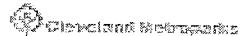


CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form



Project Label:

PCAP

Plot No: 1151

Date Sampled:

7-20-2011 Lead: Eysenbach

Comment required if item answer is NO

Parking/Access outside of Park Boundaries.	Y <input checked="" type="radio"/> N <input type="radio"/>	If yes, write details in Comments section below	
Field journals completed	Y <input checked="" type="radio"/> N <input type="radio"/>		
Site sketch made on 1:3000 map?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Check cover page	X-axis Bearing of plot recorded	Y <input checked="" type="radio"/> N <input type="radio"/>	
	GPS coords. Recorded	Y <input checked="" type="radio"/> N <input type="radio"/>	
	North direction recorded	Y <input checked="" type="radio"/> N <input type="radio"/>	
	Photographs taken?	Y <input checked="" type="radio"/> N <input type="radio"/>	
Plot No., Date agreement on all pages?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Header data completed all pages?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Cover classes recorded in all intensive modules	Y <input checked="" type="radio"/> N <input type="radio"/>		
Browse Level By Species	Y <input checked="" type="radio"/> N <input type="radio"/>		
Woody stem quality control check	Y <input checked="" type="radio"/> N <input type="radio"/>		
Invasive plant quality control check	Y <input checked="" type="radio"/> N <input type="radio"/>		
Ash trees mapped	Y <input checked="" type="radio"/> N <input type="radio"/>	N/A	
Cover by Strata? (confirm cover type)	Y <input checked="" type="radio"/> N <input type="radio"/>		
Soil samples collected with matching plot #	Y <input checked="" type="radio"/> N <input type="radio"/>		
Vouchers labeled on datasheet with initials and number	Y <input checked="" type="radio"/> N <input type="radio"/>		
Vouchers labeled on collection bag	Y <input checked="" type="radio"/> N <input type="radio"/>		
Pink flags removed	Y <input checked="" type="radio"/> N <input type="radio"/>		
Data sheet QA before leaving site?	Y <input checked="" type="radio"/> N <input type="radio"/>		
Common equipment returned to tub.	Y <input checked="" type="radio"/> N <input type="radio"/>		
Data sheets scanned?	7/29/11	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?

 Yes

Original GRTS point is sampleable

 No

Original GRTS point lands in a non-sampleable area (fill in category below)

- Point falls in a water (i.e. river, lake)
- Managed mowed area (i.e. golf course, picnic area, right-of-way)
- Paved area (i.e. parkinglot, road)
- Unsafe to sample (i.e. steep slope)
- Other

Additional Comments:

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2

GENERAL INFORMATION		LOCATION																					
Project Label:	PCAP	State:	OH County: Cuyahoga																				
Project Name: <u>Ohio Road to Nowhere</u>		Quadrangle: <u>Northfield</u>																					
Plot Name: <u>Ohio Road to Nowhere</u>		Local Place Names: <u>Old Road Bed</u> <u>South of Tinkers Creek Overlook</u>																					
Plot No.: <u>1154</u>		Landowner: <u>CPR</u>																					
<input type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled)		X-axis Bearing of plot: <u>[88] 1°</u> Data Confidentiality: Check one: <input type="checkbox"/> Public data <input checked="" type="checkbox"/> Private Data																					
End date (if > 1 day): <u>4/20/2011</u>		<input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m Reason: If data not public why?																					
Party <u>S. Friesenbach</u> Plot leader <u>E. Barton</u> Asst. <u>M. Breth</u> Soils/Woods <u>A. MacL</u> II <u>Bittern</u> Guest		Source of coordinates <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS GPS location in plot x=0 to 5, y=-1,0,+1: $x = \textcircled{0}$ $y = \textcircled{0}$ (base of plot x=0, y=0)																					
PLOT NOT SAMPLED: <input type="checkbox"/> Other <input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety		Coordinate system: <input checked="" type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input checked="" type="checkbox"/> deg <input type="checkbox"/> deg min Datum: <input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27																					
SAMPLING QUALITY* Effort Level: <input checked="" type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurried		Plot placement: <input type="checkbox"/> Representative <input type="checkbox"/> GRTS <input type="checkbox"/> Random <input type="checkbox"/> Stratified Random <input type="checkbox"/> Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capture specific feature <input type="checkbox"/> Other																					
PLOT NOT SAMPLED: <input type="checkbox"/> Other <input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety		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 <table border="1"> <tr> <td>high</td> <td>modera.</td> <td>low</td> <td>not simpl</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>n/a</td> </tr> <tr> <td>vascul.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>bryo</td> <td></td> <td></td> <td></td> </tr> <tr> <td>lichen</td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> </table>		high	modera.	low	not simpl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	n/a	vascul.				bryo				lichen			<input checked="" type="checkbox"/>	Layout: <u>2x5</u> Location: Park at Tinkers Creek Overlook Walk ~300 m South along <u>Old Road Bed</u> Latitude: <u>41.37484</u> Longitude: <u>081.56056</u> Coord. Accuracy: <u>± 21</u> GPS File Name: <u>1154A</u> Plot size for cover data: <u>0.1</u> (hectares)	
high	modera.	low	not simpl																				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	n/a																				
vascul.																							
bryo																							
lichen			<input checked="" type="checkbox"/>																				
TAXONOMIC STANDARD Authority: G&C Pub Date: 1998		Rationale: GRTS pt <u>Key Char:</u> Mixed canopy of Black Cherry, Sharpbark Hickory / Red Maple, Sugar Maple, Sassafrass / White Ash, Tulip Poplar Subcanopy: Red Maple, Crataegus Under: Sedges! and Invasives OVER																					

Minimum required fields in Bold and Underlined

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

Oriental Bittersweet, Privet, Multiflora Rose, Japanese honeysuckle, Buckthorn,

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name: D BZ, 2011

Plot No.: 1159

Plat: 1159, Block: 1159, Lot: 1159

Page 2 of 2

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):				<input type="checkbox"/> > 1,000 x plot size	Fit= Conf=	Human	4	20	50	Reed Bed	
<input type="checkbox"/> DEPRESSION				<input type="checkbox"/> 10-100 x plot size	Fit= Conf=	Natural					
<input type="checkbox"/> IMPOUNDMENT <input type="checkbox"/> Beaver <input type="checkbox"/> Human				<input type="checkbox"/> 3-10 x plot size	Fit= Conf=	Fire					
<input type="checkbox"/> RIVERINE <input type="checkbox"/> Headwater <input type="checkbox"/> Mainstem <input type="checkbox"/> Channel				<input checked="" type="checkbox"/> 1-3 x plot size	Fit= Conf=	Cut					
<input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope)				<input type="checkbox"/> < plot size	Fit= Conf=	Animal	1	0	100	Deer Browse	
<input type="checkbox"/> FRINGING <input type="checkbox"/> Reservoir <input type="checkbox"/> Natural Lake				<input type="checkbox"/> Other	Fit= Conf=	Other					
<input type="checkbox"/> COASTAL (specify subclass)				**L=low, M=med, H=med high, H=high, VH=very high							
<input type="checkbox"/> BOG (strongly, moderately, weekly, ombrotrophic)				Current Land Use: Park							
Ohio EPA VIB Plant Community Class (WETLANDS ONLY):				Former Land Use: Old Road							
<input type="checkbox"/> FOREST <input type="checkbox"/> swamp forest <input type="checkbox"/> bog forest <input type="checkbox"/> forest seep				HYDROLOGIC REGIME*							
<input type="checkbox"/> EMERGENT <input type="checkbox"/> marsh <input type="checkbox"/> wet meadow <input type="checkbox"/> open bog				<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. fen				<input type="checkbox"/> Intermittently/seasonally saturated							
MODIFIED NATURE RESERVE CLASS*				<input type="checkbox"/> Intermittently flooded							
CODE (on separate form): <input checked="" type="checkbox"/>				<input type="checkbox"/> Semipermanently flooded							
COMMUNITY NAME: <i>Mixed</i>				<input type="checkbox"/> Permanently flooded							
HOMOGENEITY				<input type="checkbox"/> Tidal/Seiche flooded daily							
<input checked="" type="checkbox"/> Homogeneous				<input type="checkbox"/> Tidal/Seiche flooded monthly							
<input type="checkbox"/> Compositional trend across the plot				<input type="checkbox"/> Tidal/Seiche flooded irregular							
<input type="checkbox"/> Conspicuous inclusions				<input type="checkbox"/> (e.g. wind, storms)							
<input type="checkbox"/> Irregular/pattern mosaic				<input type="checkbox"/> Unknown							
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)										<p>Plot was located on an old road bed so the tree stand was a mixed variety of old + successional trees. There were a lot of invasives in the disturbed old road bed</p>	

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Project Label: PCAF

Total modules: 10

Visual est. % open water entire site:

Project name: O3E20 Plot no.: 1157
Extensive modules: 4 Plot configuration: 2x5
Inv. o.w. entire site: D Visual est. %invasives entire site: 0

Plot area (ha): 1.0

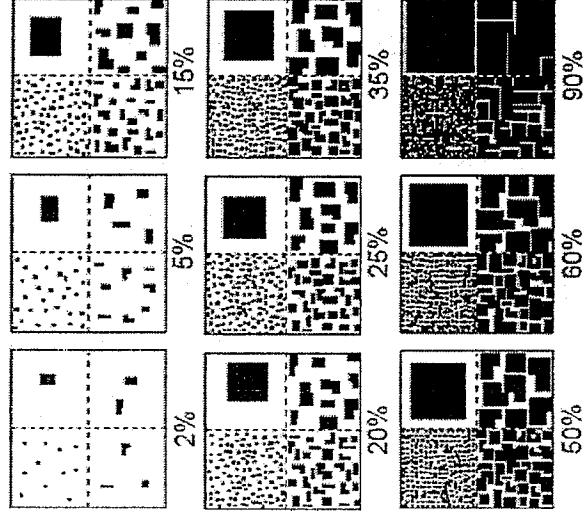


Cleveland
Metroparks

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

EXAMPLES OF PERCENT OF AREA COVERED

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



BROWSE RATING NARRATIVE DESCRIPTION

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

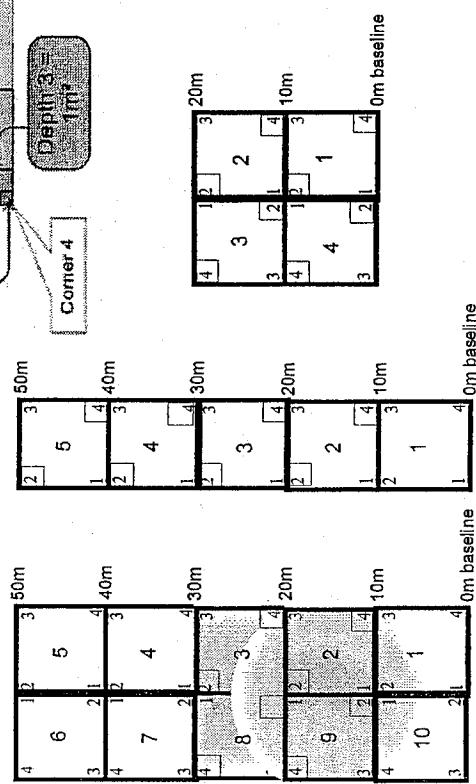
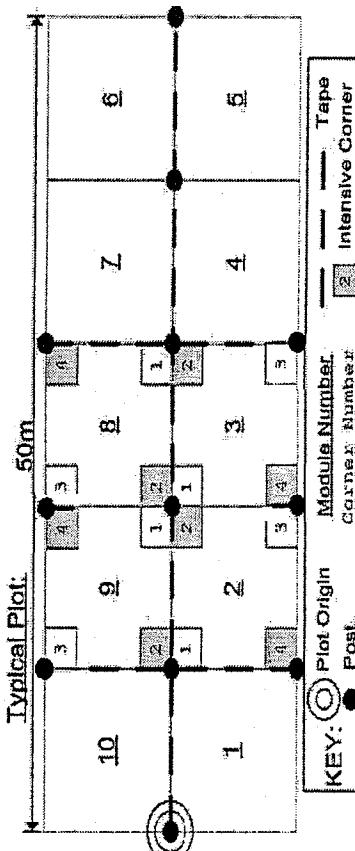
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

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

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

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



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Project Label: _____ PCAP

Total modules: _____

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

Project name: Oil Bee
Extensive modules: 4
Inveg.o.w. entire site:

Plot no.: 109
configuration: 2x5
Visual est. %invasives entire site:

Plot area (ha): 0.1

1

Cleveland
Metroparks

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

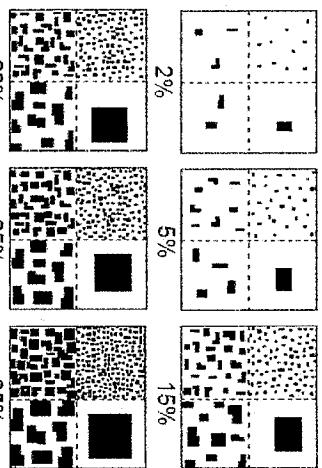
Estimate for each intensive module:
%open wa
%unvegetated open wa

Wick

1	<i>Fraxinus</i> <i>excelsior</i>	1	2
2	<i>Fraxinus</i> <i>mackii</i>	1	2
2	<i>Glycine</i> <i>strigata</i>	1	1
1	<i>Rubus</i> <i>Allegheniensis</i>	1	1
1	<i>Rubus</i> <i>spinosissima</i>	1	1
1	<i>Fragaria</i> <i>ananassa</i>	1	1
1	<i>Rubus</i> <i>obovatus</i>	1	1
1	<i>Rubus</i> <i>pedunculatus</i>	1	1
2	<i>Frangula</i> <i>alnus</i>	1	1
1	<i>Carya</i> <i>seboldiana</i>	1	1
2	<i>Alliaria</i> <i>petiolata</i>	1	1
4	<i>Lonicera</i> <i>japonica</i>	1	1
2	<i>Carex</i> <i>rosea</i>	1	2
4	<i>Vitis</i> <i>vestita</i>	2	4
2	<i>Bucus</i> sp	4	5
2	<i>Pota</i> <i>comprissa</i>	1	1
2	<i>Carnus</i> <i>racemosa</i>	1	1
1	<i>Rubus</i> <i>occidentalis</i>	1	1
5	<i>Fagus</i> <i>grandifolia</i>	1	1
6	<i>Fagus</i> <i>lanceolata</i>	4	8

EXAMPLES OF PERCENT OF AREA COVERED

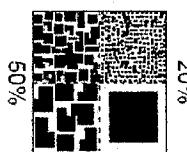
The following graphic can be used for various data elements to convey "Amount or Quantity". **NOTE:** Within any given box, each quadrant contains the same total area covered, just different sized objects.



25%

35%

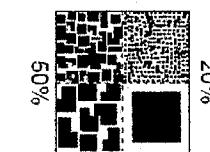
35%



20%

15%

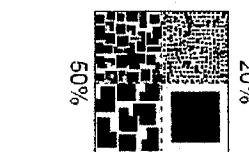
15%



5%

5%

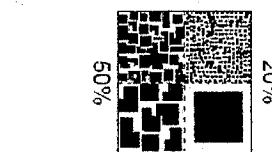
5%



2%

2%

2%



1%

1%

1%

Nested Corners

50%

60%

90%

Depth 5 =
0.01m²

100m²

100m²</

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 3 of 3

Project Label: PCAP

Project name: OIBR 2011

Plot no.: 1159

Total modules: 1 to 4

Intensive modules: 4

Plot configuration: S X S

Plot area (ha): 0.1

Visual est. % open water entire site: _____

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

Visual est. %invasives entire site: _____



Cleveland Metroparks

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

Estimate for the each intensive module:	mod	corner																
	depth	cov																
%unveg. ground (bare soil)	1		1		1		1		1		1		1		1		1	
%unveg. litter (bare litter)	1		1		1		1		1		1		1		1		1	

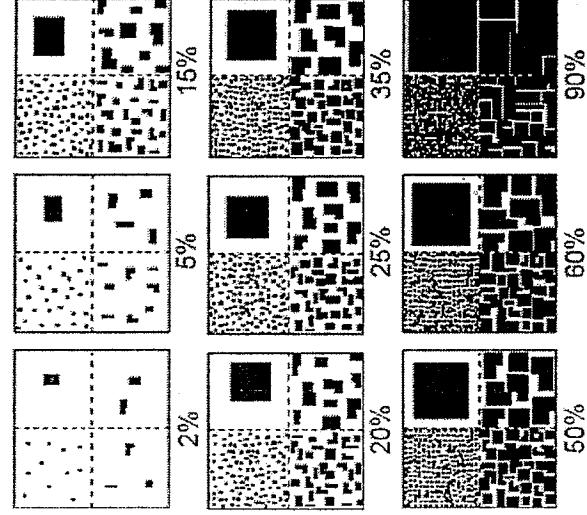
Strata - Cov entire plot

T	S	H	(F)	(A)	Br	Species	C	Voucher #	depth	cov									
	1					<i>Artemesia triphylla</i>			2	4	2	3	4	3	8	2	3	4	2
	1					<i>Rubus spectabilis</i>													
	4					<i>Carox</i> (Grevillea?)													
	1					<i>Taxacum officinale</i>													
	1					<i>Carex cephalophora</i>													
	2					<i>Carex sp.</i>													
	2					<i>Carex sp.</i>													
						<i>Polygonatum multiflorum</i>													
						<i>Carduus taxifolius</i>													
						<i>Prunella vulgaris</i>													
						<i>Oxalis stricta</i>													
						<i>Juncus tenuis</i>													
						<i>Cladonia divaricata</i> sp. 4.22-11													
						<i>Carox complanata</i>													
						<i>Carya ovata</i>													
						<i>Veronica officinalis</i>													
						<i>Carox sp.</i>													
	1					<i>Apocynum cannabinum</i>													
	2					<i>Dactylis glomerata</i>													
	3					<i>Rumex obtusifolia</i>													
	2					<i>Quercus rubra</i>													
	5					<i>Ulmus americana</i>													
	3					<i>Fraxinus americana</i>													
	3					<i>Nyssa sylvatica</i>													
	5					<i>Gledhillia sp.</i>													
	1					<i>Prunus pensylvanica</i>													

Cont'd
See page 3411

EXAMPLES OF PERCENT OF AREA COVERED

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



BROWSE RATING NARRATIVE DESCRIPTION

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

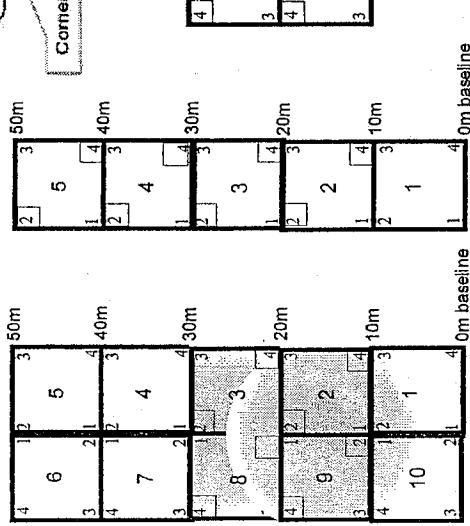
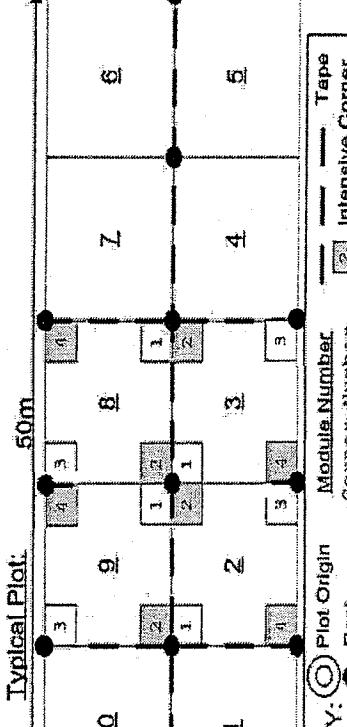
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

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

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

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



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: OBC 2011

Plot No.: 1159

Gathering Reference Data

Explain subsample (additional room on back):

mod #	species	c	voucher#	# stems 0.5-1m browsed	% sub sample	# shrub clumps	size class (cm) woody stems >1m										10 >40 (record each tree)	11
							1 0-<1	2 1-<2.5	3 2.5-<5	4 5-<10	5 10-<15	6 15-<20	7 20-<25	8 25-<30	9 30-<35	10 35-<40		
✓ 1	<i>Prunus serrulata</i>						•											60.8
✓ 1	<i>Quercus rubra</i>																	
✓ 1	Standing Dead																	
✓ 1	<i>Rosa multiflora</i>			3		5												
✓ 1	<i>Fraxinus americana</i>																	46.5, 48.2, 43.5
✓ 1	<i>Carpinus ovata</i>						•											
✓ 1	<i>Vitis aestivalis</i>						••	••										
✓ 1	<i>Prunus pensylvanica</i>																	
✓ 1	<i>Acer rubrum</i>						•											
✓ 1	<i>Sassafras albidum</i>																	
✓ 2	Standing Dead																	
✓ 2	<i>Sassafras albidum</i>																	
✓ 2	<i>Rosa multiflora</i>			2		3		•	•									
✓ 2	<i>Acer saccharum</i>																	
✓ 2	<i>Cornus florida</i>																	
✓ 2	<i>Acer rubrum</i>																	
✓ 2	<i>Vitis aestivalis</i>																	
✓ 2	<i>Berberis thunbergii</i>																	
✓ 2	<i>Lonicera maackii</i>						1											
✓ 3	<i>Vitis aestivalis</i>							•	•									
✓ 3	<i>Acer rubrum</i>							•										
✓ 3	<i>Actaea spicata</i>																	
✓ 3	<i>Sassafras albidum</i>																	
✓ 3	Standing Dead																	

5-DEAD TREES ASH CANOPY BREAKDOWN CONDITION (0-100%)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1. Healthy, full canopy: A healthy ash canopy is normally thicker than many other trees such as maple.

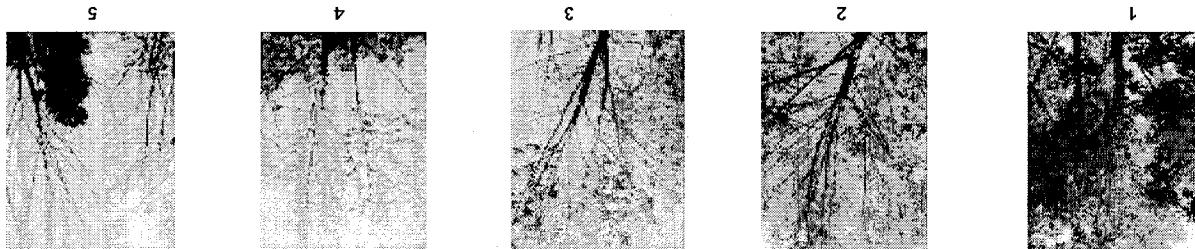
2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.

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 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.

ASH CANOPY CONDITION

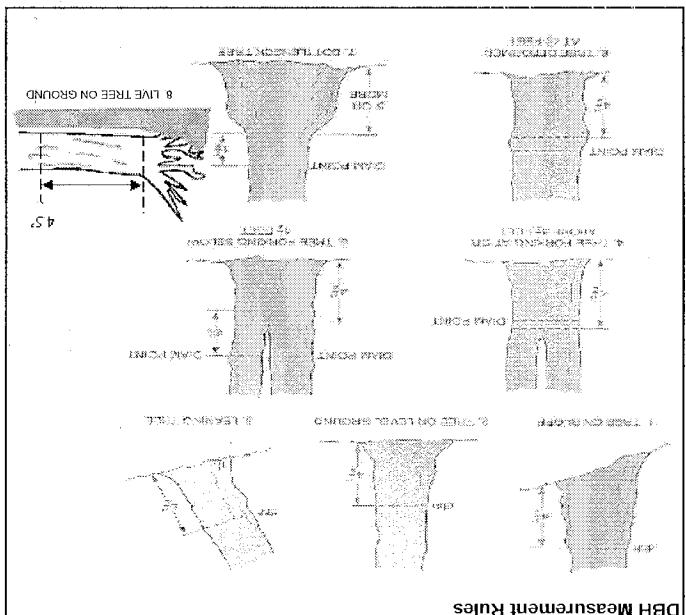


Record using the tally system from 1 to 10

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

Wood Stem Deer Browse

DBH Measurement Rules



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: 01 BE 2011

Plot No.: 1159

Page: 2 of 2

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Explain subsample (additional room on back):

mod #	species	c	voucher#	browsed	sample	clumps	# shrub	size class (cm) woody stems >1m										11
								0-1	1-2.5	2.5-5	3	4	5	6	7	8	9	
4	<i>Fagus grandifolia</i>																	
✓	<i>Acer saccharum</i>																	
✓	Standing Dead																	
✓	<i>Prunus serotina</i>																	
✓	<i>Vitis aestivalis</i>							••	••									
✓	<i>Carya ovata</i>										•	•						
✓	<i>Nyssa sylvatica</i>																	
✓	<i>Quercus rubra</i>																	
✓	<i>Acer rubrum</i>																	
✓	<i>Rosa multiflora</i>						2											
✓	<i>Sassafras albidum</i>																	
✓	5 Standing Dead																	
✓	<i>Liriodendron tulipifera</i>																	
✓	<i>Carya ovata</i>																	
✓	<i>Ulmus americana</i>																	
✓	<i>Prunus serotina</i>																	
✓	<i>Acer rubrum</i>																	
✓	<i>Fagus grandifolia</i>																	
✓	<i>Vitis aestivalis</i>																	
✓	6 Standing Dead																	
✓	<i>Liriodendron tulipifera</i>																	
✓	<i>Rosa multiflora</i>						1											
✓	<i>Ulmus americana</i>																	

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: 01382011

Plot No.: 1159

Page: 3 of 4

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Explain subsample (additional room on back):

mod #	species	c voucher#	# stems 0.5-1m browsed	% sub shrub sample	# clumps	size class (cm) woody stems >1m	Plot No.: 1159										
							1 0-1	2 1-2.5	3 2.5-5	4 5-10	5 10-15	6 15-20	7 20-25	8 25-30	9 30-35	10 35-40	>40 (record each tree)
✓ 6	<i>Acer saccharum</i>						•										11
✓ 6	<i>Cornus florida</i>																
✓ 7	<i>Liriodendron tulipifera</i>																
✓ 7	<i>Carica ovata</i>																
✓ 7	<i>Acer saccharum</i>																
✓ 7	<i>Acer rubrum</i>																
✓ 7	<i>Fagus grandifolia</i>						•										
✓ 7	<i>Vitis aestivalis</i>						•	•	•	•	•	•	•	•	•	•	
✓ 7	<i>Populus deltoides</i>						•	•	•	•	•	•	•	•	•	•	
✓ 7	<i>Rosa multiflora</i>						•	•	•	•	•	•	•	•	•	•	
✓ 7	Standing Dead						•	•	•	•	•	•	•	•	•	•	
✓ 7	<i>Ulmus americana</i>						•	•	•	•	•	•	•	•	•	•	
✓ 7	<i>Prunus serrulata</i>						•	•	•	•	•	•	•	•	•	•	
✓ 7	<i>Berberis thunbergii</i>						•	•	•	•	•	•	•	•	•	•	
✓ 8	<i>Sassafras albidum</i>						2										
✓ 8	<i>Crataegus sp.</i>						•										
✓ 8	<i>Acer rubrum</i>																
✓ 8	<i>Lindernia multiflora</i>																
✓ 8	<i>Vitis aestivalis</i>	1					•	•	•	•	•	•	•	•	•	•	
✓ 8	<i>Acer saccharum</i>						•	•	•	•	•	•	•	•	•	•	
✓ 8	<i>Berberis thunbergii</i>						3										
✓ 9	<i>Rosa multiflora</i>		1	2													
✓ 9	<i>Liriodendron tulipifera</i>																

AN ANNUAL BREAKDOWN CONDITION TO DEAD TREES. (If an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition ranks as described below)

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

rank as described below)

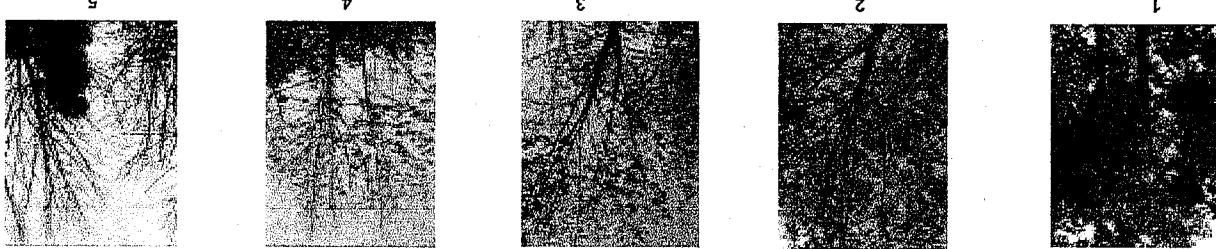
B A



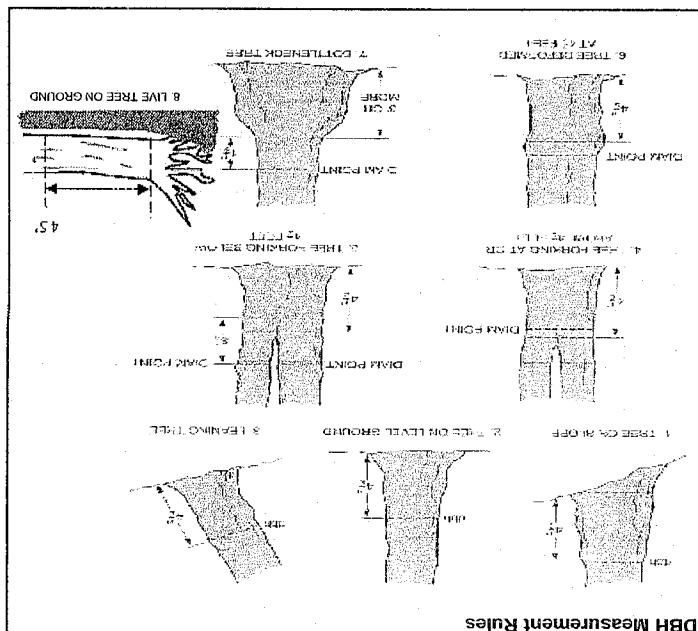
1. **Hearth, full canopy:** A healthy ash canopy is normally thinner than many other trees such as maple.
2. **Thinning canopy:** There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
3. **Dieback:** Sunlight is filtering through the many leaves and some 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.

ASH CANOPY CONDITION

1 2 3 4 5



Record the number of stems/plants between 0.5-1.0 metres tall that exhibit evidence of this year's 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: Object

Plot No.: 1154

Page: 4 of 5

Explain subsample (additional room on back):

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

A: All main branches contain fine twigs (newly dead).

C: Less than 50% of main branches have fine twigs.

B: Over 50% of main branches have fine twigs.

A: All main branches contain fine twigs (newly dead).

For more information, contact the U.S. Environmental Protection Agency (EPA) at 1-800-424-4342 or visit the website at www.epa.gov.

rank as described below)

(If an ash receives a score of 5 (dead) under canopy

ASH CANOPY BREAKUP CONDITION (for dead trees)

rank as described below)

2



(lowest branch) on the trunk.

4. $>50\%$ Dieback: The canopy has less than half of the leaves that should be the top 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 epiphytic sprouts below the canopy

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

2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.

3. Debarking: Canopy is thinned and some top branches exposed to sunlight are dead (bare no leaves). Lower branches, not exposed to

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.

1. **Healthy, full canopy:** A healthy ash canopy is normally thinner than many other trees such as maple.

ASH CANOPY CONDITION

1



Record using the tally system from 1 to 10

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

Woodsy Stem Deer Browse



CLEVELAND METROPARKS Emerald Ash Borer - *Fraxinus* Sheet

Project Label: PCAP

Project Name: OJRK201

INTENSIVE MODULES ONLY TREES $\geq 10\text{cm}$ ONLY

Page: 1 of 2

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Module	Tree ID	Species	Dead c	Voucher #	DBH (cm)	HT @ DBH	Ash condition	Dead condition	ASH Only		
									# Dead holes	# Exit present	Epicormic holes
1	No Ash										
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

Baseline

*** Change intensive module numbers when necessary

N

9

8

2

3

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 $1.25\text{mm} \times \geq 1.5\text{in}$
- Woodpecker and epicormic marked present (1) or absent (0)

Tier 1: Early detection/ Rapid response							Tier 2: Assess as Needed			Tier 3: Presence is of interest							Tier 4: Widespread and abundant			Tier 5: Yes			
Presence			GPS			# of Plants			Comments			# of Plants			Comments			# of Plants			# of Plants		
<i>Microstegium vimineum</i>	Japanese Stiltgrass			NE SE SW NW			# of Plants			Comments			# of Plants			Comments			# of Plants				
<i>Ranunculus ficaria</i>	Lesser Celandine																						
<i>Cyperus rotundus</i>	Common Sedge																						
<i>Lythrum salicaria</i>	(Vine) Purple Loosestrife			2 3 2			# of Plants			Comments			# of Plants			Comments			# of Plants				
<i>Alianthus altissima</i>	Tree of Heaven																						
<i>Lonicera japonica</i>	(Vine) Japanese Honeysuckle			2 3 2			# of Plants			Comments			# of Plants			Comments			# of Plants				
<i>Lythrum salicaria</i>	(Vine) Purple Loosestrife																						
<i>Alnus glutinosa</i>	European Alder			2 2 2			# of Plants			Comments			# of Plants			Comments			# of Plants				
<i>Dipsacus laciniatus</i>	Cut-leaf Teasel																						
<i>Rhamnus cathartica</i>	Common Buckthorn																						
<i>Conium maculatum</i>	Poison Hemlock																						
<i>Berberis thunbergii</i>	Japanese Barberry			2 2 3			# of Plants			Comments			# of Plants										
<i>Alnus glutinosa</i>	European Alder			2 2 3			# of Plants			Comments			# of Plants										
<i>Trollius sp.</i>	Hedgeparsley																						
<i>Clethra alnifolia</i>	(Vine) Asian Bittersweet			2 2 2			# of Plants			Comments			# of Plants										
<i>Aegopodium podagraria</i>	(Vine) Bishop's Goutweed																						
<i>Lytrum salicaria</i>	Purple Loosestrife			2 3 2			# of Plants			Comments			# of Plants										
<i>Lonicera japonica</i>	(Vine) Japanese Honeysuckle			2 3 2			# of Plants			Comments			# of Plants										
<i>Alnus glutinosa</i>	European Alder			2 2 3			# of Plants			Comments			# of Plants										
<i>Conium maculatum</i>	Poison Hemlock																						
<i>Rhamnus cathartica</i>	Common Buckthorn																						
<i>Berberis thunbergii</i>	Japanese Barberry			2 2 3			# of Plants			Comments			# of Plants										
<i>Alnus glutinosa</i>	European Alder			2 2 3			# of Plants			Comments			# of Plants										
<i>Elaeagnus umbellata</i>	Autumn Olive			2 2 2			# of Plants			Comments			# of Plants										
<i>Lonicera maackii</i>	Amur Honeysuckle			2 2 2			# of Plants			Comments			# of Plants										
<i>Euonymus fortunei</i>	Wintercreeper			2 2 2			# of Plants			Comments			# of Plants										
<i>Phillyrea latifolia</i>	Mock Orange			2 2 2			# of Plants			Comments			# of Plants										
<i>Pachysandra terminalis</i>	(G-cover) Japanese Pachysandra																						
<i>Euonymus europaeus</i>	(G-cover) Five-leaf Aralia			2 2 2			# of Plants			Comments			# of Plants										
<i>Convallaria majalis</i>	Lily of the Valley			NE SE SW NW			# of Plants			Comments			# of Plants										
<i>Coronilla varia</i>	(G-cover) Crown Vetch																						
<i>Alnus glutinosa</i>	Lily of the Valley			NE SE SW NW			# of Plants			Comments			# of Plants										
<i>Dipsacus laciniatus</i>	Cut-leaf Teasel																						
<i>Rhamnus cathartica</i>	Common Buckthorn																						
<i>Elaeagnus umbellata</i>	Autumn Olive																						
<i>Euonymus fortunei</i>	Wintercreeper																						
<i>Phillyrea latifolia</i>	Mock Orange																						
<i>Convallaria majalis</i>	Lily of the Valley			NE SE SW NW			# of Plants			Comments			# of Plants										
<i>Alnus glutinosa</i>	Lily of the Valley			NE SE SW NW			# of Plants			Comments			# of Plants										
<i>Dipsacus laciniatus</i>	Cut-leaf Teasel																						
<i>Rhamnus cathartica</i>	Common Buckthorn																						
<i>Elaeagnus umbellata</i>	Autumn Olive																						
<i>Phillyrea latifolia</i>	Mock Orange																						
<i>Convallaria majalis</i>	Lily of the Valley																						

COVER BY STRATA: % estimate using midpoints of ext. 3, 8, 13, 18% Strata		EARTH SURFACE & GROUND COVER	
Height Range (in)	Total Cover (%)	Underlying Earth Surface*	Ground Cover
Tree	2 - 5	93	(Sum = 100%) percent
Shrub	0.5 - 5	38	(Each $\leq 100\%$) percent
Herb	< 0.5	53	Histosol
(Floating)*	/	/	Mineral Soil
(Aquatic)**	/	/	Gravel/Cobble*
			3 Litter
			78
			Boulder**
			4 Duff (Fern + Humus)
			Bedrock
			3 Bryophyte-Lichen
			Water
			2 Gravel-Cobble = 1/16 to 10 in
			1 Boulders > 10 in
			*** <5 cm in diameter
			<5 cm in diameter
			Other

SEE BACK OF PAGE FOR "TYPICAL"
 STRATA DESCRIPTIONS. STRATA
 CAN VARY BY COVER TYPE.

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

MICROTERRAINOGRAPHIC FEATURE COUNTS - Intensive modules only

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

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

3 feature is present in very small amounts, but not of highest quality, or in small amounts of highest quality

7 feature is present in moderate amounts and of highest quality

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

C.w.d. - count for pieces with minimum 1m length							
no. of	no. of	no. macro.	c.w.d.	c.w.d.	c.w.d.	microhab.	microhab.
tussocks	hummocks	depressions	(2-12 cm)	(12-40 cm)	>40 cm	interspers.	interspers.
depth 3	depth 2	depth 1	depth 1	depth 1	depth 1	SLOPE	SLOPE
1x1m	3.16x3.16m	10x10m	10x10m	10x10m	10x10m	+135 degrees	+135 degrees
mod#	corner	(count)	(count)	(count)	(count)	(rank)	(rank)
2	6	9	1	14	2	1	0
3	0	0	1	8	0	1	0
8	9	0	2	10	0	1	0
9	0	0	2	13	1	0	1

NOTE: Tufts and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.

macro depressions = macrotopographic depressions with module. These may extend into other modules and be counted a/dn.

c.w.d. = coarse woody debris

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

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

CROWN COVER (DENSIMETER): Make
 Readings per module facing N, S, E, W. Place
 (4 dots per grid square)

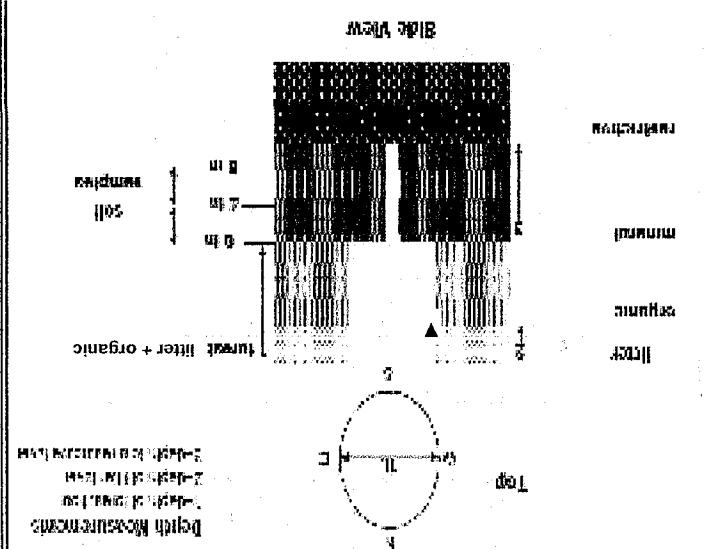
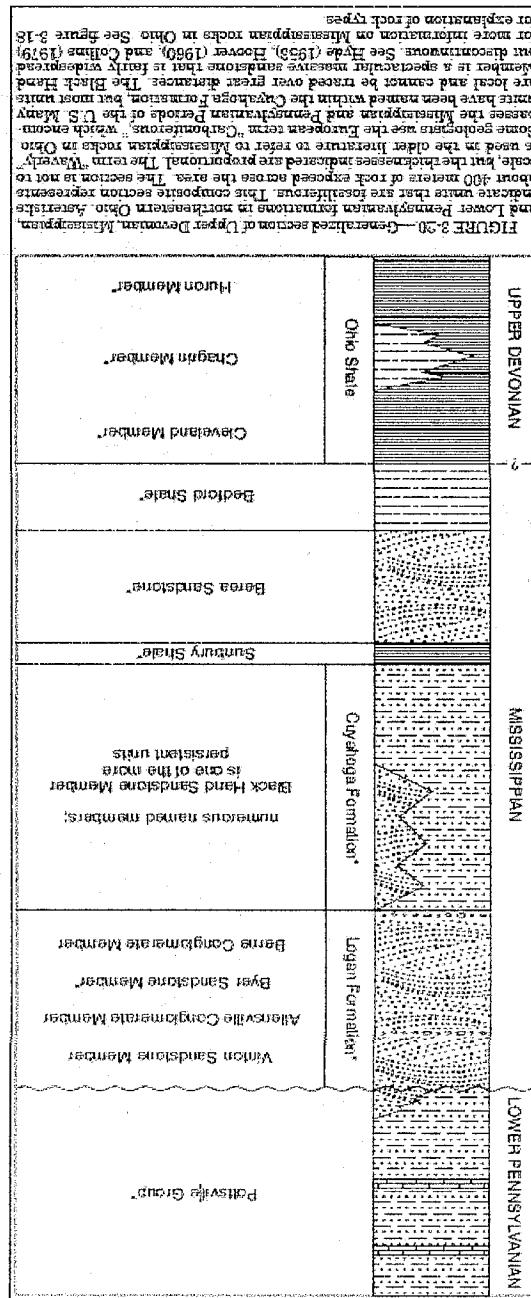
LFI*
 TSI**

MCNAB INDICES (degrees) + for up - for down	
At aspect	N
LFI*	
TI	
TI is angle of plot to the horizon. TSI is angles formed by local slopes. For TSI measure angle from recorder's eye to eye of person standing ~10 m away.	

+45 degrees	N/E
+90 degrees	E
+135 degrees	SE
+180 degrees	S
+225 degrees	SW
+270 degrees	W
+315 degrees	NW

* Landform Index (site microtopographic shape)

** Terrain Shape Index (site microtopographic shape)



COVER BY STRATA	GENERAL FORM
Flotalling	Floating
Herb (Field)	Herb, dwarf-shrub*, tree (seedling**)
Shrub (generally >5 m)	Trees (sapling), shrub, liana, epiphyte
Trees (generally >5 m)	Trees (overstory), very tall shrubs*, liana, epiphyte
Shrub (generally 0.5 to 5 m)	epiphyte
Patasite Group	
Vinton Sandstone Member	Alluvial Conglomerate Member
Bryce Sandstone Member	Black Hand Sandstone Member
numerous unnamed members	numerous unnamed members
Catawba Formation	Catawba Formation
MISSISSIPPAN	
Sunbury Shale	Black Hand Sandstone Member
Berea Sandstone	Black Hand Sandstone Member
Bedford Shale	Black Hand Sandstone Member
Cleveland Member	Black Hand Sandstone Member
Ohio Shale	Black Hand Sandstone Member
UPPER DEVONIAN	
Chagrin Member	Chagrin Member
Huron Member	Huron Member

RM B-1: BUFFER SAMPLE PLOTS (Part)

Reviewed by (initial): _____

Site ID: PCAP Be 1159

DATE: 07/20/2011

Location:

● AA Center ON OS OE OW

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

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

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

Industrial Development Stressors				Habitat/Vegetation Stressors										
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Forest Clear Cut	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Herbicide Use	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			
Gas Wells	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Forest Selective Cut	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Mowing/Shrub Cutting	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			
Mine (surface)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Tree Plantation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Trails	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			
Mine (underground)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Tree Canopy Herbivory (INSECT)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			
Military	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/> D <input type="radio"/> E <input type="radio"/> B <input type="radio"/> N	<input checked="" type="radio"/> 4			Offroad vehicle damage	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Highly Grazed Grasses (OVERALL <3" HIGH)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Recently Burned Forest Canopy	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Recently Burned Grassland (BLACKENED)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4				Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			

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

2428168304

Buffer Sample Plots 05/27/2011

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)																																																																																																																																																																																			
<p>Site ID: 24 PCAP BC 1159 DATE: 07/20/2011</p> <p>Received by (initials): _____</p> <p>• Confirm a filled bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble</p>																																																																																																																																																																																			
<table border="1"> <thead> <tr> <th colspan="3">Fill bubble if present - Plot 1</th> <th colspan="3">Fill bubble if present - Plot 2</th> <th colspan="3">Fill bubble if present - Plot 3</th> <th colspan="3">Flag</th> </tr> </thead> <tbody> <tr> <td>Eurasian Watermilfoil</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Purple Loosestrife</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Johnson Grass</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Kudzu</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Water Hyacinth</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Knotweed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Japanese Knotweed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Multiflora Rose</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Yellow Floating Heart</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Perennial Pepperweed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Common Buckthorn</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Himalayan Blackberry</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Giant Sallow</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Giant Reed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Chesagrass</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Tamansk</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Poison Hemlock</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Mille-A-Minute Weed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Reed Canary Grass</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Other</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Brilliant Tress</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Common Reed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Common Reed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Other</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Canada Thistle</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Leatherleaf</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Leatherleaf</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Other</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="12"> <p>• Provide GPS coordinates at the center of the Buffer Plot (#3) at the rear end of each Buffer Transect and for the Buffer Plot at the AA CENTER. 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RM B-1: BUFFER SAMPLE PLOTS (1 plot)

Reviewed by (initial):

Site ID: PCAP De 1154

DATE: 07/20/2011

Location:

O AA Center O N O S O E O W

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

O Plot 1 O Plot 2 O Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

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

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

RM B-1: BUFFER SAMPLE PLOTS (Form 1)

Reviewed by (initial): _____

Site ID: PCAP Bc 1:59

DATE: 07/20/2011

Location:

O AA Center O N O S O E O W

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

O Plot 1 O Plot 2 O Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

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

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

2428168304

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

Buffer Sample Plots 05/27/2011

RM B-1: BUFFER SAMPLE PLOTS (Form 1)

Reviewed by (initial): _____

Site ID: PCAP Be 1159

DATE: 07/20/2011

Location:

O AA Center O N O S O E O W

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

O Plot 1 O Plot 2 O Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

Industrial Development Stressors				Habitat/Vegetation Stressors											
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Highly Grazed Grasses (OVERALL <1" 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., P1, P2, etc. = misc. flags assigned by each field crew.

2428168304

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

RM B-1: BUFFER SAMPLE PLOTS (Part)

Reviewed by (initial): _____

Site ID: PCAP Be 1159

DATE: 07/20/2011

Location:

 AA Center N S E W

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

 Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

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

2428168304

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)											
<input checked="" type="checkbox"/> Confirms a filled bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble											
Site ID: PCP Be 159 DATE: 07/20/2011											
Reviewed by (initials): _____											
Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 2 3 Flag Eurasian Watermilfoil <input type="checkbox"/> <input type="checkbox"/> Purple Loosestrife <input type="checkbox"/> <input type="checkbox"/> Johnsongrass <input type="checkbox"/> <input type="checkbox"/> Flag Water Hyacinth <input type="checkbox"/> <input type="checkbox"/> Knotweed <input type="checkbox"/> <input type="checkbox"/> Kudzu Yellow Floating Heart <input type="checkbox"/> <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> <input type="checkbox"/> Multiflora Rose Giant Reed <input type="checkbox"/> <input type="checkbox"/> Perennial Pepperweed Common Buckthorn <input type="checkbox"/> <input type="checkbox"/> Himalayan Blackberry Cheatgrass <input type="checkbox"/> <input type="checkbox"/> Tamarsk Mill-A-Minute Weed <input type="checkbox"/> <input type="checkbox"/> Reed Canary Grass Common Reed <input type="checkbox"/> <input type="checkbox"/> Other Birdfoot Trefoil <input type="checkbox"/> <input type="checkbox"/> Common Reed Canada Thistle <input type="checkbox"/> <input type="checkbox"/> Leafy Spurge Other <input type="checkbox"/> <input type="checkbox"/> Other											
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 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 Transect 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): <input type="checkbox"/> AA CENTER <input type="checkbox"/> S3 <input type="checkbox"/> S3 <input checked="" type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (flag and comment below)											
Latitude North 41 3750.5 Longitude West 81 5621.2 Use Decimal Degrees, NAD83											
Flag Comments											
Buffer Sample Points - Targeted Alien Species 05/27/2011 7966623548											

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2

GENERAL INFORMATION

<u>Project Label:</u>	PCAP
<u>Project Name:</u>	<u>1159</u> 01/2010
<u>Plot Name:</u>	
<u>Plot No.:</u>	<u>1159</u>
<input checked="" type="checkbox"/> Level 4 (no nested corners sampled)	
<input checked="" type="checkbox"/> Level 5 (nested corners sampled)	
<u>Date (mm/dd/yyyy):</u>	/ /
<u>End date (if > 1 day):</u>	/ /
<u>Party</u>	<u>Role**</u>
	Plotleader
** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.	

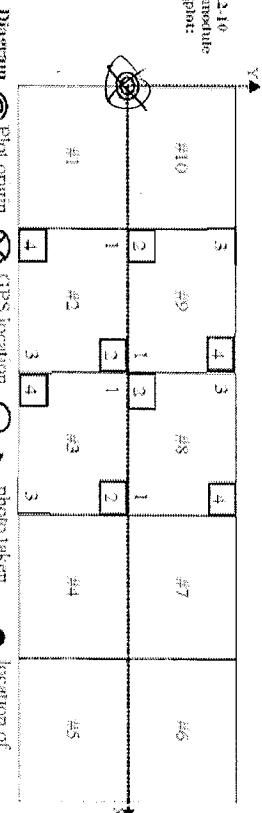
<u>PLOT NOT SAMPLED:</u>	<input type="checkbox"/> Other		
<input type="checkbox"/> Perm. water	<input type="checkbox"/> Paved	<input type="checkbox"/> Slope	<input type="checkbox"/> Safety
SAMPLING QUALITY*			
<u>Effort Level:</u>	subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data		
<input type="checkbox"/> Very thorough	<input type="checkbox"/> Accurate	<input type="checkbox"/> Hasty	
TAXONOMIC ACCURACY			
<input type="checkbox"/> high	<input type="checkbox"/> moderate	<input type="checkbox"/> low	<input type="checkbox"/> not sampled
vascular			n/a
bryo			
lichen			
TAXONOMIC STANDARD			
<u>Authority:</u>	G&C Pub Date: 1998		

Minimum required fields in Bold and Underlined

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

OVER

LOCATION			
<u>State:</u>	OH	<u>County:</u>	
<u>Quadrangle:</u>			
Local Place Names:			
Landowner:			
X-axis Bearing of plot: <u>[8]</u> °			
Data Confidentiality:			
Check one: <input type="checkbox"/> Public data <input checked="" type="checkbox"/> Private Data			
<input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m			
Reason:			
If data not public why?			
Source of coordinates <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS			
GPS location in plot x=0 to 5, y=-1,0,+1): x = <u>0</u> y = <u>0</u> (base of plot x=0, y=0)			
Coordinate system: <u>Coord. Units</u>			
<input checked="" type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input checked="" type="checkbox"/> deg <input type="checkbox"/> deg min <input type="checkbox"/> Other (specify) <input checked="" type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/> _____			
Datum: <input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27			
Latitude: <u>41.37489</u>			
Longitude: <u>81.36053</u>			
Coord. Accuracy: <u>4 m</u> <input type="checkbox"/> ft <input checked="" type="checkbox"/> 3 + -			
GPS File Name: <u>1159A</u>			
Plot size for cover data: <u>(hectares)</u>			
<input type="checkbox"/> Stems not sampled on this plot <input checked="" type="checkbox"/> Stems absent			
<input type="checkbox"/> Stems present Plot size stems: <u>(ha)</u>			
Depth: (1-5):			
Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)			
Camera No.: _____			
Photo Nos.: _____			



Plot placement: Representative GRTS Random Stratified Random

Transect component Systematic (grid) Capture specific feature Other

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

Layout: Normal 2x5

Location: Approx 370m Southwest of Tinkers Creek Gorge Scenic Overlook. **GRTS** pt

is located on an old roadbed.

Rationale: GRTS pt fell in the center of an old roadbed. Also WGS84

Open to the south and east plot runs along old roadbed w/ maples and oaks, prunus carasus

Vegchar:



CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet



Project Label: PCAP

Project Name: _____

Plot No.: _____

Page 2 of 2

CLASSIFICATION	Fit and Confidence	STAND SIZE	DISTURBANCES			
			type*	severity**	yr ago	% of plot
Hydrogeomorphic class (WETLANDS ONLY):						
□ DEPRESSION	Fit= Conf= _____	>1,000 x plot size	<input type="checkbox"/>	Human		
□ IMPOUNDMENT	Fit= Conf= _____	>100 x plot size	<input type="checkbox"/>	Natural		
□ RIVERINE	Fit= Conf= _____	10-100 x plot size	<input type="checkbox"/>	Fire		
□ SLOPE (ground water hydrology or on a physical slope)	Fit= Conf= _____	3-10 x plot size	<input type="checkbox"/>	Cut		
□ FRINGING	Fit= Conf= _____	1-3 x plot size	<input type="checkbox"/>	Animal		
□ COASTAL (specify subclass)	Fit= Conf= _____	< plot size	<input type="checkbox"/>	Other		
□ BOG (strongly, moderately, weekly ombrotrophic)	Fit= Conf= _____	Excessively drained	<input type="checkbox"/>	** L=low, ML=med low, MH=med high, H=high, VH=very high		
Current Land Use:						
Former Land Use:						
HYDROLOGIC REGIME *						
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):						
□ FOREST	Fit= Conf= _____	Moderately well dr.	<input type="checkbox"/>	Upland (seldom flooded)		
□ EMERGENT	Fit= Conf= _____	Somewhat poorly dr.	<input type="checkbox"/>	Intermittently flooded		
□ SHRUB	Fit= Conf= _____	Very poorly dr.	<input type="checkbox"/>	Semipermanently flooded		
□ Impermeable surface						
□ Permanently flooded						
□ Tidal/Seiche flooded daily						
□ Tidal/Seiche flooded monthly						
□ Tidal/Seiche flooded irregular (e.g. wind, storms)						
□ Unknown						
MODIFIED NATURESERVE CLASS*						
CODE (on separate form):						
COMMUNITY NAME: _____						
LANDFORM TYPE*:						
□ Fresh						
□ Upland (n/a)						
HOMOGENEITY						
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)						
<input type="checkbox"/> Homogeneous <input type="checkbox"/> Compositional trend across the plot <input type="checkbox"/> Conspicuous inclusions <input type="checkbox"/> Irregular/pattern mosaic						

Park at Tinkers Creek Gorge Scenic Overlook off of Gorge Parkway. Walk approx 370 m southwest of Gorge Parkway. Plot falls in an old roadbed. There is an old right of way open line to the east.

Park at Tinkers Creek
Gorge scenic overlook.
plot maybe NW.

