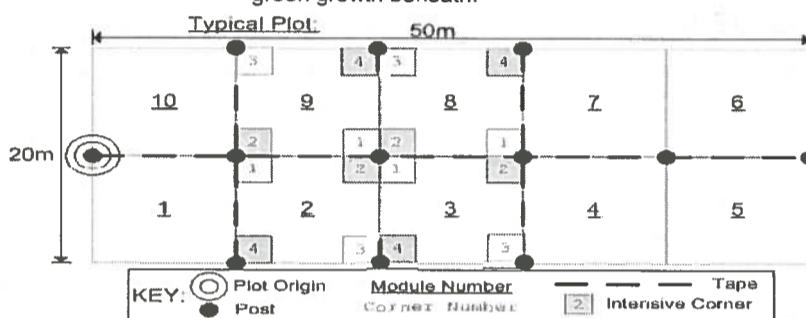
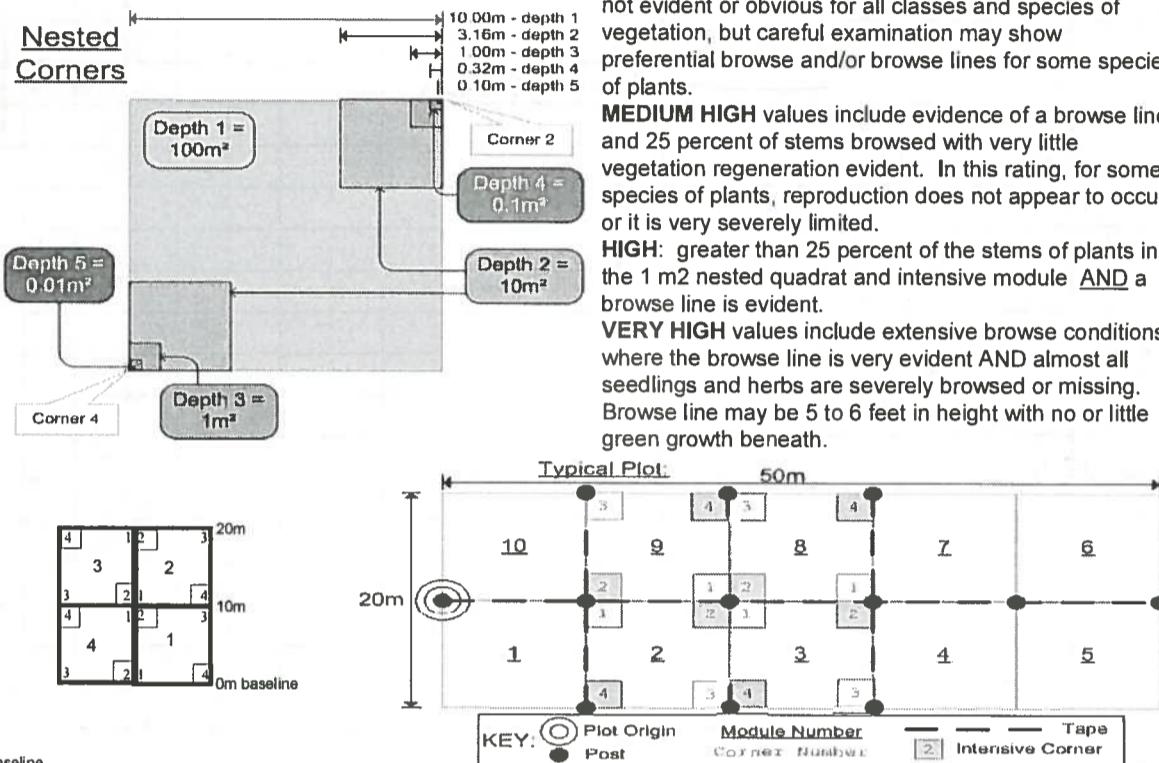
MEDIUM: browse affects greater than 10 percent and less than 25 percent of stems in the 1 m² nested quadrat and intensive module. A browse line is usually not evident or obvious for all classes and species of vegetation, but careful examination may show preferential browse and/or browse lines for some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

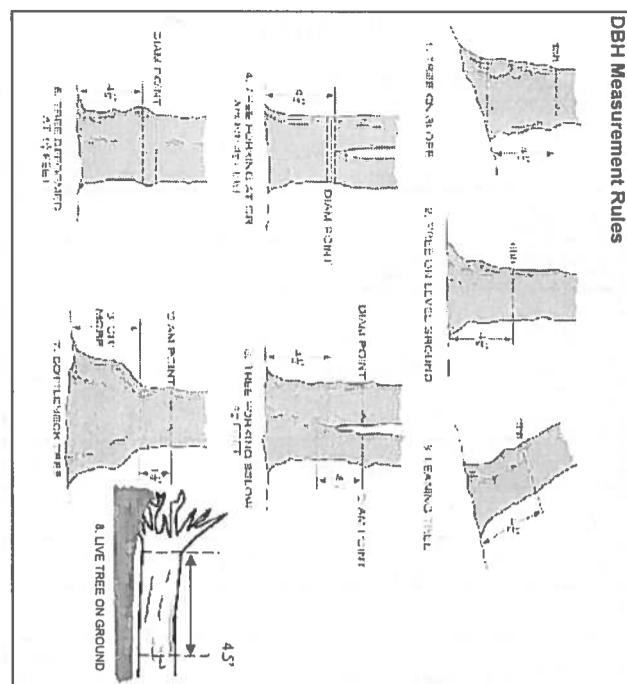
Nested Corners



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet																	
Project Label: PCAP			Project Name: Olbr 2012			Plot No.: 3483			Page: 1 of 4								
Explain subsample (additional room on back):																	

mod #	species	c	voucher#	# stems 0-1.4m browsed	% sub or super sample	# shrub clumps	size class (cm) woody stems >1.4m										
							1 0- <1	2 1- <2.5	3 2.5- <5	4 5- <10	5 10- <15	6 15- <20	7 20- <25	8 25- <30	9 30- <35	10 35- <40	11 >40 (record each tree)
✓ 1	Acer saccharum						•	•	•	•	•	•	•	•	•	•	
✓ 1	Fraxinus sp.			•					•					•			
✓ 1	Pinus strobus							•	•	•							42.5
✓ 1	Acer rubrum									•	•	•	•	•			43.1
✓ 1	Ulmus americana						•	•	•				•				
✓ 1	Standing dead							•									
✓ 1	Ulmus sp.							•									
✓ 1	Vitis sp.			•													
✓ 2	Standing dead								•	•	•						
✓ 2	Crataegus sp.						•	•	•	•							
✓ 2	Fraxinus sp.			•						•							
✓ 2	Ulmus americana											•					
✓ 3	Crataegus sp.			•			•	•	•	•	•	•	•				
✓ 3	Ulmus americana						•	•	•	•	•	•	•				
✓ 3	Pinus strobus													•	•		
✓ 3	Standing dead						•	•	•	•	•	•	•	•	•	•	
✓ 3	Toxicodendron radicans						•	•	•	•	•	•	•	•	•	•	
✓ 3	Acer Saccharum												•				
✓ 3	Pyrus sp.			•								•					
✓ 3	Acer rubrum										•	•					
✓ 3	Liriodendron tulipifera										•						
✓ 3	Fraxinus sp.			•							•						
✓ 4	Crataegus sp.						•	•	•	•	•	•	•	•	•	•	
✓ 4	Standing dead						•	•	•	•	•	•	•	•	•	•	

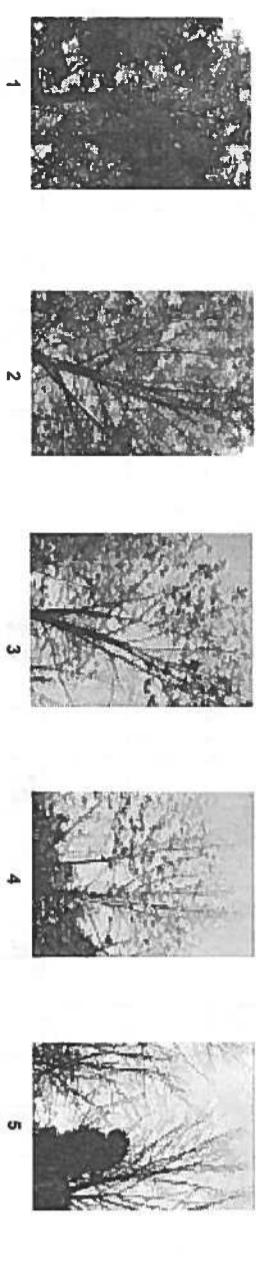
DBH Measurement Rules



Woody Stem Deer Browse

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

Record using the tally system from 1 to 10



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, 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

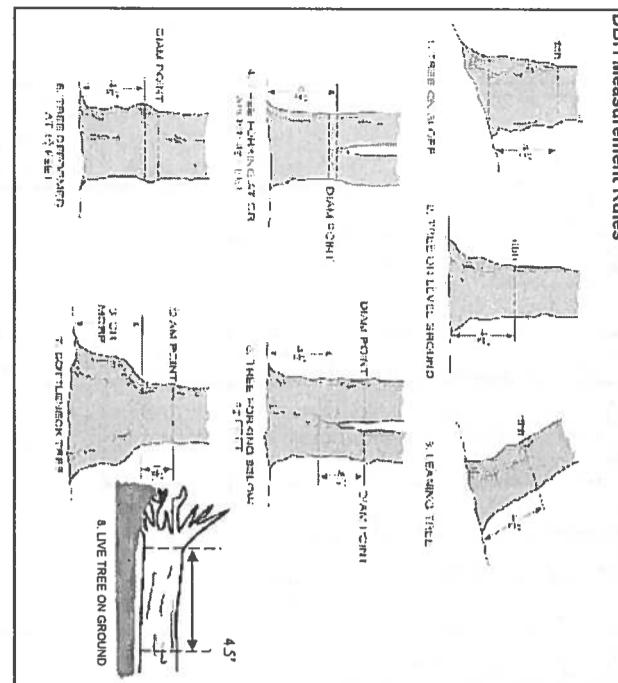
E

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: OIRe 2012			Plot No.: 3423			Page: 2 of 4									
Explain subsample (additional room on back):																		
mod #	species	c	voucher#	# stems 0-1.4m browsed	% sub or super sample	# shrub clumps	size class (cm) woody stems >1.4m											
							1 0- <1	2 1- <2.5	3 2.5- <5	4 5- <10	5 10 - <15	6 15 - <20	7 20 - <25	8 25 - <30	9 30 - <35	10 35 - <40	11 >40 (record each tree)	
✓ 4	<i>Ulmus americana</i>						0		*				0					
✓ 4	<i>Fraxinus</i> sp.			*				*						*				
✓ 4	<i>Acer rubrum</i>								*		*		*	*	*	*	*	41.6
✓ 4	<i>Liquidambar styraciflua</i>			*														
✓ 5	<i>Ulmus americana</i>							*	*									
✓ 5	<i>Crataegus</i> sp.						*	*	*	*	*	*	*					
✓ 5	Standing dead						*	*	*	*	*	*	*					
✓ 5	<i>Toxicodendron radicans</i>						*											
✓ 5	<i>Acer saccharum</i>						*	*	*									
✓ 5	<i>Acer rubrum</i>												*	*				
✓ 5	<i>Rhamnus frangula</i>			**														
✓ 5	<i>Liquidambar styraciflua</i>			*									*					
✓ 5	<i>Fraxinus</i> sp.						*	*					*					
✓ 6	<i>Acer rubrum</i>																	
✓ 6	<i>Crataegus</i> sp.						*	*	*	*	*	*	*	*				
✓ 6	<i>Fraxinus</i> sp.																	
✓ 6	Standing dead						**	**	□									
✓ 6	<i>Ulmus americana</i>																	
✓ 6	<i>Acer saccharum</i>									*								
✓ 6	<i>Liquidambar styraciflua</i>			*														
✓ 7	<i>Crataegus</i> sp.						*	*	*	*	*	*	*	*				
✓ 7	Standing dead						*	*	*	*	*	*	*					
✓ 7	<i>Acer rubrum</i>												*	*	*	*	*	
✓ 7	<i>Ulmus americana</i>						*						*	*				

כגנו | מילון קוריאני וטנג



မြန်မာ ဂျောက်

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

Woody Stem Deer Browse

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

Record using the tally system from 1 to 10

●

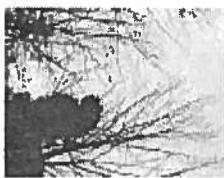


ASH CANOPY CONDITION

1. **Healthy, full canopy:** A healthy ash canopy is normally thinner than many other trees such as maple.
 2. **Thinning canopy:** There aren't 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



5

1

四

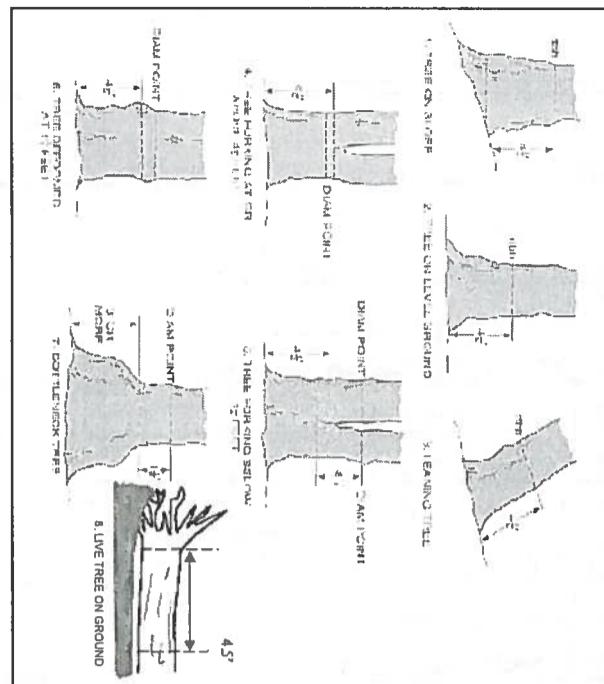
(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition)

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: Ol' Be 2012			Plot No.: 3423			Page: 3 of 4			Cleveland Metroparks						
Explain subsample (additional room on back):																		
mod #	species	c	voucher#	# stems 0-1.4m browsed	% sub or super sample	# shrub clumps	size class (cm) woody stems >1.4m	1	2	3	4	5	6	7	8	9	10	11
✓ 7	Fraxinus sp.			..														
✓ 6	Ligustrum vulgare			0														
✓ 8	Crataegus sp.						..	L	I	I	..							
✓ 8	Standing dead						I	I								
✓ 8	Acer rubrum																	
✓ 8	Ulmus americana																	
✓ 8	Fraxinus sp.			0..				0										
✓ 8	Acer saccharum																	
✓ 8	Ligustrum vulgare			0				0										
✓ 8	Lindera benzoin			0														
✓ 8	Lonicera morrowii			0				0										
✓ 9	Crataegus sp.						..	L							
✓ 9	Standing dead															
✓ 9	Ulmus americana																	
✓ 9	Acer rubrum																	
✓ 9	Acer saccharum							0										
✓ 9	Unk. dicot ^{Rhamnus} cathartica	X	ZSB168															
✓ 9	Fraxinus sp.			0														
✓ 10	Acer rubrum										0		0		0			
✓ 10	Crataegus sp.						0	0	0	0	0							
✓ 10	Standing dead						0	0	0	0	0							
✓ 10	Unk. dicot ^{Rhamnus} cathartica	X	ZSB168	0..			0	0	0	0	0							
✓ 10	Fraxinus sp.									0								
✓ 10	Toxicodendron radicans						0											

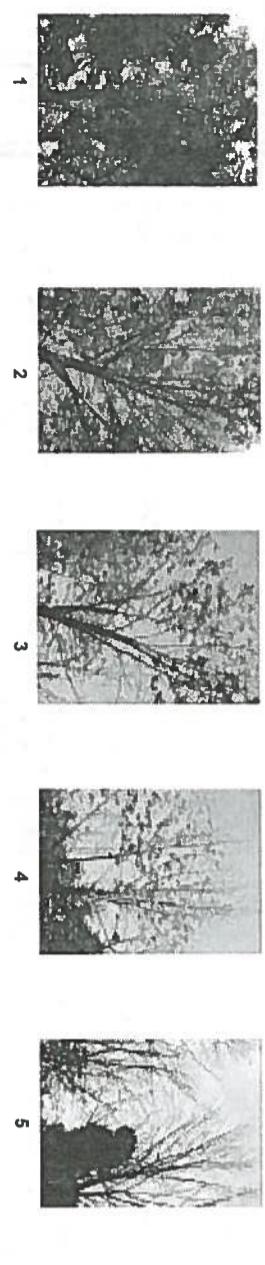
DBH Measurement Rules



Woody Stem Deer Browse

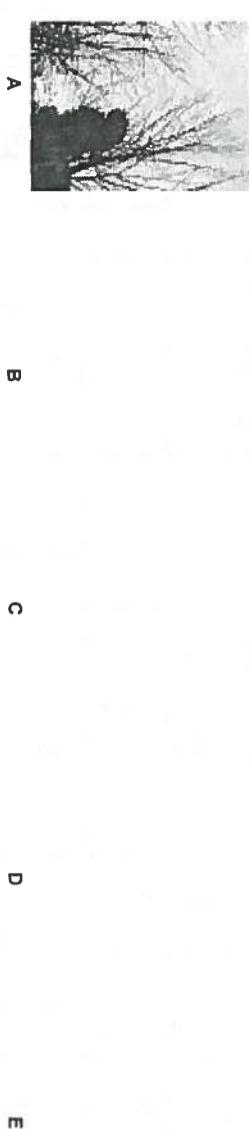
Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.

Record using the tally system from 1 to 10



ASH CANOPY CONDITION

1. **Healthy, full canopy:** A healthy ash canopy is normally thinner than many other trees such as maple.
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CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: 01 Be 2012

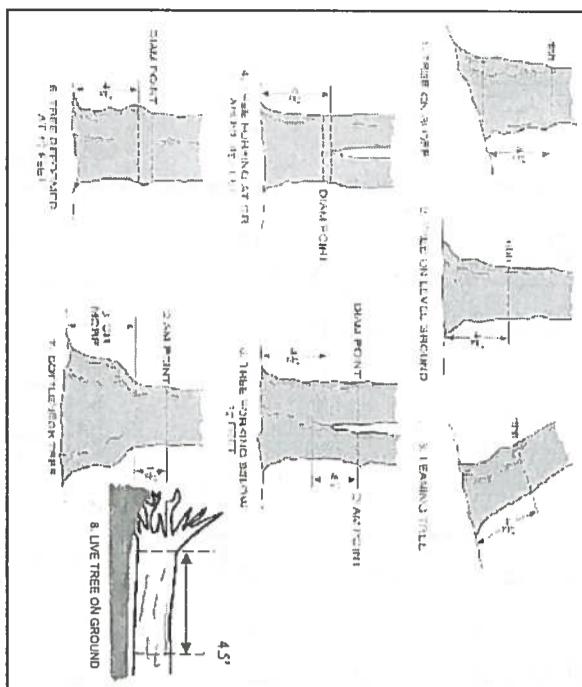
Plot No.: 3423

Page: 4 of 4



Explain subsample (additional room on back):

DBH Measurement Rules



Woody Stem Deer Browse

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

Record using the tally system from 1 to 10



ASH CANOPY CONDITION

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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.

COVER BY STRATA	
STRATUM	GENERAL FORM
Tree (generally >5 m)	Tree (overstory), very tall shrubs*, liana, epiphyte
Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, epiphyte
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Floating	Floating
Aquatic (submerged)	Submerged
	*Very tall shrubs are sometimes included in the tree stratum **Can also include seedlings of shrubs, i.e. all shrubs <0.5m ***Tree seedlings are often defined as up to 1.4 m height or as <2.5 cm DBH in which case they would span the herb and shrub layers.

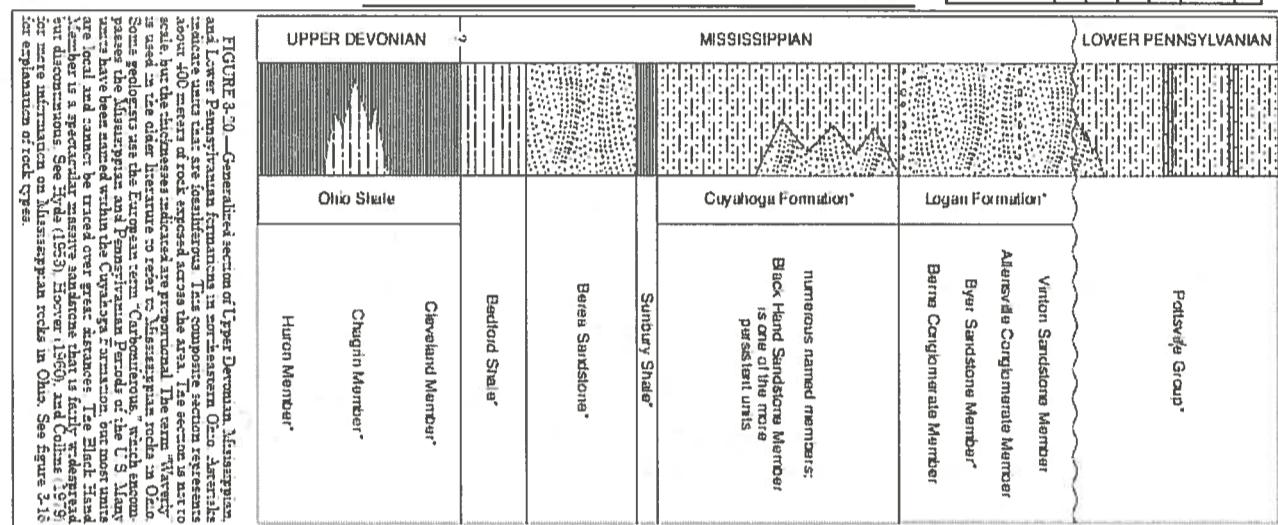
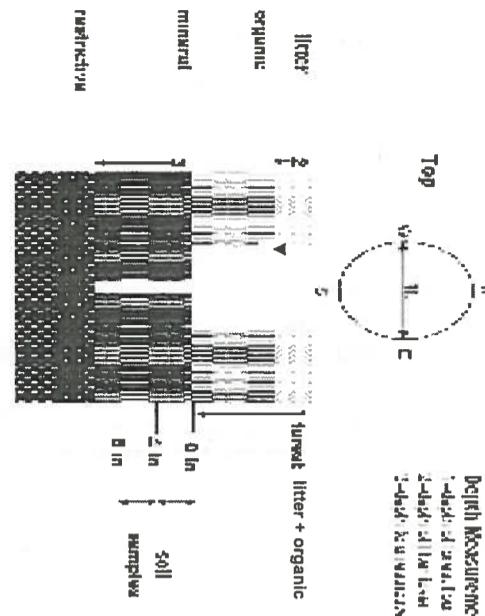


FIGURE 3-20.—Generalized section of Upper Devonian Mississippian and Lower Pennsylvanian formations in northwestern Ohio. Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The term "Waverly" is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the term "Carbunculus," which encompasses the Mississippian and Pennsylvanian Periods of the U.S. Many names have been coined within the Cuyahoga Formation, but most units are local and cannot be traced outside. The Black Hand Sandstone is a spectacular massive sandstone that is fairly widespread over discontinuous. See Hynd (1953), Hoover (1956), and Collins (1959) for more information on Mississippian rocks in Ohio. See figure 3-16 for explanation of rock types.

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

Soil pit module # 9 (one per entire plot)

5 cm	matrix color	7.2.57 3/2
	mottle color	n/a
	%mottle	0
	oxid roots	Y (N)
	texture*	1
	redox features**	Y (N)
	hydr cond.***	I S M (D)
20 cm	matrix color	7.2.54 4/2
	mottle color	n/a
	%mottle	0
	oxid roots	Y (N)
	texture*	1
	redox features**	Y (N)
	hydro cond.***	I S M (D)

* refer to texture classes on reverse side
 ** e.g. hydrogen sulfide odor, gleying, etc.
 *** Circle one
 I=undulated S=saturated M=moist D=dry
 Notes: include evidence of earthworms (worms, castings, middens)

Castings are present

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	composted	A
With Soil Survey Information		
Soil Series/Type:	MmB - Mahoning	Urban Land complex.
Soil Series Source:	Ohio Soil Survey	
Landform type:	Lake plains, Till Plains	
Depth to rest. Layer:	>80"	
Parent Material	Till	
Drainage		
<input type="checkbox"/> Excessively dr.	<input type="checkbox"/> Somewhat excessively	
<input type="checkbox"/> Well drained	<input type="checkbox"/> Moderately well dr.	
<input checked="" type="checkbox"/> Somewhat poorly dr.	<input type="checkbox"/> Very poorly dr.	
<input type="checkbox"/> Impermeable surface		

WSS UP 8/9/12

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

mod#	1 litter+ organic depth (cm)	2 litter depth (cm)	water depth (cm)	depth sat soil (cm)
2	0.2	0.2	0	>30
3	0.6	0.6	0	>30
8	0.4	0.8	0	>30
9	1.6	1.6	0	>30

EARTH SURFACE & GROUND COVER	
Underlying Earth Surface*	Ground Cover
(Sum = 100%)	percent (Each ≤ 100%)
Histsol	0 Coarse Woody Debris***
Mineral Soil	100 Fine Woody Debris****
Gravel-Cobble*	0 Litter
Boulder**	0 Duff (Ferm + Humus)
Bedrock	0 Bryophyte- Lichen
* Gravel-Cobble = 1/16-10"	Water
** Boulder = > 10 in	Bare Soil
*** >5 cm in diameter	Road/Trail
**** <5 cm in diameter	Other

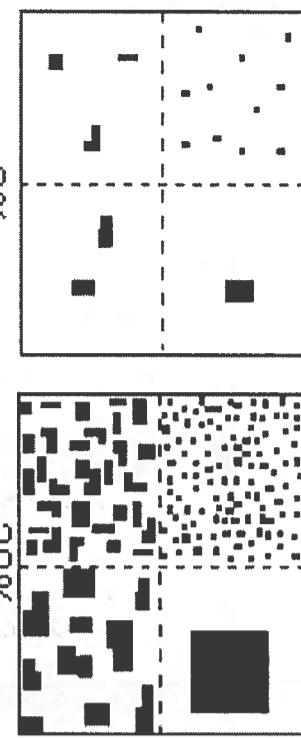
TRAIL INFORMATION:	
record type and cover for each	
Type	%Cover
<input type="checkbox"/> All Purpose	NA
<input type="checkbox"/> Bridle	NA
<input type="checkbox"/> Hiking sanctioned	NA
<input type="checkbox"/> Bootleg unsanctioned	NA
<input type="checkbox"/> Gravel	NA
<input type="checkbox"/> Deer	NA

COVER BY STRATA %		
estimate using midpoints of 5, ex: 3, 8, 13		
Strata	Height Range (m)	Total Cover (%)
Tree	5 - ∞	88
Shrub	0.5 - 5m	73
Herb	0 - 0.5	63
(Floating)*	N/A -	0
(Aquatic)*	N/A -	0
* rooted and floating or slightly emersed		
** submersed, most plant mass below surface		
SEE BACK OF PAGE FOR "TYPICAL" STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.		

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

PERCENT MOTTLES (USE CLASS CODES):

Class	Conv.	Code	NASS	Criteria: % of Surface Area Covered
Few	f			< 2
Common	C			2 to < 20
Many	m			≥ 20



2%

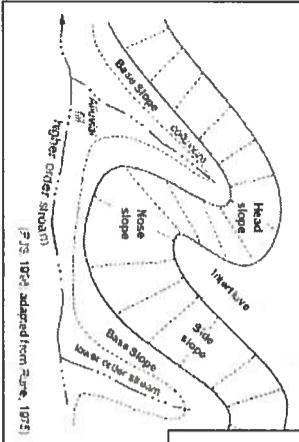
20%

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

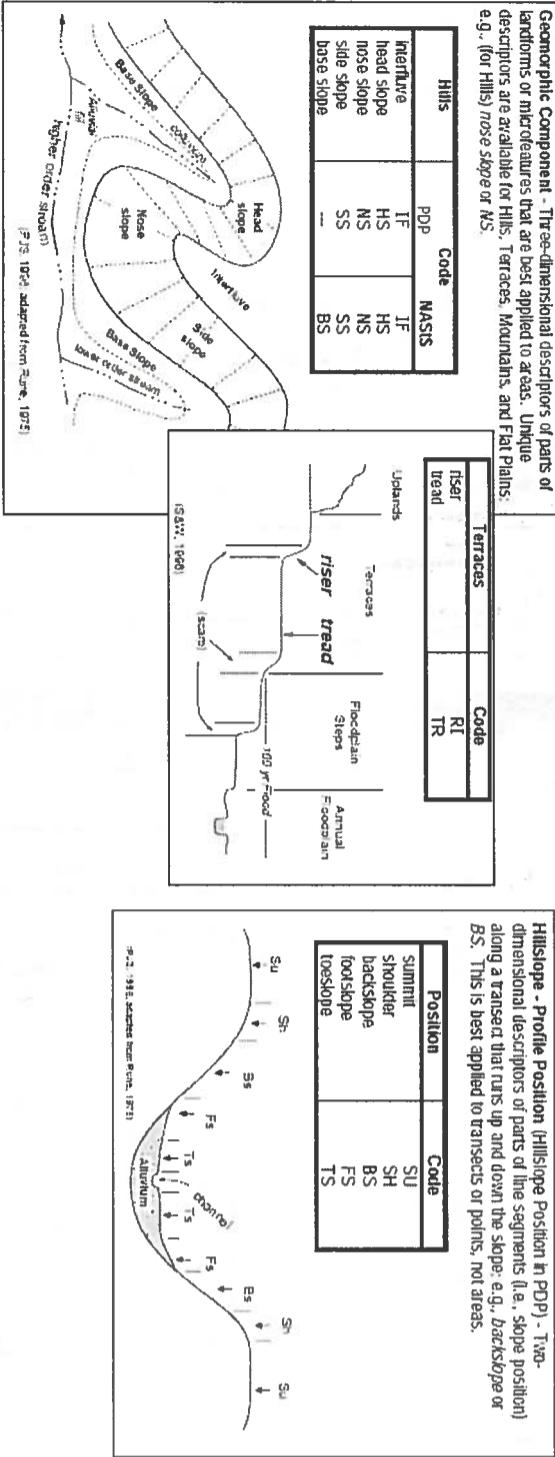
Hills - Profile Position (Hillslope Position in PDP): Three-dimensional descriptors of parts of line segments (i.e., slope position) along a transect that runs up and down the slope: e.g., backslope or BS. This is best applied to transects or points, not areas.

Hills	PDP	Code	NASS
Intertive	IF	IF	
head slope	HS	HS	
nose slope	NS	NS	
site slope	SS	SS	
base slope	BS	BS	

Hills	PDP	Code	NASS
riser	TR	TR	
tread	TR	TR	



(P-73 (P-73 adapted from Figure 1, 1975))



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

0= Organic

1= Loamy

2= Clayey

3= Sandy

4= Coarse Sand

9= Not measured - make plot note

HYDROLOGIC REGIME: Modified from Grossman et al 1998. (Frequency and duration of flooding.)

UPLAND: Not a wetland. Very rarely flooded.

INTERMITTENTLY SEASONALLY SATURATED: Dry at least once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season.

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

OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often characterizes floodplain upper terraces.

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil surface. Often characterizes floodplain levees and lower terraces. Equivalent to Cowardin's Temporary modifier.

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was developed for use in the arid West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's Intermittently Flooded modifier.

SEMI-PERMANENTLY FLOODED (exposed <1/year): Surface water persists throughout the growing season in most years. Land surface is normally saturated when water level drops below soil surface. Includes Cowardin's Intermittently Exposed and Semipermanently Flooded modifiers.

PERMANENTLY FLOODED: Water covers the land surface at all times of the year in all years. Equivalent to Cowardin's "permanently flooded".

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

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet										INTENSIVE MODULES ONLY		TREES ≥ 10CM ONLY		No Intensive Modules	
										Plot No.: 3423 Date: 8-18-12				Page: 1 of 2	
Module	Tree ID.	Species	Dead	c	Voucher #	DBH (cm)	Ht @ DBH	ASH Only				Baseline			
								Ash condition	*Dead condition	# Exit holes	Epicormic present		Woodpecker holes		
3	1	Fraxinus sp.				11.5	3	0	1	1					
	2														
	3														
	4														
	5														
	6														
	7														
	8														
	9														
	10														
	11														
	12														
	13														
	14														
	15														
	16														
	17														
	18														
	19														
	20														
	21														
	22														
	23														
	24														
	25														

* If Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m² x ≥1.5m
Woodpecker and epicormic marked present (1) or absent (0)

*** Change intensive module numbers when necessary

9	8	-
2	3	

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

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection/ Rapid response				Presence				GPS				
	NE	SE	SW	NE	SE	SW	NW		NE	SE	SW	NW
<i>Microstegium vimineum</i>												
<i>Ranunculus ficaria</i>												
<i>Cynanchum louiseae</i>												
<i>Butomus umbellatus</i>												
<i>Heracleum mantegazzianum</i>												

X: yes

of Plants

1: 1-10

2: 11-50.

3: 51-100

4: 101-1,000

5: >1,000

Site ID:	PCAPBe3423			Date:	08/02/2012			Reviewed by (initial):	
Location:				Buffer Natural Cover Strata					
OAA Center	ON	OS	OE	<input checked="" type="radio"/> W	Fill in bubble(s) if plot(s) could not be sampled and flag →	1			
				○ Plot 1	● Plot 2	● Plot 3			

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

Buffer Sample Plots
05/27/2011

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

Reviewed by (Initials): _____

Site ID: PCAPBe 3423 DATE: 08/02/2012

- 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	O	O	O		Purple Loosestrife	O	O	O		Johnson Grass	O	O	O	
Water hyacinth	O	O	O		Knotweed	O	O	O		Kudzu	O	O	O	
Yellow Floating Heart	O	O	O		Japanese Knotweed	O	O	O		Multiflora Rose	O	O	O	
Giant Salvinia	O	O	O		Perennial Pepperweed	O	O	O		Common Buckthorn	O	O	O	
Garlic Mustard	O	O	O		Giant Reed	O	O	O		Himalayan Blackberry	O	O	O	
Poison Hemlock	O	O	O		Cheagras	O	O	O		Tamarisk	O	O	O	
Mile-A-Minute Weed	O	O	O		Reed Canary Grass	O	O	O		Other:	O	O	O	
Birdsfoot Trefoil	O	O	O		Common Reed	O	O	O		Other:	O	O	O	
Canada Thistle	O	O	O		Leafy Spurge	O	O	O		Other:	O	O	O	
					Other:					Other:	O	O	O	

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):

 O AA CENTER O N3 O S3 O E3 O W3 ● Nearest practicable location (flag and comment below)Latitude North 41.37831Longitude West 081.50076

Use Decimal Degrees; NAD83

Flag
2

Flag

Comments

1 Visually sampled plot 1 which fell off part property on the adjacent 2 lane road.
2 Took point at edge of mowed area along road.

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP BC 3423

DATE: 10.31.2012

Location: AA Center ON OS OE OW

Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

Buffer Plot 1	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>		Buffer Plot 2	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>		Buffer Plot 3	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E		Absent: <input type="radio"/>	
	Leaf Type:	B (Broadleaf)	N (Needle Leaf)	Absent:		Leaf Type:	B (Broadleaf)	N (Needle Leaf)	Absent:		Leaf Type:	B (Broadleaf)	N (Needle Leaf)	Absent:
Big Trees (>0.3m DBH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Small Trees (<0.3m DBH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (0.5m-5m Height)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m Height)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m Height)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (<0.5m Height)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m Height)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m Height)	<input type="radio"/>	<input checked="" 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"/>	Herbs, Forbs and Grasses	<input type="radio"/>	<input checked="" 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"/>
Bare ground	<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"/>	Bare ground	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Litter, duff	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Litter, duff	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Litter, duff	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rock	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rock	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rock	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Water	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Water	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Submerged Vegetation	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Submerged Vegetation	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Submerged Vegetation	<input type="radio"/>	<input checked="" 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					
Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Road - two lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dike/Dam/Road/R Bed (IMPERMEABLE 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/Spill 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 (UNWANTED ATED)	<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/Roof Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Point Source Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Impervious Surface Input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Industrial Development Stressors

Habitat/Vegetation Stressors											
Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag				
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 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 > 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	<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"/>	Canopy (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.

Buffer Sample Plots 05/27/2011

2428168304

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: SCA08e3423

Location:

N

S

E

W

DATE: 0. 8 / 0. 2 / 2013

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

Buffer Plot 1	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E <input type="radio"/> Absent: <input checked="" type="radio"/>			Flag	Buffer Plot 2	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E <input type="radio"/> Absent: <input type="radio"/>			Flag	Buffer Plot 3	Canopy Type: <input type="radio"/> D <input checked="" type="radio"/> E <input type="radio"/> Absent: <input type="radio"/>			Flag	
	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N			Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N			Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N	Leaf Type: <input type="radio"/> B <input checked="" type="radio"/> N		
Big Trees (>0.3m DBH)	<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 checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Small Trees (<0.3m DBH)	<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 checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (0.5m-5m Ht/SH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m Ht/SH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m Ht/SH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (<0.5m Ht/SH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m Ht/SH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m Ht/SH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Herbs, Forns and Grasses	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbs, Forns and Grasses	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbs, Forns and Grasses	<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 type="radio"/>	Bare ground	<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"/>
Litter, duff	<input type="radio"/>	<input checked="" 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"/>	Litter, duff	<input type="radio"/>	<input checked="" 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"/>	Rock	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rock	<input type="radio"/>	<input checked="" 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"/>	Water	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Water	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Submerged Vegetation	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Submerged Vegetation	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Submerged Vegetation	<input type="radio"/>	<input checked="" 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		
Fill bubble if present - Plot 1, 2, 3 Flag			Fill bubble if present - Plot 1, 2, 3 Flag			Fill bubble if present - Plot 1, 2, 3 Flag		
Road - gravel	<input type="radio"/>	<input checked="" type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input checked="" type="radio"/>	Pasture/Hay	<input type="radio"/>	<input checked="" type="radio"/>
Road - two lane	<input type="radio"/>	<input checked="" type="radio"/>	Dike/Dam/Road/RR Bed (IMPERMEABLE FLOW)	<input type="radio"/>	<input checked="" type="radio"/>	Range	<input type="radio"/>	<input checked="" type="radio"/>
Road - four lane	<input type="radio"/>	<input checked="" type="radio"/>	Water Level Control Structure	<input type="radio"/>	<input checked="" type="radio"/>	Row Crops	<input type="radio"/>	<input checked="" type="radio"/>
Parking Lot/Pavement	<input type="radio"/>	<input checked="" type="radio"/>	Excavation, Dredging	<input type="radio"/>	<input checked="" type="radio"/>	Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/>	<input checked="" type="radio"/>
Golf Course	<input type="radio"/>	<input checked="" type="radio"/>	Fill/Spoil Banks	<input type="radio"/>	<input checked="" type="radio"/>	Fallow Field (OLD-GRASS SHRUBS, TREES)	<input type="radio"/>	<input checked="" type="radio"/>
Lawn/Park	<input type="radio"/>	<input checked="" type="radio"/>	Freshly Deposited Sediment (UNLEVELLED)	<input type="radio"/>	<input checked="" type="radio"/>	Nursery	<input type="radio"/>	<input checked="" type="radio"/>
Suburban Residential	<input type="radio"/>	<input checked="" type="radio"/>	Soil Loss/Root Exposure	<input type="radio"/>	<input checked="" type="radio"/>	Dairy	<input type="radio"/>	<input checked="" type="radio"/>
Urban/Multifamily	<input type="radio"/>	<input checked="" type="radio"/>	Wall/Riprap	<input type="radio"/>	<input checked="" type="radio"/>	Orchard	<input type="radio"/>	<input checked="" type="radio"/>
Landfill	<input type="radio"/>	<input checked="" type="radio"/>	Inlets, Outlets	<input type="radio"/>	<input checked="" type="radio"/>	Confined Animal Feeding	<input type="radio"/>	<input checked="" type="radio"/>
Dumping	<input type="radio"/>	<input checked="" type="radio"/>	Point Source/Pipe (EFFLUENT OR STORED WATER IMPERVIOUS SURFACE INPUT (SHEETFLOW))	<input type="radio"/>	<input checked="" type="radio"/>	Rural Residential	<input type="radio"/>	<input checked="" type="radio"/>
Trash	<input type="radio"/>	<input checked="" type="radio"/>	Other:	<input type="radio"/>	<input checked="" type="radio"/>	Gravel Pit	<input type="radio"/>	<input checked="" type="radio"/>
Other:	<input type="radio"/>	<input checked="" type="radio"/>	Other:	<input type="radio"/>	<input checked="" type="radio"/>	Irrigation	<input type="radio"/>	<input checked="" type="radio"/>
Other:	<input type="radio"/>	<input checked="" type="radio"/>	Other:	<input type="radio"/>	<input checked="" type="radio"/>	Other:	<input type="radio"/>	<input checked="" type="radio"/>

Industrial Development Stressors

Habitat/Vegetation Stressors					
Fill bubble if present - Plot 1, 2, 3 Flag					
Oil Drilling	<input type="radio"/>	<input checked="" type="radio"/>	Forest Clear Cut	<input type="radio"/>	<input checked="" type="radio"/>
Gas Wells	<input type="radio"/>	<input checked="" type="radio"/>	Forest Selective Cut	<input type="radio"/>	<input checked="" type="radio"/>
Mine (surface)	<input type="radio"/>	<input checked="" type="radio"/>	Tree Plantation	<input type="radio"/>	<input checked="" type="radio"/>
Mine (underground)	<input type="radio"/>	<input checked="" type="radio"/>	Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input checked="" type="radio"/>
Military	<input type="radio"/>	<input checked="" type="radio"/>	Shrub Layer Brownsed (WILDLIFE DOMESTIC)	<input type="radio"/>	<input checked="" type="radio"/>
Other:	<input type="radio"/>	<input checked="" type="radio"/>	Highly Grazed Grasses (OVERALL HIGH)	<input type="radio"/>	<input checked="" type="radio"/>
Other:	<input type="radio"/>	<input checked="" type="radio"/>	Recently Burned Forest	<input type="radio"/>	<input checked="" type="radio"/>
Other:	<input type="radio"/>	<input checked="" type="radio"/>	Canopy Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input checked="" type="radio"/>

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

Buffer Sample Plots

05/27/2011

2428168304

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

Reviewed by (Initials): _____

Site ID: PLAP Be 3423 DATE: 6.8 / 0.2 / 20.1.2

- 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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Johnson Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Water hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Kudzu	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Yellow Floating Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Multiflora Rose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Giant Salvinia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Perennial Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Common Buckthorn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Garlic Mustard	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Himalayan Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Cheatgrass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Tamarisk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mile-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Reed Canary Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Birdsfoot Trefoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Leafy Spurge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

Latitude North 4.1.3.1.9.1.Longitude West 0.8.1.5.0.0.3.1.

Use Decimal Degrees; NAD83

Flag

Comments

- 1 The plot falls in Hawthorne Parkway.
- 2 There are wood chips covering the ground of this plot.

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (Initial): _____

Site ID: PCAP Bc 34 23

Location: AA Center ON OS E OW

Plot 1 Plot 2 Plot 3

DATE: 0.8 / 0.2 / 20.0.1.7

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

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

Residential and Urban Stressors			Hydrology Stressors			Agricultural & Rural Stressors					
Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag
Road - gravel	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Ditches, Channelization	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Pasture/Hay	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Road - two lane	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Dike/Dam/Road/RR Bed (IMPERMEABLE FLOW)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Range	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Road - four lane	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Water Level Control Structure	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Row Crops	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Parking Lot/Pavement	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Excavation, Dredging	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Golf Course	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Spill Banks	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Lawn/Park	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Nursery	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Suburban Residential	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Soil Loss/Root Exposure	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Dairy	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Urban/Multifamily	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Wall/Riprap	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Orchard	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Landfill	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Inlets, Outlets	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Confined Animal Feeding	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Dumping	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Point Source/Pipe (EFFLUENT OR STORMWATER) Impervious surface input (SHEETFLOW)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Rural Residential	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Trash	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Other:	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Gravel Pit	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Other:	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Other:	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Irrigation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Other:	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Other:	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Other:	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill

Industrial Development Stressors

Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag

Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag
Oil Drilling	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Forest Clear Cut	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Herbicide Use	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Gas Wells	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Forest Selective Cut	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Mowing/Shrub Cutting	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill
Mine (Surface)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4		Fill	Tree Plantation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4</td						

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

Reviewed by (Initial): _____

Site ID: PLAPB3432

DATE: 0.8/10.2/2011

● 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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Johnson Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Water Hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Kudzu	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Yellow Floating Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Multiflora Rose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Giant Salvinia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Perennial Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Common Buckthorn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Garlic Mustard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Himalayan Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Cheatgrass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Tamarisk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mile-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Reed Canary Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Birdsfoot Trefoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Leafy Spurge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
										Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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 E3 W3 Nearest practicable location (flag and comment below)

Flag

Latitude North 41.3783 Longitude West -119.83
Use Decimal Degrees; NAD83

Comments

Tall meadowy area off of mowed area by road. (plots 2 and 3)

<input type="checkbox"/>	Buffer Sample Points - Targeted Alien Species
<input type="checkbox"/>	05/27/2011
<input type="checkbox"/>	7966623548

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (Initials): _____

Site ID: PCAPB3e3423

DATE: 0.8/0.2/20.12

Location: ● Plot 1 ● Plot 2 ● Plot 3

OAA Center O N S C E O W

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"/>	Flag		
									Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N
Big Trees (>0.3m DBH)	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Big Trees (>0.3m DBH)	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Small Trees (<0.3m DBH)	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Small Trees (<0.3m DBH)	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (0.5m-5m Ht/Gt)	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m Ht/Gt)	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Woody Shrubs, Saplings (<0.5m Ht/Gt)	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m Ht/Gt)	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Herbs, Forbs and Grasses	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Herbs, Forbs and Grasses	<input checked="" 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 checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Bare ground	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Litter, duff	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Litter, duff	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rock	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Rock	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Water	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Submerged Vegetation	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Submerged Vegetation	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" 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		
Fill bubble if present - Plot 1 2 3 Flag			Fill bubble if present - Plot 1 2 3 Flag			Fill bubble if present - Plot 1 2 3 Flag		
Road - gravel	<input checked="" type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input checked="" type="radio"/>	<input type="radio"/>	Pasture/Hay	<input checked="" type="radio"/>	<input type="radio"/>
Road - two lane	<input checked="" type="radio"/>	<input type="radio"/>	Dike/Dam/Road/R Bed (IMPERMEABLE FLOW)	<input checked="" type="radio"/>	<input type="radio"/>	Range	<input checked="" type="radio"/>	<input type="radio"/>
Road - four lane	<input checked="" type="radio"/>	<input type="radio"/>	Water Level Control Structure	<input checked="" type="radio"/>	<input type="radio"/>	Row Crops	<input checked="" type="radio"/>	<input type="radio"/>
Parking Lot/Pavement	<input checked="" type="radio"/>	<input type="radio"/>	Excavation, Dredging	<input checked="" type="radio"/>	<input type="radio"/>	Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input checked="" type="radio"/>	<input type="radio"/>
Golf Course	<input checked="" type="radio"/>	<input type="radio"/>	Fill/Soil Banks	<input checked="" type="radio"/>	<input type="radio"/>	Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input checked="" type="radio"/>	<input type="radio"/>
Lawn/Park	<input checked="" type="radio"/>	<input type="radio"/>	Freshly Deposited Sediment (UNWATERFED)	<input checked="" type="radio"/>	<input type="radio"/>	Nursery	<input checked="" type="radio"/>	<input type="radio"/>
Suburban Residential	<input checked="" type="radio"/>	<input type="radio"/>	Soil Loss/Roof Exposure	<input checked="" type="radio"/>	<input type="radio"/>	Dairy	<input checked="" type="radio"/>	<input type="radio"/>
Urban/Multifamily	<input checked="" type="radio"/>	<input type="radio"/>	Wall/Riprap	<input checked="" type="radio"/>	<input type="radio"/>	Orchard	<input checked="" type="radio"/>	<input type="radio"/>
Landfill	<input checked="" type="radio"/>	<input type="radio"/>	Inlets, Outlets	<input checked="" type="radio"/>	<input type="radio"/>	Confined Animal Feeding	<input checked="" type="radio"/>	<input type="radio"/>
Dumping	<input checked="" type="radio"/>	<input type="radio"/>	Point Source/Pipe (EFFLUENT OR STORMWATER IMPERVIOUS SURFACE INPUT (SHEETFLOW))	<input checked="" type="radio"/>	<input type="radio"/>	Rural Residential	<input checked="" type="radio"/>	<input type="radio"/>
Trash	<input checked="" type="radio"/>	<input type="radio"/>	Gravel Pit	<input checked="" type="radio"/>	<input type="radio"/>	Irrigation	<input checked="" type="radio"/>	<input type="radio"/>
Other:	<input checked="" type="radio"/>	<input type="radio"/>	Other:	<input checked="" type="radio"/>	<input type="radio"/>	Other:	<input checked="" type="radio"/>	<input type="radio"/>
Other:	<input checked="" type="radio"/>	<input type="radio"/>	Other:	<input checked="" type="radio"/>	<input type="radio"/>	Other:	<input checked="" type="radio"/>	<input type="radio"/>

Industrial Development Stressors

Habitat/Vegetation Stressors		
Fill bubble if present - Plot 1 2 3 Flag		
Oil Drilling	<input checked="" type="radio"/>	<input type="radio"/>
Gas Wells	<input checked="" type="radio"/>	<input type="radio"/>
Mine (surface)	<input checked="" type="radio"/>	<input type="radio"/>
Mine (underground)	<input checked="" type="radio"/>	<input type="radio"/>
Military	<input checked="" type="radio"/>	<input type="radio"/>
Other:	<input checked="" type="radio"/>	<input type="radio"/>
Other:	<input checked="" type="radio"/>	<input type="radio"/>
Other:	<input checked="" type="radio"/>	<input type="radio"/>

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

Buffer Sample Plots

05/27/2011

2428168304

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

Reviewed by (Initial): _____

Site ID: PCAPB 3423

DATE: 0.8.10.21.20.12

● 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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Johnson Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Water Hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Kudzu	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Yellow Floating Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Multiflora Rose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Giant Salvinia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Perennial Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Common Buckthorn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Garlic Mustard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Himalayan Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Cheatgrass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Tamarisk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mile-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Reed Canary Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Birdsfoot Trefoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Leafy Spurge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
										Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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
2

Latitude North 41° 37' 8.16" Longitude West 081° 50' 02.1"

Use Decimal Degrees; NAD83

Flag	Comments
<input checked="" type="checkbox"/>	Property boundary
<input type="checkbox"/>	Took GPS point at property boundary right alongside the 2 lane road/residential development