

CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form

 Cleveland Metroparks

Project Label:

PCAP

Plot No:

1124

Date Sampled: 6-23-2011 Lead: Eisenbach

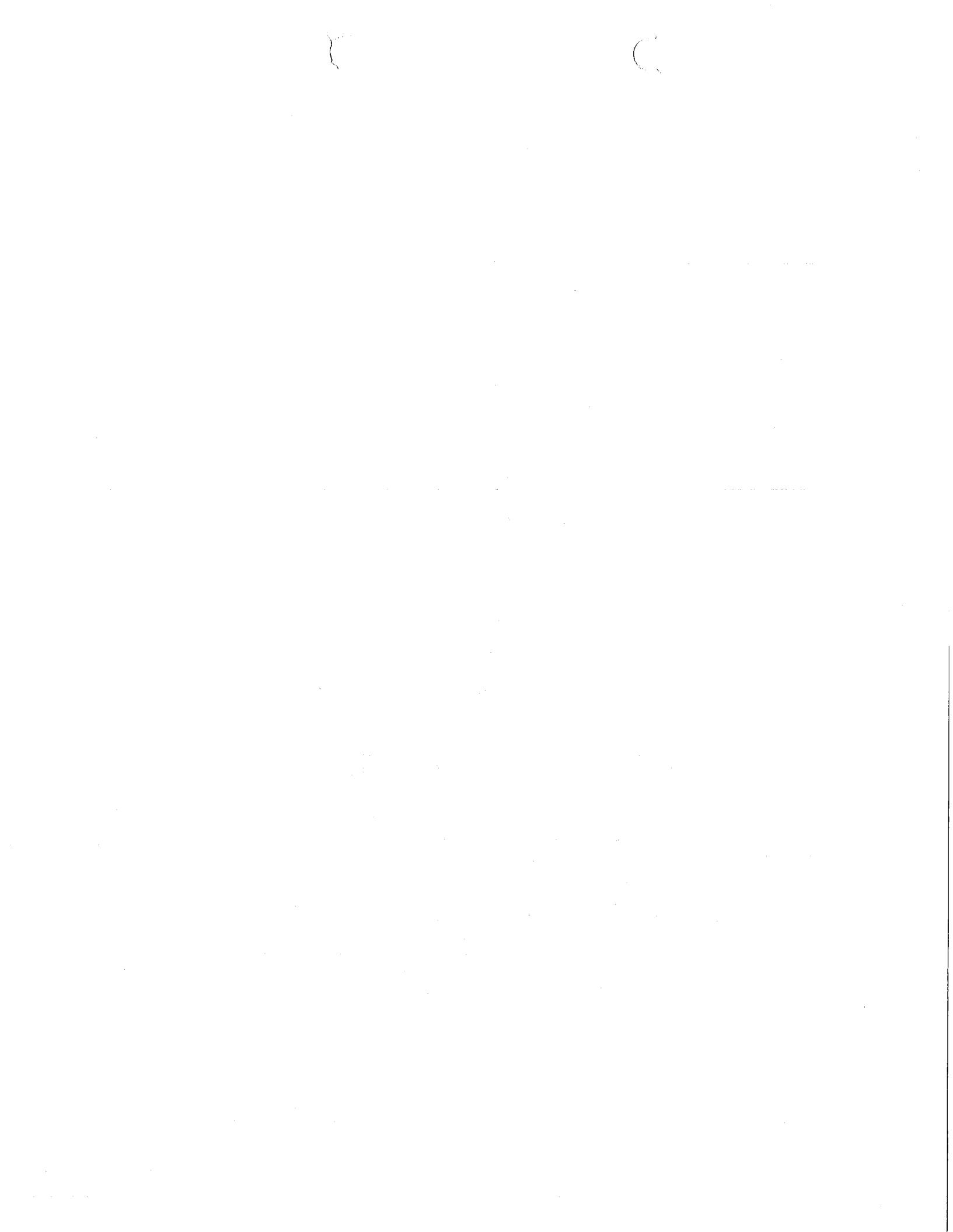
Comment required if item answer is NO

Parking/Access outside of Park Boundaries.	Y <input checked="" type="checkbox"/>	If yes, write details in Comments section below
Field journals completed	Y <input type="checkbox"/>	
Site sketch made on 1:3000 map?	Y <input checked="" type="checkbox"/>	
Check cover page	X-axis Bearing of plot recorded	<input checked="" type="checkbox"/> N
	GPS coords. Recorded	<input checked="" type="checkbox"/> N
	North direction recorded	<input checked="" type="checkbox"/> N
	Photographs taken?	<input checked="" type="checkbox"/> N
Plot No., Date agreement on all pages?	<input checked="" type="checkbox"/> Y	N
Header data completed all pages?	<input checked="" type="checkbox"/> Y	N
Cover classes recorded in all Intensive modules	<input checked="" type="checkbox"/> Y	N
Browse Level By Species	<input checked="" type="checkbox"/> Y	N
Woody stem quality control check	<input checked="" type="checkbox"/> Y	N
Invasive plant quality control check	<input checked="" type="checkbox"/> Y	N
Ash trees mapped	<input checked="" type="checkbox"/> Y	N
Cover by Strata? (confirm cover type)	<input checked="" type="checkbox"/> Y	N
Soil samples collected with matching plot #.	<input checked="" type="checkbox"/> Y	N
Vouchers labeled on datasheet with initials and number	<input checked="" type="checkbox"/> Y	N
Vouchers labeled on collection bag	<input checked="" type="checkbox"/> Y	N
Pink flags removed	<input checked="" type="checkbox"/> Y	N
Data sheet QA before leaving site?	<input checked="" type="checkbox"/> Y	N
Common equipment returned to tub.	<input checked="" type="checkbox"/> Y	N
Data sheets scanned?	6/24/11 Enter date to left	
Final data sheets scanned?	Enter date to left	
Buffer Widths measured?	<input checked="" type="checkbox"/> Y	N
Web Soil Survey	<input checked="" type="checkbox"/> Y	N
Voucher Location	Refrigerator	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
(# vouchers collected)	Press (#)	Enter number to left
	Drier	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
	Identified	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
	Mounted	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
	Thrown away	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>

GRTS point verification: Is plot sampleable?

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

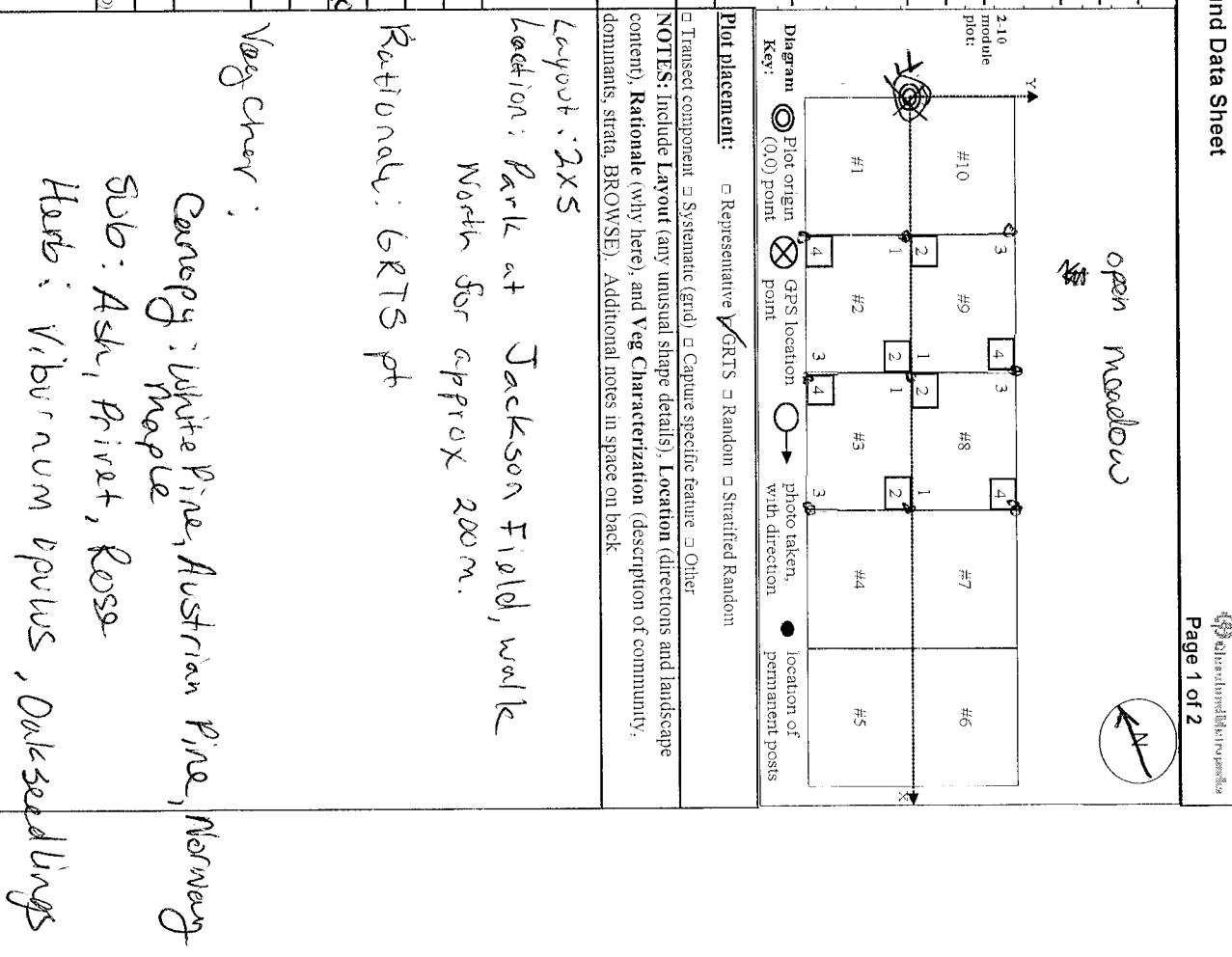
Additional Comments:



CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2


GENERAL INFORMATION																					
Project Label: PCAP Project Name: Ol's Cl'c'n Plot Name: You can look but you can't touch																					
Plot No.: 1124 <input type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled)																					
Date (mm/dd/yyyy): 6/23/2011 End date (if > 1 day): / /																					
Party Plot leader: S. Fussner Role**: Site Ass't																					
<small>** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.</small> PLOT NOT SAMPLED: <input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety																					
SAMPLING QUALITY* Effort Level: <input checked="" type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurried																					
TAXONOMIC ACCURACY <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">high</td> <td style="text-align: center;">moder.</td> <td style="text-align: center;">low</td> <td style="text-align: center;">not simpl.</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;">vascul.</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;">na</td> </tr> <tr> <td style="text-align: center;">bryo</td> <td style="text-align: center;"></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;">lichen</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>		high	moder.	low	not simpl.	<input checked="" type="checkbox"/>				vascul.			na	bryo		<input checked="" type="checkbox"/>		lichen			<input checked="" type="checkbox"/>
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lichen			<input checked="" type="checkbox"/>																		
TAXONOMIC STANDARD Authority: G&C Pub Date: 1998																					
<small>Minimum required fields in Bold and Underlined</small>																					
<small>*Definitions and values in CML PCAP FORM v. 1.0 and CVS Field Guide</small>																					

LOCATION	
State: OH County/City: Cuyahoga Falls	
Quadrangle: Chagrin Falls Local Place Names: Jackson Field	
Landowner: CM X-axis Bearing of plot: [315]°	
Data Confidentiality: <small>Check one: <input checked="" type="checkbox"/> Public data <input type="checkbox"/> Private Data</small>	
<small><input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m</small>	
Reason: <small>If data not public why?</small>	
Source of coordinates <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS	
<small>GPS location in plot x=0 to 5, y=-1,0,+1): x = 0 y = 0 (base of plot x=0, y=0)</small>	
Coordinate system: <input type="checkbox"/> Lat/long <input checked="" type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input type="checkbox"/> deg <input type="checkbox"/> deg minn <input type="checkbox"/> Other (specify) <input checked="" type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/>	
Datum: <input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27	
Latitude: 41.43468 Longitude: 81.41744 Coord. Accuracy: <input checked="" type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/> + - 20	
GPS File Name: 1124_A	
Plot size for cover data: _____ (hectares)	
<small><input type="checkbox"/> Stems not sampled on this plot <input type="checkbox"/> Stems absent</small>	
Stems present <input type="checkbox"/> Plot size stems: 0.1 (ha)	
Depth: (1-5): <input checked="" type="checkbox"/> 4	
Intensive modules: 2, 3, 8, 9 <small>(EDIT IF MODIFIED)</small>	
Camera No.: 2 Photo Nos.: 989	
	
OVER	

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label:

Project Name: Q1

Plot No.: 1124

Page 2 of 2

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet																																																																																																																					
Project Label: PCAP		Project Name: Q18C2011		Plot No.: 1124	Page 2 of 2																																																																																																																
<p>CLASSIFICATION</p> <p>(FIT = excellent, good, fair, poor; CONF = high, med, low)</p> <table border="1"> <tr> <td colspan="2">STAND SIZE</td> <td colspan="4">DISTURBANCES</td> </tr> <tr> <td colspan="2"></td> <td>type*</td> <td>severity**</td> <td>yrs ago</td> <td>% of plot</td> <td>description</td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> Human</td> <td><input type="checkbox"/> M</td> <td><input checked="" type="checkbox"/> 10</td> <td><input type="checkbox"/> 10</td> <td><i>trash, planted trees</i></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> Natural</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> Fire</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> Cut</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> >1,000 x plot size</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> 10-100 x plot size</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> 3-10 x plot size</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> 1-3 x plot size</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> Animal</td> <td><input checked="" type="checkbox"/> H</td> <td><input type="checkbox"/> O</td> <td><input type="checkbox"/> 100</td> <td><i>Bear Browse</i></td> </tr> <tr> <td colspan="2"></td> <td><input type="checkbox"/> Other</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td colspan="4"></td> <td><i>**L=low, M=med low, M=med, MH=med high, H=high, VH=very high</i></td> </tr> </table> <p>Hydrogeomorphic class (WETLANDS ONLY):</p> <table border="1"> <tr> <td><input type="checkbox"/> DEPRESSION</td> <td>Fit= _____ Conf= _____</td> </tr> <tr> <td><input type="checkbox"/> IMPOUNDMENT</td> <td>Fit= _____ Conf= _____</td> </tr> <tr> <td><input type="checkbox"/> RIVERINE</td> <td>Fit= _____ Conf= _____</td> </tr> <tr> <td><input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope)</td> <td>Fit= _____ Conf= _____</td> </tr> <tr> <td><input type="checkbox"/> FRINGING</td> <td>Fit= _____ Conf= _____</td> </tr> <tr> <td><input type="checkbox"/> COASTAL (specify subclass)</td> <td>Fit= _____ Conf= _____</td> </tr> <tr> <td><input type="checkbox"/> BOG (strongly, moderately, weekly ombrotrophic)</td> <td>Fit= _____ Conf= _____</td> </tr> </table> <p>Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):</p> <table border="1"> <tr> <td><input type="checkbox"/> FOREST</td> <td>Fit= _____ Conf= _____</td> </tr> <tr> <td><input type="checkbox"/> EMERGENT</td> <td>Fit= _____ Conf= _____</td> </tr> <tr> <td><input type="checkbox"/> SHRUB</td> <td>Fit= _____ Conf= _____</td> </tr> </table> <p>MODIFIED NATURERESERVE CLASS*</p> <table border="1"> <tr> <td><input type="checkbox"/> FOREST</td> <td>Fit= <input checked="" type="checkbox"/> Conf= <input type="checkbox"/></td> </tr> </table> <p>CODE (on separate form): <input type="radio"/></p> <p>COMMUNITY NAME: <i>Mixed Forest</i></p> <p>STAND SIZE</p> <p>DISTURBANCES</p> <p>SALINITY*</p> <p>HYDROLOGIC REGIME*</p> <p>Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)</p> <p>HOMOGENEITY</p> <p><input checked="" type="checkbox"/> Homogeneous</p> <p><input type="checkbox"/> Compositional trend across the plot</p> <p><input type="checkbox"/> Conspicuous inclusions</p> <p><input type="checkbox"/> Irregular/pattern mosaic</p> <p><i>Plot is along Chagrin River road. It appears to have been planted with Austrian Pine White Pine and Norway Maple. A lot of invasives indicated that the area was disturbed.</i></p> <p><i>Modus 2 and 4 are in a relatively open area so many more species are present. The rest of the plot is older forest canopy. Browse level is high and definitely been present in past years</i></p>						STAND SIZE		DISTURBANCES						type*	severity**	yrs ago	% of plot	description			<input type="checkbox"/> Human	<input type="checkbox"/> M	<input checked="" type="checkbox"/> 10	<input type="checkbox"/> 10	<i>trash, planted trees</i>			<input type="checkbox"/> Natural							<input type="checkbox"/> Fire							<input type="checkbox"/> Cut							<input type="checkbox"/> >1,000 x plot size							<input type="checkbox"/> 10-100 x plot size							<input type="checkbox"/> 3-10 x plot size							<input type="checkbox"/> 1-3 x plot size							<input type="checkbox"/> Animal	<input checked="" type="checkbox"/> H	<input type="checkbox"/> O	<input type="checkbox"/> 100	<i>Bear Browse</i>			<input type="checkbox"/> Other											<i>**L=low, M=med low, M=med, MH=med high, H=high, VH=very high</i>	<input type="checkbox"/> DEPRESSION	Fit= _____ Conf= _____	<input type="checkbox"/> IMPOUNDMENT	Fit= _____ Conf= _____	<input type="checkbox"/> RIVERINE	Fit= _____ Conf= _____	<input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope)	Fit= _____ Conf= _____	<input type="checkbox"/> FRINGING	Fit= _____ Conf= _____	<input type="checkbox"/> COASTAL (specify subclass)	Fit= _____ Conf= _____	<input type="checkbox"/> BOG (strongly, moderately, weekly ombrotrophic)	Fit= _____ Conf= _____	<input type="checkbox"/> FOREST	Fit= _____ Conf= _____	<input type="checkbox"/> EMERGENT	Fit= _____ Conf= _____	<input type="checkbox"/> SHRUB	Fit= _____ Conf= _____	<input type="checkbox"/> FOREST	Fit= <input checked="" type="checkbox"/> Conf= <input type="checkbox"/>
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CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Project Label: PCAP

Total modules: 10

Visual est. % open water entire site: 0

Project name: OJSC201 Plot no.: 1124

Intensive modules: 4 Plot configuration: 2X5

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

Plot area (ha): 0.1

Visual est. % invasives entire site: 25%



Cleveland
Metroparks

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

Estimate for each intensive module:	mod	corner																
	depth	cov																
%unvegetated open water	1	0		1	0		1	0		1	0		1	0		1	0	
%unveg. ground (bare soil)	1	1		1	1		1	2		1	2		1	2		1	2	
%unveg. litter (bare litter)	1	0		1	6		1	8		1	2		1	2		1	2	

Strata - Cov. entire plot

T	S	H	(F)	Br	Species	C	Voucher #	depth	cov	depth								
5	2			8	Rosa multiflora	4	4	4	4	3	2	8	4	8	2	9	4	9
6					Lysimachia nummularia	4	5	3	2	2						2	R	R
2					Plantago lanceolata	4	2											
7	1			10	Aster lateriflorus	4	6	3	2	2	3	1	1	2	3	4	1	
6					Quercus rubra	4	6	3	4	8	4	4	8	4	4	8	2	+
7	1				Apocynum cannabinum	4												
6					Juncus tenuis	3	6	2	4	2					1	3		
7					Quercus serrulata	3	6	2	4	2					1	3		
5	-2				Liriodendron tulipifera	3	2											
5-4					8 Malus sp	3	5	2	3	2	3	2	2	3	2	2	2	-
4					Ranunculus acris	3	4	3	2	2	3	2	2	2	2	2	2	-
2	2				Fragaria sp	3	2	3	4	2	1	4	4	1	2			
2	2				Anthonoxanthus gracilior	4	3	3	2	3	2	2	2	2	2	2	2	-
1					Verbascum blattaria	5 (at 7-1-1)	3	1										
6	1				Pinus strobus	2	5	1	5									
6	1				Fraxinus seedling	2	3	2	4	3	3	3	3	4	5	+		
2	2				Fraxinus obliqua	2	1											
2	4				Dactylis glomerata	2	2	2	2	2	1	1	2	2	2	2	2	-
1	6				Ailanthus altissima	1	3											
4	6				Toxicodendron radicans	4	6	3	7	4								
3	1				Honcoba Morowii	2	2											
6	5				Fraxinus americana	3	5	4	5									
1	4				Viburnum opulus	4	2	2	3	4	4	3	4	1	2	-	-	-
2	2				Prunus padus	4	1	3	1						2	2		
2	2				Grewia canescens	2	1											2

2011 FOAP Species Cover Data sheet Page 1 of X Ver 1.5.xls last revised 6/9/2011 jam

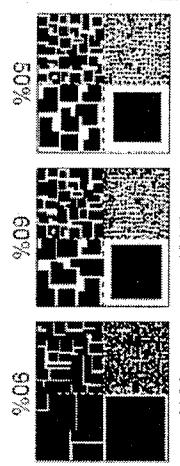
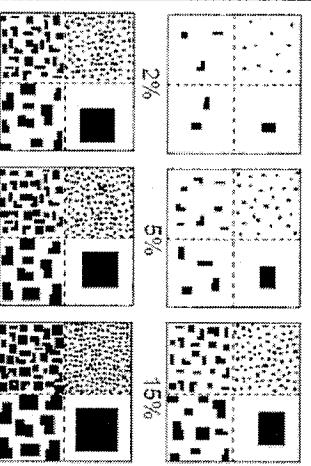
Natural Resource Management FORM NRM-2010-02a

Carpinus caroliniana

Apocynum cannabinum

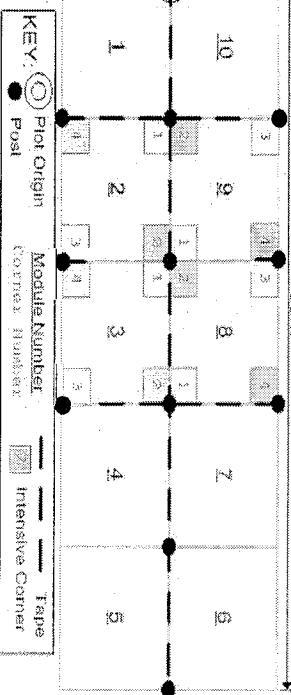
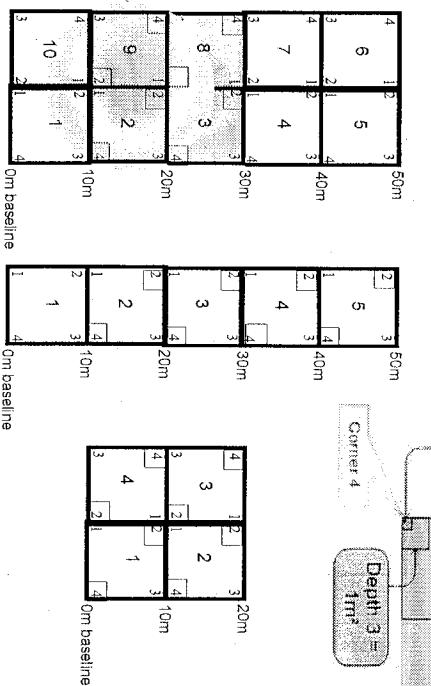
EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to compare amount of "Quantity". NOTE: Within any given box, each quadrant contains the same total area covered just different sized objects.



Nested Corners

cover class	% cover	midpoint
1	solitary or few	0.001
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

Program Species Cover Data Sheet

Page 2 of 3

Project Label: Project Name | Intensive modules: 10

4 Plot config

Plot area (ha): 0.1

Visual est. % open water entire site: _____

Visual est. %invasives_entire site

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નોવેમ્બર

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

%open w
%unvegetated open w
%unveg. ground (bare

Strata - Cov. entire plot

Species

%unveg. litter (bare l)

58014
West

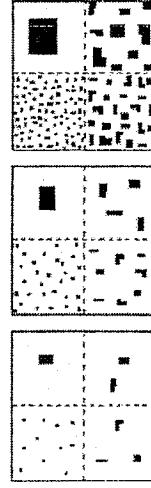
2010 PCAP Species Cover Data sheet Page 1 of x ver 1.5.xls last revised 7/15/2010 jimmie

O jjm

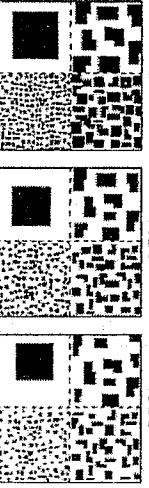
Natural Resource Management FORM NR/2010-026

EXAMPLES OF PERCENT OF AREA COVERED

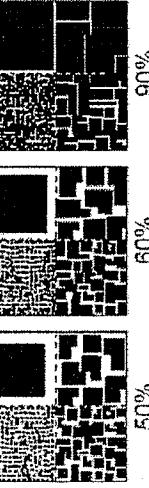
The following graphic can be used for various data elements to convey "Amount or Quantity". **NOTE:** Within any given box, each quadrant contains the same total area covered, just different sized objects.



20% 50%



25% 35%



50% 60%



50% 90%

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.

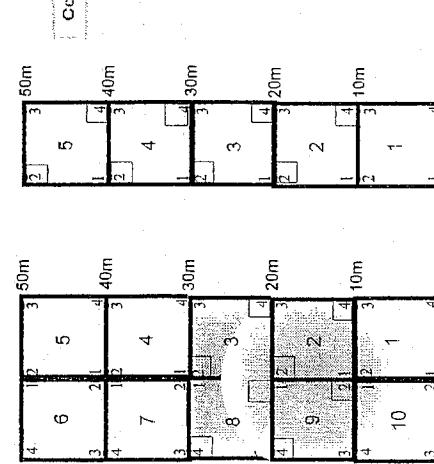
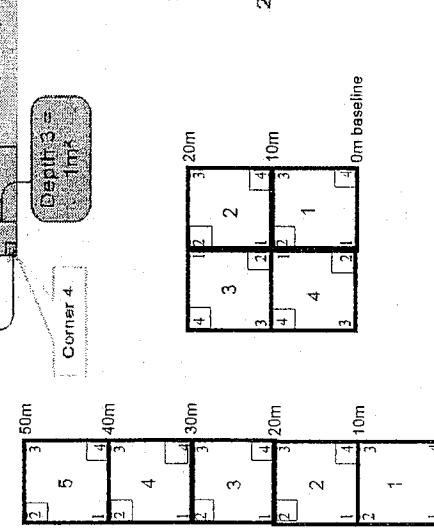
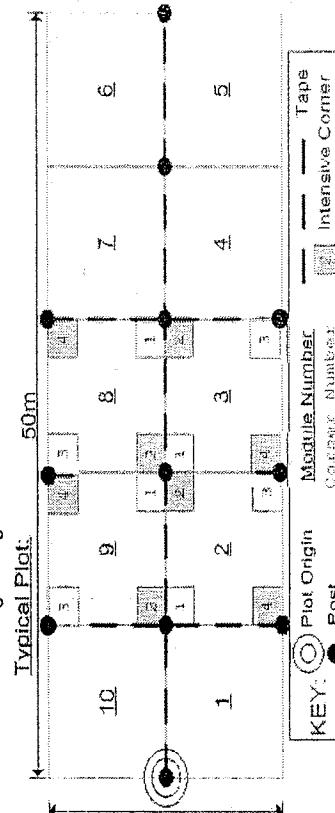
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

Project Label:

PCAF

Project name: OJSC 201
Inensive modules: 4 Plot 6

Plot no.: 1124

Plot area (ha): 0.1

Visual est. % open water entire site: 0 Visual est.

%unveg.o.w. entire site: 6

Visual est. %invasives entire site: 25%

卷之三

100

100

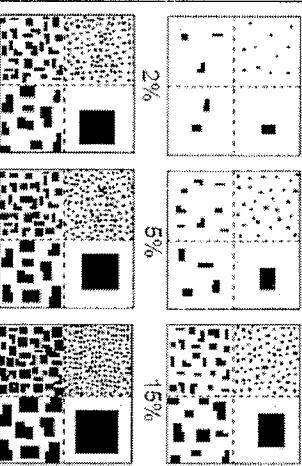
卷之三

Elevated
Mathematics

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

EXAMPLES OF PERCENT OF AREA COVERED

The following graphics 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.

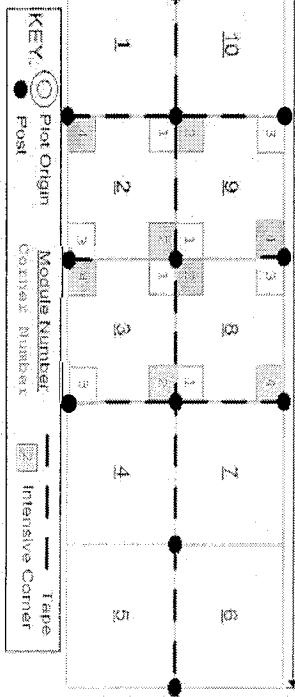
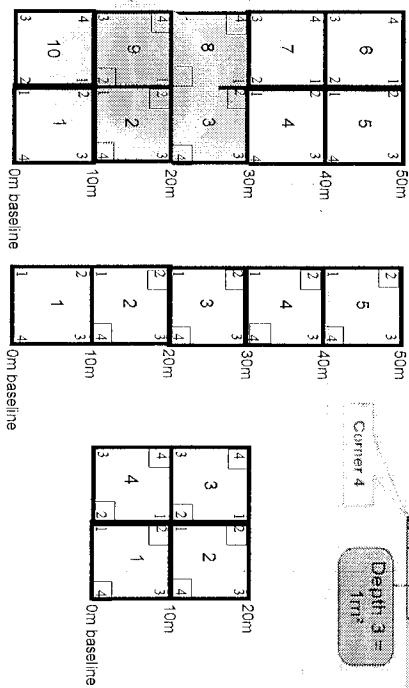
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

Project Label: PCAP

Project Name: ~~PCAP~~ OISCRW

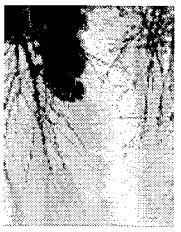
Pilot No.: 124

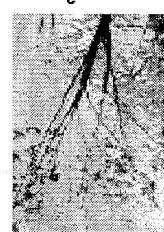
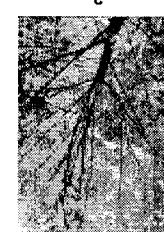
Elevation (feet)

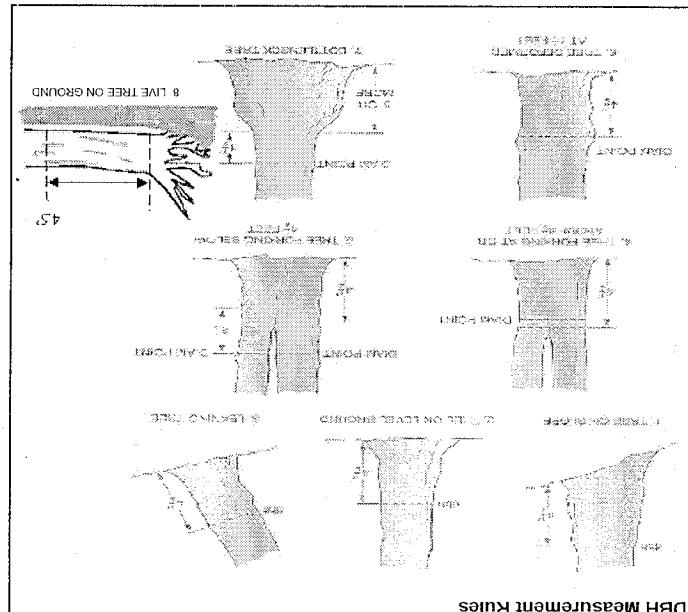
Page: 1 of 5

Explain subsample (additional room on back):

mod #	species	c voucher#	# stems 0.5-m browsed	% sub sample	# shrub clumps	size class (cm) woody stems >1m										11 35 - <40 >40 (record each tree)
						1	2	3	4	5	6	7	8	9	10	
1	<i>Pinus strobus</i>					0-1	1-2.5	2.5-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	44.3
1	<i>Quercus rubra</i>					0	0	0	0	0	0	0	0	0	0	73.2
1	<i>Prunus serotina</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Fragaria chiloensis</i>					1	0	0	0	0	0	0	0	0	0	
1	Spawning Dead					0	0	0	0	0	0	0	0	0	0	
1	<i>Ligustrum vulgare</i>					3	22	6	6	6	6	6	6	6	6	
1	<i>Rosa multiflora</i>					9	6	6	6	6	6	6	6	6	6	
1	<i>Melosia sp.</i>					9	6	6	6	6	6	6	6	6	6	
1	<i>Vitis aestivalis</i>					3	0	0	0	0	0	0	0	0	0	
1	<i>Hamamelis virginiana</i>					1	0	0	0	0	0	0	0	0	0	
1	<i>Rosa multiflora</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Fraxinus americana</i>					0	0	0	0	0	0	0	0	0	0	
1	Standing dead					0	0	0	0	0	0	0	0	0	0	
1	<i>Malus sp.</i>					6	11	6	6	6	6	6	6	6	6	
1	<i>Ligustrum vulgare</i>					6	0	0	0	0	0	0	0	0	0	
1	<i>Vitis aestivalis</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Rosa multiflora</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Fraxinus americana</i>					0	0	0	0	0	0	0	0	0	0	
1	Standing dead					0	0	0	0	0	0	0	0	0	0	
1	<i>Malus sp.</i>					6	11	6	6	6	6	6	6	6	6	
1	<i>Ligustrum vulgare</i>					6	0	0	0	0	0	0	0	0	0	
1	<i>Vitis aestivalis</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Rosa multiflora</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Fraxinus americana</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Quercus rubra</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Prunus serotina</i>					0	0	0	0	0	0	0	0	0	0	
1	<i>Tilia americana</i>					1	0	0	0	0	0	0	0	0	0	
1	<i>Ulmus americana</i>					1	0	0	0	0	0	0	0	0	0	
																42.7,38.3

					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)	
	B	C	D	E		
						
					ASH CANOPY 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.					

					ASH CANOPY CONDITION	
					(lowest branch) on the trunk	
					5. Dead canopy: No leaves remain in the canopy portion of the tree. If still counts as 5 even if there are epiphytic sprouts below the canopy	
					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.	
					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.	
					2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.	
					1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.	
	5	4	3	2	1	    

		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.	
			

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: O/S/C 2011

Plot No.: 1124

Page: 2 of 5

Explain subsample (additional room or back):

mod #	species	c voucher#	# stems 0.5-1m browsed	% sub sample	# shrub clumps	size class (cm) woody stems >1m										30 - <35	35 - <40	>40 (record each tree)
						1	2	3	4	5	6	7	8	9	10			
3	<u>Standing dead</u>		14		13				9									
3	<u>Eliquidum vulgare</u>								6									
3	<u>Malus sp.</u>				2													
4	<u>Quercus rubra</u>					•	•	•										
4	<u>Toxicodendron radicans</u>																	
4	<u>Quercus alba</u>																	48.3
4	<u>Prunus serotina</u>																	
4	<u>Standing dead</u>				1				•									
4	<u>Fraxinus americana</u>					•	•	•	•									
4	<u>Pinus strobus</u>																	
4	<u>Fraxinus pennsylvanica</u>																	
4	<u>Larix laricina</u>		5		27													
4	<u>Syringa nigra</u>																	
4	<u>Morus sp.</u>				1													
4	<u>Conelea macrorhiza</u>				2													
5	<u>Gledhillia dead</u>					6	12	6	6	6	6	6	6	6	6	6	62.6	
5	<u>Pinus strobus</u>																	
5	<u>Acer platanoides</u>																	
5	<u>Fraxinus americana</u>																	
5	<u>Carya cordiformis</u>																	
5	<u>Quercus rubra</u>																	
5	<u>Prunus serotina</u>								•	•								51.4
5	<u>Platanus occidentalis</u>																	47.0

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: O) SCL201

Plot No.: 1124

Page: 3 of 5

© Cleveland Metroparks

Explain subsample (additional room on back):

mod #	species	c	voucher#	# stems 0.5-1m browsed	% sub sample	# shrub clumps	size class (cm) woody stems >1m										# 0-<1 1 2 3 4 5 6 7 8 9 10 11 >40 (record each tree)
				1	2	3	4	5	6	7	8	9	10				
✓ 5	Torkodendron racemosus					3											
✓ 5	Parthenocissus quinquefolia					2											
✓ 5	Rosa multiflora		21			2											
✓ 5	Ligustrum vulgare			3													
✓ 5	Cornus mollis					1											
✓ 6	Syringa vulgaris																
✓ 6	Styrax dum						1	1									
✓ 6	Fraxinus americana							1	1								
✓ 6	Morus sp.							1	1								
✓ 6	Vitis aestivalis					2	2										
✓ 6	Frangula alnus						1	1									
✓ 6	Kalmia latifolia																
✓ 6	Quercus rubra																
✓ 6	Parthenocissus quinquefolia							1	1								
✓ 6	Acer platanoides							1	1								
✓ 6	Rose multiflora							1	1								
✓ 6	Ligustrum vulgare			10													
✓ 6	Crataegus monogyna							1	1								
✓ 6	Quercus alba							1	1								
✓ 6	Pinus strobus							1	1								
✓ 7	Toxodendron succulentum							1	1								
✓ 7	Carya cordiformis							1	1								
✓ 7	Stenocarpus occidentalis							1	1								
✓ 7	Quercus coccinea							1	1								
																45.3	
																	72.6
																	52.1

NOT CANOPY CONDITION TO DEAD TREES. (if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition

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

rank as described below)

ASH CANOPY BREAKUP CONDITION (for dead trees)
(if an ash receives a score of 5 (dead) under canopy
c

三

8

5

□

三



(lowest branch) on the trunk.

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

ASH CANOPY CONDITION

5

七

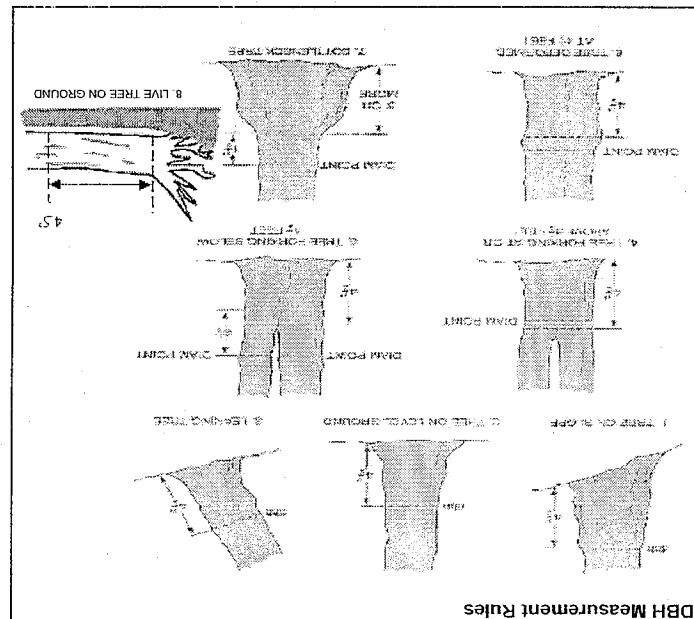
Σ

2

1



A small, dark, irregular shape, possibly a hole or a piece of debris, located near the top center of the page.



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: C1 SC 2011

Plot No.: 1124

Page: 4 of 5

REPLICATED RESTRUCTURES

Explain subsample (additional room on back):

mod #	species	c	voucher#	browsed	# stems 0.5-1m or super sample	# shrub clumps	size class (cm) woody stems >1m										11 >40 (record each tree)
							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	
7	Pinus Strobus						1										
7	Prunus Serrulata						1										
7	Fagus grandifolia						1										
7	Acer Platanoides						1										
7	Betula lutea						1										
7	Tilia Americana						1										
7	Fraxinus americana						1										
7	Ulmus rubra						1										
7	Liquidambar styraciflua						1										
8	Styrax americanus						1										
8	Quercus rubra						1										
8	Q. coccinea						1										
8	Q. alba						1										
8	Acer saccharinum						1										
8	Acer spicatum						1										
8	Liquidambar						1										
8	Pinus strobus						1										
8	Prunus Prunus Serrulata						1										
8	Rosa multiflora						1										
9	Standing dead						1										
9	Fragaria ananassa						1										
9	Ligustrum vulgare						1										
9	Rosa multiflora						1										
9	Melaleuca sp.						1										
10	Rhus typhina						1										
10	Fixoxylon americanum						1										
10	Quercus rubra						1										
10	Strangler fig						1										

<p>ASH CANOPY BREAKUP CONDITION (for dead trees):</p> <p>(If an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below).</p> <p>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.</p>				
E	D	C	B	A

<p>ASH CANOPY CONDITION</p> <p>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 sunlit, die naturally and are not considered. 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.</p>				
5	4	3	2	1

<p>DBH Measurement Rules</p>	
<p>Woody Stem Deer Browse</p> <p>Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.</p> <p>Record using the tally system from 1 to 10.</p> <p></p>	

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

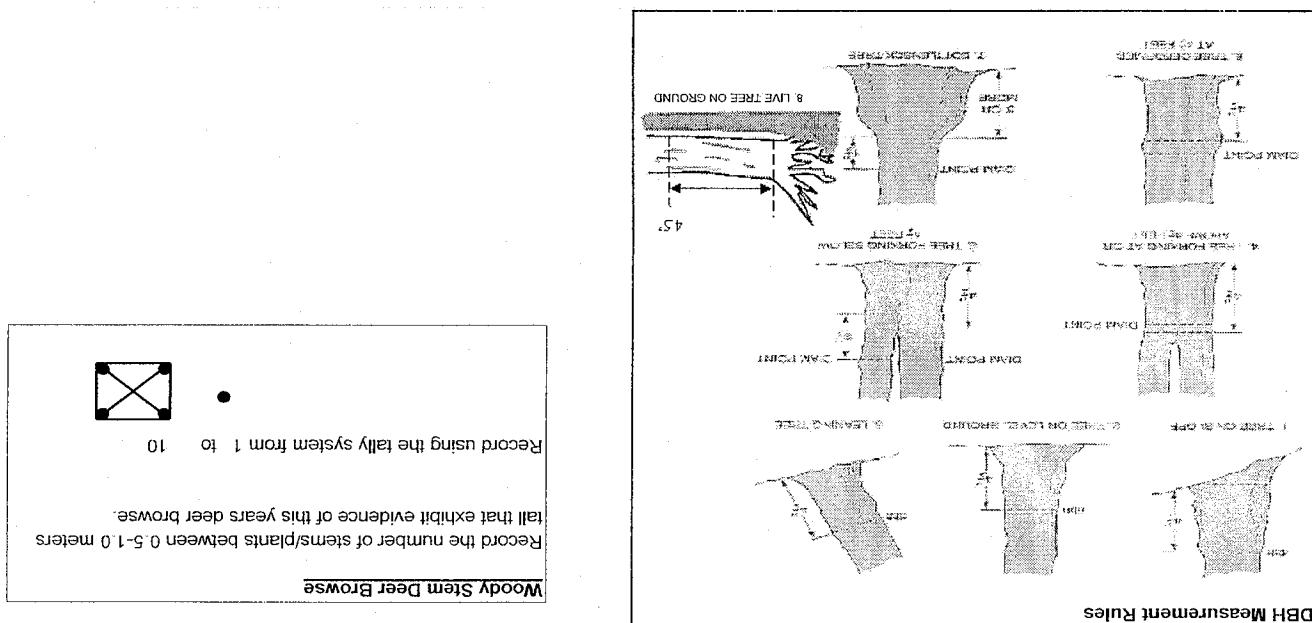
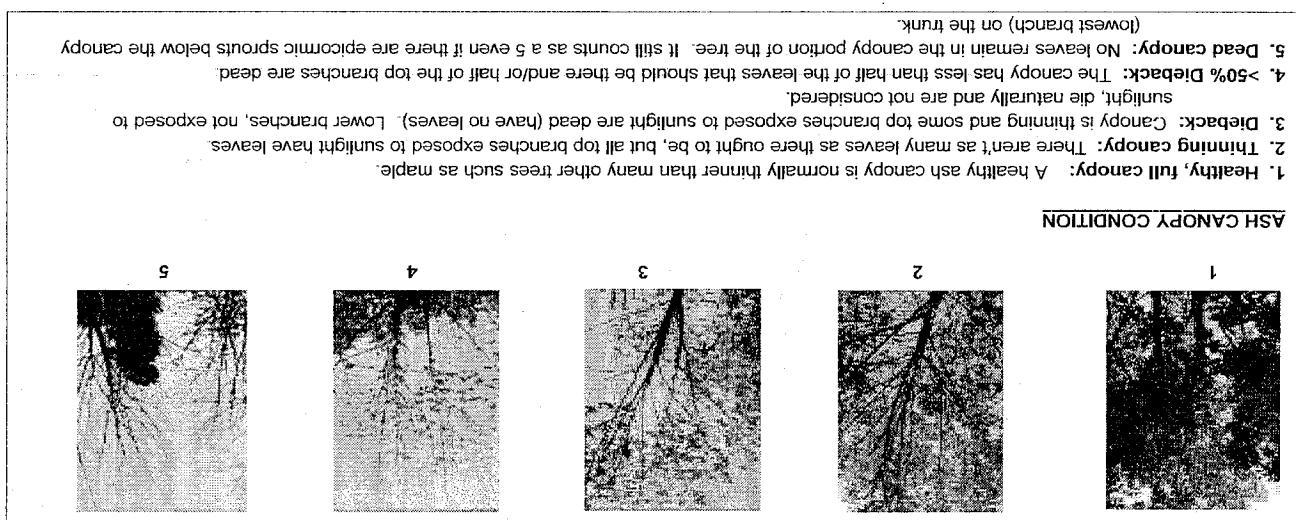
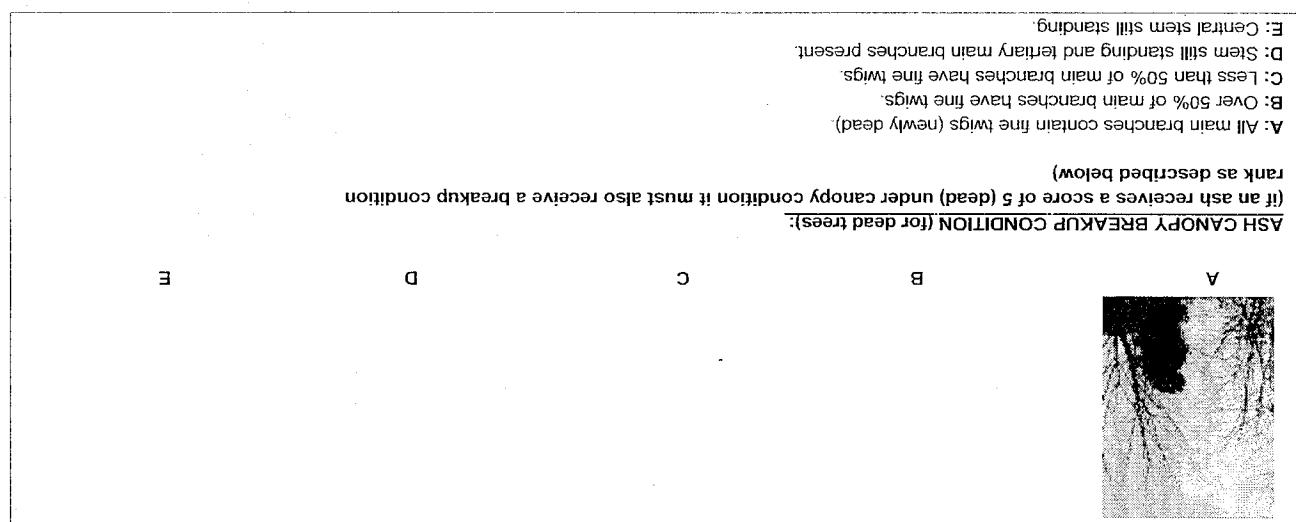
Project Label: PCAP

Project Name: 015C2011

Plot No.: 1124

Page: 3 of 5

Explain subsample (additional room on back))

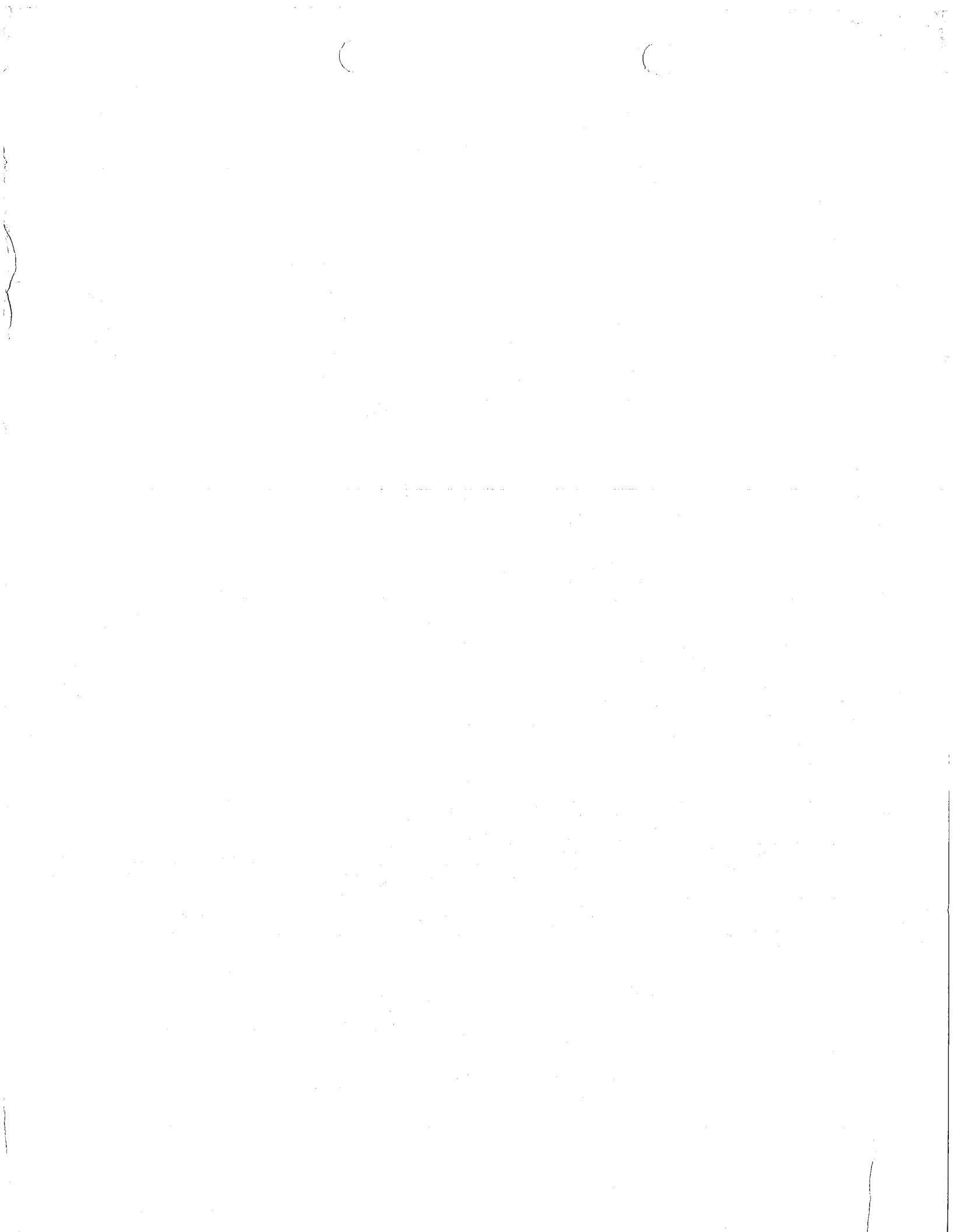


CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection/ Rapid response		Presence				GPS	
		NE	SE	SW	NW		
<i>Microstegium vimineum</i>	Japanese stiltgrass						
<i>Ranunculus ficaria</i>	Lesser Celandine						
<i>Cynanchum louiseae</i> (vine)	Black Swallow-wort						
<i>Butomus umbellatus</i> (wetland)	Flowering Rush						
<i>Heracleum mantegazzianum</i>	Giant Hogweed						
Tier 2: Assess as Needed		# of Plants				comments	
		NE	SE	SW	NW		
<i>Acer platanoides</i>	Norway Maple						
<i>Ailanthus altissima</i>	Tree of Heaven						
<i>Lonicera japonica</i> (vine)	Japanese Honeysuckle						
<i>Lythrum salicaria</i> (wetland)	Purple Loosestrife						
<i>Aegopodium podagraria</i> (G-cover)	Bishop's Goutweed						
<i>Celastrus orbiculatus</i> (vine)	Asian Bittersweet		X				
Torilis sp.	Hedgeparsley						
<i>Conium maculatum</i> (wetland)	Poison Hemlock						
<i>Rhamnus cathartica</i>	Common Buckthorn (shrub)						
<i>Berberis thunbergii</i>	Japanese Barberry (shrub)	X	X				
<i>Alnus glutinosa</i>	European Alder						
<i>Dipsacus laciniatus</i>	Cut-leaf Teasel						
<i>Elaeagnus umbellata</i>	Autumn Olive (shrub)						
<i>Lonicera maackii</i>	Amur Honeysuckle (shrub)						
<i>Euonymus fortunei</i>	Wintercreeper						
Tier 3: Presence is of Interest		# of Plants				comments	
		NE	SE	SW	NW		
<i>Convallaria majalis</i> (G-cover)	Lily of the Valley						
<i>Coronilla varia</i> (G-cover)	Crown Vetch						
<i>Eleutherococcus pentaphyllus</i>	Five-leaf Aralia (shrub)						
<i>Pachysandra terminalis</i> (G-cover)	Japanese Pachysandra						
<i>Philadelphus coronarius</i>	Mock Orange (shrub)						
<i>Pulmonaria officinalis</i> (G-cover)	Lungwort						
<i>Rubus phoenicolasius</i>	Wineberry						
<i>Iris pseudacorus</i> (wetland)	Yellow Flag Iris						
<i>Ornithogalum umbellatum</i>	Star of Bethlehem						
<i>Viburnum opulus</i> var. <i>opulus</i>	European Cranberry (shrub)						
<i>Viburnum plicatum</i>	Doublefile Viburnum (shrub)						
Tier 4: Widespread and abundant		Presence				comments	
		NE	SE	SW	NW		
<i>Alliaria petiolata</i>	Garlic Mustard			X	X		
<i>Ligustrum vulgare</i>	Common Privet (shrub)	X	X	X	X		
<i>L. morrowii</i> , <i>L. tatarica</i>	Bush Honeysuckles (shrub)	X	X	X			
<i>Phalaris arundinacea</i>	Reed Canarygrass						
<i>Phragmites australis</i> (wetland)	Phragmites						
<i>Polygonum cuspidatum</i>	Japanese Knotweed						
<i>Frangula alnus</i>	Glossy Buckthorn (shrub)			X	X		
<i>Rosa multiflora</i>	Multiflora Rose (shrub)	X	X	X	X		
<i>Typha angustifolia</i> , <i>T. x glauca</i>	Cattails (wetland)						
<i>Cirsium arvense</i>	Canada thistle						
<i>Dipsacus fullonum</i>	Common Teasel	X					
<i>Hesperis matronalis</i>	Dame's Rocket						
<i>Vinca minor</i> (G-cover)	Periwinkle						

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



CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet
 Project Label: PCAP Project Name: 01SC2011 INTENSIVE MODULES ONLY
 Plot No.: 1124 TREES \geq 10CM ONLY
 Date: 6-23-2011 Page: 1 of 2

Module ID.	Tree ID.	Species	Dead c	Voucher #	DBH (cm)	Ht @ DBH	Ash condition	*Dead holes	# Exit holes	Epicormic pres.	Woodpecker holes
								*Dead condition	# Exit holes		
3	1	<i>Fraxinus americana</i>			13.6		3	Ø	16		
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
	13										
	14										
	15										
	16										
	17										
	18										
	19										
	20										
	21										
	22										
	23										
	24										
	25										

Baseline

*** Change intensive module numbers when necessary

9

8

2

3

Baseline

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

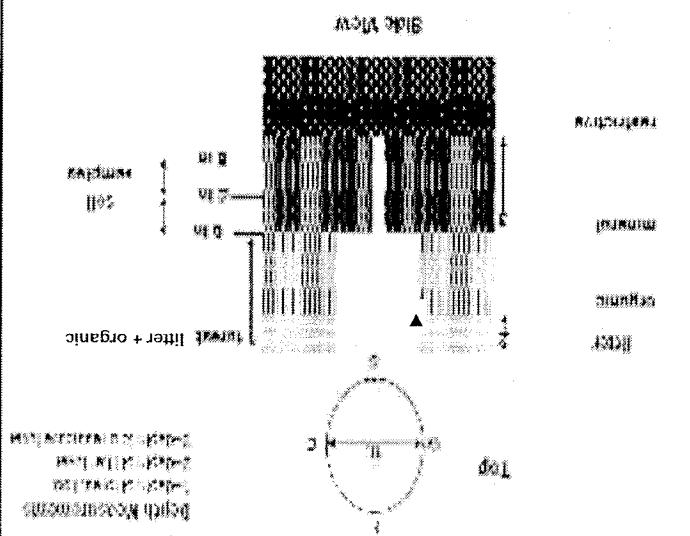
- * If Ash Condition scores 5 (dead) provide breakup score (A-E)
- Count EAB exit holes $1.25\text{m}^2 \times \geq 1.5\text{mm}$
- Woodpecker and epicormic marked present (1) or absent (0)

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

Tier 1: Early detection/ Rapid response		Presence			GPS		
Tier 2: Assess as Needed		# of Plants			Comments		
X: yes	# of Plants	NE	SE	SW	NW		
6: >1,000							
5: 100-1,000							
4: 50-100							
Ailanthus altissima	Trefoil of Heaven						
Lonicera japonica	(vine) Japanese Honeysuckle						
Lytrum salicaria	(vine) Purple Loosestrife						
Agastache podagraria	(G-cover) Bishop's Goutweed						
Trollius sp.	Hedgeparsley						
Clethrionoma obtusifolium	(G-cover) Asian Bitterweet						
Goniium maculatum	(wetland) Poison Hemlock						
Rhamnus cathartica	Common Buckthorn (shrub)						
Berberis thunbergii	Japanese Barberry (shrub)						
Dipsacus laciniatus	Cut-leaf Teasel						
Eleagnus umbellata	Autumn Olive (shrub)						
Lonicera maackii	Amur Honeysuckle (shrub)						
Eudomyrmex fortuneli	Wintercreep er						
Cornus alternifolia	Lily of the Valley	NE	SE	SW	NW	# of Plants	
Cornus officinalis	(G-cover) Five-leaf Aralia (shrub)					Tier 3: Presence is of interest	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Phillyadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
Vitis vulpina	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Vitis amurensis	European Cranberry (shrub)					Tier 4: Widespread and abundant	
Vitis labrusca	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	European Alder					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
Euonymus fortunei	Wintercreep er					Tier 4: Widespread and abundant	
Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
Vitis amurensis	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Vitis vulpina	European Cranberry (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
Euonymus fortunei	Wintercreep er					Tier 4: Widespread and abundant	
Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
Vitis amurensis	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
Euonymus fortunei	Wintercreep er					Tier 4: Widespread and abundant	
Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
Vitis amurensis	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
Euonymus fortunei	Wintercreep er					Tier 4: Widespread and abundant	
Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
Vitis amurensis	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
Euonymus fortunei	Wintercreep er					Tier 4: Widespread and abundant	
Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
Vitis amurensis	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
Euonymus fortunei	Wintercreep er					Tier 4: Widespread and abundant	
Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
Vitis amurensis	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
Euonymus fortunei	Wintercreep er					Tier 4: Widespread and abundant	
Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
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Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
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Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
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Vitis amurensis	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
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Elaeagnus umbellata	Autumn Olive (shrub)					Tier 4: Widespread and abundant	
Lonicera maackii	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Elaeagnus pungens	Pachysandra terminalis (G-cover) Japanese Pachysandra					Tier 4: Widespread and abundant	
Philadelphus coronarius	Mock Orange (shrub)					Tier 4: Widespread and abundant	
Pulmonaria officinalis	Lungwort					Tier 4: Widespread and abundant	
Rubus phoenicolasius	Wineberry					Tier 4: Widespread and abundant	
Iris pseudacorus	Yellow Flag Iris (wetland)					Tier 4: Widespread and abundant	
Osmunda cinnamomea	Star of Bethlehem					Tier 4: Widespread and abundant	
Vitis amurensis	Double-flowered Viburnum (shrub)					Tier 4: Widespread and abundant	
Alnus glutinosa	Amur Honeysuckle (shrub)					Tier 4: Widespread and abundant	
Connarus masialis	Crown Vetch					Tier 4: Widespread and abundant	
Corynilla varia	(G-cover) Lily of the Valley					Tier 4: Widespread and abundant	
Euonymus fortunei	Wintercreep er					Tier 4: Widespread and abundant	
Elaeagnus umbellata	Autumn Olive (shrub)						

FIGURE 2-30. Geographical extent of major Paleozoic marine faunas in China. See Figure 2-16 for more information of local types. The Chinese names are given in parentheses. See Table 2-3 for the distribution of fossiliferous rocks in China. See Figure 2-16 for more information of local types.

MISSISSIPPIAN		UPPER DEVONIAN	
Ohio Shale	Cuyahoga Formation*	Sandusky Shale	Bone Sandstone
Black Head Sandstone Member is base of the most persistent units	numerous named members	Block Head Sandstone Member	Bedrock Shale
Upper Sandstone Member	Alleville Conglomerate Member	Orange Conglomerate Member	Cheviot Sandstone Member
Yellow Sandstone Member	Welles Conglomerates Member	Brown Conglomerate Member	Orange Member
Piney Creek Group	Logan Formation	Logan Formation	High Member



***Tree seedlings are often defined as up to 14 m height or as <2.5 cm DBH in which case they would span the herb and shrub layers.

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

 Cleveland Metroparks

Project Label: PCAP Project Name: Ol's Cliff

Plot No.: 1124

Page: 1 of 1

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

Soil pit module # 3 (one per entire plot)

5 cm	matrix color <u>10YR 3/2</u>
mottle color	<u>None</u>
%mottle	<u>0</u>
oxid roots	<u>Y</u> <u>(N)</u>
texture*	<u>1</u>
redox features**	<u>Y</u> <u>(N)</u>
hydr. cond.***	<u>I S (M) D</u>
20 cm	matrix color <u>10YR 4/3</u>
mottle color	<u>None</u>
%mottle	<u>0</u>
oxid roots	<u>Y</u> <u>(Y)</u>
texture*	<u>1</u>
redox features**	<u>Y</u> <u>(N)</u>
hydro cond.***	<u>I S (M) D</u>

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

Soil Description/notes:

STANDING BIOMASS (required for emergent wetlands): collected in 0.1m clip plots (32x32 cm) from corners 1 and 3 in each intensive module. Required for VIBI-E score calculation. C? = check when collected

Module #	C?	Corner	Corner

Restrictive ft.
> 80 in.

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

mod#	1 litter + organic depth (cm)	2 litter depth(cm)	3 restrict. depth(cm)	water depth (cm)	sat soil depth (cm)	
					IWSS	WSS
2	<u>0</u>	<u>0</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>
3	<u>2.0</u>	<u>2.0</u>	<u>740</u>	<u>0</u>	<u>730</u>	<u>730</u>
8	<u>1.8</u>	<u>1.8</u>	<u>91</u>	<u>0</u>	<u>730</u>	<u>730</u>
9	<u>0</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>730</u>	<u>730</u>

Length of soil probe = 125 cm

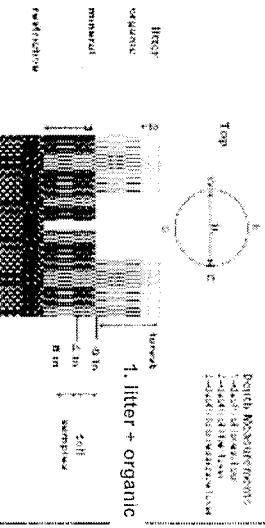
*Use Web Soil Survey for #3 Restrictive layer dept.

Notes: include evidence of earthworms (worms, castings, middens)

Earthworms present: +

- Well drained
- Excessively drained
- Somewhat excessively

- Moderately well dr.
- Somewhat poorly dr.
- Very poorly dr.
- Impermeable surface



*=indicated

S=saturated

M=moist

D=dry

** e.g. hydrogen sulfide odor, gleying, etc

*** Circle one:

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

PERMANENTLY FLOODED: Water covers the land surface at all times or the year. Equivalently to Gowardin's "permanency

SEMIPERMANENTLY FLLOODED (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

the U.S., where appropriate. This modifier can be applied to both welland and non-welland situations. Equivalent to Cowardin's "Inherently Federally Protected" 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 acid West of Plaza Lakes intermediate streams and dry washes but can be used in other parts of the acid West for lakes in the acid West.

surface. Often characterizes floodplain levees and lower terraces. Equivalent to Cowardin's Temporal model.

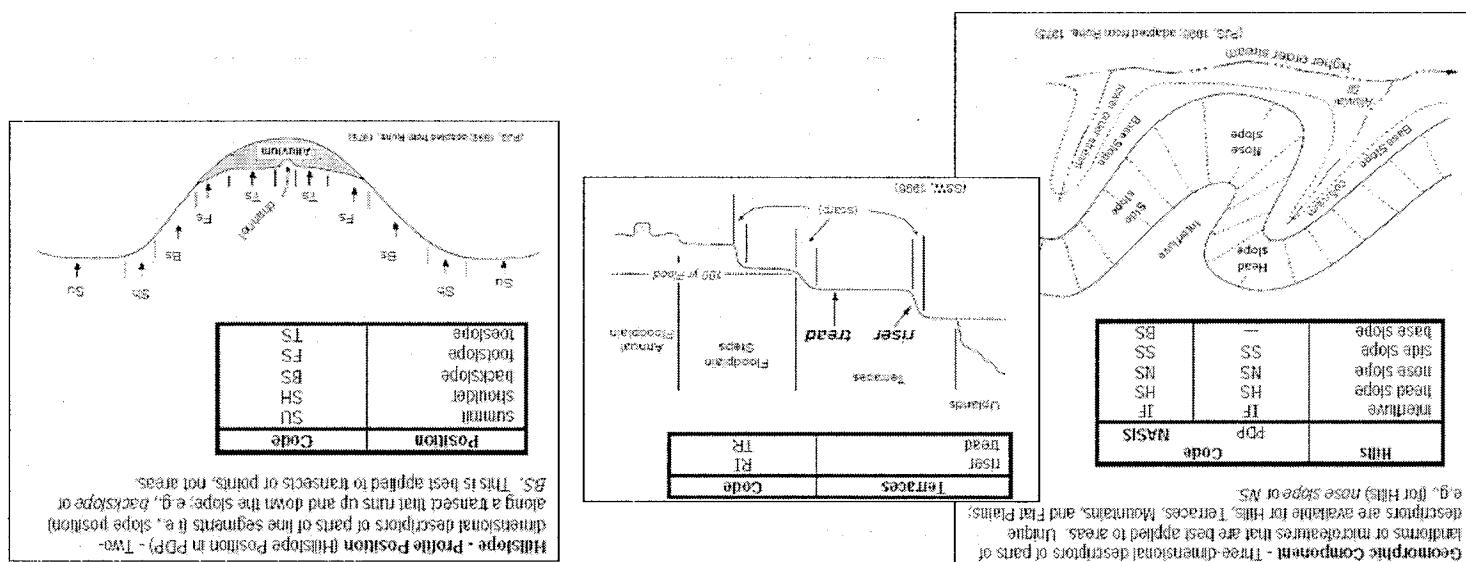
CHARACTERIZES FLOOD-PLAIN UPPER TERRACES.

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

PERMANENTLY SEMIPERMANENTLY STABILIZED Dry less than once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season. Equivalents to Gowardin's Stratified model.

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

UPPLAND: Not a wetland. Very rarely flooded.



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

SOIL SAND Record the code for the sand size fraction of the soil sample. Smooth a ball and a ribbon should be coded as coarse sand, a ribbon and a ball should be coded as sandy, samples which form a ball and a ribbon should be coded as loamy.

SOIL CLAY Record the code for the clay size fraction of the soil sample. Smooth a ball and a ribbon should be coded as clayey, samples which form a ball and a ribbon should be coded as loamy.

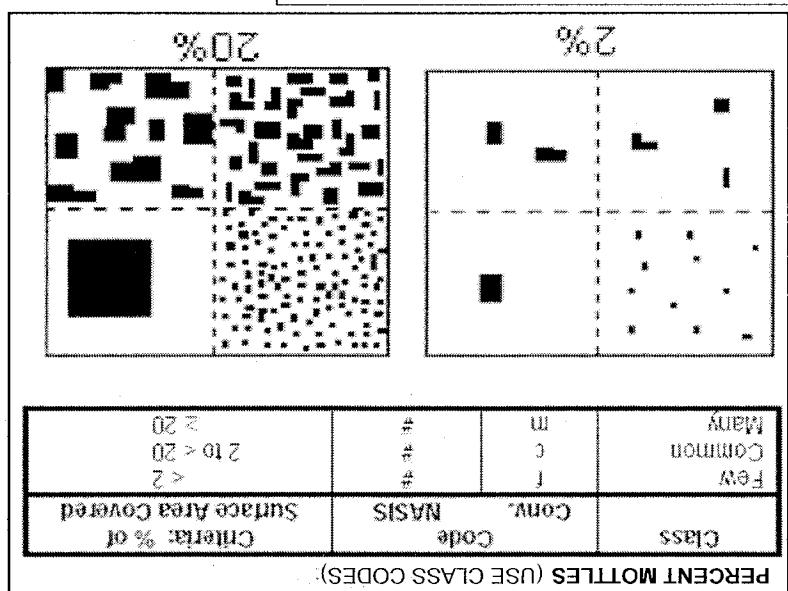
SOIL ORGANIC MATTER Record the code for the organic matter content of the soil sample. Samples which contain less than 1% organic matter should be coded as sandy, samples which contain 1% or more organic matter should be coded as loamy.

SOIL CLAYEY SAND Record the code for the clayey sand size fraction of the soil sample. Samples which contain less than 10% clayey sand should be coded as sandy, samples which contain 10% or more clayey sand should be coded as clayey.

SOIL LOAMY SAND Record the code for the loamy sand size fraction of the soil sample. Samples which contain less than 10% loamy sand should be coded as sandy, samples which contain 10% or more loamy sand should be coded as loamy.

SOIL COARSE SAND Record the code for the coarse sand size fraction of the soil sample. Samples which contain less than 10% coarse sand should be coded as clayey, samples which contain 10% or more coarse sand should be coded as loamy.

SOIL NOT MEASURED - MAKE PLOT NOTE Record the code for the soil texture which was not measured. This may occur if the soil sample did not contain enough clay or organic matter to allow for a valid texture classification.



FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 112415C

DATE: 06 / 23 / 2011

Location:	Fill in bubble(s) if plot(s) could not be sampled and flag →									
O AA Center	O N	O S	O E	O W	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: D		Absent:		Buffer Plot 2	Canopy Type: D		Absent:		Buffer Plot 3	Canopy Type: D		Absent:	
	O	E	O	E		O	E	O	E		O	E	O	E
Big Trees (>0 3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Big Trees (>0 3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
Small Trees (<0 3m DBH)	<input type="radio"/>	Small Trees (<0 3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Small Trees (<0 3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Herbs, Forbs and Grasses	<input type="radio"/>	Herbs, Forbs and Grasses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Herbs, Forbs and Grasses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Bare ground	<input type="radio"/>	Bare ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Bare ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Litter, duff	<input type="radio"/>	Litter, duff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Litter, duff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Rock	<input type="radio"/>	Rock	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rock	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Water	<input type="radio"/>	Water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Submerged Vegetation	<input type="radio"/>	Submerged Vegetation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Submerged Vegetation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				

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

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

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

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

2428168304

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

Reviewed by (initial): _____

Site ID: PCAP 1124 SC

DATE: 06/23/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

2

Latitude North 41° 43' 46"

Longitude West

8141765

Use Decimal Degrees: NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP #24 SC

DATE: 06 / 23 / 2011

Location: O AA Center O N O S O E O W	Fill in bubble(s) if plot(s) could not be sampled and flag →			
	<input type="radio"/> Plot 1	<input type="radio"/> Plot 2	<input type="radio"/> Plot 3	

Buffer Natural Cover Strata

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

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

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

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

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

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

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

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

2428168304

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

Reviewed by (initial): _____

Site ID: PCAP 1124 S

DATE: 06/23/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 41° 43' 33" 48" Longitude West 81° 41' 6" 85"

Use Decimal Degrees; NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1124 SC

DATE: 06/23/2011

Location:

AA Center O N O S O E O W

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

Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

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

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

2428168304

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

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

Reviewed by (initial): _____

Site ID: PCAP 1124 SC

DATE: 06/29/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 41° 43' 46.0" Longitude West 81° 41' 7.26"

Use Decimal Degrees: NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1124 SC

DATE: 06/23/2011

Location:	Fill in bubble(s) if plot(s) could not be sampled and flag →				1
<input type="radio"/> AA Center <input checked="" type="radio"/> N <input type="radio"/> S <input type="radio"/> E <input type="radio"/> W	<input type="radio"/> Plot 1 <input checked="" type="radio"/> Plot 2 <input type="radio"/> Plot 3				

Buffer Natural Cover Strata

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

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

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

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

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

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

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

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

2428168304

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

Reviewed by (initial): _____

Site ID: PCAP 1124 SC

DATE: 06/23/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 41.43494 Longitude West -81.41730

Use Decimal Degrees; NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PLAP 1124 SC

DATE: 06/23/2011

Location: <input type="radio"/> AA Center <input type="radio"/> N <input type="radio"/> S <input checked="" type="radio"/> E <input type="radio"/> W	Fill in bubble(s) if plot(s) could not be sampled and flag →			
	<input type="radio"/> Plot 1	<input type="radio"/> Plot 2	<input type="radio"/> Plot 3	

Buffer Natural Cover Strata

Fill in bubbles for all that apply: Canopy Type: D = Deciduous; E = Evergreen Leaf Type: B = Broadleaf, N = Needle Leaf Absent: No tree canopy
Strata Section: Fill in appropriate cover class bubble for each strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%)

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

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

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

Industrial Development Stressors				Habitat/Vegetation Stressors											
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Trails	<input type="radio"/>	<input type="radio"/>	<input checked="" 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 <3" HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Recently Burned Forest Canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		

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

2428168304

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

Reviewed by (initial):

Site ID: PCAP 1124 SC

DATE: 06/23/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 4 1 . 4 3 4 7 0 Longitude West 8 1 . 4 1 5 7 8

Use Decimal Degrees: NAD83

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet								
GENERAL INFORMATION				LOCATION				
<u>Project Label:</u>	PCAP			<u>State:</u>	OH			<u>County:</u>
<u>Project Name:</u>				<u>Quadrangle:</u>				
<u>Plot Name:</u>				<u>Local Place Names:</u>				
Plot No.:	1124			X-axis Bearing of plot:	[315] °			All points pinned
				Landowner:				
				Y-axis Bearing of plot:				
				Date (mm/dd/yyyy):	/ /			
				End date (if > 1 day):	/ /			
Party	Role**			Check one:	<input type="checkbox"/> Public data <input type="checkbox"/> Private Data			
	Plot leader			<input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m				
				Reason:				
				If data not public why?				
				Source of coordinates	<input type="checkbox"/> MAP GPS			
				GPS location in plot x=0 to 5, y=-1,0,+1):				
				x = <input checked="" type="radio"/> y = <input type="radio"/> (base of plot x=0, y=0)				
				Coordinate system:	Coord. Units			
				<input type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane	<input type="checkbox"/> deg <input type="checkbox"/> deg min			
				<input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> m <input type="checkbox"/> ft			
				Datum:	<input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27			
				Latitude:	41.43459			
				Longitude:	81.41719			
				Coord. Accuracy:	.25 m ft			
				GPS File Name:	1124A			
				Plot size for cover data:	0.107 (hectares)			
				Plot size for stems:	0.025 (ha)			
				Depth:	(1-5)			
				Intensive modules:	2, 3, 8, 9			<small>(EDIT IF MODIFIED)</small>
				Camera No.:				
				Photo Nos.:				
<p><small>* Definitions and values in CM/PCAP FOM v. 1.0 and CVS Field Guide</small></p> <p>Minimum required fields in Bold and Underlined</p>								
<p>Authority: G&C Pub Date: 1998</p>								
<p><i>Moho 2X5 - 6x7.5 scale is now (2.0) Set plot up with road Plot set up fall 2010</i></p>								

*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guidee

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

 Cleveland Metroparks
Page 1 of 2

GENERAL INFORMATION		LOCATION	
Project Label: PCAP		State: OH County:	
Project Name: C:\\$C2\\$D\		Quadrangle:	
Plot Name:		Local Place Names:	
Plot No.: 1124		Landowner:	
		X-axis Bearing of plot: [214] °	
Date (mm/dd/yyyy): / /		Data Confidentiality:	
End date (if > 1 day): / /		Check one: <input type="checkbox"/> Public data <input type="checkbox"/> Private Data	
Party		Reason:	
Role***		If data not public why?	
Plot leader		Source of coordinates: <input checked="" type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS	
		GPS location in plot x=0 to 5, y=-1,0,+1): x = 0 y = 0 (base of plot x=0, y=0)	
		Coordinate system: <u>Coord. Units</u>	
		<input checked="" type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input checked="" type="checkbox"/> deg <input type="checkbox"/> deg min <input type="checkbox"/> Other (specify) <input checked="" type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/> ...	
PLOT NOT SAMPLED:		Plot placement: <input type="checkbox"/> Representative <input checked="" type="checkbox"/> GRTS <input type="checkbox"/> Random <input type="checkbox"/> Stratified Random	
<input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety		<input type="checkbox"/> Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capture specific feature <input type="checkbox"/> Other	
SAMPLING QUALITY*		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.	
Effort Level: <input checked="" type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurried		Rationale: Original GRTS pt fell in an old open access to the meadow w/ little soil coverage. Set up plot so original GRTS is located at (2,0). So both sides of open area are captured. Canis approved! Canopy: Oaks, pines	
TAXONOMIC STANDARD		Layout: 2x5	
		Location: Park at JACKSON Field parking lot Plot is North along Chagrin River Rd Near small opening (meadow area) w/ wooded areas in between road and JACKSON Field	
		Longitude: 81 47.06 E Coord. Accuracy: <input checked="" type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/> + -	
		Latitude: 41 14.347 N	
		GPS File Name: 1124AA (Gps 2)	
Plot size for cover data: 0.1 (hectares)		Plot size for stems: 0.1 (ha)	
		<input type="checkbox"/> Stems present <input type="checkbox"/> Stems absent	
		Depth (1-5): 4	
Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)		Camera No.: _____	
		Photo Nos.: _____	
		Plot marked in blue ink on map.	
		OVER	

Minimum required fields in Bold and Underlined

*Definitions and values in CMPCAP FOM v. 1.0 and CVS Field Guide

There is a nail (2,1) from original plot placement that was not located still in ground.

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet



Project Label: PCAP Project Name: _____ Plot No.: _____ Page 2 of 2

CLASSIFICATION			
(Fit = excellent, good, fair, poor; CONF = high, med, low)		Fit and Confidence	
Hydrogeomorphic class (WETLANDS ONLY):			
□ DEPRESSION		Fit= _____ Conf= _____	> 1,000 x plot size
□ IMPOUNDMENT □ Beaver □ Human		Fit= _____ Conf= _____	10-100 x plot size
□ RIVERINE □ Headwater □ Mainstem □ Channel		Fit= _____ Conf= _____	3-10 x plot size
□ SLOPE (ground water hydrology or on a physical slope)		Fit= _____ Conf= _____	1-3 x plot size
□ FRINGING □ Reservoir □ Natural Lake		Fit= _____ Conf= _____	< plot size
□ COASTAL (specify subclass)		Fit= _____ Conf= _____	Other
□ BOG (strongly, moderately, weekly ombrotrophic)		Fit= _____ Conf= _____	Well drained
			Moderately well dr.
			Somewhat poorly dr.
			Poorly dr.
			Very poorly dr.
			Impenetrable surface
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):			
□ FOREST □ swamp forest □ bog forest □ forest seep		Fit= _____ Conf= _____	Moderately well dr.
□ EMERGENT □ marsh □ wet meadow □ open bog		Fit= _____ Conf= _____	Somewhat poorly dr.
□ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen		Fit= _____ Conf= _____	Poorly dr.
MODIFIED NATURE RESERVE CLASS*			
CODE (on separate form):		Fit= _____ Conf= _____	Very poorly dr.
COMMUNITY NAME:			Impenetrable surface
LANDFORM TYPE*:			
		Fit= _____ Conf= _____	Moderately well dr.
			Somewhat poorly dr.
			Poorly dr.
			Very poorly dr.
			Impenetrable surface
HOMOGENEITY		Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	
□ Homogeneous			
□ Compositional trend across the plot			
□ Conspicuous inclusions			
□ Irregular/pattern mosaic			

Park at Jackson Field

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