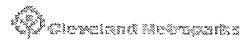


CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form			
Project Label:	PCAP	Plot No:	1126
		Date Sampled:	7/5/11
		Lead:	



Comment required if item answer is NO			
Parking/Access outside of Park Boundaries	Y <input checked="" type="radio"/>	If yes, write details in Comments section below	
Field journals completed	Y <input checked="" type="radio"/>	N	
Site sketch made on 1:3000 map?	Y <input checked="" type="radio"/>	N	
Check cover page	X-axis Bearing of plot recorded	Y <input checked="" type="radio"/>	
	GPS coords. Recorded	Y <input checked="" type="radio"/>	
	North direction recorded	Y <input checked="" type="radio"/>	
	Photographs taken?	Y <input checked="" type="radio"/>	
Plot No., Date agreement on all pages?	Y <input checked="" type="radio"/>	N	
Header data completed all pages?	Y <input checked="" type="radio"/>	N	
Cover classes recorded in all Intensive modules	Y <input checked="" type="radio"/>	N	
Browse Level By Species	Y <input checked="" type="radio"/>	N	
Woody stem quality control check	Y <input checked="" type="radio"/>	N	
Invasive plant quality control check	Y <input checked="" type="radio"/>	N	
Ash trees mapped	Y <input checked="" type="radio"/>	N	
Cover by Strata? (confirm cover type)	Y <input checked="" type="radio"/>	N	
Soil samples collected with matching plot #	Y <input checked="" type="radio"/>	N	
Vouchers labeled on datasheet with initials and number	Y <input checked="" type="radio"/>	N	
Vouchers labeled on collection bag	Y <input checked="" type="radio"/>	N	
Pink flags removed	Y <input checked="" type="radio"/>	N	
Data sheet QA before leaving site?	Y <input checked="" type="radio"/>	N	
Common equipment returned to tub.	Y <input checked="" type="radio"/>	N	
Data sheets scanned?	7/6/11	Enter date to left	
Final data sheets scanned?		Enter date to left	
Buffer Widths measured?	Y <input checked="" type="radio"/>	N	
Web Soil Survey	Y <input checked="" type="radio"/>	N	
Voucher Location	Refrigerator	Y N	
(# vouchers collected)	Press (#)		Enter number to left
	Drier	Y	N
	Identified	Y	N
	Mounted	Y	N
	Thrown away	Y	N

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

Additional Comments:

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet



Page 1 of 2

GENERAL INFORMATION			
Project Label:	PCAP		
Project Name:	<u>CJMS2011</u>		
Plot Name:	<u>Why doesn't Dylan name his plots</u>		
Plot No.:	<u>1/126</u>		
Level 4 (no nested corners sampled)	<input type="checkbox"/>		
Level 5 (nested corners sampled)	<input checked="" type="checkbox"/>		
Date (mm/dd/yyyy):	<u>7/25/2011</u>		
End date (if > 1 day):	<u>/ /</u>		
Party			
<u>D. STRUZER</u>	Role**		
<u>J. LANTERMAN</u>	Plot leader		
<u>A. MACK</u>			
<u>M. BRETT</u>			
** Roles: Co-leader, Asst. Guide, Owner, Taxonomist, etc.			
PLOT NOT SAMPLED:			
□ Perm. water	<input type="checkbox"/> Other		
□ Paved	<input type="checkbox"/> Slope		
□ Safety	<input type="checkbox"/>		
SAMPLING QUALITY*			
Effort Level:			
Very thorough	<input checked="" type="checkbox"/>		
Accurate	<input type="checkbox"/>		
Hurried	<input type="checkbox"/>		
subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data			
TAXONOMIC ACCURACY			
high	moder	low	not suffl
vascul.			<input type="checkbox"/> n/a
bryo			<input type="checkbox"/>
lichen			<input checked="" type="checkbox"/>
TAXONOMIC STANDARD			
Authority:	G&C		
Pub Date:	1998		
Minimum required fields in Bold and Underlined			

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

LOCATION

State	OH	County	<u>CUYAHOGA</u>
Quadrangle	<u>BEREA</u>		
Local Place Names	<u>MAIN ST</u>		
Landowner	<u>BALL FIELD</u>		
X-axis Bearing of plot:	<u>275</u> °		
Check one:	<input checked="" type="checkbox"/> Public data	<input type="checkbox"/> Private Data	
□ Fuzz 100m	<input type="checkbox"/> Fuzz 250m	<input type="checkbox"/> Fuzz 500m	

Data Confidentiality:

Reason:	If data not public why?			
Source of coordinates	<input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS			
GPS location in plot x=0 to 5, y=-1,0,+1):	$x = \textcircled{2}$ $y = \textcircled{2}$ (base of plot x=0, y=0)			
Coordinate system:	<u>Coord. Units</u>			
■ 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"/>			
Datum:	■ NAD83/WGS84 <input type="checkbox"/> NAD27			
Latitude:	<u>41.35875</u>			
Longitude:	<u>81.83667</u>			
Coord. Accuracy:	<u>± 1.7</u>			
GPS File Name:	<u>1/126 A</u>			
Plot size for cover data:	<u>0.1</u> (hectares)			

Plot placement:

Plot placement:	<input type="checkbox"/> Representative <input checked="" type="checkbox"/> GRTS <input type="checkbox"/> Random <input type="checkbox"/> Stratified Random		
<input type="checkbox"/> Transect component	<input type="checkbox"/> Systematic (grid)	<input type="checkbox"/> Capture specific feature	<input type="checkbox"/> Other

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

RATIONALE - Agree with Layout; original GRTS pt @ (0,0)

VEG - A typical successional woods with unusual mix of planted and indigenous spp. Canopy includes *Quercus palustris*, *Phus strobus*, *Acer rubrum*, *Tilia americana*, others - no clear dominant. *Alnus glutinosa* and *Prunus pensylvanica* running length of plot. Shrub and herb layer degenerate, lots of *Fragaria* seedlings. Dense midlayer.

OVER

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name: 2/25/2011

Plot No.: 126

Page 2 of 2



CLASSIFICATION

(Fit = excellent, good, fair, poor; CONF = high, med, low)

Fit and Confidence

- Hydrogeomorphic class (WETLANDS ONLY):**
- Fit= Conf=
- DEPRESSION**
- Fit= Conf=
- IMPOUNDMENT** Beaver Human
- RIVERINE** Headwater Mainstem Channel
- SLOPE** (ground water hydrology or on a physical slope)
- FRINGING** Reservoir Natural Lake
- COASTAL** (specify subclass)
- BOG** (strongly, moderately, weekly, ombrotrophic)

Ohio EPA VIB Plant Community Class (WETLANDS ONLY):

- FOREST swamp forest bog forest forest seep
- EMERGENT** marsh wet meadow open bog
- SHRUB** shrub swamp tall sh. bog tall sh. fen

MODIFIED NATURESERVE CLASS*

CODE (on separate form): W0/e

Fit= Conf=

COMMUNITY NAME: Physical Successional
Upland Forest

HOMOGENEITY

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

STAND SIZE

- >1,000 x plot size
- >100 x plot size
- 10-100 x plot size
- 3-10 x plot size
- 1-3 x plot size
- < plot size

Fit= Conf=

DISTURBANCES

type*

severity**

yrs ago

% of plot

description

Human

Natural

Fire

Cut

Animal

Other

SALINITY*

Upland (seldom flooded)

Intermittently flooded

Saltwater

Brackish

Fresh

Upland (n/a)

Upland (seldom flooded)

Intermittently/seasonally saturated (seldom flooded)

Permanently flooded

Tidal/Seiche flooded daily

Tidal/Seiche flooded monthly

Tidal/Seiche flooded irregular (e.g. wind, storms)

Temporarily flooded

Unknown

HYDROLOGIC REGIME*

Upland (seldom flooded)

Semipermanently flooded

Permanently flooded

Tidal/Seiche flooded daily

Tidal/Seiche flooded monthly

Tidal/Seiche flooded irregular (e.g. wind, storms)

Temporarily flooded

Unknown

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

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Project Label: _____ PCAP

Project name: 24

Plot no.: 1120

Page 1 of 4

Total modules: 10
Visual est. % open water entire site: 0 Visual est.

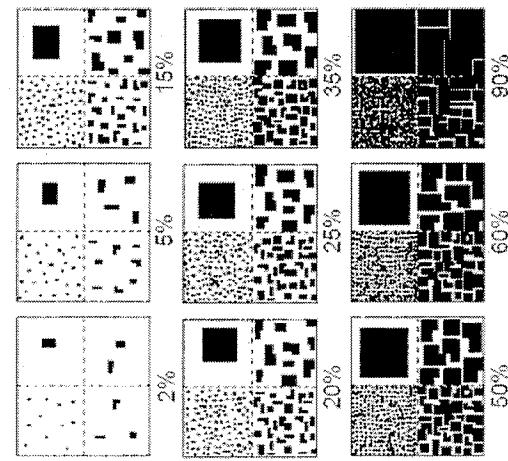
Intensive modules: 4 Plot configuration: 2x5 Plot %unveg o.w. entire site: 0 Visual est. %invasives entire site: 10%

Plot area (ha): 0.1


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

EXAMPLES OF PERCENT OF AREA COVERED

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



BROWSE RATING NARRATIVE DESCRIPTION

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

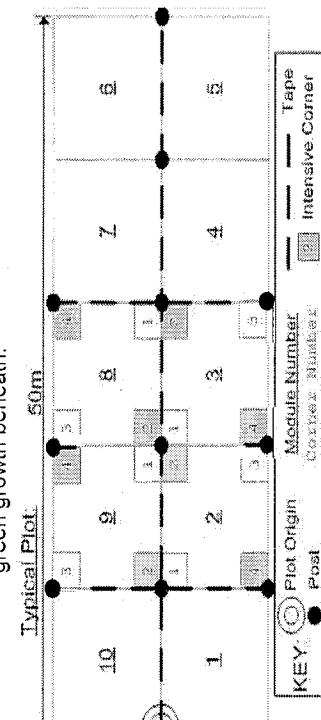
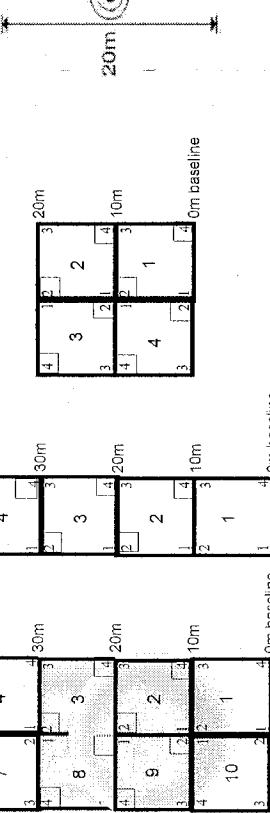
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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.

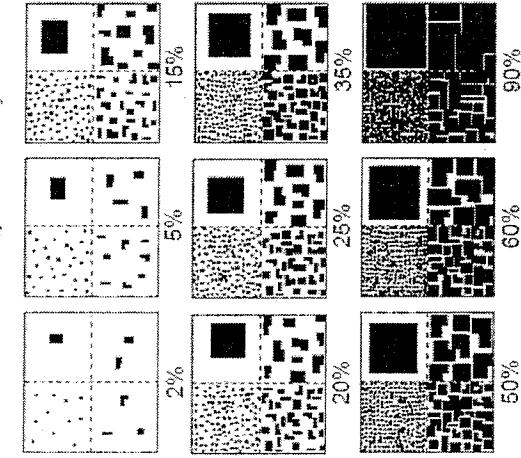
HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module AND a browse line is evident.

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.



EXAMPLES OF PERCENT OF AREA COVERED

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



BROWSE RATING NARRATIVE DESCRIPTION

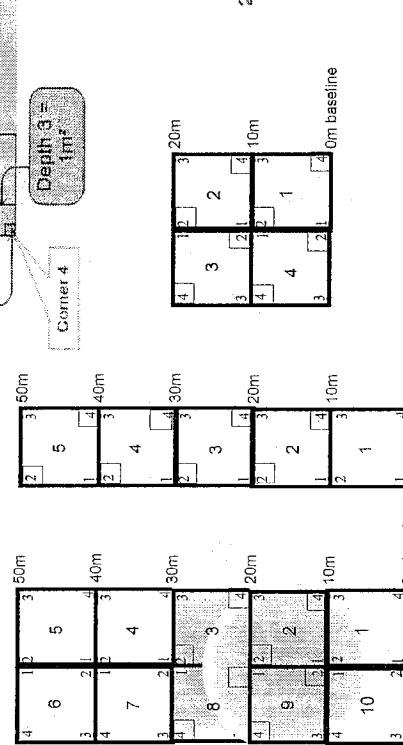
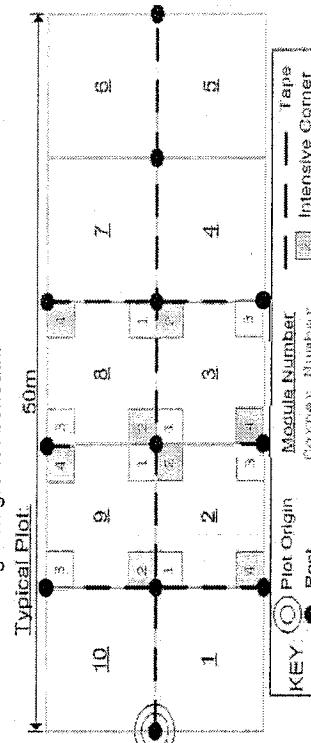
LOW OR NONE: there is no measurable browse line AND there are very few or no plants 1-m nested quadrat and intensive module. In general, low values relate to less than 10 percent, by numbers of stems browsed.

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

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 plants. **MEDIUM HIGH** values include evidence of a browse line and 25 percent of stems browsed with very little preferential browse and/or browse lines for some species of plants, reproduction does not appear to occur or it is very severely limited.

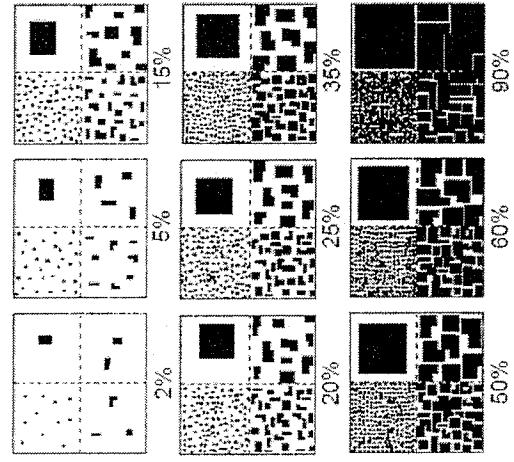
HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module **AND** a browse line is evident.

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



EXAMPLES OF PERCENT OF AREA COVERED

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



BROWSE RATING NARRATIVE DESCRIPTION

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

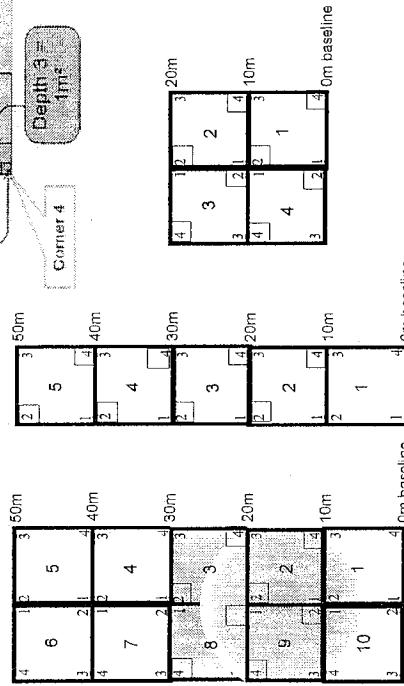
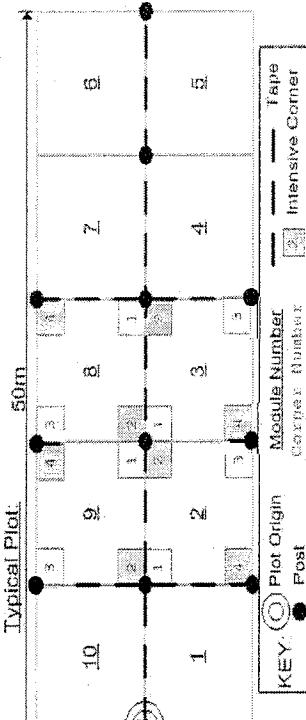
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

Plot no.: 1126

Page 4 of 4

Project Label: PCAP Project name: CMJS2011

Plot configuration: _____

Plot area (ha): _____

Total modules: _____

Visual est. % open water entire site: _____

Intensive modules: _____

Visual est. % univag. o.w. entire site: _____

Strata - Cov. entire plot

Visual est. % invasives entire site: _____



CLEVELAND
METROPARKS

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

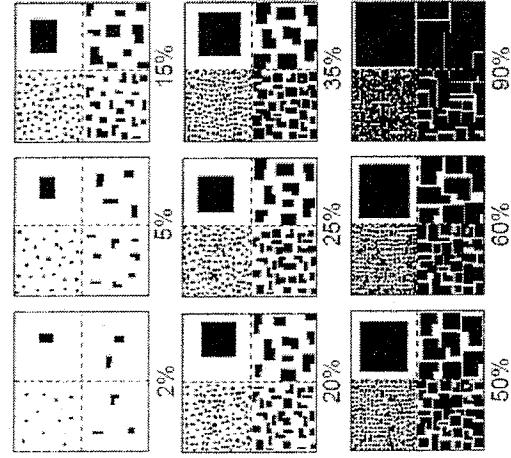
Estimate for each
intensive module:

	mod	corner																		
	depth	cov																		
%unvegetated open water	1			1			1			1			1			1			1	
%unveg. ground (bare soil)	1			1			1			1			1			1			1	
%unveg. litter (bare litter)	1			1			1			1			1			1			1	

T	S	H	(F)	(A)	Br	Species	C	Voucher #	depth	cov										
4	X	1	10			<i>Rhus ciliata</i>														
						<i>Liquidambar styraciflua</i>														
						<i>Cercis canadensis</i>														
4	X	2				<i>Fraxinus americana</i>														
						<i>Vitis riparia</i>														
3	X	1				<i>Quercus bicolor</i>														
						<i>Betula lutea</i>														
						<i>Fraxinus nigra</i>														
4	X	1				<i>Viburnum opulus</i>														
						<i>Ostrya virginiana</i>														

EXAMPLES OF PERCENT OF AREA COVERED

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



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.

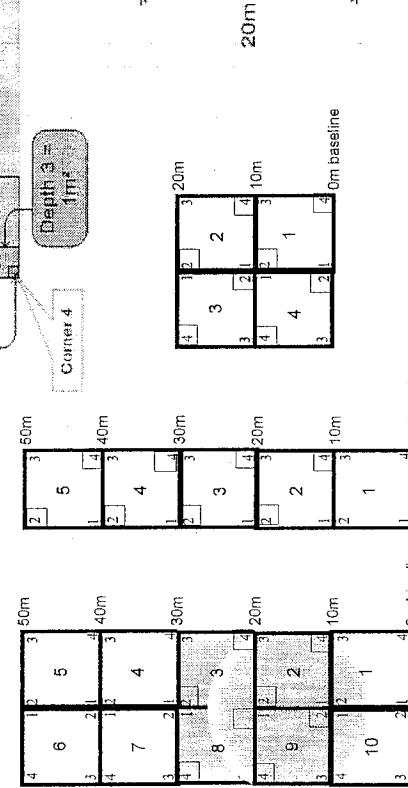
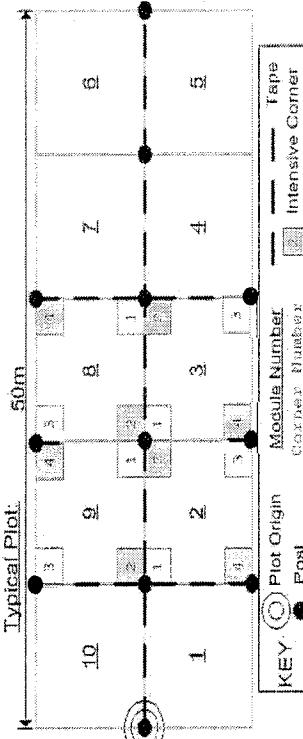
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas. 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: Olmst 2011

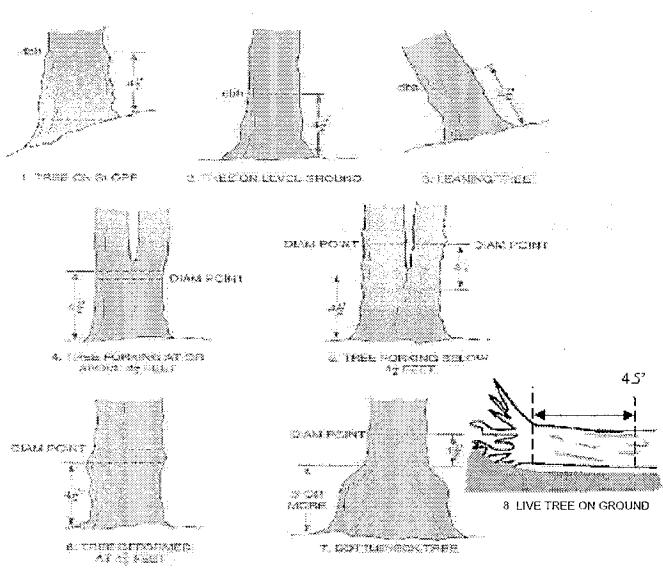
Plot No.: 126

Page: 1 of 4

Explain subsample (additional room on back):

mod #	species	c voucher#	# stems browsed	% sub sample	# shrub	size class (cm) woody stems >1m	1										11 >40 (record each tree)
							0-1	2	3	4	5	6	7	8	9	10	
1	<i>Carya ovata</i>						•	•	•	•	•	•	•	•	•	•	49.3
1	<i>Tilia americana</i>						•	•	•	•	•	•	•	•	•	•	
1	<i>Quercus palustris</i>						•	•	•	•	•	•	•	•	•	•	
1	<i>Styrax obassia</i>						•	•	•	•	•	•	•	•	•	•	
1	<i>Fraxinus americana</i>						•	•	•	•	•	•	•	•	•	•	
1	<i>Acer rubrum</i>						•	•	•	•	•	•	•	•	•	•	
1	<i>Crataegus sp</i>						•	•	•	•	•	•	•	•	•	•	
2	<i>Carya ovata</i>						•	•	•	•	•	•	•	•	•	•	
2	<i>Tilia americana</i>						•	•	•	•	•	•	•	•	•	•	411.1
2	<i>Cupressus palustris</i>						•	•	•	•	•	•	•	•	•	•	
2	<i>Pinus nigra</i>						•	•	•	•	•	•	•	•	•	•	
2	<i>Populus tremuloides</i>						•	•	•	•	•	•	•	•	•	•	
2	<i>Styrax obassia</i>						•	•	•	•	•	•	•	•	•	•	
3	<i>Tilia americana</i>						•	•	•	•	•	•	•	•	•	•	
3	<i>Acer rubrum</i>						•	•	•	•	•	•	•	•	•	•	
3	<i>Pinus nigra</i>						•	•	•	•	•	•	•	•	•	•	
3	<i>Fraxinus pennsylvanica</i>						•	•	•	•	•	•	•	•	•	•	
4	<i>Pinus strobus</i>						•	•	•	•	•	•	•	•	•	•	50.3, 41.4
4	<i>Picea abies</i>						•	•	•	•	•	•	•	•	•	•	
4	<i>Acer rubrum</i>						•	•	•	•	•	•	•	•	•	•	
4	<i>Ligustrum vulgare</i>						•	•	•	•	•	•	•	•	•	•	
5	<i>Pinus strobus</i>						•	•	•	•	•	•	•	•	•	•	41.5
5	<i>Liquidambar styraciflua</i>						•	•	•	•	•	•	•	•	•	•	
5	<i>Lunaria macrophylla</i>						•	•	•	•	•	•	•	•	•	•	

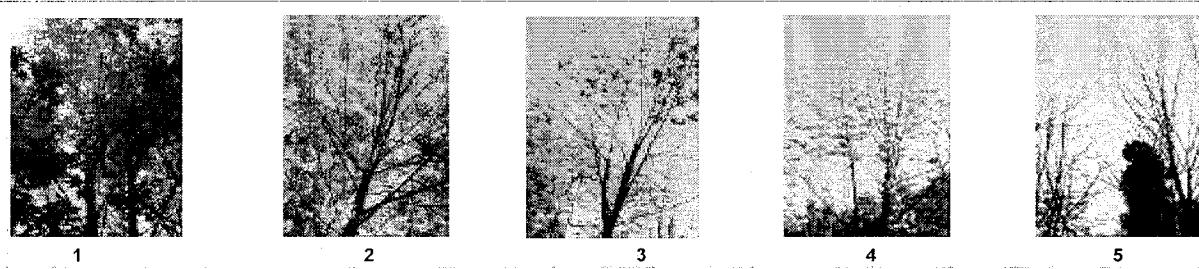
DBH Measurement Rules



Woody Stem Deer Browse

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

Record using the tally system from 1 to 10



ASH CANOPY CONDITION

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



A



B



C



D



E

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: CMS 2011

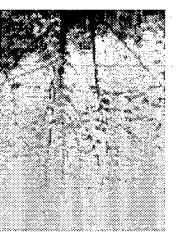
Plot No.: 1126

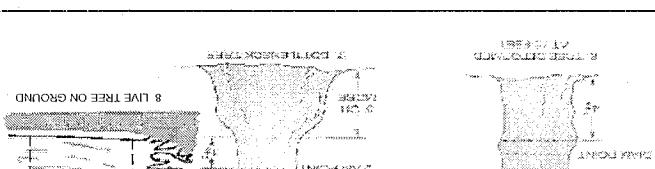
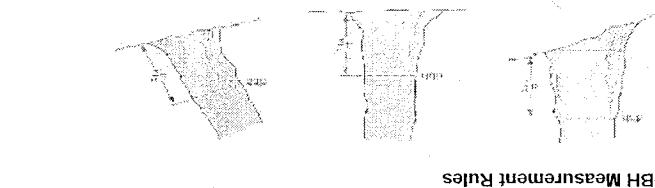
Page: 2 of 4

Explain subsample (additional room on back):

mod #	species	c	voucher#	browsed	# stems 0.5-m or super sample	# shrub clumps	size class (cm) woody stems >1m										11 >40 (record each tree)
							1	2	3	4	5	6	7	8	9	10	
5	<i>Acer rubrum</i>																
5	<i>Liriodendron tulipifera</i>																
5	<i>Rosa multiflora</i>				1												
6	<i>Ligustrum vulgare</i>																
6	<i>Malus prunifera</i>																
6	<i>Staphylinus distinctus</i>																
6	<i>Actaea rubra</i>																
6	<i>Toxicodendron radicans</i>																
6	<i>Prunus pensylvanica</i>																
6	<i>Ulmus americana</i>																
6	<i>Quercus rubra</i>																
6	<i>Sassafras albidum</i>																
6	<i>Acer saccharinum</i>																
7	<i>Fraxinus americana</i>																
7	<i>Quercus bicolor</i>																
7	<i>Sassafras glabellum</i>																
7	<i>Toxicodendron radicans</i>																
7	<i>Malus prunifera</i>																
7	<i>Tilia americana</i>																
7	<i>Acer saccharinum</i>																
8	<i>Acer rubrum</i>																

<p align="center">ASH CANOPY BREAKUP CONDITION (for dead trees):</p> <p align="center">(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 align="center">A B C D E</p> 				
<p>E: Central stem still standing.</p> <p>D: Stem still standing and tertiary main branches have fine twigs.</p> <p>C: Less than 50% of main branches have fine twigs.</p> <p>B: Over 50% of main branches have fine twigs.</p> <p>A: All main branches contain fine twigs (newly dead).</p>				

<p align="center">ASH CANOPY CONDITION</p> <p align="center">1 2 3 4 5</p>     				
<p>1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.</p> <p>2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.</p> <p>3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves).</p> <p>4. Sunlight, die naturally and are not considered.</p> <p>5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as 5 even if there are epicormic sprouts below the canopy.</p>				

<p align="center">DBH Measurement Rules</p>  <p>Record using the tally system from 1 to 10</p> <p>Wood Stem Deer Browse</p> <p>Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this year's deer browse</p> 	<p align="center">DBH Measurement Rules</p> 
--	---

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: Clyde 2011

Plot No.: 1126

Page: 3 of 4



Explain subsample (additional room on back):

mod #	species	c	voucher#	browsed	#	size class (cm) woody stems > 1m	% sub shrub sample										11 > 40 (record each tree)
							0-1	2	3	4	5	6	7	8	9	10	
7	<i>Prunus pensylvanica</i>				1												
✓	<i>Carus floridana</i>				2												
✓	<i>Fraxinus americana</i>				3												
✓	<i>Rosa multiflora</i>	2			4												
✓	<i>Vitis riparia</i>				5												
✓	<i>Tilia americana</i>				6												
✓	<i>Prunus pensylvanica</i>				7												
✓	<i>Staphys agricola</i>				8												
✓	<i>Ligustrum vulgare</i>				9												
✓	<i>Morus rubra</i>				10												
✓	<i>Ulmus americana</i>				11												
✓	<i>Rosa multiflora</i>	2			12												
✓	<i>Ailanthus altissima</i>				13												
✓	<i>Staphys agricola</i>				14												
✓	<i>Morus rubra</i>				15												
✓	<i>Prunus pensylvanica</i>				16												
✓	<i>Rosa multiflora</i>	3			17												
✓	<i>Ailanthus altissima</i>				18												
✓	<i>Fraxinus pennsylvanica americana</i>				19												
✓	<i>Sassafras albidum</i>				20												
✓	<i>Vitis riparia</i>				21												
✓	<i>Tilia americana</i>				22												
✓	<i>Carya ovata</i>				23												
✓	<i>Vitis americana</i>				24												

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: 6IM32011

Plot No.: 1126

Page: 7 of 10

七
中華書局影印
明倫彙編

Explaining subsampling (subsampling for model selection).

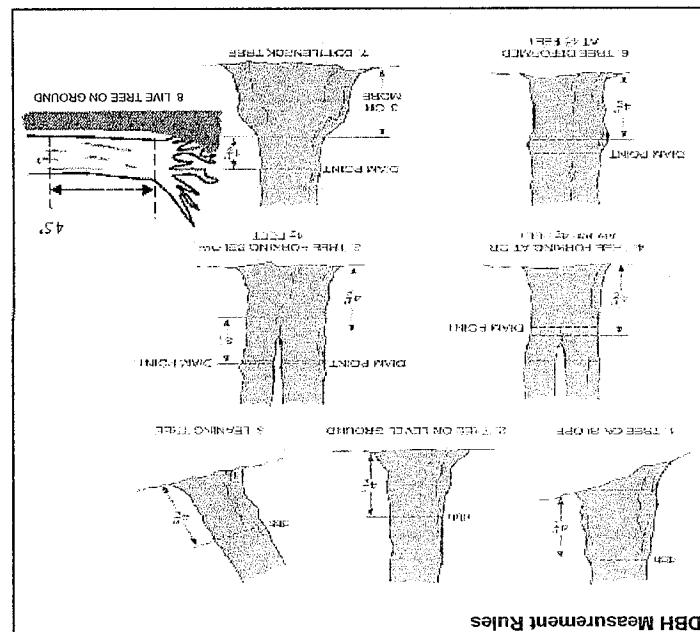
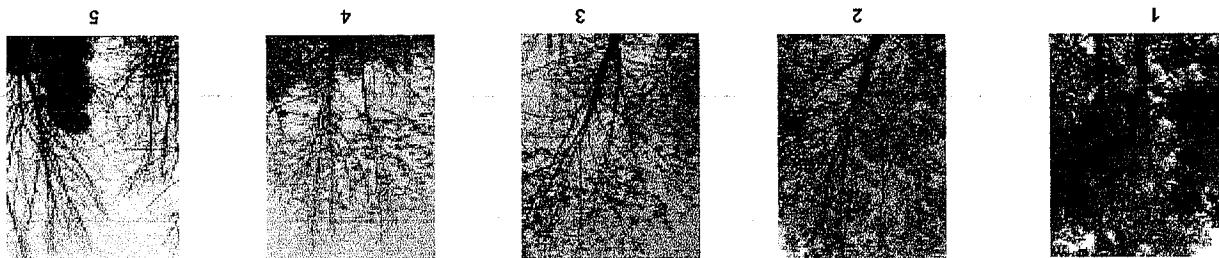
ASUCH CANOPY BREAKUP CONDITION (for dead trees): If an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition

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



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:** Sunlight is hitting 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 epiphytic sprouts below the canopy (lowest branch) on the trunk.

ASH CANOPY CONDITION



CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection/ Rapid response		Presence				GPS
		NE	SE	SW	NW	
Microstegium vimineum	Japanese stiltgrass					
Ranunculus ficaria	Lesser Celandine					
Cynanchum louiseae (vine)	Black Swallow-wort					
Butomus umbellatus (wetland)	Flowering Rush					
Heracleum mantegazzianum	Giant Hogweed					
Tier 2: Assess as Needed		# of Plants				comments
		NE	SE	SW	NW	
Acer platanoides	Norway Maple					
Ailanthus altissima	Tree of Heaven					
Lonicera japonica (vine)	Japanese Honeysuckle	1			1	
Lythrum salicaria (wetland)	Purple Loosestrife					
Aegopodium podagraria (G-cover)	Bishop's Goutweed					
Celastrus orbiculatus (vine)	Asian Bittersweet					
Torilis sp.	Hedgeparsley					
Conium maculatum	Poison Hemlock					
Rhamnus cathartica	Common Buckthorn (shrub)	2	2			
Berberis thunbergii	Japanese Barberry (shrub)	1				
Alnus glutinosa	European Alder	1	1			
Dipsacus laciniatus	Cut-leaf Teasel			1		
Elaeagnus umbellata	Autumn Olive (shrub)					
Lonicera maackii	Amur Honeysuckle (shrub)	1				
Euonymus fortunei	Wintercreeper					
Tier 3: Presence is of Interest		# of Plants				comments
		NE	SE	SW	NW	
Convallaria majalis (G-cover)	Lily of the Valley					
Coronilla varia (G-cover)	Crown Vetch					
Eleutherococcus pentaphyllus	Five-leaf Aralia (shrub)					
Pachysandra terminalis (G-cover)	Japanese Pachysandra					
Philadelphus coronarius	Mock Orange (shrub)					
Pulmonaria officinalis (G-cover)	Lungwort					
Rubus phoenicolasius	Wineberry					
Iris pseudacorus (wetland)	Yellow Flag Iris					
Ornithogalum umbellatum	Star of Bethlehem					
Viburnum opulus var. opulus	European Cranberry (shrub)			1		
Viburnum plicatum	Doublefile Viburnum (shrub)					
Tier 4: Widespread and abundant		Presence				comments
		NE	SE	SW	NW	
Alliaria petiolata	Garlic Mustard		X	X	X	
Ligustrum vulgare	Common Privet (shrub)	X	X	X	X	
L. morrowii, L. tatarica	Bush Honeysuckles (shrub)		X	X		
Phalaris arundinacea	Reed Canarygrass			X	X	
Phragmites australis (wetland)	Phragmites					
Polygonum cuspidatum	Japanese Knotweed					
Frangula alnus	Glossy Buckthorn (shrub)	X	X	X	X	
Rosa multiflora	Multiflora Rose (shrub)	X	X	X	X	
Typha angustifolia, T. x. glauca	Cattails (wetland)					
Cirsium arvense	Canada thistle			X	X	
Dipsacus fullonum	Common Teasel			X	X	
Hesperis matronalis	Dame's Rocket					
Vinca minor (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* SheetProject Label: PCAPProject Name: OHM S201INTENSIVE MODULES ONLY TREES $\geq 10\text{cm}$ ONLYMap all ash trees $\geq 10\text{cm}$ in each module using Tree ID number

Page: 1 of 2

Plot No.: 1125 Date: 7/27/11

Module ID.	Tree ID.	Species	Dead c	Voucher #	DBH (cm)	Ht @ DBH (cm)	Ash condition	Dead holes	ASH ONLY		
									# Exit holes	# Epicormic present	Woopecker holes
3	1	<i>Fraxinus</i> <i>Prainii</i>	0	168	3	0	0	1	1	1	
3	2	<i>Fraxinus</i> <i>prae-Subintegerrima</i>	0	107	4	0	1	0	1	1	
8	3	<i>Fraxinus</i> <i>americana</i>	0	136	3	0	0	0	0	0	
8	4	<i>Fraxinus</i> <i>caroliniana</i>	0	168	2	0	0	0	0	0	
8	5	<i>Fraxinus</i> <i>americana</i>	0	166	2	0	0	0	0	0	
8	6		0								
7	7		0								
8	8		0								
9	9		0								
10	10		0								
11	11		0								
12	12		0								
13	13		0								
14	14		0								
15	15		0								
16	16		0								
17	17		0								
18	18		0								
19	19		0								
20	20		0								
21	21		0								
22	22		0								
23	23		0								
24	24		0								
25	25		0								

* If Ash Condition scores 5 (dead) provide breakup score (A-E)

Count FAB exit holes $1.25\text{m}^2 \times 2\text{.5m}$
Woodbecker and epicormic marked present(1) or absent(0)

Baseline	9	8
	~	~
	~	~
	2	3
	~	~

*** Change intensive module numbers when necessary

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



Project label: PCAP Project Name: CM2011

Plot No.: 1126

Page: 1 of 1

SOIL PIT DESCRIPTION: Excavate 20 cm plug w/ shovel. Describe using Munsel chart, visual exam, texture, and odor.

Soil pit module # 3 (one per entire plot)

5 cm	matrix color <u>10YR 2/2</u>
mottle color	<u>None</u>
%mottle	<u>/</u>
oxid roots	<u>Y</u> <u>SN</u>
texture*	<u>I</u>
redox features**	<u>Y</u> <u>GP</u>
hydr. cond.***	<u>I</u> <u>S</u> <u>SD</u> <u>D</u>
20 cm	matrix color <u>10YR 4/4</u>
mottle color	<u>None</u>
%mottle	<u>/</u>
oxid roots	<u>Y</u> <u>GP</u>
texture*	<u>I</u>
redox features**	<u>Y</u> <u>GP</u>
hydro. cond. ***	<u>I</u> <u>S</u> <u>SD</u> <u>D</u>
* refer to texture classes on reverse side	
** e.g. hydrogen sulfide odor, gleying, etc.	
*** Circle one: I=indurated S=saturated M=moist D=dry	

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

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)
2	1.5	1.5	58	Ø	>30
3	0.4	0.4	700	Ø	>30
8	Ø	Ø	87	Ø	>30
9	Ø	Ø	100	Ø	>30

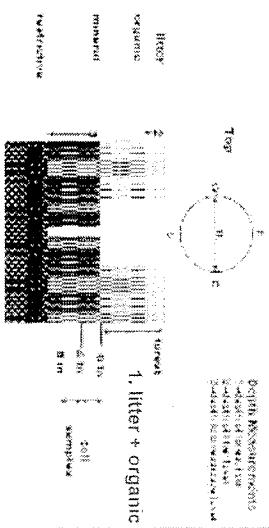
Length of soil probe = 125 cm

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

Depth measurements
1. litter + organic
2. litter + topsoil
3. restrict. layer
4. no soil
5. sample

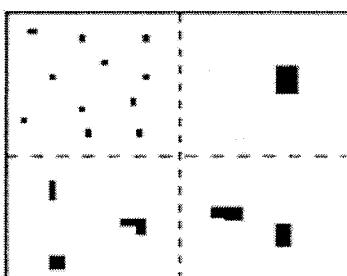
Well drained	<input type="checkbox"/>
Moderately well dr.	<input type="checkbox"/>
Somewhat poorly dr.	<input checked="" type="checkbox"/>
Poorly dr.	<input type="checkbox"/>
Very poorly dr.	<input type="checkbox"/>
Impenetrable surface	<input type="checkbox"/>

Depth to restrictive feature
>80

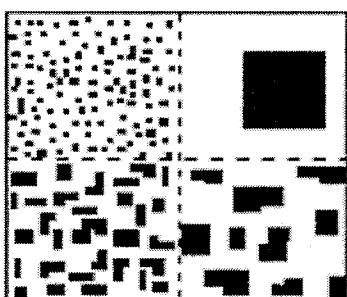


PERCENT MOTTLES (USE CLASS CODES):

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



2%



20%

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

0= Organic

1= Loamy

2= Clayey

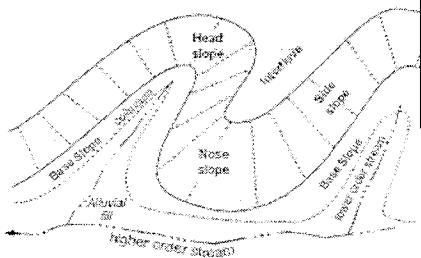
3= Sandy

4= Coarse Sand

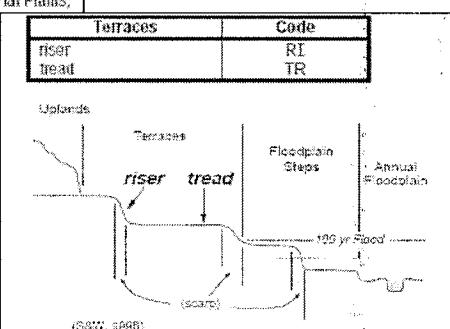
9= Not measured - make plot note

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

Hills	Code PDP	Code NASIS
interfluve	IF	IF
head slope	HS	HS
nose slope	NS	NS
side slope	SS	SS
base slope	—	BS



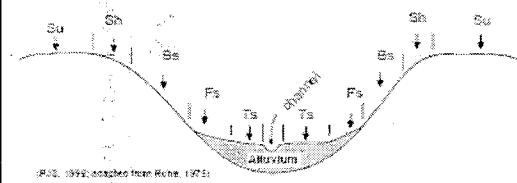
(PJS, 1998; adapted from Rusk, 1975)



(SCH, 1998)

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

Position	Code
summit	SU
shoulder	SH
backslope	BS
footslope	FS
toeslope	TS



(PJS, 1998; adapted from Rusk, 1975)

HYDROLOGIC REGIME

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

UPLAND: Not a wetland. Very rarely flooded.

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

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

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

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

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

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

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

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

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
 Project Label: PCAP Project Name: 01 M3201

Plot No.: 112C

Page: 1 of 1
 © The Cleveland Metroparks

COVER BY STRATA		If total fails in plot record type and cover for each	
mid points of ext 3 & 13 (18%)	Height Range	Total Cover (%)	Type
Strata	5 m	43%	All Purpose
Tre	5 - 10	43%	Bridge
Shrub	0.5 - 5	8%	Hiking sanctioned
Herb	0 - 0.5	28%	Boat unsanctioned
Floating*	-	-	Gravel
(Aquatic)**	-	-	Deer
** submerged, most plant mass below surface			
* rooted and floating or slightly emersed			
SEE BACK OF PAGE FOR "TYPICAL" STRATA DESCRIPTIONS, STRATA CAN VARY BY COVER TYPE.			

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

MICROTERRAINIC FEATURE COUNTS - Intensive modules only

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

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

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

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

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

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

no. of tufts	no. of hummocks	c.w.d.	c.w.d.	c.w.d.	microchar.	microchar.
depth 3	depressions (2-12 cm)	(12-40 cm)	>40 cm	interspersed	+45 degrees	N
1x1m	depth 2	depth 1	depth 1	depth 1	+90 degrees	NE
	3.16x3.16m	10x10m	10x10m	10x10m	+90 degrees	E
mod#	corner	(count)	(count)	(count)	+135 degrees	SE
2	Ø	Ø	i4	Ø	+135 degrees	SW
3	Ø	Ø	i4	Ø	+180 degrees	S
8	Ø	Ø	1	Ø	+225 degrees	SW
9	Ø	Ø	10	Ø	+270 degrees	W
					+315 degrees	NW

NOTE: tussock and hummocks are counted in BOTH nested quadat corners but counts are aggregated.

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

c.w.d. = coarse woody debris

microchar. interspersed = overall ranking of plot microtopographic interspersion complexity using scale below

Module	N	S	E	W
2	4	3	4	2
3	6	3	4	2
8	11	8	16	4
9	0	1	3	4

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

Module	N	S	E	W
2	4	3	4	2
3	6	3	4	2
8	11	8	16	4
9	0	1	3	4

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

	Aspect	N	E	W	
LFI*	TSI**	LFI is angle of plot to the horizon. TSI is angles found by local steps. For TSI measure angle from recorder eye to eye of person standing ~10 m aw.			
		+45 degrees	NE		
		+90 degrees	E		
		+135 degrees	SE		
		+180 degrees	S		
		+225 degrees	SW		
		+270 degrees	W		
		+315 degrees	NW		

* Landform Index (position within landscape)

** Terrain Shape Index (site microtopographic shape)

COVER BY STRATA

STRATUM	GENERAL FORM
Tree (generally >5 m)	Tree (overstory), very tall shrubs*, liana, epiphyte)
Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, epiphyte)
Herb (Field)	Herb, dwarf-shrub**, tree (seedling***)
Floating	Floating
Aquatic (submerged)	Submerged

*Very tall shrubs are sometimes included in the tree stratum

**Can also include seedlings of shrubs, i.e. all shrubs <0.5m

***Tree seedlings are often defined as up to 1.4 m height or as <2.5 cm DBH in which case they would span the herb and shrub layers.

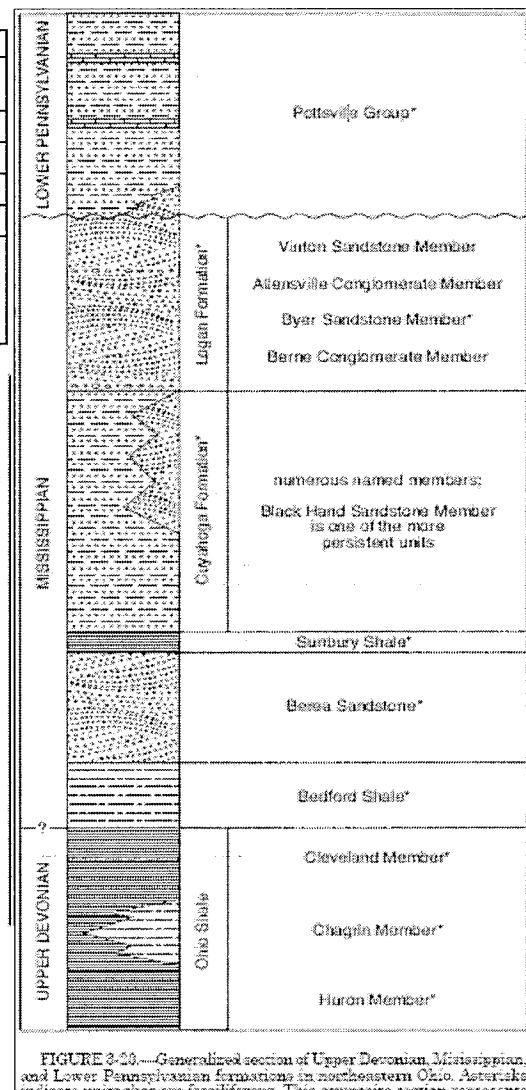
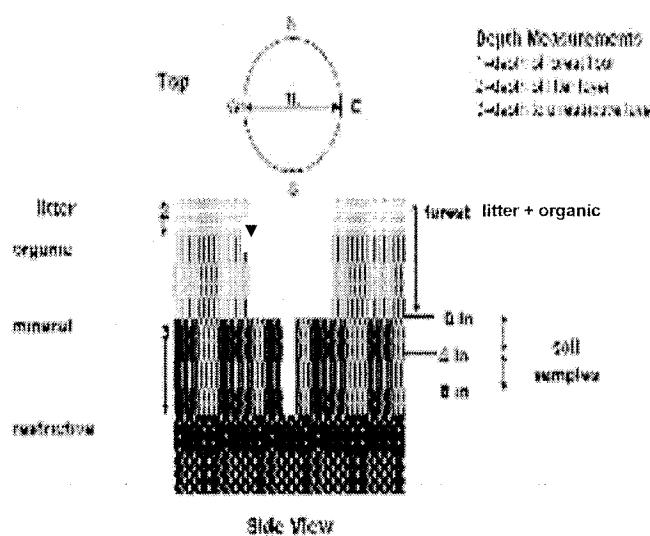


FIGURE 3-10.—Generalized section of Upper Devonian, Mississippian, and Lower Pennsylvanian formations in northeastern Ohio. Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicate approximate proportional. The term "Waverly" is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European term "Carboniferous," which encompasses the Mississippian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fairly widespread but discontinuous. See Hyde (1955), Hoover (1960), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-16 for explanation of rock types.

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP MS 1126

DATE: 07/05/2011

Location:

O AA Center O N O S O E O W

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

O Plot 1 O Plot 2 O Plot 3

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

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

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

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 (Front)

Reviewed by (initial): _____

Site ID: PCAP MS 1126

DATE: 07/05/2011

Location: AA Center O N O S O E O W						Fill in bubble(s) if plot(s) could not be sampled and flag →					
						<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 type="radio"/> 0		Buffer Plot 2	Canopy Type: <input type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0		Buffer Plot 3	Canopy Type: <input type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0				
	Leaf Type: <input type="radio"/> B <input type="radio"/> N		Flag			Leaf Type: <input type="radio"/> B <input type="radio"/> N		Flag			Leaf Type: <input type="radio"/> B <input type="radio"/> N		Flag				
Big Trees (>0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Big Trees (>0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Big Trees (>0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4	Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Small Trees (<0.3m DBH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Herbs, Forbs and Grasses	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Bare ground	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Bare ground	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4	Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Litter, duff	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Rock	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Rock	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Rock	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Water	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Water	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Water	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Submerged Vegetation	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Submerged Vegetation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	Submerged Vegetation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4

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

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

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

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

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

2428168304

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)											
Site ID: 111111											DATE: 1/1/11
Reviewed by (initials): _____											
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="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>	Johnsongrass	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Water Hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	Kudzu	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Yellow Flowering Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	Multiflora Rose	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Giant Salvinia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Perennial Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	Common Buckthorn	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Giant Muskrat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	Himalayan Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chenopodium	<input type="checkbox"/>	<input type="checkbox"/>	Tamisk	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Mile-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reed Canary Grass	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Bridleroot Trefoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leafy Spurge	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	Flag	
Provide GPS coordinates at the center of the Buffer Plot (#3) at the end of each Buffer transect and for the Buffer Plot at the AA CENTER. Indicate the location of GPS coordinates by filling in the appropriate bubble.											
④ 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 Buffer Transects were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.											
Location of coordinates (choose one):											
<input type="checkbox"/> AA CENTER <input type="checkbox"/> 03 <input type="checkbox"/> 033 <input type="checkbox"/> 03695 <input type="checkbox"/> Latitude North <input type="checkbox"/> 41 <input type="checkbox"/> 35070 <input type="checkbox"/> Longitude West <input type="checkbox"/> 081 <input type="checkbox"/> 83695 <input type="checkbox"/> Use Decimal Degrees; NAD83											
Flag											
Comments											
Buffer Sample Points - Targeted Species 05/27/2011 7966623548											

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP MS 116

DATE: 07/05/2011

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

Buffer Natural Cover Strata

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

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

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

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

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

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

2428168304

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

FORM B-1: BUFEER SAMPLE PLOTS - LARGE LED ALIEN SPECIES (Back) Revised

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

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)	Site ID: 0710512011	DATE: 07/05/2011	Revised by (initials): _____
---	---------------------	------------------	------------------------------

PLOT COORDINATES		Location of coordinates (choose one):		Comments		Flag
Provide GPS coordinates at the center of the Buffer Plot (#3) at the rear 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.		Buffer placed on the transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble. All Buffer Plot 3 can not be accessed, take the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. The coordinates are placed in the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.		<input type="checkbox"/> AA CENTER <input type="checkbox"/> S3 <input type="checkbox"/> E3 <input type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (flag and comment below)		
		Latitude North 41.349687 Longitude West 081.83682		Use Decimal Degrees; NAD83		
Buffer Sample Points - Targeted Alien Species 05/27/2011 7966623548						

LOT COORDINATES

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP MS 116

DATE: 07/05/2011

Location:

○ AA Center ○ N ○ S ○ E ○ W

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

Buffer Natural Cover Strata

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

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

Buffer Plot 1	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>		Buffer Plot 2	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>		Buffer Plot 3	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>	
	Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N		Flag			Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N		Flag			Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N		Flag	
Big Trees (>0.3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Big Trees (>0.3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Small Trees (<0.3m DBH)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Small Trees (<0.3m DBH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/>	<input checked="" 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 checked="" type="radio"/>	Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Herbs, Forbs and Grasses	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Herbs, Forbs and Grasses	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Herbs, Forbs and Grasses	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bare ground	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Bare ground	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Bare ground	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Litter, duff	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Litter, duff	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Litter, duff	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Rock	<input checked="" 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"/>	Rock	<input checked="" 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"/>	Water	<input checked="" 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"/>
Submerged Vegetation	<input checked="" 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"/>	Submerged Vegetation	<input checked="" 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 checked="" type="radio"/>	Ditches, Channelization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Pasture/Hay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Road - two lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Dike/Dam/Road/RR Bed (IMPEDE FLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Range	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Road - four lane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Water Level Control Structure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Row Crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Parking Lot/Pavement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Excavation, Dredging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Golf Course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Fill/Spoil Banks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Lawn/Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Nursery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Suburban Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Soil Loss/Root Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Trash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Impervious surface input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" 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 checked="" type="radio"/>	Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Recently Burned Forest Canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	

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

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

2428168304

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

⑨ Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

Eurasian Watermilfoil Purple Loosestrife Johnson Grass

www.ijerph.org

yellow Floating Heart                       

Giant Salvinia                                      <img alt

RECOMMENDED: [View Details](#) | [Edit](#) | [Delete](#) | [Print](#) | [Email](#) | [Share](#)

Poison Hemlock Tamanisk Cheatgrass

Birdsfoot Trefoil Common Reed Other

Canadian Thistle Leafy Spurge Other Other Other Other

Digitized by srujanika@gmail.com

PLT COORDINATES

更多資訊請上 www.104.com.tw 或撥打 104 服務專線 02-2787-3734

PLLOT COORDINATES

Plots are centered on the Buffer Transsects and the coordinates will indicate the location of the transect. Fill in the nearest practicable location, double, fill in the flag box, and describe where the Buffer Transsects 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): AACENTER O33 E3 W3 Nearest practicable location (flag and comment below)

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

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAD MS 1126

DATE: 07/05/2011

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

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

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

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

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

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

2428168304

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)											
Site ID: PCA MS 2011			DATE: 07/05/2011			Reviewed by (initials):					
③ 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 2	3	Flag	Fill bubble if present - Plot 3	2	3	Flag	Fill bubble if present - Plot 4
Eurasian Watermilfoil	<input type="checkbox"/>	<input type="checkbox"/>	Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>	Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	Kudzu	<input type="checkbox"/>	<input type="checkbox"/>
Yellow Floating Heart	<input type="checkbox"/>	<input type="checkbox"/>	Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	Multiflora Rose	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Giant Saurina	<input type="checkbox"/>	<input type="checkbox"/>	Pennant Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	Common Buckthorn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Garlic Mustard	<input type="checkbox"/>	<input type="checkbox"/>	Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	Himalayan Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	Chenopodium	<input type="checkbox"/>	<input type="checkbox"/>	Tamansk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mile-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>	Reed Canary Grass	<input type="checkbox"/>	<input type="checkbox"/>	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Birdsfoot Trefoil	<input type="checkbox"/>	<input type="checkbox"/>	Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	Leaffy Spurge	<input type="checkbox"/>	<input type="checkbox"/>	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of 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 centred 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.											
Flag											
Location of coordinates (choose one):											
Latitude North 41.35652 Longitude West 081.83824 Use Decimal Degrees; NAD83											
AA CENTER <input type="checkbox"/> N3 <input type="checkbox"/> S3 <input type="checkbox"/> E3 <input checked="" type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (flag and comment below)											
Comments											
1 41° 35' 6.52" N 81° 8.38' W Flag											

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

GENERAL INFORMATION

Project Label: PCAP

Project Name:

Plot Name:

Plot No.:

Level 4 (no nested corners sampled)

Level 5 (nested corners sampled)

Date (mm/dd/yyyy): / /

End date (if > 1 day): / /

Party

Role**

Plot leader

Other

Ass't, Guide, Owner, Taxonomist, etc

PLOT NOT SAMPLED:

Other (specify) Map GPS

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

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

Coordinate system:

Coord. Units

Lat/Long UTM StatePlane deg deg min

Other (specify) m ft in

Datum: NAD83/WGS84 NAD27

Latitude:

Longitude:

Coord. Accuracy: m ft + -

GPS File Name:

Plot size for cover data: (hectares)

Stems not sampled on this plot Stems absent

Stems present Plot size stems: (ha)

Depth: (1-5):

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

Camera No.: _____

Photo Nos.: _____

Authority: G&C Pub Date: 1998

Minimum required fields in Bold and Underlined

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

OVER

Park at Main street bell Diamond. Just after tracks.

Plot B 141m S. Go get 'em.

