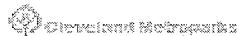


CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form



Project Label:

PCAP

Plot No: 1104

Date Sampled: 6-27-11

Lead: Tysenbach

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"/>		
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"/>	Hard to get to site + very dense - left flags up	
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?	6/24/11	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	Refrigerator	Y <input checked="" type="radio"/> N <input type="radio"/>	
(# vouchers collected)	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

Page 1 of 2

GENERAL INFORMATION			
Project Label:	PCAP		
Project Name:	OINC 201		
Plot Name:	Every rose has its thorn		
Plot No.:	1104		
<input type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled)			
Date (mm/dd/yyyy): 12/22/2011			
End date (if > 1 day): / /			
Party	Role**		
S. Fuerstenbach	Plot leader		
Z. Barton	Asst		
M. Birth	weed hawkt		
A. Mack			
<small>** Roles: Co-leader, Asst, Guide, Owner, Taxonomist, etc.</small>			
PLOT NOT SAMPLED:			
<input type="checkbox"/> Pem. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety			
SAMPLING QUALITY *			
Effort Level: <input checked="" type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurred			
subjective evaluation of how much effort put into sampling. Hurred plots may still provide good data			
TAXONOMIC ACCURACY			
high	moder.	low	not simpl.
✓		✓	n/a
bryc		✓	
lichen		✓	
TAXONOMIC STANDARD			
Authority:	G&C		
Pub Date:	1998		
<small>Minimum required fields in Bold and Underlined</small>			

LOCATION	
State:	OH
County:	Cuy
Quadrangle:	Mayfield Heights
Local Place Names:	Stream Channelization Channel
Landowner:	CMV
X-axis Bearing of plot:	22d °
Data Confidentiality: <small>Check one: <input checked="" type="checkbox"/> Public data <input type="checkbox"/> Private Data</small>	
<input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m	
Reason:	<small>If data not public why?</small> <small>Source of coordinates <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS</small> <small>GPS location in plot x=0 to 5, y=-1,0,+1):</small> <small>x = <input type="checkbox"/> 0 y = <input checked="" type="checkbox"/> 0 (base of plot x=0, y=0)</small>
Coordinate system: Coord. Units <input checked="" type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input checked="" type="checkbox"/> deg <input type="checkbox"/> deg min <input type="checkbox"/> Other (specify) <input checked="" type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/>	
Datum:	■ NAD83/WGS84 <input type="checkbox"/> NAD27
Latitude:	41.53256
Longitude:	81.40914
Coord. Accuracy:	± 1.3
GPS File Name:	1104
Plot size for cover data:	(hectares)
<input type="checkbox"/> Stems not sampled on this plot <input type="checkbox"/> Stems absent	
<input checked="" type="checkbox"/> Stems present Plot size stems: 0.04 ha	
Depth:	(1-5): 4
Intensive modules: 2, 3, 8, 9 <small>(EDIT IF MODIFIED)</small>	
Camera No.:	2
Photo Nos.:	984
<small>Plot rationale: GPS plot - lots of prist + multiflora Veg char: Ash, Elm, Tulip, Walnut Midstory: Rosa multiflora, Pronet Knotted</small>	
<small>Notes: Underhawth, Garry, Virginia OVER</small>	

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

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label:

PCAP

Project Name: Join

Plot No.: 109

Page 2 of 2

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet					
Project Label:	PCAP		Project Name:	OINC 2011	
			Plot No.:	1104	
			Plot No.:	Page 2 of 2	
CLASSIFICATION					
(FIT = excellent, good, fair, poor; CONF = high, med, low)		Fit and Confidence			
Hydrogeomorphic class (WETLANDS ONLY):					
DEPRESSION		Fit= _____	Conf= _____	<input type="checkbox"/> > 1,000 x plot size	
IMPOUNDMENT <input type="checkbox"/> Beaver <input type="checkbox"/> Human		Fit= _____	Conf= _____	<input type="checkbox"/> 10-100 x plot size	
RIVERINE <input type="checkbox"/> Headwater <input type="checkbox"/> Mainstem <input type="checkbox"/> Channel		Fit= _____	Conf= _____	<input type="checkbox"/> 3-10 x plot size	
SLOPE (ground water hydrology or on a physical slope)		Fit= _____	Conf= _____	<input checked="" type="checkbox"/> 1-3 x plot size	
FRINGING <input type="checkbox"/> Reservoir <input type="checkbox"/> Natural Lake		Fit= _____	Conf= _____	<input type="checkbox"/> < plot size	
COASTAL (specify subclass)		Fit= _____	Conf= _____	<input type="checkbox"/> Other	
BOG (strongly, moderately, weekly, ombrotrophic)		Fit= _____	Conf= _____	<small>**L=low, M=med low, M=med, MH=med high, H=high, VH=very high</small>	
Ohio EPA VIBL Plant Community Class (WETLANDS ONLY):					
FOREST <input type="checkbox"/> swamp forest <input type="checkbox"/> bog forest <input type="checkbox"/> forest seep		Fit= _____	Conf= _____	Current Land Use: Park	
EMERGENT <input type="checkbox"/> marsh <input type="checkbox"/> wet meadow <input type="checkbox"/> open bog		Fit= _____	Conf= _____	Former Land Use: UNK	
SHRUB <input type="checkbox"/> shrub swamp <input type="checkbox"/> tall sh. bog <input type="checkbox"/> tall sh. fen		Fit= _____	Conf= _____	HYDROLOGIC REGIME*	
MODIFIED NATURE RESERVE CLASS*					
CODE (on separate form): L1		Fit= <u>5</u>	Conf= <u>H</u>	SALINITY*	
				<input type="checkbox"/> Upland (seldom flooded)	
				<input type="checkbox"/> Intermittently/flooded	
				<input type="checkbox"/> Saltwater	
				<input type="checkbox"/> Intermittently/seasonally saturated (seldom flooded)	
				<input type="checkbox"/> Brackish	
				<input type="checkbox"/> Fresh	
				<input type="checkbox"/> Permanently/Semipermanent, saturated (dry <1/yr, seldom flooded)	
				<input type="checkbox"/> Permanently flooded	
				<input type="checkbox"/> Semipermanently flooded	
				<input type="checkbox"/> Intermittently flooded	
				<input type="checkbox"/> Tidal/Seiche flooded daily	
				<input type="checkbox"/> Tidal/Seiche flooded monthly (e.g. wind, storms)	
				<input type="checkbox"/> Temporarily flooded	
				<input type="checkbox"/> Unknown	
HOMOGENEITY					
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)					
Point Soil in a mass of multiflora rose and privet					
<u>Very difficult to get around in.</u>					
Buffer plots were difficult because grape + rose + privet surrounded plot					
There was a stream channelization crew doing work to the south east of our plot.					
Browse in past years was very heavy - many stunted privet + multiflora					

There was a stream channelization crew doing work to the south east of our plot. Browse in past years was very heavy - many stunted privet + multiflora. There are deer trails throughout our plot.

Buffer plots were difficult because Grapes + Rose + Privet surrounded plot

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 1 of 2

Project Label: _____ PCAP

Project name: Unacademy

Plot no.: 1104

(a): 24

Total modules: 4 Intensive modules: 4
Visual est. % open water entire site: 0 Visual est. %unveg o.w. entire site: 0

Visual est. %invasives entire site: 45

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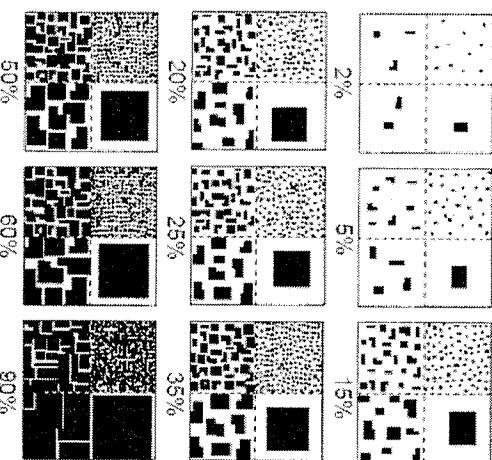
describe amount of browse per species over entire plot

Strata - Cov. entire plot

Sectio

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to convey "Amount" or "Quantity". **NOTE:** Within any given box, each quadrant contains the same relative coverage just different seed areas.



Nested Corners

cover class	% cover	midpoint
1	solitary or few	0.001
2	0-1%	0.005
3	1-2%	0.015
4	2-5%	0.035
5	5-10%	0.075
6	10-25%	0.175
7	25-50%	0.375
8	50-75%	0.625
9	75-95%	0.850
10	95-100%	0.975

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

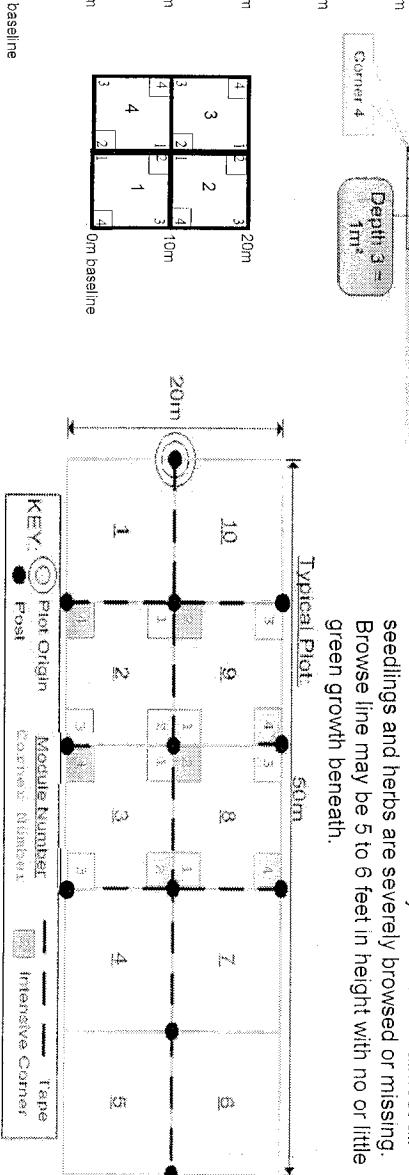
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

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

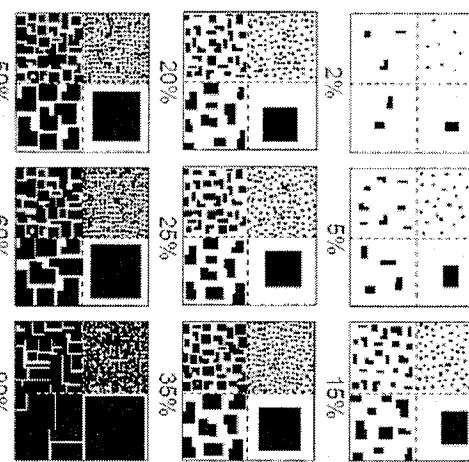
HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module AND a browse line is evident.

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



EXAMPLES OF PERCENT OF AREA COVERED

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



cover class	% cover	midpoint
1	solitary or few	0.001
2	0-1%	0.005
3	1-2%	0.015
4	2-5%	0.035
5	5-10%	0.075
6	10-25%	0.175
7	25-50%	0.375
8	50-75%	0.625
9	75-95%	0.850
10	95-100%	0.975

BROWSE RATING NARRATIVE DESCRIPTION

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

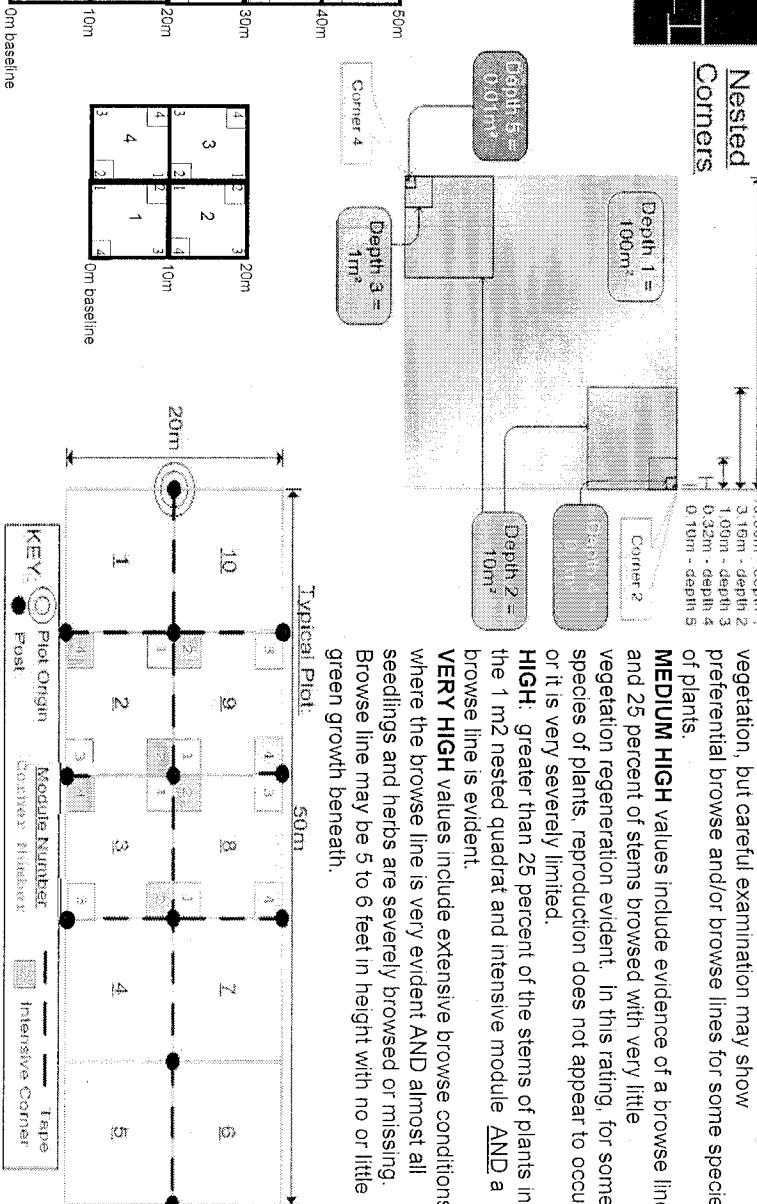
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

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

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

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



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: CINC 2011

Plot No.: 1104

Page: 1 of 2

Explain subsample (additional room on back):

mod #	species	c voucher#	# stems 0.5-1m browsed	% sub or super sample	# shrub clumps	size class (cm) woody stems >1m										>40 (record each tree)
						1	2	3	4	5	6	7	8	9	10	
1	Rosa multiflora		7	25%	5											
1	Ligustrum vulgare			25%	15											
1	Ulmus americana															
1	Fraxinus pennsylvanica															
1	Vitis sp.															
1	Standing Dead															
1	Crataegus monogyna				1											
2	Ulmus americana															
2	Ulmus americana															
2	Ligustrum vulgare			25%	7											
2	Rosa multiflora				17	25%	3									
2	Vitis sp															
2	Fraxinus pennsylvanica															
2	Crataegus monogyna					1										
JEM 7/8/11	Dubius sp.															
	Prunus sp.															
3	Ligustrum vulgare				25%	7										
3	Rosa multiflora				6	25%	4									
3	Ulmus americana															
3	Fraxinus pennsylvanica															
3	Vitis sp.															
3	Craatagus sp.															
4	Ligustrum vulgare				25%	17										
4	Rosa multiflora				2	25%	3									

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

ASH CANOPY CONDITION

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

Woolly Stem Deer Browse	
Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.	Record using the tally system from 1 to 10

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

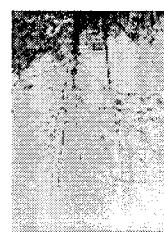
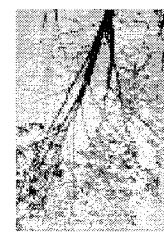
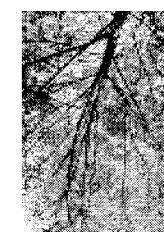
Project Name: Q1 NCL 2011

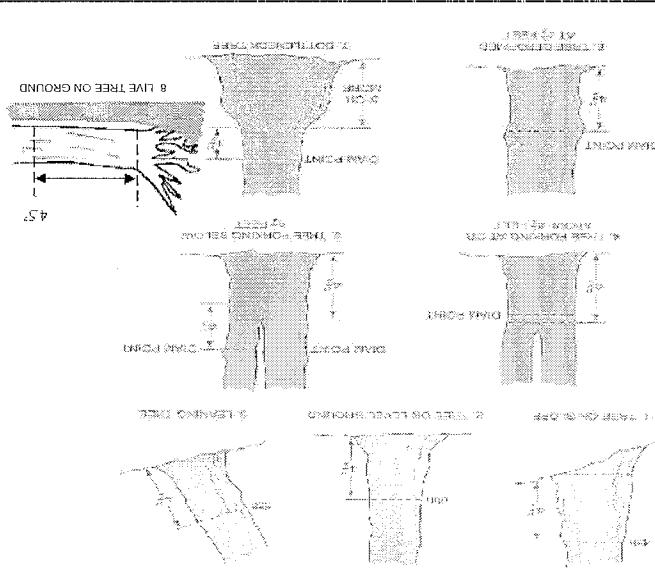
No. 1109

Page: 2

Explain subsample (additional room on back)

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

<p align="center">ASH CANOPY CONDITION</p> <p align="center">1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple. 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves. 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered. 4. >50% Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches are dead. 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
				

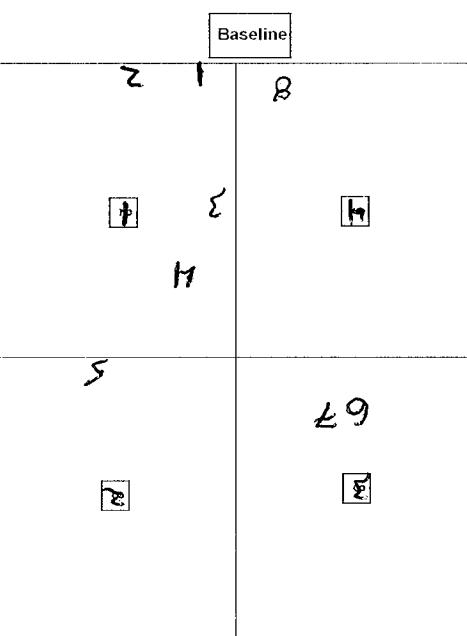
<p align="center">DBH Measurement Rules</p> <p align="center">Woody Stem Deer Browse</p> <p>Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this year's deer browse.</p> <p>Record using the tally system from 1 to 10.</p> <p></p>			
---	--	--	--

CLEVELAND METROPARKS Emerald Ash Borer - *Fraxinus* SheetProject Label: PCAPProject Name: ORNC Z01INTENSIVE MODULES ONLY TREES $\geq 10\text{cm}$ ONLYDate: 5/22/11

Page: 1 of 2

Module ID.	Tree ID.	Species	Dead c	Voucher #	DBH (cm)	Ht @ DBH condition	Ash condition	Dead holes	# Exit holes	ASH ONLY	
										Woodpecker holes	
1	1	<i>Fraxinus pennsylvanica</i>			30.8	2	Dead	0	0	No	No
1	2	<i>Fraxinus pennsylvanica</i>			31.4	2	Dead	0	0	No	No
1	3	<i>Fraxinus pennsylvanica</i>			11.4	2	Dead	0	0	No	No
1	4	<i>Fraxinus pennsylvanica</i>			37.3	2	Dead	0	0	No	No
2	5	<i>Fraxinus pennsylvanica</i>			10.7	1	Dead	0	0	No	No
3	6	<i>Fraxinus pennsylvanica</i>			25.2	2	Dead	0	0	No	No
3	7	<i>Fraxinus pennsylvanica</i>			41.0	1	Dead	0	0	No	No
4	8	<i>Fraxinus pennsylvanica</i>			35.4	1	Dead	0	0	No	No
	9										
	10										
	11										
	12										
	13										
	14										
	15										
	16										
	17										
	18										
	19										
	20										
	21										
	22										
	23										
	24										
	25										

*** Change intensive module numbers when necessary

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

* If Ash Condition scores 5 (dead) provide breakup score (A-E)
 Count EAB exit holes 1.25m² x $\geq 1.5\text{in}$
 Woodpecker and epicormic marked present (1) or absent (0)

Tier 1: Early detection/ Rapid response		Presence			GPS	# of Plants			
Tier 2: Assess as Needed		# of Plants			Comments	# of Plants			
Tier 3: Presence is of interest		# of Plants			Comments	# of Plants			
# of Plants		NE	SE	SW	NW	NE	SE	SW	NW
X: Yes	Presence								
6: > 1,000									
5: 100-1,000									
4: 50-100									
Acer platanoides	Norway Maple								
Alianthus altissima	Trefoil of Heaven								
Lonicera japonica	(vine) Japanese Honeysuckle								
Lytium salicaria	(vine) Purple Loosestrife								
Agapanthus podagraria	(G-cover) Bishop's Goutweed								
Celastrus orbiculatus	(vine) Asian Bittersweet								
Trollius sp.	Hedgeparsley								
Cornutum maculatum	(wetland) Poison Hemlock								
Rhamnus cathartica	Common Buckthorn (shrub)								
Elaeagnus umbellata	Autumn Olive (shrub)								
Lonicera maackii	Amur Honeysuckle (shrub)								
Euonymus fortunei	Wintercreeper								
Convallaria majalis	Lily of the Valley (G-cover)								
Corynilla varia	Crown Vetch (G-cover)								
Eleutherococcus pentaphyllus	Five-leaf Aralia (shrub)								
Pachysandra terminalis	(G-cover) Japanese Pachysandra								
Pulmonaria officinalis	Mock Orange (shrub)								
Phladelphus coronarius	Mock Orange (shrub)								
Rubus phoenicolasius	Wineberry								
Iris pseudacorus	Yellow Flag Iris (wetland)								
Osmunda cinnamomea	Star of Bethlehem								
Viburnum opulus var. opulus	European Cranberry (shrub)								
Viburnum plicatum	Doublefile Viburnum (shrub)								
Alliaria petiolata	Garlic Mustard (G-cover)								
Ligustrum vulgare	Common Privet (shrub)								
Lonicera xylosteum	Catskill (wetland)								
Phragmites australis	Phragmites (wetland)								
Phragmites australis	Common Phragmites (wetland)								
Phragmites australis	Common Phragmites (wetland)								
Rosa multiflora	Multiflora Rose (shrub)								
Fragaria ananassa	Glossy Buckthorn (shrub)								
Typha angustifolia	T. glauca (wetland)								
Cirsium arvense	Canada Thistle								
Dipsacus fullonum	Common Teasel								
Hedysarum occidentale	Dame's Rocket								
Vicia sativa	Perennial Pea								

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



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

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

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

PERMANENT FLICKER Waller covers the land surface at all times of the year in all years. Equivalent to Gowardin's "permanently

SEMIPERMANENT EROSION is normally saturated when water level drops below soil surface. Includes Cowlardin's Intermittent Exposed and Semipermanently Flooded meanders.

the U.S., where this modifier can be applied to both welland and non-welland situations. Equivalent to Cowerd's *Intemittently Elapsed modifier*.

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was developed for use in the arid West for water regimes of Playa lakes. Intermittent streams and dry washes but can be used in other parts of the country.

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

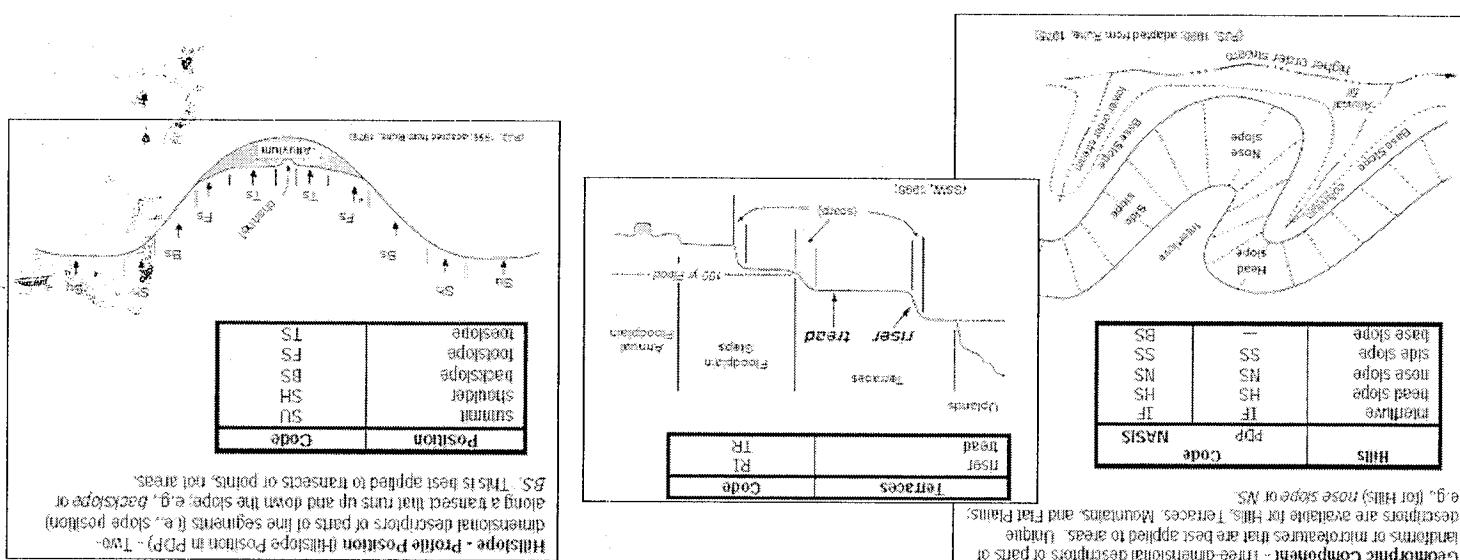
CHARACTERISTICS Waller can be present for brief periods during growing season, but not in most years. Other characteristics flood-plain upper terraces.

RECOMMENDED STYLING: Water can be used to style the hair during the styling season. Edgewax can be used to control the hair during the styling season. Saturate the hair with water to style the hair during the styling season.

PERMANENTLY SEMIPERMANENTLY SATURATED Dry less than once per year. Surface water is seldom present, but substrate is saturated for surfaces of exposed drifts, gravel bars, and sandbars.

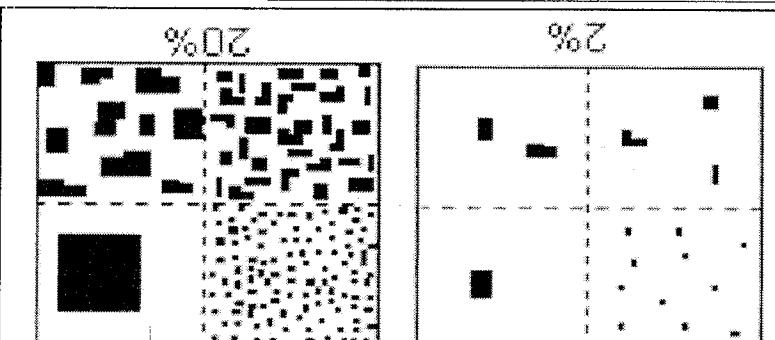
INTERMITTENTLY/SEASONALLY SATURATED: Dry at least once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season.

HYDROLOGIC REGIMES MODIFIED FROM GROSSMAN ET AL. 1998. (Frequency and duration of flooding.)



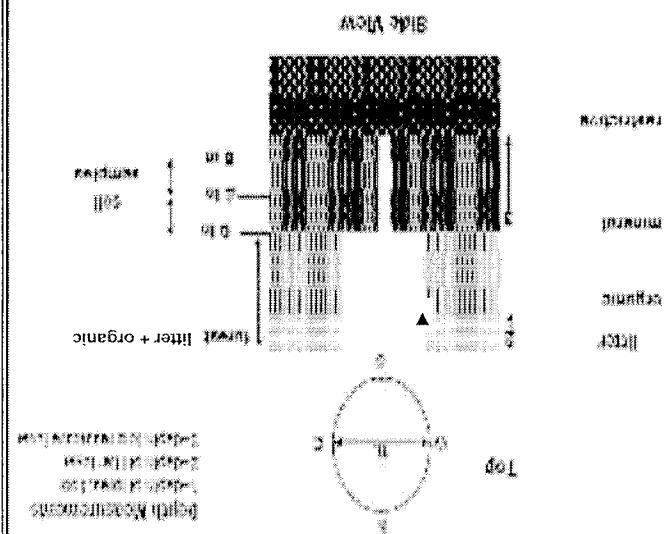
enough that all of the particles are saturated but excess water does not freely flow from the sample when squeezed. Attempt to roll the sample into a ball. If the soil will not stay in a ball and has a grainy texture, the texture is either sandy or coarse sandy. If the soil does not form a ball, squeeze the sample between your fingers and attempt to form a ball. If the soil will not stay in a ball and has a ball and a ribbon supporting ribbon. Samples which form a ball and a ribbon should be coded as clayey; samples which form a ball but not a ribbon should be coded as loamy. which form a ball but not a ribbon should be coded as sandy. Samples which form a ball but not a ribbon should be coded as coarse sand. Not measured - make plot note

- 0=Organic**
- 1=Loamy**
- 2=Clayey**
- 3=Sandy**
- 4=Coarse Sand**



PERCENT MOTTLES (USE CLASS CODES) SOIL TEXTURE RECORD THE CODE FOR THE SOIL TEXTURE OF THE 5 CM

MISSISSIPPIAN		UPPER DEVONIAN	
Portage Group	Venon Sandstone Member	Logan Formation	Benton Conglomerate Member
Ashville Conglomerate Member	Byer Sandstone Member	Cayuga Formation	Black Island Sandstone Member
Winton Sandstone Member	Aspinwall Conglomerate Member		Black Island Sandstone Member
Pittsburgh Group		Shady Shale	
Brown Sandstone		Benton Sandstone	
Bedded Shale		Bedded Shale	
Quarried Member		Quarried Member	
Ohio Shale		Ohio Shale	
Huron Member		Huron Member	



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

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

*Very tall shrubs are sometimes included in the tree stratum

Aquatic (submerged)	Submerged
---------------------	-----------

Floating Floating Floating

Herb (Field) Herb, dwarf-shrub**, tree (seedling**)

Shrub (generally 0.5 to 5 m)	Tree (sapling), shrub, liana, epiphyte
------------------------------	--

STRAIGHT	GENERAL FORM	Tree (generally < 5 m)	Tree (average) very tall shrubs* [ana
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COVER BY SIRALIA

COVER BY STRATA

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1104

DATE: 06/22/2011

Location:

O AA Center O N 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

3

Buffer Natural Cover Strata

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

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

Buffer Plot 1	Canopy Type: D E		Absent: O	Buffer Plot 2	Canopy Type: D E		Absent: O	Buffer Plot 3	Canopy Type: D E		Absent: O
	Leaf Type: B N	Flag	Leaf Type: B N		Leaf Type: B N	Flag	Leaf Type: B N		Leaf Type: B N	Flag	
Big Trees (>0.3m DBH)	0 1 2 3 4		Big Trees (>0.3m DBH)	0 1 2 3 4		Big Trees (>0.3m DBH)	0 1 2 3 4		Big Trees (>0.3m DBH)	0 1 2 3 4	
Small Trees (<0.3m DBH)	0 1 2 3 4		Small Trees (<0.3m DBH)	0 1 2 3 4		Small Trees (<0.3m DBH)	0 1 2 3 4		Small Trees (<0.3m DBH)	0 1 2 3 4	
Woody Shrubs, Saplings (0.5m-5m HIGH)	0 1 2 3 4		Woody Shrubs, Saplings (0.5m-5m HIGH)	0 1 2 3 4		Woody Shrubs, Saplings (0.5m-5m HIGH)	0 1 2 3 4		Woody Shrubs, Saplings (0.5m-5m HIGH)	0 1 2 3 4	
Woody Shrubs, Saplings (<0.5m HIGH)	0 1 2 3 4		Woody Shrubs, Saplings (<0.5m HIGH)	0 1 2 3 4		Woody Shrubs, Saplings (<0.5m HIGH)	0 1 2 3 4		Woody Shrubs, Saplings (<0.5m HIGH)	0 1 2 3 4	
Herbs, Forbs and Grasses	0 1 2 3 4		Herbs, Forbs and Grasses	0 1 2 3 4		Herbs, Forbs and Grasses	0 1 2 3 4		Herbs, Forbs and Grasses	0 1 2 3 4	
Bare ground	0 1 2 3 4		Bare ground	0 1 2 3 4		Bare ground	0 1 2 3 4		Bare ground	0 1 2 3 4	
Litter, duff	0 1 2 3 4		Litter, duff	0 1 2 3 4		Litter, duff	0 1 2 3 4		Litter, duff	0 1 2 3 4	
Rock	0 1 2 3 4		Rock	0 1 2 3 4		Rock	0 1 2 3 4		Rock	0 1 2 3 4	
Water	0 1 2 3 4		Water	0 1 2 3 4		Water	0 1 2 3 4		Water	0 1 2 3 4	
Submerged Vegetation	0 1 2 3 4		Submerged Vegetation	0 1 2 3 4		Submerged Vegetation	0 1 2 3 4		Submerged Vegetation	0 1 2 3 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	○	○	○		Ditches, Channelization	0	0	○	1	Pasture/Hay	○	○	○		
Road - two lane	○	○	○		Dike/Dam/Road/RR Bed (IMPEDE FLOW)	○	○	○		Range	○	○	○		
Road - four lane	○	○	○		Water Level Control Structure	○	○	○		Row Crops	○	○	○		
Parking Lot/Pavement	○	○	○		Excavation, Dredging	0	0	○		Fallow Field (RECENT-RESTING ROW CROP FIELD)	○	○	○		
Golf Course	○	○	○		Fill/Spoil Banks	○	○	○		Fallow Field (OLD - GRASS, SHRUBS, TREES)	○	○	○		
Lawn/Park	○	○	○		Freshly Deposited Sediment (UNVEGETATED)	○	○	○		Nursery	○	○	○		
Suburban Residential	○	○	○		Soil Loss/Root Exposure	○	○	○		Dairy	○	○	○		
Urban/Multifamily	○	○	○		Wall/Riprap	○	○	○		Orchard	○	○	○		
Landfill	○	○	○		Inlets, Outlets	○	○	○		Confined Animal Feeding	○	○	○		
Dumping	○	○	○		Point Source/Pipe (EFFLUENT OR STORMWATER)	○	○	○		Rural Residential	○	○	○		
Trash	○	○	○		Impervious surface input (SHEETFLOW)	○	○	○		Gravel Pit	○	○	○		
Other: _____	○	○	○		Other: _____	○	○	○		Irrigation	○	○	○		
Other: _____	○	○	○		Other: _____	○	○	○		Other: _____	○	○	○		

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

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: PGE 1104

DATE: 06/22/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 41.53163

Longitude West

81-40952

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 1104

DATE: 06/22/2011

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

Buffer Natural Cover Strata

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

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

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

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

Residential and Urban Stressors				Hydrology Stressors				Agricultural & Rural Stressors				Flag
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input checked="" 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 checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fallow Field (RECENT-RESTING ROW CROP FIELD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Golf Course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fill/Spoil Banks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fallow Field (OLD - GRASS, SHRUBS, TREES)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Lawn/Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Nursery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Suburban Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Loss/Root Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Trash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Impervious surface input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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

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

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

2428168304

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

Reviewed by (initial): _____

Site ID: PCAP 1104

DATE: 06/22/2011

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

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

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

Flag

3

Latitude North

41 53 28.2

Longitude West

81 408 90

Use Decimal Degrees; NAD83

Flag	Comments
1	Plot #1 falls in newly channelized stream
2	Plot #2 + #3 could not be sampled because they fall off park property
3	GPS coordinates taken at Plot #1

7966623548

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (Initial): _____

Site ID: PCAP 1104

DATE: 06/22/2011

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 →

Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

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

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

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

2428168304

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

Reviewed by (initial):

Site ID: PCap 1104

DATE: 06/22/2011

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

Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	<input type="radio"/>	<input type="radio"/>	<input 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 checked="" type="radio"/>	<input checked="" type="radio"/>	
Giant Salvinia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Perennial Pepperweed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Common Buckthorn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Garlic Mustard	<input checked="" type="radio"/>	<input checked="" 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 41.53368

Longitude West

81.41693

Use Decimal Degrees; NAD83

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1104

DATE: 06/22/2011

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

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

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

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

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

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

2428168304

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

Reviewed by (initial): _____

Site ID: PCAP 1104

DATE: 06/22/2011

• 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"/>		Muliflora Rose	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Giant Salvinia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Perennial Pepperweed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Common Buckthorn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Garlic Mustard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Giant Reed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Himalayan Blackberry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Poison Hemlock	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Cheatgrass	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tamarisk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mile-A-Minute Weed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Reed Canary Grass	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Birdsfoot Trefoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Common Reed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Canada Thistle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Leafy Spurge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

PLOT COORDINATES

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

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

Location of coordinates (choose one):

Flag

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

Latitude North 41 1 : 3 3 2 6 9

Longitude West

81.40932

Use Decimal Degrees; NAD83

7966623548

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1104

DATE: 06/22/2011

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 checked="" type="radio"/> Plot 3	

Buffer Natural Cover Strata

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

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

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

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

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

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

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

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 1104

DATE: 06/22/2011

② Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

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

PLOT COORDINATES

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

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

Location of coordinates (choose one):

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

Flag

2

Latitude North 41.53352 Longitude West 81.50937
Use Decimal Degrees; NAD83

Flag	Comments
1	Grape tangle covered with privet - No way thru
2	GPS Coordinates taken at furthest location

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Geographical Metropolis

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GENERAL INFORMATION		LOCATION		All points plotted	
Project Label: PCAP		State: OH County: _____			
Project Name: _____		Quadrangle: _____			
Plot Name: _____		Local Place Names: _____			
Plot No.: 1104		Landowner: _____			
■ Level 4 (no nested corners sampled)		X-axis Bearing of plot: [N60] °			
Date (mm/dd/yyyy): / /		Data Confidentiality: Check one: <input type="checkbox"/> Public data <input type="checkbox"/> Private Data			
End date (if > 1 day): / /		<input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m			
Party		Role**: <input type="checkbox"/> Plot leader		Reason: If data not public why?	
* Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.		Source of coordinates <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS		Plot placement: <input type="checkbox"/> Representative <input type="checkbox"/> GRTS <input type="checkbox"/> Random <input type="checkbox"/> Stratified Random	
PLOT NOT SAMPLED: <input type="checkbox"/> Other <input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety		GPS location in plot x=0 to 5, y=-1.0,+1): X = 0 y = 0 (base of plot x=0, y=0)		□ Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capne specific feature <input type="checkbox"/> Other	
SAMPLING QUALITY* Effort Level: <input type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurried		Coordinate system: <input type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input checked="" type="checkbox"/> deg <input type="checkbox"/> deg min <input type="checkbox"/> Other (specify) <input type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/> c		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.	
Longitude: 81.40916		Latitude: 41.53254		Plot placement: <input type="checkbox"/> Representative <input type="checkbox"/> GRTS <input type="checkbox"/> Random <input type="checkbox"/> Stratified Random	
Coord. Accuracy: 1 m <input type="checkbox"/> ft <input type="checkbox"/> + - 3		GPS File Name: 1104A		Plot size for cover data: 0.01 (hectares)	
Plot size for stems: 0.01 (ha)		Plot size for stems: 0.01 (ha)		Plot placement: <input type="checkbox"/> Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capne specific feature <input type="checkbox"/> Other	
Plot size for stems: 0.01 (ha)		Plot size for stems: 0.01 (ha)		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.	
TAXONOMIC ACCURACY		Plot size for stems: 0.01 (ha)		Plot placement: <input type="checkbox"/> Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capne specific feature <input type="checkbox"/> Other	
Vascular: <input type="checkbox"/> Moderate <input type="checkbox"/> Low <input type="checkbox"/> Not sampled <input type="checkbox"/> n/a		Plot size for stems: 0.01 (ha)		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.	
Bryophytes: <input type="checkbox"/> Moderate <input type="checkbox"/> Low <input type="checkbox"/> Not sampled <input type="checkbox"/> n/a		Plot size for stems: 0.01 (ha)		Plot placement: <input type="checkbox"/> Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capne specific feature <input type="checkbox"/> Other	
Lichens: <input type="checkbox"/> Moderate <input type="checkbox"/> Low <input type="checkbox"/> Not sampled <input type="checkbox"/> n/a		Plot size for stems: 0.01 (ha)		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.	
TAXONOMIC STANDARD		Plot size for stems: 0.01 (ha)		Plot placement: <input type="checkbox"/> Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capne specific feature <input type="checkbox"/> Other	
Authority: G&C Pub Date: 1998		Plot size for stems: 0.01 (ha)		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.	
Plot Set Up					
fall 2010					

Minimum required fields in **Bold** and Underlined:

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet



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Project Label: PCAP Project Name: _____

Plot No.: _____

CLASSIFICATION		STAND SIZE		DISTURBANCES		
(FIT = excellent, good, fair, poor; CONF = high, med, low)		Fit and Confidence		type*	severity**	yrs ago % of plot description
Hydrogeomorphic class (WETLANDS ONLY):		Fit= _____	Conf= _____	<input type="checkbox"/> >1,000 x plot size	<input type="checkbox"/> > 100 x plot size	
<input type="checkbox"/> DEPRESSION		Fit= _____	Conf= _____	<input type="checkbox"/> 10-100 x plot size	<input type="checkbox"/> 3-10 x plot size	
<input type="checkbox"/> IMPOUNDMENT <input type="checkbox"/> Beaver <input type="checkbox"/> Human		Fit= _____	Conf= _____	<input type="checkbox"/> 1-3 x plot size	<input type="checkbox"/> Cut	
<input type="checkbox"/> RIVERINE <input type="checkbox"/> Headwater <input type="checkbox"/> Mainstem <input type="checkbox"/> Channel		Fit= _____	Conf= _____	<input type="checkbox"/> < plot size	<input type="checkbox"/> Animal	
<input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope)		Fit= _____	Conf= _____			
<input type="checkbox"/> FRINGING <input type="checkbox"/> Reservoir <input type="checkbox"/> Natural Lake		Fit= _____	Conf= _____			
<input type="checkbox"/> COASTAL (specify subclass)		Fit= _____	Conf= _____			
<input type="checkbox"/> BOG (strongly, moderately, weekly, ombrotrophic)		Fit= _____	Conf= _____			
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):		Fit= _____	Conf= _____			
<input type="checkbox"/> FOREST <input type="checkbox"/> swamp forest <input type="checkbox"/> bog forest <input type="checkbox"/> forest seep		Fit= _____	Conf= _____	<input type="checkbox"/> Well drained	<input type="checkbox"/> Moderately well dr.	
<input type="checkbox"/> EMERGENT <input type="checkbox"/> marsh <input type="checkbox"/> wet meadow <input type="checkbox"/> open bog		Fit= _____	Conf= _____	<input type="checkbox"/> Somewhat poorly dr.	<input type="checkbox"/> Upland (seldom flooded)	
<input type="checkbox"/> SHRUB <input type="checkbox"/> shrub swamp <input type="checkbox"/> tall sh. bog <input type="checkbox"/> tall sh. fern		Fit= _____	Conf= _____	<input type="checkbox"/> Very poorly dr.	<input type="checkbox"/> Intermittently/seasonally saturated	
MODIFIED NATUREERVE CLASS*		Fit= _____	Conf= _____	<input type="checkbox"/> Impermeable surface	<input type="checkbox"/> (seldom flooded)	
CODE (on separate form):		Fit= _____	Conf= _____			
COMMUNITY NAME:						
LANDFORM TYPE*:						
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"/> Conspicuous inclusions				
<input type="checkbox"/> Irregular/pattern mosaic		<input type="checkbox"/> Irregular/pattern mosaic				

You poor poor soul. Of all the random points in all the Metroparks one had to land here and you had to sample it. Several acres of 8 ft. mulch pile await you here and getting to the point is difficult.

Park on ~~the~~ the pull off (side of old asphalt) on Chagrin River Rd — and CRd. and walk down the street till you see a spot to cut in. We looped around south and flanked this plot by walking along the channel. I will turn the tracking function on on the GPS so hopefully next input make it easier.

BPU = 8.3

