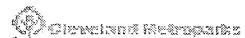


CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form



Project Label: PCAP

Plot No: 101 Date Sampled: 6/21/11 Lead: RS

Comment required if item answer is NO

Parking/Access outside of Park Boundaries.	Y <input checked="" type="radio"/> N <input type="radio"/>	If yes, write details in Comments section below	
Field journals completed	Y <input checked="" type="radio"/> N <input type="radio"/>		
Site sketch made on 1:3000 map?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Check cover page	X-axis Bearing of plot recorded	Y <input checked="" type="radio"/> N <input type="radio"/>	
	GPS coords. Recorded	Y <input checked="" type="radio"/> N <input type="radio"/>	
	North direction recorded	Y <input checked="" type="radio"/> N <input type="radio"/>	
	Photographs taken?	Y <input checked="" type="radio"/> N <input type="radio"/>	
Plot No., Date agreement on all pages?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Header data completed all pages?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Cover classes recorded in all Intensive modules	Y <input checked="" type="radio"/> N <input type="radio"/>		
Browse Level By Species	Y <input checked="" type="radio"/> N <input type="radio"/>		
Woody stem quality control check	Y <input checked="" type="radio"/> N <input type="radio"/>		
Invasive plant quality control check	Y <input checked="" type="radio"/> N <input type="radio"/>		
Ash trees mapped	Y <input checked="" type="radio"/> N <input type="radio"/>	N/A	
Cover by Strata? (confirm cover type)	Y <input checked="" type="radio"/> N <input type="radio"/>		
Soil samples collected with matching plot #.	Y <input checked="" type="radio"/> N <input type="radio"/>		
Vouchers labeled on datasheet with initials and number	Y <input checked="" type="radio"/> N <input type="radio"/>		
Vouchers labeled on collection bag	Y <input checked="" type="radio"/> N <input type="radio"/>		
Pink flags removed	Y <input checked="" type="radio"/> N <input type="radio"/>		
Data sheet QA before leaving site?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Common equipment returned to tub.	Y <input checked="" type="radio"/> N <input type="radio"/>		
Data sheets scanned?	10/23/11 Enter date to left		
Final data sheets scanned?	Enter date to left		
Buffer Widths measured?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Web Soil Survey	Y <input checked="" type="radio"/> N <input type="radio"/>		
Voucher Location (# vouchers collected)	Refrigerator	Y <input checked="" type="radio"/> N <input type="radio"/>	
	Press (#)	Enter number to left	
	Drier	Y <input checked="" type="radio"/> N <input type="radio"/>	
	Identified	Y <input checked="" type="radio"/> N <input type="radio"/>	
	Mounted	Y <input checked="" type="radio"/> N <input type="radio"/>	
	Thrown away	Y <input checked="" type="radio"/> N <input type="radio"/>	

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

© Cleveland Metroparks
Page 1 of 2

GENERAL INFORMATION		LOCATION	
Project Label: PCAP		State: OH County: MEDINA	
Project Name: 2/4/2011		Quadrangle: WEST RICHLAND	
Plot Name: THE LEDGES		Local Place Name: TOP OF THE LEDGES	
Plot No.: 1101		Landowner: CLE METROPARKS	
■ Level 4 (no nested corners sampled)		X-axis Bearing of plot: [240] °	
■ Level 5 (nested corners sampled)		Data Confidentiality:	
Date (mm/dd/yyyy): 02/01/2011		Check one: <input checked="" type="checkbox"/> Public data <input type="checkbox"/> Private Data	
End date (if > 1 day): / /		□ Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m	
Party: D. STEVENS		Reason: If data not public why?	
Role**: Plot Leader		Source of coordinates: <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS	
** Roles: Co-leader, Asst. Guide, Owner, Taxonomist, etc.		GPS location in plot x=0 to 5, y=-1,0,+1: x = 0 y = 0 (base of plot x=0, y=0)	
PLOT NOT SAMPLED: <input type="checkbox"/> Other		Coordinate system: Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane ■ deg <input type="checkbox"/> deg min <input type="checkbox"/> Other (specify): m <input type="checkbox"/> ft <input type="checkbox"/> in	
□ Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety		Datum: NAD83/WGS84 <input type="checkbox"/> NAD27	
SAMPLING QUALITY*		Latitude: 41.21928	
Effort Level: Very thorough		Longitude: 81.69864	
■ Accurate <input type="checkbox"/> Hurried		Plot size for cover data: 0.04 (hectares)	
TAXONOMIC ACCURACY		Plot size stems: 0.04ha	
■ High <input type="checkbox"/> Moderate <input type="checkbox"/> Low <input type="checkbox"/> Not sampled		Stems present: <input type="checkbox"/> Stems absent	
Vascular <input type="checkbox"/> Bryophytes <input type="checkbox"/> Lichen <input type="checkbox"/>		Plot size stems: 0.04ha	
Intensive modules: 2,3,4 (EDIT IF MODIFIED)		Depth: (1-5) 4	
Camera No.: 3		Photo Nos.: 470-72	
TAXONOMIC STANDARD		APG and Flora (epiphytes) spp. (Cannophyllum, Vicia, Allium, etc.) Deer browse Medium.	
Authority: G&C		Pub Date: 1998	

Minimum required fields in Bold and Underlined

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

OVER

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name: 04/14/2011

Cleveland Metroparks

Plot No: 1101

Page 2 of 2

CLASSIFICATION

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

Hydrogeomorphic class (WETLANDS ONLY):

- DEPRESSION
 - 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)
- Fit and Confidence
- Fit= Conf=

Ohio EPA VIBI 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
- Fit= Conf=
- Fit= Conf=
- Fit= Conf=

MODIFIED NATURE RESERVE CLASS*

CODE (on separate form): *W02*

COMMUNITY NAME:

BLACKBERRY THICKET

LANDFORM TYPE*:

Deer trail in plot

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

DRAINAGE*

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

Former Land Use: *Deer trail in plot*

HYDROLOGIC REGIME*

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

DISTURBANCES *Deer trail in plot*

- Human L 110 5 trash (broken bottle)
- Natural L 5 100 grape-vine canopy collapse
- Fire
- Cut
- Animal M 100 deer browse + possibly other (groundhog?)
- Other

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

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

Deer trail in plot

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 1 of 4

Project Label: PCAP

Project name: 01/14/2011

Plot no.: 1101

Total modules: 4

Intensive modules: 4

Plot configuration: 2 x 2

Plot area (ha): 0.64

Visual est. % open water entire site: 0

Visual est. % invasives entire site: 3



**Cleveland
Metroparks**

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

%unvegetated open water

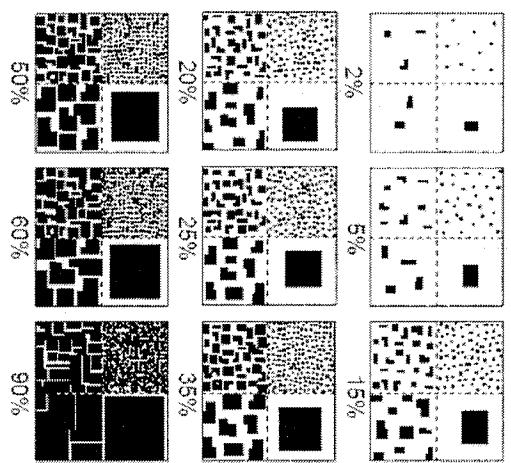
%unveg. ground (bare soil)

%unveg. litter (bare litter)

Strata - Cov. entire plot	T	S	H (F) (A)	Br	Species	C	Voucher #	Estimate for each intensive module											
								mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner
8	2	2	3	3	<i>Rubus allegheniensis</i>	4	93	4	94	2	42	3	43	2	42	4	44	2	42
3	3	3	6	6	<i>Geum canadense</i>	3	34	2	22	4	34	3	34	4	34	3	34	3	34
3	3	3	6	6	<i>Olephilis hirsuta</i>	4	2	1	3+	4	32	3	22	4	32	3	32	3	32
3	3	3	9	9	<i>Zapatisia pallida</i>	3	32	3	44	2	22	2	22	4	34	3	34	3	34
5	5	3	3	3	<i>Polygonum virginianum</i>	4	33	4	33	4	63	4	43	4	43	4	43	4	43
5	2	1	1	1	<i>Liriodendron tulipifera</i>	1	3	2	2	2	2	2	2	2	2	2	2	2	2
2	2	1	1	1	<i>Solidago canadensis</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	1	1	1	<i>Rosa multiflora</i>	1	2	1	2	2	2	2	2	2	2	2	2	2	2
3	3	4	4	4	<i>Cirsium heterophyllum</i>	2	22	3	22	4	22	3	33	3	33	3	33	3	33
4	4	4	4	4	<i>Galium triflorum</i>	4	53	2	22	3	24	4	44	4	44	4	44	4	44
4	4	4	4	4	<i>Viola pedunculata</i>	25044	334	4	34	3	33	4	34	4	34	4	34	4	34
1	1	1	1	1	<i>Viola sibirica</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	5	1	1	1	<i>Oxybaphus thalictroides</i>	2484	43	3	33	4	44	4	42	4	42	4	42	4	42
1	2	1	1	1	<i>Tunus tenius</i>	X	DS051	2	14	1	1+	1	1+	1	1+	1	1+	1	1+
4	4	4	4	4	<i>Oxalis stricta</i>	2	32	4	42	4	44	4	44	4	44	4	44	4	44
4	4	4	4	4	<i>Maria petiolarata</i>	2	32	2	22	4	42	4	42	4	42	4	42	4	42
4	4	4	4	4	<i>Carex cephalophora</i>	2	2	3	2	1	2+	1	2+	1	2+	1	2+	1	2+
2	2	1	1	1	<i>Moss sp.</i>	4	24	1	2+	2	3	4	24	4	34	4	34	4	34
2	2	1	1	1	<i>Dryopteris carthusiana</i>	2	23	2	1	2	22	2	22	2	22	2	22	2	22
2	2	1	1	1	<i>Allium tricoccum</i>	1	1	1	1	2	22	1	22	2	22	2	22	2	22
2	2	1	1	1	<i>Carex digitalis</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	7	2	2	2	<i>Acers saccharum</i>	3	64	4	42	3	84	4	45	4	45	4	45	4	45
2	2	1	1	1	<i>Lonicera morrowii</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	<i>Damnacanthus prugen</i>	1	2+	1	2+	1	2+	1	2+	2	33	3	33	3	33

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.



Nested Corners



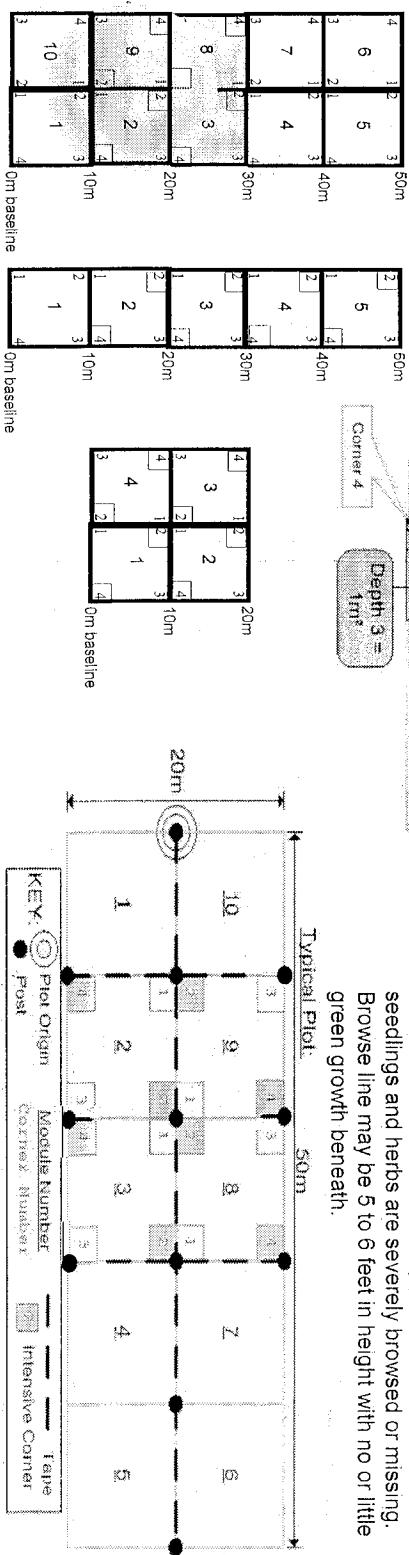
of plants.

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.

Typical Plot:



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

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 2 of 4

Project Label: PCAP Project name: 01 H 201 Plot no.: 1101

Total modules:

Intensive modules:

Plot configuration:

Plot area (ha):

Visual est. % open water entire site: _____

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

Visual est. %invasive entire site: _____


Cleveland
Metroparks

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

%unvegetated open water
%unveg. ground (bare soil)
%unveg. litter (bare litter)

Strata - cov. entire plot

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

Visual est. %invasive entire site: _____

Visual est. %unveg. ground bare soil entire site: _____

Visual est. %unveg. ground bare litter entire site: _____

Visual est. %unveg. open water entire site: _____

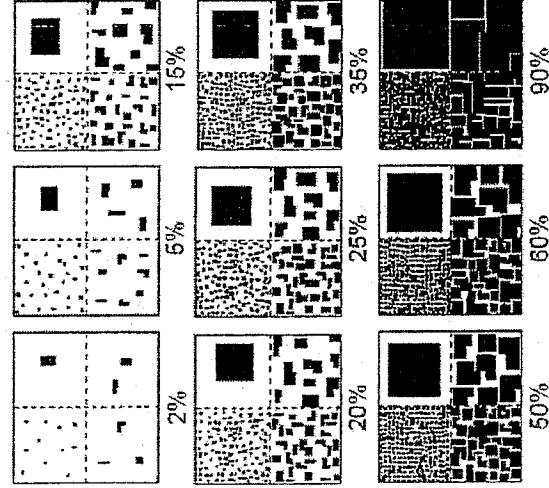
Visual est. %unveg. open water bare soil entire site: _____

Visual est. %unveg. open water bare litter entire site: _____

T	S	H	(F)	(A)	Br	Species	Estimate for each intensive module:													
							mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner
C	Voucher #	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth	cov	depth
4	2	2	8	8	Phragmites		2	2	2	2	2	2	3	4	3	2	4	4	4	2
																				R
																				cov
6	7	1	3	3	Cirsium heterophyllum		2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	4	4	Agoseris punctata		3	5	4	4	8	2	4	7	4	3	6	3	1	2
2	2	2	1	1	Liatris ligulistylis		2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	2	1	1	Physostegia virginiana		3	2	3	3	3	3	3	3	3	3	3	3	3	3
1	1	1	3	3	Carex sparganioides	DS039	4	2	1	1	1	1	1	1	1	1	1	1	1	1
1	2	2	1	1	Ulmus americana		X	85040	4	2	1	1	1	1	1	1	1	1	1	1
2	2	2	1	1	Carex rosea		X	85040	4	2	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	Abutilon theophrasti		3	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	1	1	Carex blanda		X	DS041	4	2	1	1	1	2	2	2	2	2	2	2
2	2	2	1	1	Fragaria ananassa		3	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	2	2	Fraxinus pennsylvanica		X	DS043	3	1	1	1	1	1	1	1	1	1	1	1
3	4	1	1	1	Fraxinus americana		3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	1	1	1	Aster	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	Aster	1	2	2												

EXAMPLES OF PERCENT OF AREA COVERED

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

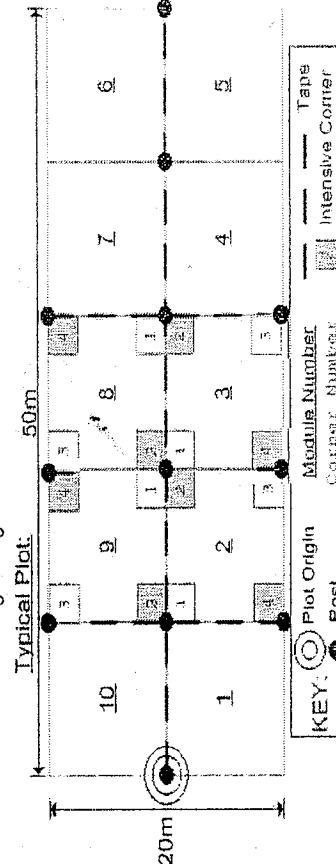
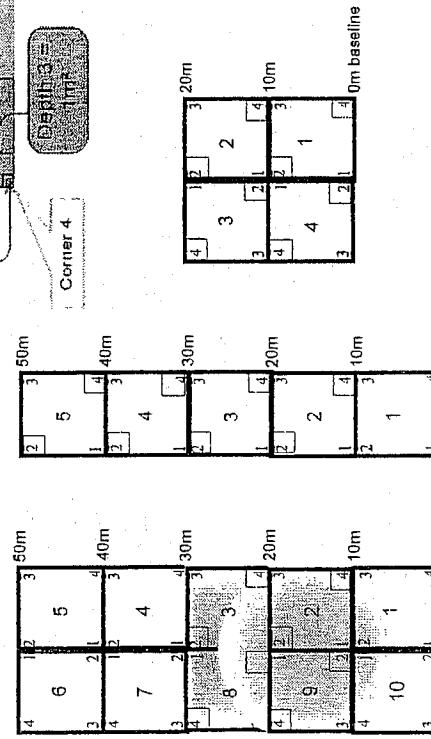
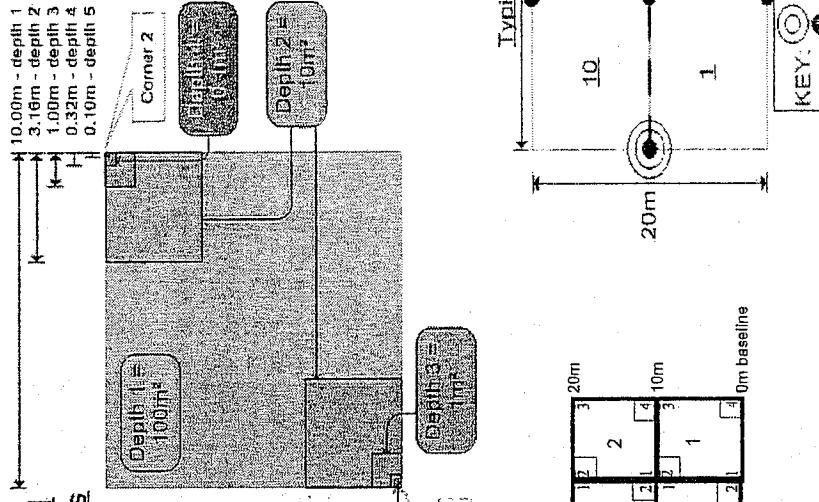
MEDIUM HIGH values include evidence of a browse line and 25 percent of stems browsed with very little vegetation regeneration evident. In this rating, for some species of plants, reproduction does not appear to occur or it is very severely limited.

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.

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



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 3 of 4

Project Label: PCAP

Project name: 0144 201

Plot no.: 1101

Plot area (ha):

Total modules:

Intensive modules:

Plot configuration:

Visual est. % open water entire site:

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

Plot area (ha):



Cleveland
Metroparks

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

%unveg. ground (bare soil)

%unveg. litter (bare litter)

Strata - Cov. entire plot

mod corner mod corner

depth cov depth cov

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

%open water

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

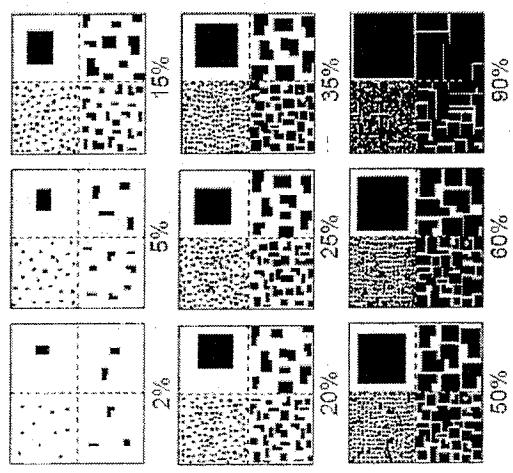
1

1

1

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to convey 'Amount' or 'Quantity'. **NOTE:** Within any given 100% 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.

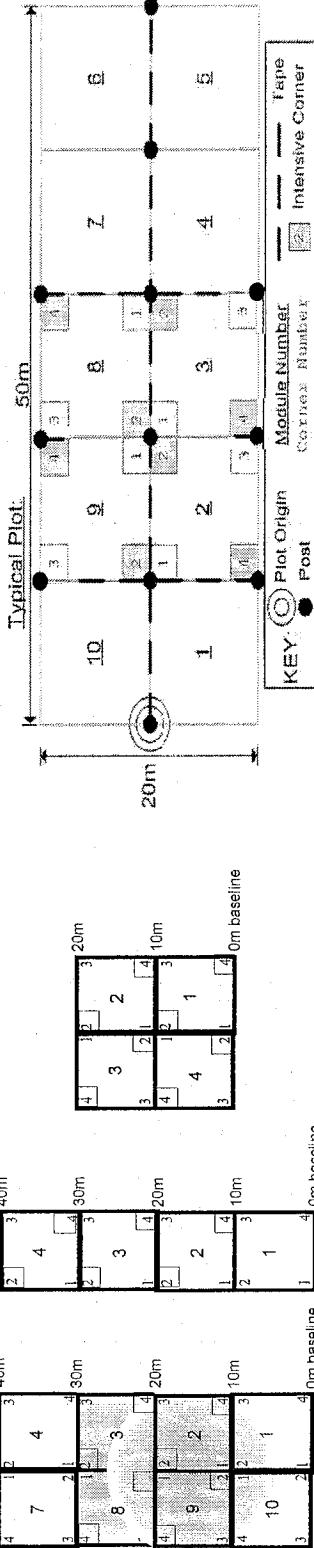
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

Project Label:

Total modules

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

Intensive modules: _____ Plot configuration: _____
% surveying o.w. entire site: _____ Visual test: % invasives entire site: _____

Plot area (ha): _____

Elementary
Mathematics

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

Strata - Cov. entire plot

111

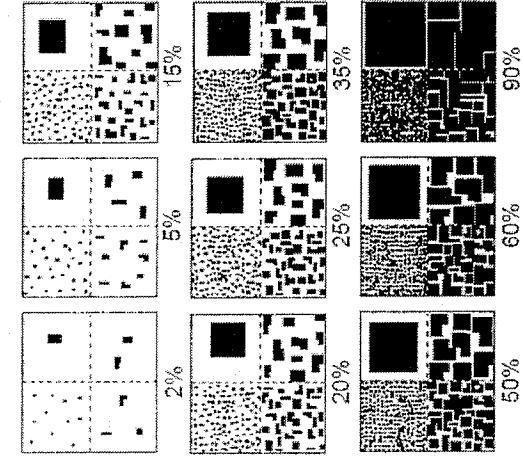
%unveg. litter (bare litter)

Species	Family
<i>Monocot</i>	Gramineae
<i>Collinsonia canadensis</i>	
<i>Cerato-cypriani</i>	
<i>Staphylinus canadensis</i>	

h	cov	depth	cov	depth	cov	depth	cov
1			1				
1			2				
1			2				

EXAMPLES OF PERCENT OF AREA COVERED

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



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.

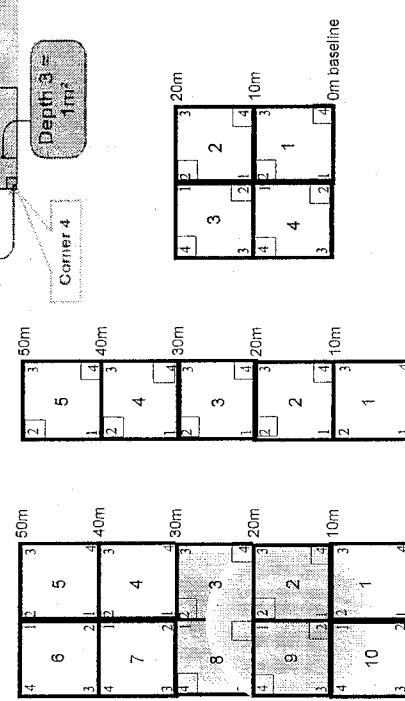
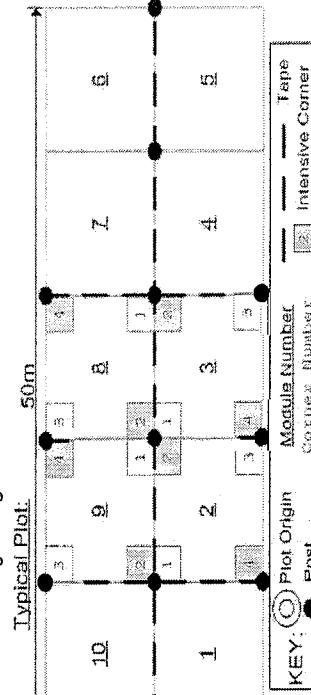
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

Plot No.: 1101 Page: 1 of 2

Explain subsample (additional room on back):

mod #	species	c voucher#	# stems 0.5-1m browsed	% sub shrub sample	# clumps	size class (cm) woody stems >1m										>40 (record each tree)
						1	2	3	4	5	6	7	8	9	10	
2	<i>Vitis aestivalis</i>		50	7												
2	<i>Rhus allegheniensis</i>		50	22												
2	<i>Acer saccharum</i>															
2	<i>Fraxinus americana</i>															
2	standing dead															
1	<i>Rhus allegheniensis</i>		50	27												
1	<i>Acer saccharum</i>															
1	<i>Vitis aestivalis</i>		50	3												
1	standing dead															
1	<i>Fraxinus pennsylvanica</i>															
3	<i>Rhus allegheniensis</i>		16													
3	<i>Vitis aestivalis</i>															
3	<i>Rosa multiflora</i>															
3	<i>Acer saccharum</i>															
3	<i>Sumac pubens</i>															
4	<i>Acer saccharum</i>															
4	<i>Vitis aestivalis</i>															
4	<i>Lindera benzoin</i>															
4	<i>Rhus allegheniensis</i>															
4	<i>Rhus typhina</i>															
4	<i>Sambucus pubens</i>															
4	standing dead			7												
4	<i>Rosa multiflora</i>															
4	<i>Loncera morrowii</i>															

<p>ASH CANOPY BREAKUP CONDITION (for dead trees):</p> <p>If an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below:</p> <p>A: All main branches contain fine twigs (newly dead).</p> <p>B: Over 50% of main branches have fine twigs.</p> <p>C: Less than 50% of main branches have fine twigs.</p> <p>D: Stem still standing and tertiary main branches have fine twigs.</p> <p>E: Central stem still standing.</p>				
A	B	C	D	E

<p>ASH CANOPY CONDITION</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). Lower branches, not exposed to sunlight, die naturally and are not considered.</p> <p>4. >50% Dieback: Canopy is thinning and leaves than half of the leaves that should be there and/or half of the top branches are dead.</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 (lowest branch) on the trunk.</p>				
1	2	3	4	5

<p>DBH Measurement Rules</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>Record using the tally system from 1 to 10</p> <p></p>		<p>1. TALL ON GROUND</p> <p>2. LEANING TREE</p> <p>3. TALL ON LEANING GROUND</p> <p>4. TALL HOLLOWED OUT IN GROUND</p> <p>5. DIA. POINT</p> <p>6. TALL HOLLOWED OUT IN GROUND</p> <p>7. DIA. POINT</p> <p>8. LIVE TREE ON GROUND</p> <p>9. DIA. POINT</p> <p>10. PERTURBED SURFACE</p> <p>11. LIVE TREE ON GROUND</p>	
--	--	---	--

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: Ohio 2011

Page: 2

Explain subsample (additional room on back)

CLEVELAND METROPARKS Emerald Ash Borer - *Fraxinus* Sheet

Project Label: PCAP

Project Name: OHIO201

INTENSIVE MODULES ONLY TREES $\geq 70\text{cm}$ ONLY

Map all ash trees $\geq 10\text{cm}$ in each module using Tree ID number

Page: 1 of 2

Plot No.: 1101 Date: 12/11

Module ID: 1

Tree ID: 1

Species: *No Ash species*

Dead c: 0

Voucher #: 0

DBH (cm): 0

HI @ DBH condition: 0

Ash condition: 0

Dead holes: 0

EK! present: 0

Epicormic holes: 0

Woodpecker holes: 0

Baseline

9

8

3

2

N

*** Change intensive module numbers when necessary

ASH ONLY								
Module	Tree ID.	Species	Dead c	Voucher #	DBH (cm)	HI @ DBH condition	Ash condition	Dead holes
1	1	No Ash species	0	0	0	0	0	0
2	2	Over 10cm in	0	0	0	0	0	0
3	3	medulos	0	0	0	0	0	0
4	4		0	0	0	0	0	0
5	5		0	0	0	0	0	0
6	6		0	0	0	0	0	0
7	7		0	0	0	0	0	0
8	8		0	0	0	0	0	0
9	9		0	0	0	0	0	0
10	10		0	0	0	0	0	0
11	11		0	0	0	0	0	0
12	12		0	0	0	0	0	0
13	13		0	0	0	0	0	0
14	14		0	0	0	0	0	0
15	15		0	0	0	0	0	0
16	16		0	0	0	0	0	0
17	17		0	0	0	0	0	0
18	18		0	0	0	0	0	0
19	19		0	0	0	0	0	0
20	20		0	0	0	0	0	0
21	21		0	0	0	0	0	0
22	22		0	0	0	0	0	0
23	23		0	0	0	0	0	0
24	24		0	0	0	0	0	0
25	25		0	0	0	0	0	0

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

Count EAB exit holes $1.25\text{mm}^2 \times \geq 1.5\text{m}$

Woodpecker and epicormic marked present (1) or absent (0)

X: Yes
of Plants

Tier 1: Early detection/Rapid response

Presence GPS NE SE SW NW

Micrasterigium viminaleum Japanese stiltgrass Lesser Celandine Ranunculus ficaria

Cyanachum lousiae (vine) Black Swallow-wort

Butomus umbellatus (wetland) Flowering Rush

Tier 2: Assess as Needed

of Plants comments

Acer platanoides Norway Maple Tree of Heaven Alnus altissima

4: 50-100 5: 100-1,000 6: >1,000

Acerser japonica (vine) Japanese Honeyuckle Lonicera japonica (vine) Japanese Honeyuckle

Lythrum salicaria (wetland) Purple Loosestrife

Celastrus orbiculatus (vine) Asian Bittersweet

Aegopodium podagraria (G-cover) Bishop's Goutweed

Trollis sp. Hedgeparsley

Couvalaria masalais (G-cover) Lily of the Valley

2: 1-10 2: 11-50 3: >50

Cornus alternifolia (G-cover) Crown Vetch

Corynilla varia (G-cover) Pentaphylloides

Elaeagnus umbellata (G-cover) Five-leaf Aralia

Pachysandra terminalis (G-cover) Japanese Pachysandra

Philadelphus coronarius (G-cover) Mock Orange

Pulmonaria officinalis (G-cover) Lungwort

Rubus phoenicolasius (wetland) Wineberry

Iris pseudacorus (wetland) Yellow Flag Iris

Osmunda cinnamomea (wetland) Star of Bethlehem

Vitis vulpina var. opulus (shrub) European Cranberry

Viburnum opulus (shrub) Doublefile Viburnum

Viburnum plicatum (shrub) Doublefile Viburnum

Tier 4: Widespread and abundant

Presence NE SE SW NW comments

Alliaria petiolata Garlic Mustard

Ligustrum vulgare Common Privet

Phragmites australis (wetland) Reed Canarygrass

Phragmites australis (wetland) Japanese Knotweed

Frangula alnus Glossy Buckthorn

Rosa multiflora Multiflora Rose

Typha angustifolia, T. glauca Cattails (wetland)

Phragmites australis (wetland) Canada Thistle

Dipsacus fullonum Common Teasel

Cirsium arvense Dame's Rocket

Hedysarum occidentale (shrub) Hesperis matronalis

Urtica dioica (shrub) Urtica dioica

Lathyrus palustris (shrub) Lathyrus palustris

Phragmites australis (wetland) Phragmites

Phragmites australis (wetland) Phrag

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface

Project Label: PCAP Project Name: 0141201

Plot No.: 1101

© Cleveland Metroparks

Page: 1 of 1

COVER BY STRATA (% estimate using midpoints of ext 3, 6, 13, 18%)	
Strata	Height Range
5	- X
Tree	18
Shrub	5
Herb	5
Floating*	-
Acquatic**	-
Rooted and floating or slightly emersed	
submersed: most plant mass below surface	

EARTH SURFACE & GROUND COVER	
Underlying Earth Surface*	Ground Cover
(Sum = 100%)	(Each $\leq 100\%$)
Horst	Percent
Mineral Soil	Percent
Gravel/Cobble*	0
Boulder**	1
Bedrock	0
Water	0
Bare Soil	3
Road/Trail	6
Other	0

TRAIL INFORMATION: If trail falls in plot record type and cover for each				
Type	% Cover			
<input type="checkbox"/> All Purpose				
<input type="checkbox"/> Bridle				
<input type="checkbox"/> Hiking sanctioned				
<input type="checkbox"/> Boulders unsanctioned				
<input type="checkbox"/> Gravel				
<input checked="" type="checkbox"/> Deer/				

Remember: In a standard 2x5 plot each module = 10% cover
 SEE BACK OF PAGE FOR "TYPICAL" STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Ranks for microhabitat features. Select one or select two and average the score. NOTE: If mod falls on a slope automatically gets ranked based on steepness (1-3)
 Slope 1 = slight elevation grade across module (1%)
 Slope 2 = falls on slope $\geq 20^\circ$
 Slope 3 = maximum steepness that can be safely sampled $\leq 45^\circ$

0 feature is absent or functionally absent (Golf Course Flat)
 3 feature is present in very small amounts or more common or low quality

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

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

C.W.D. - count for pieces with minimum 1m length

no. of tufts	no. of hummocks	no macro depressions	c.w.d.	no microhab.	microhab.
depth 3	3 (6x3) 1m	(2-12 cm)	(12-40cm)	>40 cm	interspersed
depth 2	depth 1	depth 1	depth 1	depth 1	SLOPE
1x1m	10x10m	10x10m	10x10m	10x10m	(10cm)
(count)	(count)	(count)	(count)	(rank)	(rank)

Decreasing
log

At aspect

N E W

LIT* TSI**

Module	N	S	E	W
1	65	10	28	39
2	60	75	74	19
3	0	0	2	0
4	36	46	33	13

CROWN COVER DENSIMETER: Make 4 readings per module facing N, S, E, W. Place dot counts in corresponding space (4 dots per grid square)

1 2 3 4

light gap
present
only in
mod 1, 2, 3

4

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

.. Terrain Shape Index (the microtopographic shape)

node#	corner	(count)							
1	2	0	0	1	3	0	0	2	3
2	2	0	0	1	7	12	0	3	3
3	2	0	0	2	13	2	0	2	1
4	2	0	0	2	7	0	0	3	0

5 Note for 9-22-11
COT (count)

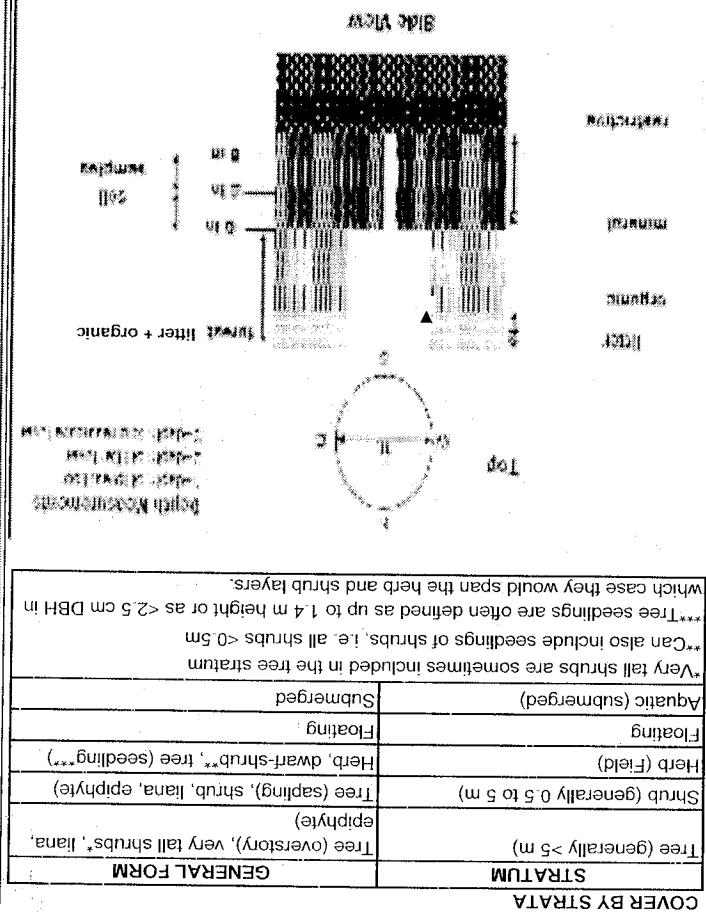
NOTE: tussock and hummocks are counted in BOTH nested quadrats but counts are aggregated.

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

c.w.d. = course wavy debris

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

Pleasant Gap Union Sandstone Member	Alluvial Congomeric Member Byer Sandstone Member	Lignite Formation	LOWER PENNSYLVANIAN MISSISSIPPIAN
numerous named members	black Hard Sandstone Member numerous named members	Cayuga Formation	MISSISSIPPIAN
Shady Shale	Berea Sandstone	Benton Shale	UPPER DEVONIAN
Benton Shale	Devonian Member	Cincinnatian Member	MISSISSIPPIAN
Devonian Member	Cincinnatian Member	Huron Member	MISSISSIPPIAN
Huron Member	Lower Pennsylvanian Formations	Lower Pennsylvanian Formations	MISSISSIPPIAN
Lower Pennsylvanian Formations	Lower Pennsylvanian Formations	Lower Pennsylvanian Formations	MISSISSIPPIAN



FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): 21

Site ID: PCAP 1101 Hi

DATE: 06/29/2011

Location:

● AA Center N S O E W

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

Plot 1 Plot 2 Plot 3

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

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	<input type="radio"/> 3	Forest Clear Cut	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Herbicide Use	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Gas Wells	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Forest Selective Cut	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Mowing/Shrub Cutting	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Mine (surface)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Tree Plantation	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Trails	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Mine (underground)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Tree Canopy Herbivory (INSECT)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Military	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Shrub Layer Browsed (WILD OR DOMESTIC)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Offroad vehicle damage	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Recently Burned Forest Canopy	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Recently Burned Grassland (BLACKENED)	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	Other: _____	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4

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

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

2428168304

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

Reviewed by (initials):

Site ID:

DATE:

⑩ Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble.

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 41 21.908

Longitude West

8 1.6 9871

Use Decimal Degrees: NAD83

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

7966623548

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP Hi 1101

DATE: 06/21/2011

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

Buffer Natural Cover Strata

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

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

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

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

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

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

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

2428168304

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

Reviewed by (initial): _____

Site ID:

DATE:

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North

41.22.0.40.

Longitude West

8.1.69.8.47

Use Decimal Degrees: NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP Hi 1101

DATE: 06/21/2011

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

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

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

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

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

2428168304

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

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

Reviewed by (initial): _____

Site ID: PCAP HI 1101

DATE: 06/21/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 41.21792

Longitude West 0.8 1.6 9.8 6.7

Use Decimal Degrees; NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1101 H

DATE: 06/21/2011

Location:

AA Center N S E W

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

Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

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

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

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

2428168304

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

Reviewed by (initial): _____

Site ID:

DATE:

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North

4.1.21930

Longitude West

81 69717

Use Decimal Degrees: NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP HI 1101

DATE: 06/21/2011

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

Buffer Natural Cover Strata

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

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

Buffer Plot 1	Canopy Type: <input 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				Leaf Type: <input type="radio"/> B <input type="radio"/> N				Leaf Type: <input type="radio"/> B <input type="radio"/> N				
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 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 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
Herbs, Forbs and Grasses	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Herbs, Forbs and Grasses	<input type="radio"/> 0	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Bare ground	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Bare ground	<input checked="" 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 checked="" type="radio"/> 4
Rock	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Rock	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Water	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Water	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Submerged Vegetation	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4			Submerged Vegetation	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4

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 checked="" type="radio"/> 0	<input checked="" type="radio"/> 1	<input checked="" 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)

Reviewed by (initial):

Site ID: PCAP HI 1101

DATE: 06/21/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 41 21909

Longitude West 081.70014

Use Decimal Degrees: NAD83

7966623548

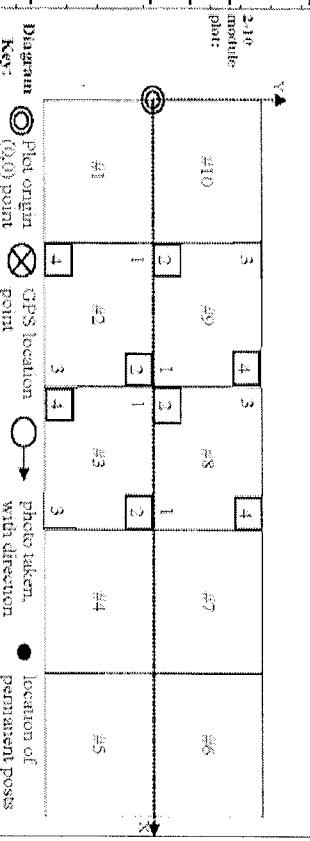
CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2

GENERAL INFORMATION	
<u>Project Label:</u>	PCAP
<u>Project Name:</u>	
<u>Plot Name:</u>	
<u>Plot No.:</u>	1101
<input checked="" type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled)	
<u>Date (mm/dd/yyyy):</u>	/ /
<u>End date (if > 1 day):</u>	/ /
<u>Party</u>	<u>Role**</u>
	Plot leader

<u>State:</u>	OH	<u>County:</u>	
<u>Quadrangle:</u>			
<u>Local Place Names:</u>			
<u>Landowner:</u>			
<u>X-axis Bearing of plot:</u> 140°			

<u>Data Confidentiality:</u>	<input type="checkbox"/> Check one: <input type="checkbox"/> Public data <input type="checkbox"/> Private Data <input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m	
<u>Reason:</u>	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: $x = \textcircled{0}$ $y = \textcircled{0}$ (base of plot x=0, y=0)	



Plot placement: Representative GRTS Random Stratified Random
 Transect component Systematic(grid) Capture specific feature 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

Coordinate system:

Coord. Units
 Lat/Long UTM StatePlane
 deg deg min
 Other (specify) m ft

Datum: NAD83/WGS84 NAD27

Latitude: **41.21914**

Longitude: **-81.69867**

Coord. Accuracy: **± 3**

GPS File Name: **1101A**

Plot size for cover data: **0.04** (hectares)

Stems not sampled on this plot Stems absent

Stems present Plot size stems: **0.04** (ha)

Depth: (1-5):

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

Camera No.: _____

Photo Nos.: _____

Plot Setup fall 2010

<u>TAXONOMIC ACCURACY</u>			
high	modera.	low	not samp
vascular			n/a
bryo			
lichen			
TAXONOMIC STANDARD			
<u>Authority:</u>	G&C	<u>Pub Date:</u>	1998

Minimum required fields in Bold and Underlined

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

OVER

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet



Project Label: PCAP

Page 2 of 2

Project Name: _____

Plot No.: _____

CLASSIFICATION

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

Hydrogeomorphic class (WETLANDS ONLY):

- DEPRESSION
- 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 VIBI 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):

COMMUNITY NAME:

LANDFORM TYPE*:

Fit= _____

Conf= _____

CLASSIFICATION	STAND SIZE						DISTURBANCES					
	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf
(FTT = excellent, good, fair, poor, CONF = high, med, low)	Fit and Confidence						<input type="checkbox"/> >1,000 x plot size	<input type="checkbox"/> >100 x plot size	<input type="checkbox"/> Human	<input type="checkbox"/> Natural		
Hydrogeomorphic class (WETLANDS ONLY):	Fit= _____	Conf= _____	Fit= _____	Conf= _____	Fit= _____	Conf= _____	<input type="checkbox"/> 3-10 x plot size	<input type="checkbox"/> 1-3 x plot size	<input type="checkbox"/> Fire	<input type="checkbox"/> Cut		
<input type="checkbox"/> DEPRESSION							<input type="checkbox"/> < plot size		<input type="checkbox"/> Animal			
<input type="checkbox"/> IMPOUNDMENT <input type="checkbox"/> Beaver <input type="checkbox"/> Human												
<input type="checkbox"/> RIVERINE <input type="checkbox"/> Headwater <input type="checkbox"/> Mainstem <input type="checkbox"/> Channel												
<input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope)												
<input type="checkbox"/> FRINGING <input type="checkbox"/> Reservoir <input type="checkbox"/> Natural Lake												
<input type="checkbox"/> COASTAL (specify subclass)												
<input type="checkbox"/> BOG (strongly, moderately, weekly, ombrotrophic)												
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf
<input type="checkbox"/> FOREST <input type="checkbox"/> swamp forest <input type="checkbox"/> bog forest <input type="checkbox"/> forest seep							<input type="checkbox"/> Well drained	<input type="checkbox"/> Moderately well dr.	<input type="checkbox"/> Somewhat poorly dr.	<input type="checkbox"/> Very poorly dr.	<input type="checkbox"/> Impermeable surface	<input type="checkbox"/> Upland (seldom flooded)
<input type="checkbox"/> EMERGENT <input type="checkbox"/> marsh <input type="checkbox"/> wet meadow <input type="checkbox"/> open bog							<input type="checkbox"/> Intermittently flooded	<input type="checkbox"/> Semipermanently flooded	<input type="checkbox"/> Permanently flooded	<input type="checkbox"/> (seldom flooded)		<input type="checkbox"/> Intermittently/seasonally saturated
<input type="checkbox"/> SHRUB <input type="checkbox"/> shrub swamp <input type="checkbox"/> tall sh. bog <input type="checkbox"/> tall sh. fen							<input type="checkbox"/> Tidal/Seiche flooded daily	<input type="checkbox"/> Tidal/Seiche flooded monthly	<input type="checkbox"/> Tidal/Seiche flooded irregular (e.g. wind, storms)			<input type="checkbox"/> Occasionally flooded (<1/yr)
MODIFIED NATURESERVE CLASS*:	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf	Fit	Conf
CODE (on separate form):												
COMMUNITY NAME:												
LANDFORM TYPE*:												
							<input type="checkbox"/> Fresh	<input type="checkbox"/> Upland (n/a)				
HOMOGENEITY	Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)											
	<input type="checkbox"/> Homogeneous											
		<input type="checkbox"/> Compositional trend across the plot										
			<input type="checkbox"/> Conspicuous inclusions									
				<input type="checkbox"/> Irregular/pattern mosaic								

Park at top o' ledges and hike in

Hello new PCAP Employees! Your first plot of the
summer is just to die for. Set along side whips ledges (the gem
of the gem of the Emerald necklace) this plot is full of bountiful
Bush Raspberries touched off with a hint of Wood mint (*Blephilia hirsuta*)
Enjoy! And check out the message on the stake - from all of us in doo to
all of you in doo

