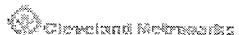


CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form



Project Label:

PCAP

Plot No: 1135

Date Sampled: 7/6-7/7/11 Lead: DS

Comment required if item answer is NO

Parking/Access outside of Park Boundaries:	Y <input checked="" type="radio"/>	N <input type="radio"/>	If yes, write details in Comments section below
Field journals completed	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Site sketch made on 1:3000 map?	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Check cover page	X-axis Bearing of plot recorded		
	Y <input checked="" type="radio"/>	N <input type="radio"/>	
	GPS coords. Recorded	Y <input checked="" type="radio"/>	N <input type="radio"/>
	North direction recorded	Y <input checked="" type="radio"/>	N <input type="radio"/>
	Photographs taken?	Y <input checked="" type="radio"/>	N <input type="radio"/>
Plot No., Date agreement on all pages?	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Header data completed all pages?	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Cover classes recorded in all Intensive modules	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Browse Level By Species	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Woody stem quality control check	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Invasive plant quality control check	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Ash trees mapped	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Cover by Strata? (confirm cover type)	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Soil samples collected with matching plot #	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Vouchers labeled on datasheet with initials and number	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Vouchers labeled on collection bag	Y <input checked="" type="radio"/>	N <input type="radio"/>	
Pink flags removed	Y <input checked="" type="radio"/>	N <input type="radio"/>	
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?	7/15/11		Enter date to left
Final data sheets scanned?	8-23-11		Enter date to left 11-1-2011
Buffer Widths measured?	Y <input checked="" type="radio"/>	N <input type="radio"/>	see other folder 1135
Web Soil Survey	Y <input checked="" type="radio"/>	N <input type="radio"/>	see other folder 1135
Voucher Location	Refrigerator	Y <input checked="" type="radio"/>	N <input type="radio"/>
(# vouchers collected)	Press (#)	Enter number to left	
	Drier	Y <input type="radio"/>	N <input type="radio"/>
	Identified	Y <input type="radio"/>	N <input type="radio"/>
	Mounted	Y <input type="radio"/>	N <input type="radio"/>
	Thrown away	Y <input type="radio"/>	N <input type="radio"/>

GRTS point verification: Is plot sampleable?

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

Additional Comments:



CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2

GENERAL INFORMATION			
Project Label:	PCAP		
Project Name:	<u>01/05/2011</u>		
Plot Name:	<u>CAMPFIRE PLOT</u>		
Plot No.:	<u>1135</u>		
<input type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled)			
Date (mm/dd/yyyy): <u>07/07/2011</u>			
End date (if > 1 day): <u>07/07/2011</u>			
Party	Role**		
<u>J. CANTERMAN</u>	Plot leader		
<u>A. MACK</u>	<u>ASS'T</u>		
<u>M. BRETT</u>	<u>SOILS STEMS, BEEVERS</u>		
<small>** Roles: Co-leader, Ass't, Guide, Owner, Taxonomist, etc.</small>			
PLOT NOT SAMPLED:			
<input type="checkbox"/> Other <input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety			
SAMPLING QUALITY*			
Effort Level: <input checked="" type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurned <small>subjective evaluation of how much effort put into sampling. Hurned plots may still provide good data</small>			
TAXONOMIC ACCURACY			
<input type="checkbox"/> high	<input type="checkbox"/> modera	<input type="checkbox"/> low	<input type="checkbox"/> not suppl
<input checked="" type="checkbox"/> vascul.			<input type="checkbox"/> na
<input type="checkbox"/> bryo		<input checked="" type="checkbox"/>	
<input type="checkbox"/> lichen		<input checked="" type="checkbox"/>	
TAXONOMIC STANDARD			
Authority:	G&C		
Pub Date:	1998		

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

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

OVER

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Plot No.: 1/35 Page 2 of 2

CLASSIFICATION

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

Hydrogeomorphic class (WETLANDS ONLY):

DEPRESSION

Fit= Conf=

IMPOUNDMENT Beaver Human

Fit= Conf=

RIVERINE Headwater Marsh Channel

Fit= Conf=

SLOPE (ground water hydrology or on a physical slope)

Fit= Conf=

FRINGING Reservoir Natural Lake

Fit= Conf=

COASTAL (specify subclass)

Fit= Conf=

BOG (strongly, moderately, weekly, ombrotrophic)

Fit= Conf=

Ohio EPA VIB Plant Community Class (WETLANDS ONLY):

FOREST swamp forest bog forest forest seep

Fit= Conf=

EMERGENT marsh wet meadow open bog

Fit= Conf=

SHRUB shrub swamp tall sh. bog tall sh. fen

Fit= Conf=

MODIFIED NATURESERVE CLASS*

CODE (on separate form): W 0/2

Fit= Conf=

Fresh

Brackish

Upland (n/a)

(by default unless plot is a wetland)

Temporarily flooded

Permanently/Semipermanent, saturated

(dry <1/yr, seidom flooded)

Intermittently flooded (seldom flooded)

Seasonally saturated (seldom flooded)

Semipermanently flooded

Permanently flooded

Tidal/Seiche flooded daily

Tidal/Seiche flooded monthly

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

Unknown

HOMOGENEITY

Homogeneous

Compositional trend across the plot

Conspicuous inclusions

Irregular/pattern mosaic

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

STAND SIZE	DISTURBANCES				
	type*	severity**	yrs ago	% of plot	description
>1,000 x plot size	<input type="checkbox"/>	<u>L</u>	<u>?</u>	<u>100</u>	<u>trash</u>
>100 x plot size	<input type="checkbox"/>				
10-100 x plot size	<input type="checkbox"/>				
3-10 x plot size	<input type="checkbox"/>				
1-3 x plot size	<input type="checkbox"/>				
< plot size	<input type="checkbox"/>				
					**L=low, ML=med low, M=med, MH=med high, H=high, VH=very high

Current Land Use: PAKLAND

Former Land Use: UNSETTLED (FARMED)

HYDROLOGIC REGIME*

SALINITY*	HYDROLOGIC REGIME*			
	<input type="checkbox"/> Upland (seldom flooded)	<input type="checkbox"/> Intermittently flooded	<input type="checkbox"/> Semipermanently flooded	<input type="checkbox"/> Permanently flooded
<input type="checkbox"/> Saltwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Brackish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Fresh	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Upland (n/a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(by default unless plot is a wetland)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMUNITY NAME: Apical Successional
Upland Forest
Other Upland Forest

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Project Label:

PCAP

Project name: 01052011

Plot no.: 1135

Page 1 of 4

Total modules: 10

Intensive modules: 4

Plot configuration: 2x5

Plot area (ha): 0.1

Visual est. % open water entire site:

0

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

30%

Visual est. %invasives entire site:

0%


**Cleveland
Metroparks**
 Strata - Cov. entire plot

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

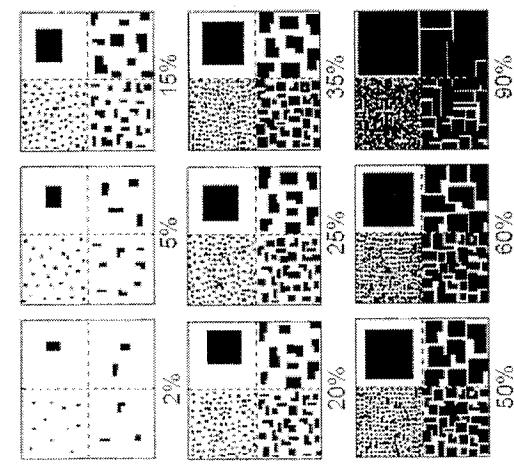
T	S	H (F)	Br	Species	C	Voucher #	Estimate for each intensive module:												
							mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	
7	1	8	5	<i>Liquidambar tulipifera</i>		4	7	2	2	4	3	2	8	4	8	2	9	4	
7	3	2	3	<i>Pinus strobus</i>		3	6	5	4	4	4	4	2	4	4	4	0	0	
7	2			<i>Abies rubra</i>		3	6	3	2	4	8	4	4	7	3	3	6	4	
4	3	8	8	<i>Corus florida</i>		4	3	2	2	1	2	1	2	1	2	3	2	4	
2	2	6	4	<i>Parthenocissus quinquefolia</i>		4	4	3	2	2	4	3	2	3	4	3	4	4	
4				<i>Amelanchier alnifolia</i>		4	5												
6	3	3	3	<i>Lindera benzoin</i>		3	6	3	2	2	5	3	2	5	4	2	5	4	
4				<i>Fraxinus nigra</i>		3	6	4	4	3	4	2	3	4	4	4	4	4	
2				<i>Moss sp.</i>		3	2		2	2			2	1	3	2	4		
				<i>Dianthus spicata</i>		3	2								2	2			
2				<i>Scrophularia lateriflora</i>		3	2												
19		17	19	<i>Circaeum tetragonum</i>		3	2	2	2	1	1	3	2	2		2	2		
3				<i>Carex siccata</i>		3	2	2	2	1	1	2	1	2	3	3			
4				<i>Galium triflorum</i>		3	1												
2				<i>Fragaria ananassa</i>		3	2	2	2	2	2	2	3	2	2	2	2	2	
4	2	19	20	<i>Corus alternifolia</i>		2	2	2	2	1	1	1	1	1	1	1	1	1	1
3	3	2	3	<i>Ostrya virginiana</i>		2	2												
2				<i>Quercus Seedling</i>		2	1		2	1	1	1	1	2	1	3			
2		17	17	<i>Ranunculus hispida</i>		2	1		2	1	1	1	1	1	1	1	1	1	
2		9	9	<i>Vaccinium dentatum</i>		2	1		2	1	2	1	2	1	2	1	2	2	
2				<i>Thlaspi arvense</i>		2													
2				<i>Mitchella repens</i>		2													
2				<i>Rubus allegheniensis</i>		2													
2				<i>Carex complanata</i>		2													
2				<i>Veronica officinalis</i>		2													

DSS
7-15-11

T	S	H (F)	Br	Species	C	Voucher #	mod	corner											
7	1	8	5	<i>Liquidambar tulipifera</i>		4	7	2	2	4	3	2	8	4	8	2	9	4	
7	3	2	3	<i>Pinus strobus</i>		3	6	5	4	4	4	2	4	4	4	4	0	0	
7	2			<i>Abies rubra</i>		3	6	3	2	4	8	4	4	7	3	3	6	4	
4	3	8	8	<i>Corus florida</i>		4	3	2	2	1	2	1	2	1	3	2	4	4	
2	2	6	4	<i>Parthenocissus quinquefolia</i>		4	4	3	2	2	4	3	2	3	4	3	4	4	
4				<i>Amelanchier alnifolia</i>		4	5												
6	3	3	3	<i>Lindera benzoin</i>		3	6	3	2	2	5	3	2	5	4	2	5	4	
4				<i>Fraxinus nigra</i>		3	6	4	4	3	4	2	3	4	4	4	4	4	
2				<i>Moss sp.</i>		3	2		2	2			2	1	3	2	4		
				<i>Dianthus spicata</i>		3	2							2	2				
2				<i>Scrophularia lateriflora</i>		3	2												
19		17	19	<i>Circaeum tetragonum</i>		3	2	2	2	1	1	3	2	2		2	2		
3		3	3	<i>Carex siccata</i>		3	1												
4				<i>Galium triflorum</i>		3	2												
2				<i>Fragaria ananassa</i>		3	2	2	2	2	2	2	3	2	2	2	2	2	
4	2	19	20	<i>Corus alternifolia</i>		2	2	2	2	1	1	1	1	1	1	1	1	1	
3	3	2	3	<i>Ostrya virginiana</i>		2	2												
2				<i>Quercus Seedling</i>		2	1		2	1	1	1	1	2	1	3			
2		17	17	<i>Ranunculus hispida</i>		2	1		2	1	1	1	1	1	1	1	1	1	
2		9	9	<i>Vaccinium dentatum</i>		2	1		2	1	2	1	2	1	2	1	2	2	
2				<i>Thlaspi arvense</i>		2													
2				<i>Mitchella repens</i>		2													
2				<i>Rubus allegheniensis</i>		2													
2				<i>Carex complanata</i>		2													
2				<i>Veronica officinalis</i>		2													

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to convey "Amount of Quality". **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.

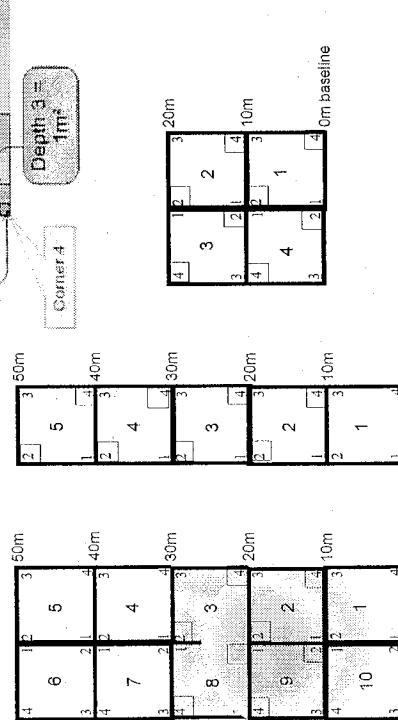
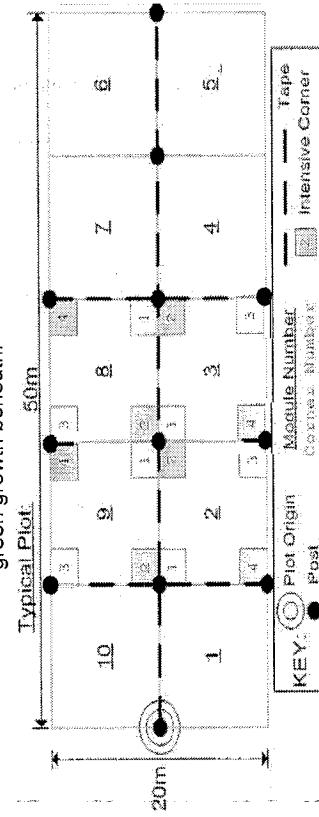
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

Page 2 of 4

Project Label: PCAP

Project name: 01MS2011

Plot no.: 1135

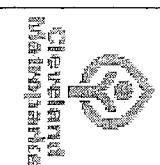
Plot configuration: Intensive modules:

Visual est. % open water entire site:

Visual est. %unveg. ground (bare soil) entire site:

Visual est. %unveg. over. ground entire site:

Plot area (ha):



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

%unveg. ground (bare soil)

%unveg. litter (bare litter)

mod

corner

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

7-15-11

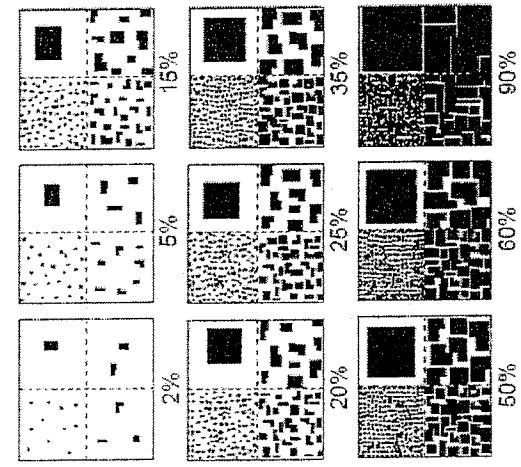
7-15-11

7-15-11

7

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for values 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.

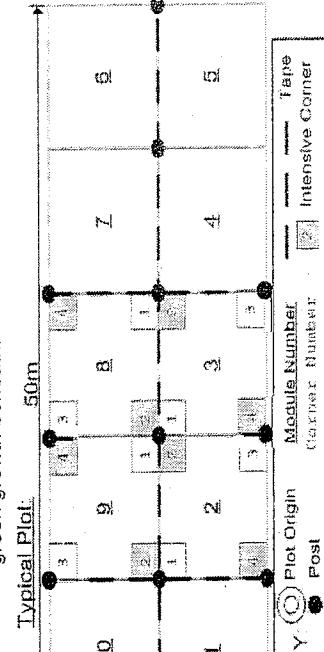
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

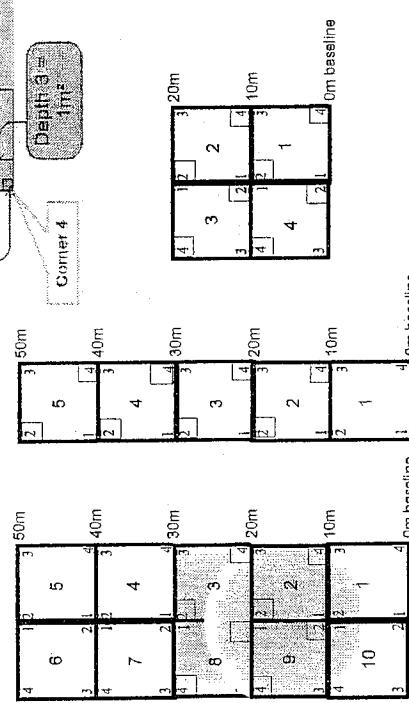


KEY:

(○) Plot Origin
Post

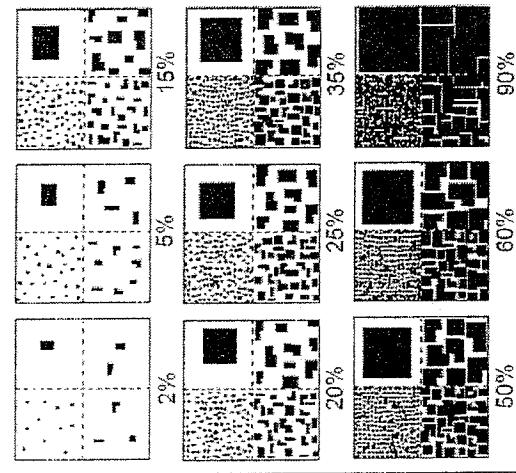
Module Number
Quadrat Number

Face
Intensive Corner



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.

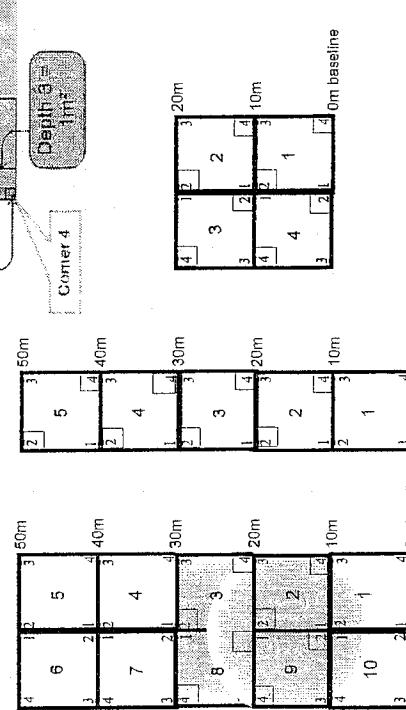
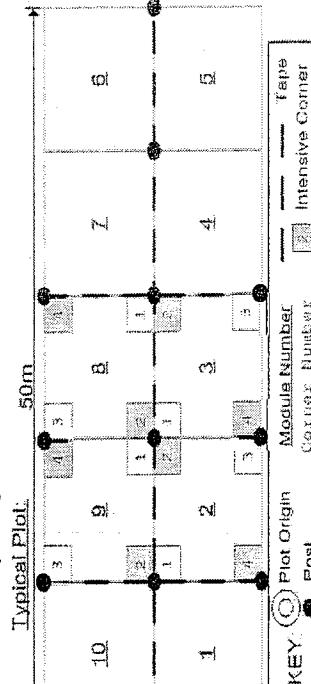
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

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

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



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Project Label: PCAI

Project name: olms 2011

Plot no. 1135

111

Visual est. % open v

water entire site:

Visita est %|in|ven o w entire site.

Visita est 9 invasione antica.

111

卷之三

describe amount of browse per species over entire plot

%unvegetated open water

Strata - Cov. entire plot

111

%unveg. ground (bare soil)

T S H (F) (A) B

Species

111

Carex hirtifolia

110

R 1

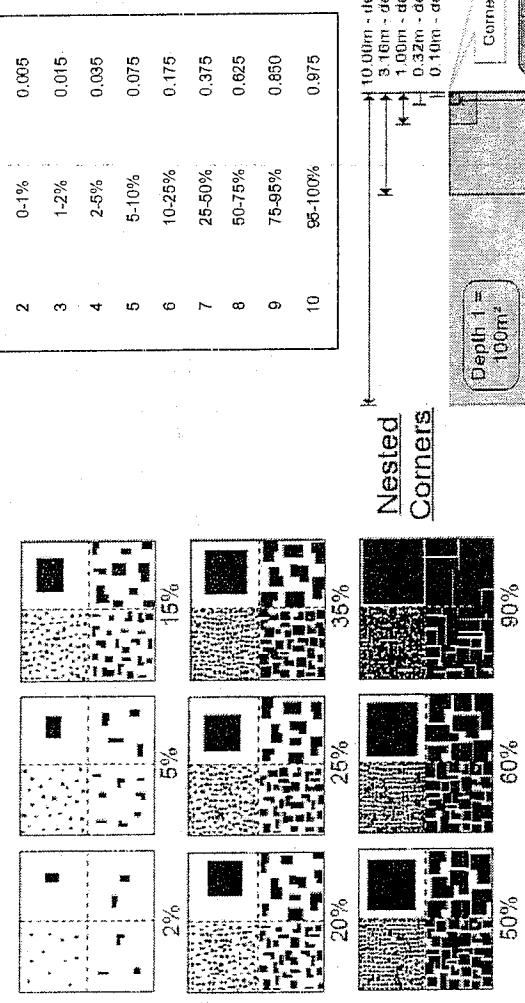
<i>Perennials</i>	
<i>Sisyrinchium angustifolium</i>	
<i>Caffium mollugo</i>	
<i>Thlaspi arvense</i>	
<i>Ranunculus esculentus</i>	25132

102

7/8/14
DS
DOUBLE
ENTRY

EXAMPLES OF PERCENT OF AREA COVERED

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



BROWSE RATING NARRATIVE DESCRIPTION

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

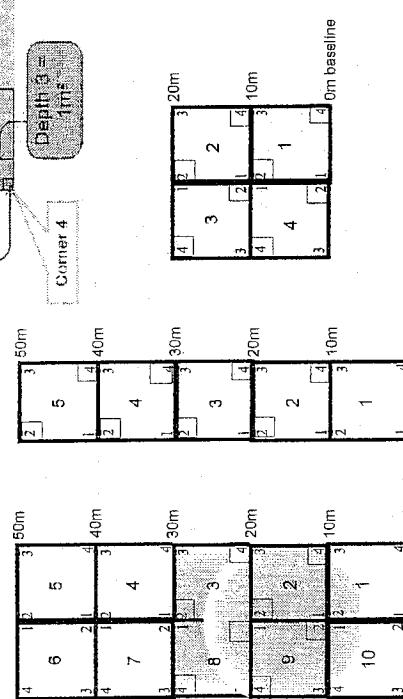
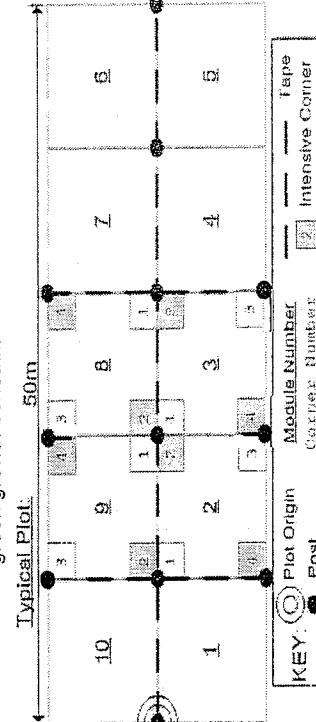
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

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

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

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



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

© Cleveland Metroparks

Project Label: PCAP

Project Name: DJM52011

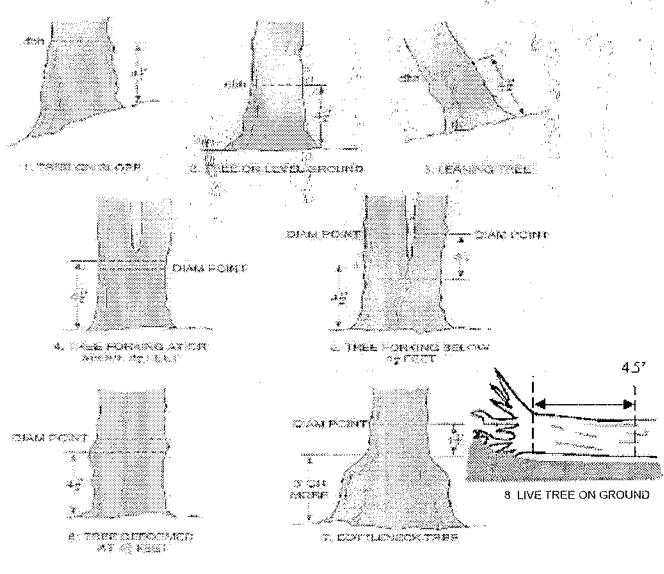
Plot No.: 135

Page: 1 of 3

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									11 >40 (record each tree)
						0-<1	1-<2.5	2.5-<5	5-<10	10-<15	15-<20	20-<25	25-<30	30-<35	
-1	<i>Lindera benzoin</i>		3	9	1	0	0	0	0	0	0	0	0	0	
-1	<i>Fraxinus</i> sp. DSS 7-5-11		3	9	1	0	0	0	0	0	0	0	0	0	
-1	<i>Pinus strobus</i>														52.0, 49.1
-1	<i>Lindera benzoin</i> + <i>Ulmus americana</i>														
-1	<i>Mitchella repens</i>														
-1	<i>Parthenocissus quinquefolia</i>														
-1	<i>Rubus allegheniensis</i>	DSS 7-5-11													
-1	<i>Prunus serotina</i>														
-1	<i>Crataegus flabellata</i>														
-2	<i>Liquidambar styraciflua</i>														
-2	<i>Fraxinus</i> sp. DSS 7-5-11														
-2	<i>Lindera benzoin</i>														
-2	<i>Parthenocissus quinquefolia</i>														
-2	<i>Pinus strobus</i>														
-2	<i>Acer rubrum</i>														
-3	<i>Lindera benzoin</i>														
-3	<i>Hedera helix</i> tulipifera														
-3	<i>Pinus strobus</i>														
-3	<i>Acer rubrum</i>														
-4	<i>Lindera benzoin</i> tulipifera														57.1
-4	<i>Acer rubrum</i>														
-4	<i>Pinus strobus</i>	DSS 7-5-11													
-4	<i>Crataegus</i> sp. 7-5-11														
-4	<i>Acer saccharinum</i>														

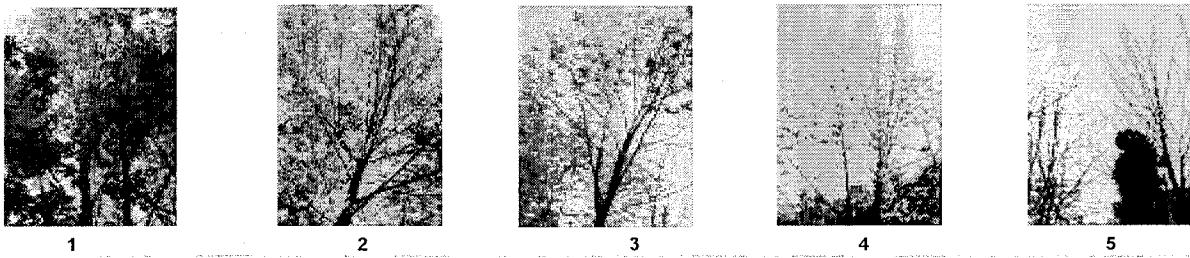
DBH Measurement Rules



Woody Stem Deer Browse

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

Record using the tally system from 1 to 10



ASH CANOPY CONDITION

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



A



B



C



D



E

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

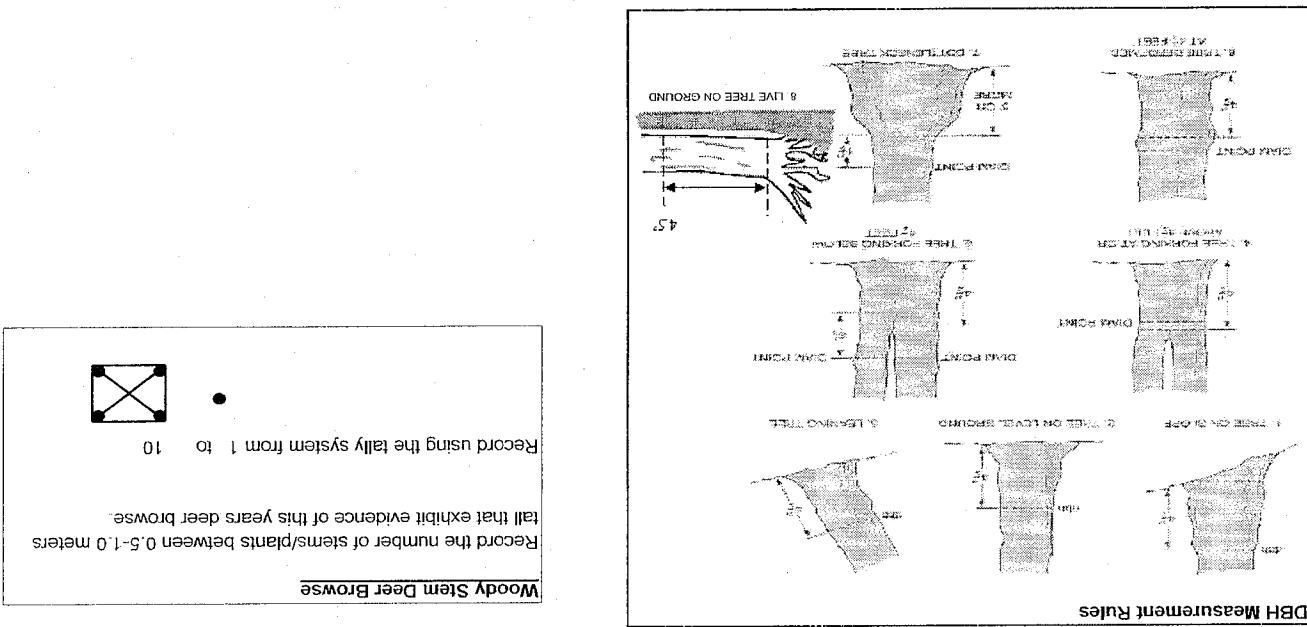
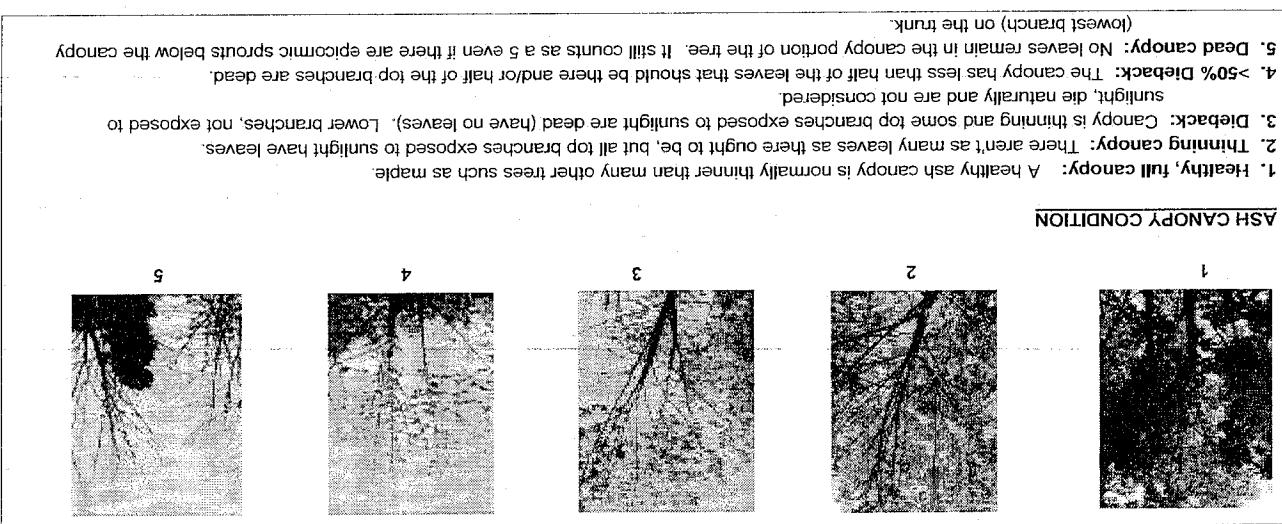
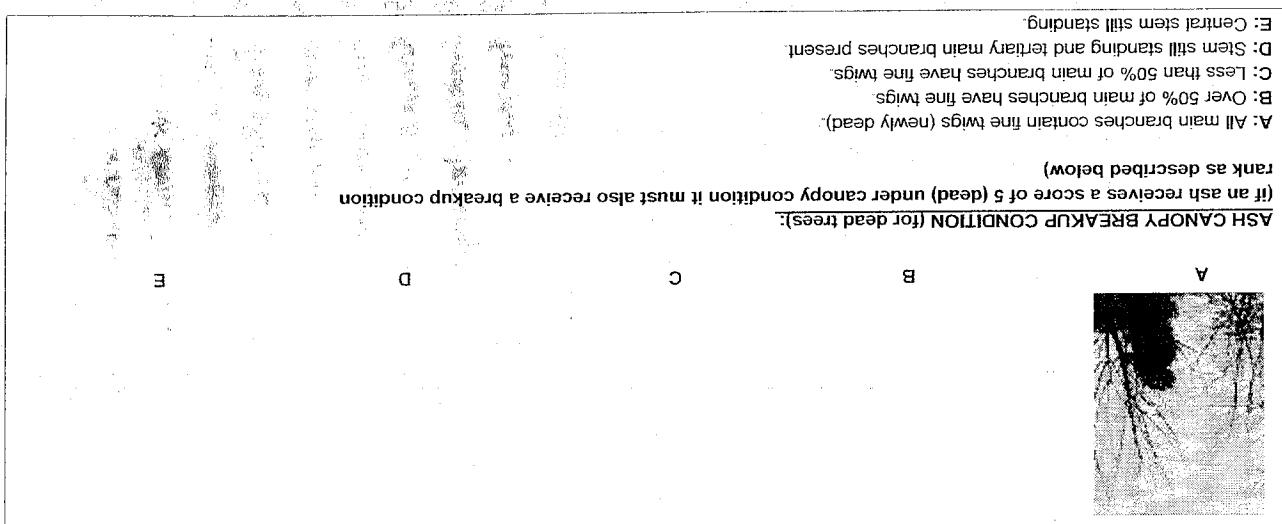
Project Name: 01/16/2011

Plot No.: 135

Page: 2 of 3

Explain subsample (additional room on back):

mod #	species	c	voucher#	# stems 0.5-1m browsed	% sub shrub sample	# clumps	size class (cm) woody stems >1m										>40 (record each tree)
							1	2	3	4	5	6	7	8	9	10	
4	Toxicodendron radicans					9											
2	Fraxinus americana					9											
1	Lindera benzoin					9											
3	Prinos strobus																
1	Acer rubrum																
3	Craibaeus sp.																
1	Lindera benzoin																
6	Fraxinus sp. D25-11					1											
6	Pinus strobus					1											
6	Fraxinus Quin					1											
6	Acer rubrum					1											
6	Lindera benzoin					1											
7	Pinus strobus					1											
7	Acer rubrum					1											
7	Lindera benzoin					1											
7	Styrax oblongifolia					1											
7	Fagus grandifolia					1											
8	Acer rubrum					1											
8	Fraxinus americana					1											40.7
8	Lindera benzoin					1											
8	Pinus strobus					1											50.1
8	Craibaeus sp.					1											



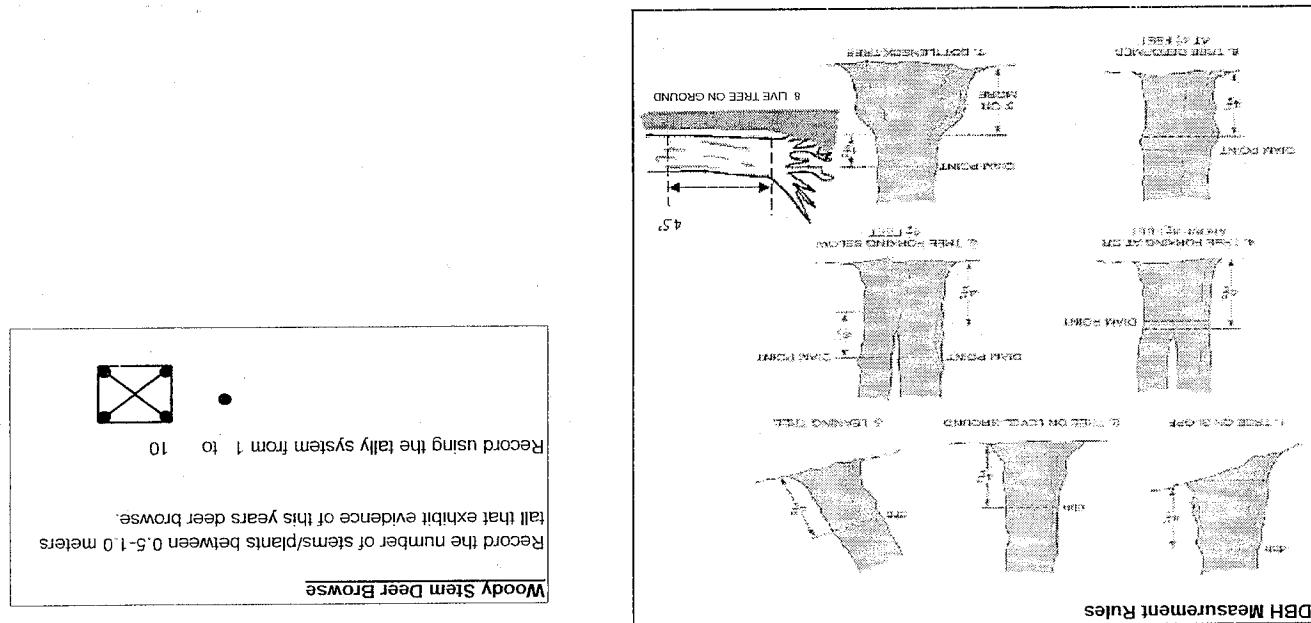
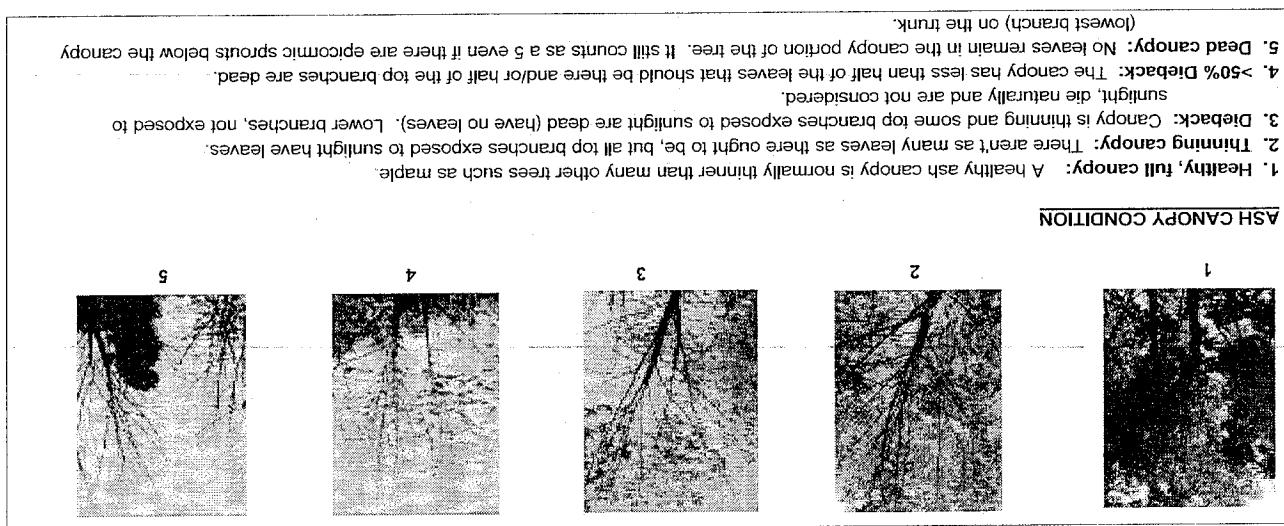
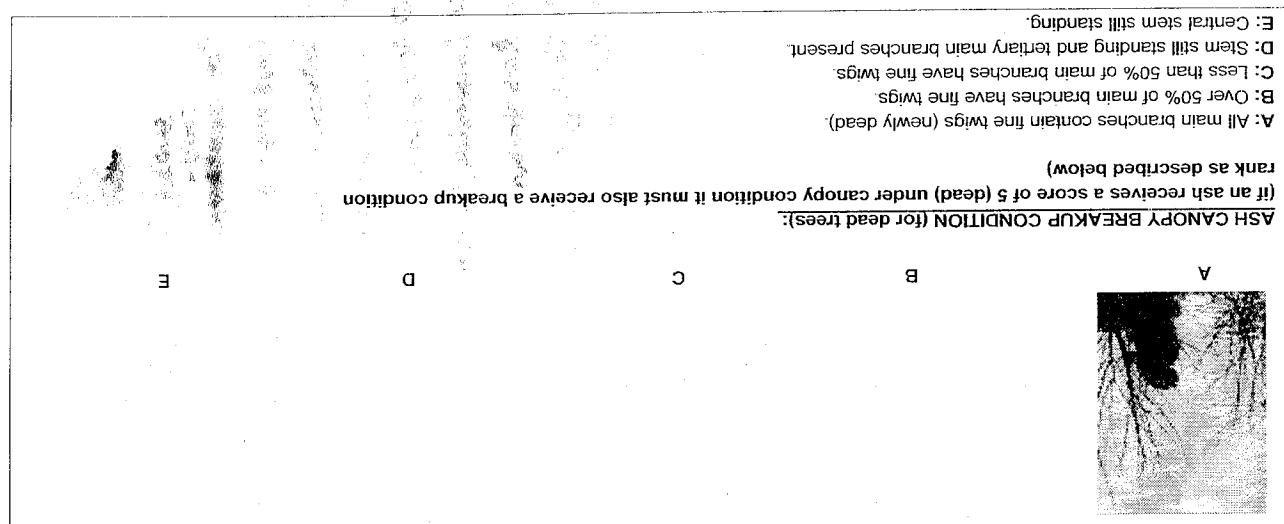
CLEVELAND METROPARKS *Plant Community Assessment Program Natural Woody Stem Data Sheet*

Project Label: PCAP

Project Name: Oil Ms 201

Page: 3

Explain subsample (additional room on back):



CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



Tier 1: Early detection/ Rapid response

Presence

GPS

<i>Microstegium vimineum</i>	Japanese stiltgrass	NE	SE	SW	NW
<i>Ranunculus ficaria</i>	Lesser Celandine				
<i>Cynanchum louiseae</i> (vine)	Black Swallow-wort				
<i>Butomus umbellatus</i> (wetland)	Flowering Rush				
<i>Heracleum mantegazzianum</i>	Giant Hogweed				

Presence

X: yes

Tier 2: Assess as Needed

of Plants

comments

<i>Acer platanoides</i>	Norway Maple	NE	SE	SW	NW
<i>Ailanthus altissima</i>	Tree of Heaven				
<i>Lonicera japonica</i> (vine)	Japanese Honeysuckle			1	(S)
<i>Lythrum salicaria</i> (wetland)	Purple Loosestrife				
<i>Aegopodium podagraria</i> (G-cover)	Bishop's Goutweed				
<i>Celastrus orbiculatus</i> (vine)	Asian Bittersweet				
<i>Torilis</i> sp.	Hedgeparsley				
<i>Conium maculatum</i>	Poison Hemlock				
<i>Rhamnus cathartica</i>	Common Buckthorn (shrub)				
<i>Berberis thunbergii</i>	Japanese Barberry (shrub)	1	1	1	
<i>Alnus glutinosa</i>	European Alder				
<i>Dipsacus laciniatus</i>	Cut-leaf Teasel				
<i>Elaeagnus umbellata</i>	Autumn Olive (shrub)				
<i>Lonicera maackii</i>	Amur Honeysuckle (shrub)				
<i>Euonymus fortunei</i>	Wintercreeper				

of Plants

1:	1-10
2:	11-50.
3:	51-100
4:	101-1,000
5:	>1,000

Tier 3: Presence is of Interest

of Plants

comments

<i>Convallaria majalis</i> (G-cover)	Lily of the Valley	NE	SE	SW	NW
<i>Coronilla varia</i> (G-cover)	Crown Vetch				
<i>Eleutherococcus pentaphyllus</i>	Five-leaf Aralia (shrub)				
<i>Pachysandra terminalis</i> (G-cover)	Japanese Pachysandra				
<i>Philadelphus coronarius</i>	Mock Orange (shrub)				
<i>Pulmonaria officinalis</i> (G-cover)	Lungwort				
<i>Rubus phoenicolasius</i>	Wineberry				
<i>Iris pseudacorus</i> (wetland)	Yellow Flag Iris				
<i>Ornithogalum umbellatum</i>	Star of Bethlehem				
<i>Viburnum opulus</i> var. <i>opulus</i>	European Cranberry (shrub)				
<i>Viburnum plicatum</i>	Doublefile Viburnum (shrub)				

of Plants

1:	1-10
2:	11-50.
3:	51-100
4:	101-1,000
5:	>1,000

Tier 4: Widespread and abundant

Presence

comments

<i>Alliaria petiolata</i>	Garlic Mustard	X			
<i>Ligustrum vulgare</i>	Common Privet (shrub)	X	X	X	
<i>L. morrowii</i> , <i>L. tatarica</i>	Bush Honeysuckles (shrub)				X
<i>Phalaris arundinacea</i>	Reed Canarygrass				
<i>Phragmites australis</i> (wetland)	Phragmites				
<i>Polygonum cuspidatum</i>	Japanese Knotweed				
<i>Frangula alnus</i>	Glossy Buckthorn (shrub)	X			
<i>Rosa multiflora</i>	Multiflora Rose (shrub)	X	X	X	X
<i>Typha angustifolia</i> , <i>T. x glauca</i>	Cattails (wetland)				
<i>Cirsium arvense</i>	Canada thistle				
<i>Dipsacus fullonum</i>	Common Teasel				
<i>Hesperis matronalis</i>	Dame's Rocket				
<i>Vinca minor</i> (G-cover)	Periwinkle				

Presence

X: yes

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

CLEVELAND METROPARKS Emerald Ash Borer - *Fraxinus* SheetProject Label: POAPProject Name: Cliffs 201INTENSIVE MODULES ONLY TREES $\geq 10\text{cm}$ ONLYMap all ash trees $\geq 10\text{cm}$ in each module using Tree ID number

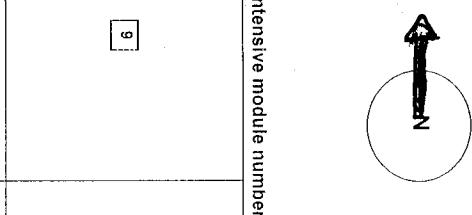
Page: 1 of 2

Plot No.: 132 Date: 7/14/11

Module	Tree ID.	Species	Dead c	Voucher #	DBH (cm)	Ht @ DBH condition	Ash condition	Dead holes	# Exit holes present	Epicormic holes	Woodpecker holes	ASH Only	
												Dead	No
8	1	<i>Fraxinus americana</i>			40.7	4	4	∅	No	No	No	∅	No
	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

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 $1.25\text{m}^2 \times 1.5\text{m}$
- Woodpecker and epicormic marked present (1) or absent (0)

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

Project label: PCAP

Project Name: Jim's Soil

Plot No.: 135

Page: 1 of 1

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

Soil pit module # 3 (one per entire plot)

5 cm	matrix color <u>10YR 4/2</u>
mottle color	<u>None</u>
%mottle	<u>/</u>
oxid roots	<u>Y</u>
texture*	<u>1</u>
redox features**	<u>Y</u>
hydr cond.***	<u>I S M D</u>
20 cm	matrix color <u>10YR 4/3</u>
mottle color	<u>None</u>
%mottle	<u>/</u>
oxid roots	<u>Y</u>
texture*	<u>1</u>
redox features**	<u>Y</u>
hydro. cond.***	<u>I S M D</u>
	* refer to texture classes on reverse side
	** e.g. hydrogen sulfide odor, gleying, etc.
	*** Circle one.
	I=indundated S=saturated M=moist D=dry
	Notes: include evidence of earthworms (worms, castings, middens)
	Worms present in soil pit.

SOIL SAMPLES Standard procedure: collect a soil sample of the top 0-10 cm of soil from center of each intensive module and composite the sample

Soil Collection Module

Soil Collection Module	Horizon (A, B, C)
2,3,8,9 composted	A

Soil Description/notes:

STANDING BIOMASS (required for emergent wetlands): collected in 0.1m clip plots (3x3.2 cm) from corners 1 and 3 in each intensive module. Required for VIBI-E score calculation. C? = check when collected

Module #	C?	Corner	Corner

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

mod#	1 litter + organic depth (cm)	2 litter depth (cm)	3 restrict. depth (cm)	water depth (cm)	sat soil depth (cm)
2	0.9	0.4	2.4	0	>30
3	0.2	0.2	5.1	0	>30
8	0.1	0.4	3.6	0	>30
9	0.8	0.8	2.4	0	>30

Length of soil probe = 125 cm

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

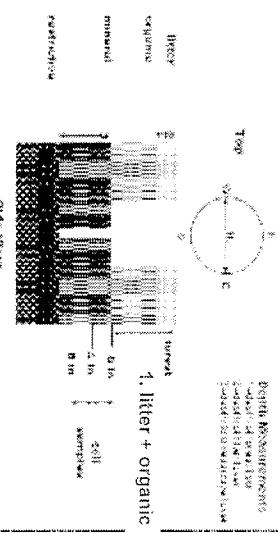
***** Use Web Soil Survey for #3 Restrictive layer dept.

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

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

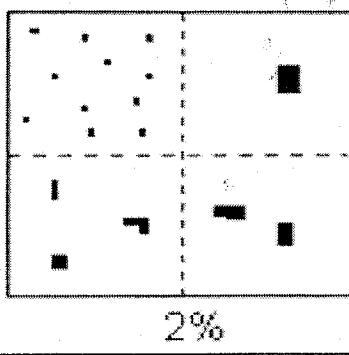
***** Use Web Soil Survey for #3 Restrictive layer dept.

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



PERCENT MOTTLES (USE CLASS CODES):

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



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

0= Organic

1= Loamy

2= Clayey

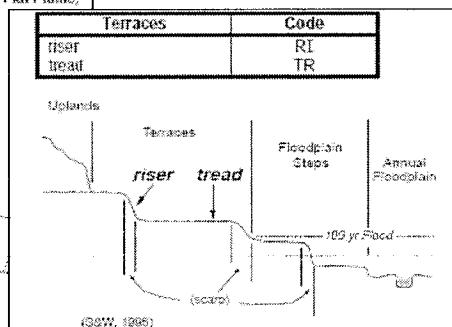
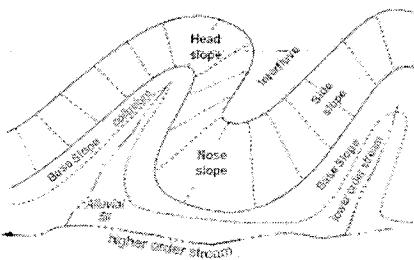
3= Sandy

4= Coarse Sand

9= Not measured - make plot note

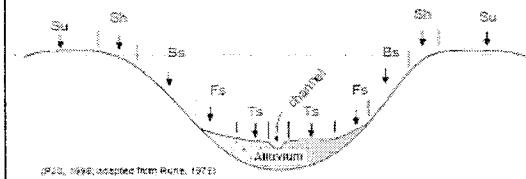
Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains; e.g., (for Hills) nose slope or NS.

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



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

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



HYDROLOGIC REGIME

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

UPLAND: Not a wetland. Very rarely flooded.

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

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

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

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

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

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

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

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

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

Project Label: PCAP

Project Name: OH Metroparks

Plot No.: 1135

Page: 1 of 1

COVER BY STRATA (% estimate using

midpoints of ex. 3 & 3.18%)

Strata

Height Range

Total Cover (%)

Underlying Earth Surface

Ground Cover

(Sum = 100%)

percent

(Each $\leq 100\%$)

percent

(Course Woody Debris***)

percent

(Hiking sanctioned)

(Boulders unsanctioned)

(Gravel)

(Bryophytes/Lichen)

(Water)

(Bare Soil)

(Road/Trail)

(Other)

(Rock and Flotsam or slightly emersed)

(Submersed, most plant mass below surface)

(SEE BACK OF PAGE FOR "TYPICAL" STRATA DESCRIPTIONS, STRATA CAN VARY BY COVER TYPE)

COVER BY STRATA (% estimate using	
midpoints of ex. 3 & 3.18%)	
Strata	Height Range
1	0-3
2	3-5
3	5-7
4	7-10
5	10-13
6	13-16
7	16-20
8	20-25
9	25-30
10	30-35
11	35-40
12	40-45
13	45-50
14	50-55
15	55-60
16	60-65
17	65-70
18	70-75
19	75-80
20	80-85
21	85-90
22	90-95
23	95-100

EARTH SURFACE & GROUND COVER	
Underlying Earth Surface	Ground Cover
(Sum = 100%)	percent
(Each $\leq 100\%$)	percent
Histsol	<input checked="" type="checkbox"/>
Microl. Soil	<input checked="" type="checkbox"/>
Gravel/Cobble*	<input checked="" type="checkbox"/>
Litter	<input checked="" type="checkbox"/>
Duff (Fern + Humus)	<input checked="" type="checkbox"/>
Bedrock	<input checked="" type="checkbox"/>
Bryophytes/Lichen	<input checked="" type="checkbox"/>
Water	<input checked="" type="checkbox"/>
Bare Soil	<input checked="" type="checkbox"/>
Road/Trail	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/>

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

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Ranks 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 (1-3).
Slope 1 = slight elevational grade across module (hill)
Slope 2 = falls on slope $> 20^\circ$
Slope 3 = maximum steepness that can be safely sampled $\sim 45^\circ$

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

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

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

3 feature is present in greater amounts and of highest quality

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

no. of tufts	no. of hummocks	no. macro depressions	c.w.d.	c.w.d.	c.w.d.	c.w.d.	microhab.	microhab.
depth 3	depth 2	(2-12 cm)	(2-12 cm)	(2-12 cm)	(2-12 cm)	(2-12 cm)	interspersed	interspersed
1x1m	3-10x1.6m	depth 1	depth 1	depth 1	depth 1	depth 1	SLOPE	SLOPE
(count)	(count)	(count)	(count)	(count)	(count)	(count)	(rank)	(rank)
2	0	0	20	0	0	1	1	1
3	0	0	2	21	0	2	1	1
8	0	1	16	0	0	1	1	1
9	0	1	14	0	0	1	1	1

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

micro depressions = microtopographic depressions with module. These may extend into other modules and be counted again.
c.w.d. = coarse woody debris
microhab. Interspers. = overall ranking of plot microtopographic interspersion complexity using scale below

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

CROWN COVER DENSIMETER: Make

4 readings per module facing N, S, E, W. Place

(4 dots per grid square)

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

MCNAB INDICES (degrees) + follow-up - for down

(FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD)

LFI* TSI**

LFI is angle of	plot to tie
TSI is angle formed by local slopes	horizon. TSI is
+135 degrees	angles formed
+15 degrees	or TSI
+180 degrees	measure angle
+225 degrees	from records
+270 degrees	eye to eye of
+315 degrees	person standing
NW	10 m away

LANDFORM INDEX (position within landscape)	
**	

COVER BY STRATA

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

*Very tall shrubs are sometimes included in the tree stratum

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

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

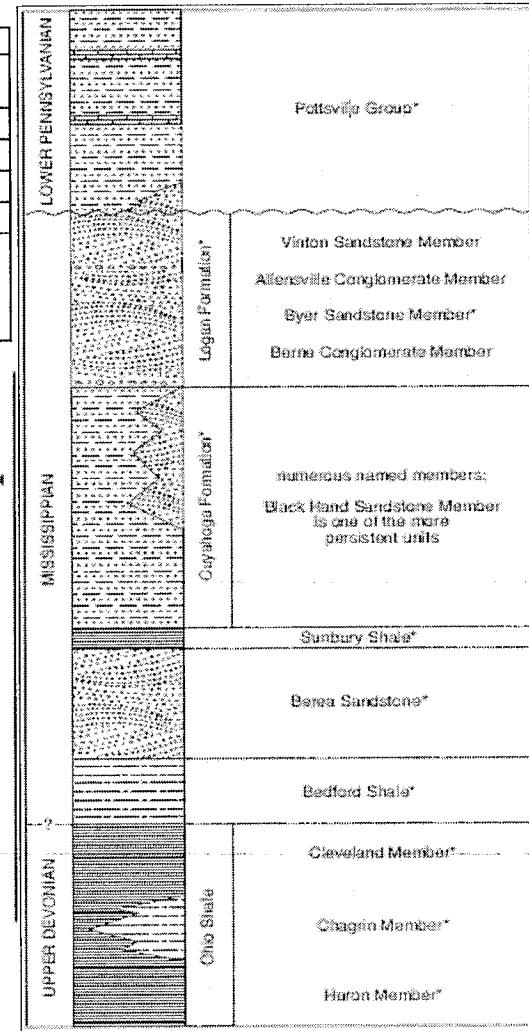
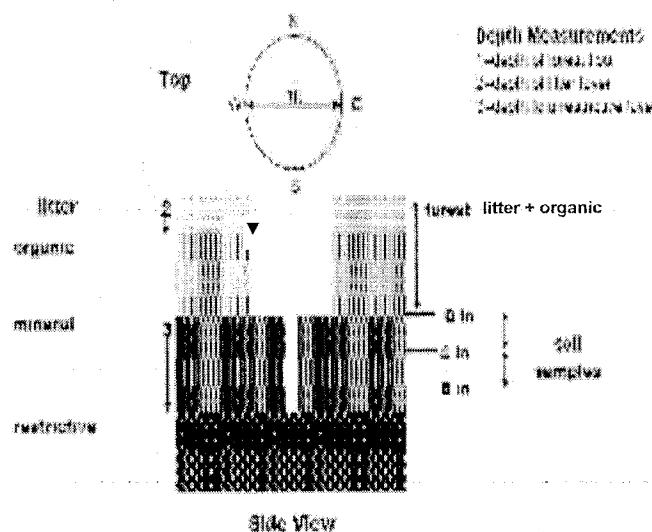


FIGURE 3-20.—Generalized section of Upper Devonian, Mississippian, and Lower Pennsylvanian formations in northwestern Ohio. Asterisks indicate units that are fossiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waverly" is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European term "Carboniferous," which encompasses the Mississippian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fairly widespread but discontinuous. See Hyde (1955), Hoover (1969), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-16 for explanations of rock types.

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1135 MS

DATE: 07/07/2011

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

Buffer Natural Cover Strata

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

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

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

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

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

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

2428168304

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

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

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

Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag

Giant Salviniia	○ ○ ○	Perennial Peppermint	○ ○ ○	Common Buckthorn	○ ○ ○
○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○
○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○
○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○
○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○	○ ○ ○

Garlic Mustard	O O O	Giant Reed	O O O	Himalayan Blackberry	O O O
----------------	-------	------------	-------	----------------------	-------

Poisson Hemlock Chetograsp Tamarsk

Millie-A-Minute Weed Reed Canary Grass Other:

Distal tip	Common head	Chisel	Other	Leafy Sprig	Other	Canada Thistle
0	0	0	0	0	0	0

Other

PLT COORDINATES

Provide GPS coordinates at the center of the Buffer Pilot (#3) at the far end of each Buffer Transect and for the Buffer Pilot at the AA CENTER. Indicate the

location of the pilot coordinates by fitting in the appropriate bubble.

either placed as close to the center of Pilot 3 as possible or at the center of the last accessible Buffer Pilot.

Location of coordinates (choose one):

④ AA CENTRE Q N3 Q S3 Q E3 Q W3 Q Nearest practicable location (flag and comment below)

Latitude North 41.3678 Longitude West 81.9395

Use Decimal Degrees; NAD83

Digitized by srujanika@gmail.com

Fraga, C. (2013). *Consumers*. Cambridge, MA: MIT Press.

Digitized by srujanika@gmail.com

10. *What is the primary purpose of the following statement?*

11. *What is the primary purpose of the following statement?*

Digitized by srujanika@gmail.com

1. *What is the primary purpose of the study?*

100

Digitized by srujanika@gmail.com

Digitized by srujanika@gmail.com

11. *What is the primary purpose of the following statement?*

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1135 ms

DATE: 07 / 07 / 2011

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

Buffer Natural Cover Strata

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

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

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

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

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

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

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

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

2428168304

PLOT COORDINATES									
Flag									
<input type="checkbox"/> AA CENTER <input checked="" type="checkbox"/> N3 <input type="checkbox"/> S3 <input type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (Flag and comment below) <input type="checkbox"/> Location of coordinates (choose one): Flag									
Latitude North 41 30 88 5 Longitude West 79 40 6 Use Decimal Degrees; NAD83									
Buffer Plot 3 can not be accessed, take the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest" location of the plot center. If Buffer Plot 3 is accessible where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest" practicable location of the plot center. If Buffer Plot 3 is accessible where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed at the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.									
Provide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of the plot center by filling in the appropriate bubble.									
Plot 1 2 3 Flag 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 Fill bubble if present - Plot 1 2 3 Flag									
④ Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble									
Site ID: PCP 1135 MS Date: 07/07/2011									
FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back) Reviewed by (initials): _____									

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: PCAP 1185 MS

DATE: 07/07/2011

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

Buffer Natural Cover Strata

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

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

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

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

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

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

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

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

2428168304

PLOT COORDINATES									
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilfoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>	Johnson Grass	<input type="checkbox"/>	<input type="checkbox"/>
Water Hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	Kudzu	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yellow Floating Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	Multiflora Rose	<input type="checkbox"/>	<input type="checkbox"/>
Giant Saurina	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Perennial Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	Common Buckthorn	<input type="checkbox"/>	<input type="checkbox"/>
Garlic Mustard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	Himalayan Blackberry	<input type="checkbox"/>	<input type="checkbox"/>
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cheatgrass	<input type="checkbox"/>	<input type="checkbox"/>	Tamask	<input type="checkbox"/>	<input type="checkbox"/>
Mile-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reed Canary Grass	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>
Birdsfoot Trefoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leary Spurge	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>
Provide GPS coordinates at the center of the Buffer Plot (#) at the far end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of GPS coordinates by filling in the appropriate bubble.									
If Buffer Plot 3 can not be accessed, take the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.									
Flag Location of coordinates (choose one):									
<input type="checkbox"/> AA CENTER <input type="checkbox"/> N3 <input type="checkbox"/> S3 <input type="checkbox"/> W3 <input checked="" type="checkbox"/> Nearest practicable location (flag and comment below)									
Latitude North 41 30 74 17 Longitude West 81 79 53 0 Use Decimal Degrees; NAD83									
Flag Comments									

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: 9CAP 1135 ms

DATE: 07/07/2011

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

Buffer Natural Cover Strata

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

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

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

Residential and Urban Stressors				Hydrology Stressors				Agricultural & Rural Stressors							
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	
Road - gravel	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Ditches, Channelization	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Pasture/Hay	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Road - two lane	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	Range	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Road - four lane	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	Row Crops	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Parking Lot/Pavement	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Excavation, Dredging	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	
Golf Course	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Fill/Soil Banks	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	
Lawn/Park	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	Nursery	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Suburban Residential	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Soil Loss/Root Exposure	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Dairy	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Urban/Multifamily	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Wall/Riprap	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Orchard	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Landfill	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Inlets, Outlets	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Confined Animal Feeding	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Dumping	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	Rural Residential	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Trash	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	Gravel Pit	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Irrigation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<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"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Forest Clear Cut	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Herbicide Use	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Gas Wells	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Forest Selective Cut	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Mowing/Shrub Cutting	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Mine (surface)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Tree Plantation	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Trails	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Mine (underground)	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	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			<input type="radio"/>	
Military	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4			<input type="radio"/>	Offroad vehicle damage	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	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			<input type="radio"/>	
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	
Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	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			<input type="radio"/>	Other: _____	<input type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4			<input type="radio"/>	

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

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

2428168304

FORM B-1: BUFFER SAMPLE PLOTS (Front)

Reviewed by (initial): _____

Site ID: RCNP 1135 MS

DATE: 07/07/2011

Location:

AA Center N S E W

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

Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

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

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

2428168304

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

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Site ID: PCP 1135 MS DATE: 07/07/2011																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Reviewed by (initials):																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
④ Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
<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>Flag</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> <td>Flag</td> </tr> <tr> <td colspan="3">Eurasian Watermilfoil</td> <td colspan="3">Water Hyacinth</td> <td colspan="3">Yellow Floating Heart</td> <td>Giant Salvina</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Purple Loosestrife</td> <td colspan="3">Knotweed</td> <td colspan="3">Japanese Knotweed</td> <td>Multiflora Rose</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Johnson Grass</td> <td colspan="3">Kudzu</td> <td colspan="3">Common Buckthorn</td> <td>Himalayan Blackberry</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Giant Reed</td> <td colspan="3">Pteriminal Pepperweed</td> <td colspan="3">Giant Reed</td> <td>Chenopodium</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Yellow Floating Heart</td> <td colspan="3">Japanese Knotweed</td> <td colspan="3">Multiflora Rose</td> <td>Giant Salvinia</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Eurasian Watermilfoil</td> <td colspan="3">Water Hyacinth</td> <td colspan="3">Kudzu</td> <td>Yellow Floating Heart</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Purple Loosestrife</td> <td colspan="3">Knotweed</td> <td colspan="3">Japanese Knotweed</td> <td>Giant Reed</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Johnson Grass</td> <td colspan="3">Kudzu</td> <td colspan="3">Multiflora Rose</td> <td>Yellow Floating Heart</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Giant Reed</td> <td colspan="3">Pteriminal Pepperweed</td> <td colspan="3">Giant Reed</td> <td>Chenopodium</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Chenopodium</td> <td colspan="3">Kudzu</td> <td colspan="3">Multiflora Rose</td> <td>Giant Salvinia</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Himalayan Blackberry</td> <td colspan="3">Common Buckthorn</td> <td colspan="3">Giant Reed</td> <td>Yellow Floating Heart</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Tamarisk</td> <td colspan="3">Johnson Grass</td> <td colspan="3">Japanese Knotweed</td> <td>Giant Reed</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Reed Canary Grass</td> <td colspan="3">Chenopodium</td> <td colspan="3">Kudzu</td> <td>Chenopodium</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Mile-A-Minute Weed</td> <td colspan="3">Rabbitbrush</td> <td colspan="3">Johnson Grass</td> <td>Himalayan Blackberry</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Bridlefoot Trefoil</td> <td colspan="3">Common Reed</td> <td colspan="3">Japanese Knotweed</td> <td>Chenopodium</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Canada Thistle</td> <td colspan="3">Leaffy Spurge</td> <td colspan="3">Kudzu</td> <td>Rabbitbrush</td> </tr> <tr> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td colspan="3"><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Flag</td> <td colspan="3">Flag</td> <td colspan="3">Flag</td> <td>Flag</td> </tr> <tr> <td colspan="10">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 by filling in the appropriate bubble.</td> </tr> <tr> <td colspan="10">If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.</td> </tr> <tr> <td colspan="10">Flag</td> </tr> <tr> <td colspan="10">Location of coordinates (choose one):</td> </tr> <tr> <td colspan="10"> <input type="checkbox"/> AA CENTER <input type="checkbox"/> N3 <input type="checkbox"/> S3 <input checked="" type="checkbox"/> E3 <input type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (flag and comment below) </td> </tr> <tr> <td colspan="10">Use Decimal Degrees; NAD83</td> </tr> <tr> <td colspan="10"> <table border="1"> <thead> <tr> <th colspan="5">Latitude North</th> <th colspan="5">Longitude West</th> </tr> </thead> <tbody> <tr> <td>8</td><td>1</td><td>7</td><td>9</td><td>2</td><td>8</td><td>1</td><td>7</td><td>9</td><td>2</td> </tr> </tbody> </table> </td> </tr> <tr> <td colspan="10">Comments</td> </tr> </tbody> </table>										Fill bubble if present - Plot 1			Fill bubble if present - Plot 2			Fill bubble if present - Plot 3			Flag	<input type="checkbox"/>	Flag	Eurasian Watermilfoil			Water Hyacinth			Yellow Floating Heart			Giant Salvina	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Purple Loosestrife			Knotweed			Japanese Knotweed			Multiflora Rose	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Johnson Grass			Kudzu			Common Buckthorn			Himalayan Blackberry	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Giant Reed			Pteriminal Pepperweed			Giant Reed			Chenopodium	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Yellow Floating Heart			Japanese Knotweed			Multiflora Rose			Giant Salvinia	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Eurasian Watermilfoil			Water Hyacinth			Kudzu			Yellow Floating Heart	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Purple Loosestrife			Knotweed			Japanese Knotweed			Giant Reed	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Johnson Grass			Kudzu			Multiflora Rose			Yellow Floating Heart	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Giant Reed			Pteriminal Pepperweed			Giant Reed			Chenopodium	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Chenopodium			Kudzu			Multiflora Rose			Giant Salvinia	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Himalayan Blackberry			Common Buckthorn			Giant Reed			Yellow Floating Heart	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Tamarisk			Johnson Grass			Japanese Knotweed			Giant Reed	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Reed Canary Grass			Chenopodium			Kudzu			Chenopodium	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Mile-A-Minute Weed			Rabbitbrush			Johnson Grass			Himalayan Blackberry	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Bridlefoot Trefoil			Common Reed			Japanese Knotweed			Chenopodium	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Canada Thistle			Leaffy Spurge			Kudzu			Rabbitbrush	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	Flag			Flag			Flag			Flag	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 by filling in the appropriate bubble.										If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.										Flag										Location of coordinates (choose one):										<input type="checkbox"/> AA CENTER <input type="checkbox"/> N3 <input type="checkbox"/> S3 <input checked="" type="checkbox"/> E3 <input type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (flag and comment below)										Use Decimal Degrees; NAD83										<table border="1"> <thead> <tr> <th colspan="5">Latitude North</th> <th colspan="5">Longitude West</th> </tr> </thead> <tbody> <tr> <td>8</td><td>1</td><td>7</td><td>9</td><td>2</td><td>8</td><td>1</td><td>7</td><td>9</td><td>2</td> </tr> </tbody> </table>										Latitude North					Longitude West					8	1	7	9	2	8	1	7	9	2	Comments																	
Fill bubble if present - Plot 1			Fill bubble if present - Plot 2			Fill bubble if present - Plot 3			Flag																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flag																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Eurasian Watermilfoil			Water Hyacinth			Yellow Floating Heart			Giant Salvina																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Purple Loosestrife			Knotweed			Japanese Knotweed			Multiflora Rose																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Johnson Grass			Kudzu			Common Buckthorn			Himalayan Blackberry																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Giant Reed			Pteriminal Pepperweed			Giant Reed			Chenopodium																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Yellow Floating Heart			Japanese Knotweed			Multiflora Rose			Giant Salvinia																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Eurasian Watermilfoil			Water Hyacinth			Kudzu			Yellow Floating Heart																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Purple Loosestrife			Knotweed			Japanese Knotweed			Giant Reed																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Johnson Grass			Kudzu			Multiflora Rose			Yellow Floating Heart																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Giant Reed			Pteriminal Pepperweed			Giant Reed			Chenopodium																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Chenopodium			Kudzu			Multiflora Rose			Giant Salvinia																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Himalayan Blackberry			Common Buckthorn			Giant Reed			Yellow Floating Heart																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Tamarisk			Johnson Grass			Japanese Knotweed			Giant Reed																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Reed Canary Grass			Chenopodium			Kudzu			Chenopodium																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Mile-A-Minute Weed			Rabbitbrush			Johnson Grass			Himalayan Blackberry																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Bridlefoot Trefoil			Common Reed			Japanese Knotweed			Chenopodium																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Canada Thistle			Leaffy Spurge			Kudzu			Rabbitbrush																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Flag			Flag			Flag			Flag																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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 by filling in the appropriate bubble.																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer Plots are centered on the Buffer Transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble, fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Flag																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Location of coordinates (choose one):																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
<input type="checkbox"/> AA CENTER <input type="checkbox"/> N3 <input type="checkbox"/> S3 <input checked="" type="checkbox"/> E3 <input type="checkbox"/> W3 <input type="checkbox"/> Nearest practicable location (flag and comment below)																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Use Decimal Degrees; NAD83																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
<table border="1"> <thead> <tr> <th colspan="5">Latitude North</th> <th colspan="5">Longitude West</th> </tr> </thead> <tbody> <tr> <td>8</td><td>1</td><td>7</td><td>9</td><td>2</td><td>8</td><td>1</td><td>7</td><td>9</td><td>2</td> </tr> </tbody> </table>										Latitude North					Longitude West					8	1	7	9	2	8	1	7	9	2																																																																																																																																																																																																																																																																																																																																																																																																																																														
Latitude North					Longitude West																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
8	1	7	9	2	8	1	7	9	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																											