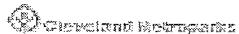


CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form



Project Label:

PCAP

Plot No: 1156 Date Sampled: 7/20/11 Lead: DS

Comment required if item answer is NO

Parking/Access outside of Park Boundaries.	<input checked="" type="radio"/> Y <input type="radio"/> N	If yes, write details in Comments section below	
Field journals completed	<input checked="" type="radio"/> Y <input type="radio"/> N		
Site sketch made on 1:3000 map?	<input checked="" type="radio"/> Y <input type="radio"/> N		
Check cover page	X-axis Bearing of plot recorded	<input checked="" type="radio"/> Y <input type="radio"/> N	
	GPS coords. Recorded	<input checked="" type="radio"/> Y <input type="radio"/> N	
	North direction recorded	<input checked="" type="radio"/> Y <input type="radio"/> N	
	Photographs taken?	<input checked="" type="radio"/> Y <input type="radio"/> N	
Plot No., Date agreement on all pages?	<input checked="" type="radio"/> Y <input type="radio"/> N		
Header data completed all pages?	<input checked="" type="radio"/> Y <input type="radio"/> N		
Cover classes recorded in all Intensive modules	<input checked="" type="radio"/> Y <input type="radio"/> N		
Browse Level By Species	<input checked="" type="radio"/> Y <input type="radio"/> N		
Woody stem quality control check	<input checked="" type="radio"/> Y <input type="radio"/> N		
Invasive plant quality control check	<input checked="" type="radio"/> Y <input type="radio"/> N		
Ash trees mapped	<input checked="" type="radio"/> Y <input type="radio"/> N	N/A	
Cover by Strata? (confirm cover type)	<input checked="" type="radio"/> Y <input type="radio"/> N		
Soil samples collected with matching plot #	<input checked="" type="radio"/> Y <input type="radio"/> N		
Vouchers labeled on datasheet with initials and number	<input checked="" type="radio"/> Y <input type="radio"/> N		
Vouchers labeled on collection bag	<input checked="" type="radio"/> Y <input type="radio"/> N		
Pink flags removed	<input checked="" type="radio"/> Y <input type="radio"/> N		
Data sheet QA before leaving site?	<input checked="" type="radio"/> Y <input type="radio"/> N		
Common equipment returned to tub.	<input checked="" type="radio"/> Y <input type="radio"/> N		
Data sheets scanned?	7/24/11 Enter date to left		
Final data sheets scanned?	Enter date to left		
Buffer Widths measured?	<input checked="" type="radio"/> Y <input type="radio"/> N		
Web Soil Survey	<input checked="" type="radio"/> Y <input type="radio"/> N		
Voucher Location	Refrigerator	<input checked="" type="radio"/> Y <input type="radio"/> N	
(# vouchers collected)	Press (#)	Enter number to left	
	Drier	<input checked="" type="radio"/> Y <input type="radio"/> N	
	Identified	<input checked="" type="radio"/> Y <input type="radio"/> N	
	Mounted	<input checked="" type="radio"/> Y <input type="radio"/> N	
	Thrown away	<input checked="" type="radio"/> Y <input type="radio"/> N	

GRTS point verification: Is plot sampleable?

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

Additional Comments:



CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2

GENERAL INFORMATION		LOCATION	
Project Label:	PCAP	State:	OH County: CUYAHOGA
Project Name:	<u>SWNC 2011</u>	Quadrangle:	<u>MASFIELD HEIGHTS</u>
Plot Name:	<u>TR4E CABBAGE PATCH</u>	Local Place Names:	<u>RIVER OAKS TR #</u>
Plot No.:	<u>1156</u>	Landowner:	<u>CLE METRO CEMETERY</u>
<input type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled)		X-axis Bearing of plot:	<u>206°</u>
Date (mm/dd/yyyy): <u>07/20/2011</u>		Check one: <input checked="" type="checkbox"/> Public data <input type="checkbox"/> Private Data	
End date (if > 1 day): <u>/ /</u>		<input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m	
Party	Role **	<input type="checkbox"/> If data not public why?	
<u>D SIEVER</u>	<u>Plot leader BUFFER</u>	Source of coordinates <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS	
<u>J LANTERMAN</u>	<u>ASS'T BUFFER</u>	GPS location in plot x=0 to 5, y=-1,0,+1): x = <u>0</u> y = <u>0</u> (base of plot x=0, y=0)	
<u>J MURPHY</u>	<u>SEUS, STEMS, BURRS</u>	<input type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input checked="" type="checkbox"/> deg <input type="checkbox"/> deg min <input type="checkbox"/> Other (specify) <u>■ m □ ft</u>	
<u>Q COLLECA</u>	<u>"</u>	<input type="checkbox"/> Coordinate system: <u>Coord. Units</u> <input type="checkbox"/> Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capture specific feature <input type="checkbox"/> Other	
<u>BILL</u> (invasive even) <u>GUEST</u> ** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.		NOTES: Include Layout (any unusual shape details), Location (directions and landscape content), Rationale (why here), and Veg Characterization (description of community, dominants, strata, BROWSE). Additional notes in space on back.	
PLOT NOT SAMPLED: <input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety		Plot placement: <input type="checkbox"/> Representative <input checked="" type="checkbox"/> GRITS <input type="checkbox"/> Random <input type="checkbox"/> Stratified Random <input type="checkbox"/> Other (specify) <u>■ m □ ft</u>	
SAMPLING QUALITY* Effort Level: <input checked="" type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurried subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data		Datum: <input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27 Latitude: <u>41.54275</u> Longitude: <u>81.41343</u> Coord. Accuracy: <u>± 1.1</u> GPS File Name: <u>1156A</u> Plot size for cover data: <u>0.1</u> (hectares)	
TAXONOMIC ACCURACY		Plot <input type="checkbox"/> Stems present <u>Plot size stems: 0.1 (ha)</u> Depth: (1-5): <u>4</u> Intensive modulus: 2, 3, 8, 9 (EDIT IF MODIFIED) Camera No.: <u>3</u> Photo Nos.: <u>C3 0549, 0550</u>	
OVER			
<small>*Definitions and values in CMPCAP FOM v. 1.0 and CVS Field Guide to use on <u>Rubus</u> and <u>Aegopodium</u>.</small>			

Minimum required fields in Bold and Underlined

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name: 2/N204

Plot No.: 1156

Page 2 of 2

CLASSIFICATION

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

Fit and Confidence

Hydrogeomorphic class (WETLANDS ONLY):

- DEPRESSION
- IMPOUNDMENT Beaver Human
- RIVERINE Headwater Mainstem Channel
- SLOPE (ground water hydrology or on a physical slope)
- FRINGING Reservoir Natural Lake
- COASTAL (specify subclass)
- BOG (strongly, moderately, weekly ombrotrophic)

- Fit= Conf=
 Fit= Conf=
 Fit= Conf=
 Fit= Conf=
 Fit= Conf=
 Fit= Conf=
 Fit= Conf=

Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):

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

- Fit= Conf=
 Fit= Conf=
 Fit= Conf=

MODIFIED NATURE RESERVE CLASS*

CODE (on separate form): LCR Fit= E Conf= 4

COMMUNITY NAME: Continuous Forest

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
<input type="checkbox"/>	> 1,000 x plot size	Human	<u>1</u>	<u>0</u>	<u>100</u> <u>flooding</u>
<input type="checkbox"/>	10-100 x plot size	Natural	<u>1</u>	<u>0</u>	<u>100</u>
<input type="checkbox"/>	3-10 x plot size	Fire			
<input type="checkbox"/>	1-3 x plot size	Cut			
<input type="checkbox"/>	< plot size	Animal	<u>1</u>	<u>0</u>	<u>100</u> <u>bronze</u>
		Other			

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

HYDROLOGIC REGIME*

	Upland (seldom flooded)	Intermittently flooded	Semipermanently flooded
<input type="checkbox"/>	<input type="checkbox"/> Upland (seldom flooded)	<input type="checkbox"/> Intermittently flooded	<input type="checkbox"/> Semipermanently flooded

	Brackish	Fresh	Occasionally flooded (dry <1/yr, seldom flooded)	Tidal/Seiche flooded daily
<input type="checkbox"/>	<input type="checkbox"/> Brackish	<input type="checkbox"/> Fresh	<input type="checkbox"/> Occasionally flooded (dry <1/yr, seldom flooded)	<input type="checkbox"/> Tidal/Seiche flooded daily
<input type="checkbox"/>	<input type="checkbox"/> Fresh	<input type="checkbox"/> Fresh	<input type="checkbox"/> Temporarily flooded (e.g. wind, storms)	<input type="checkbox"/> Tidal/Seiche flooded irregular
			<input type="checkbox"/> Unknown	

	(by default unless plot is a wetland)
<input type="checkbox"/>	<input type="checkbox"/> Temporarily flooded (e.g. wind, storms)

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Plot no.: 115e

Page 1 of 3

Project Label: PCAP

Total modules:

10

Visual est. % open water entire site: 8%

Visual est. %unveg. o.w. entire site: 8%

Visual est. %invasives entire site: 95%



**Cleveland
Metroparks**

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

Estimate for each
intensive module:

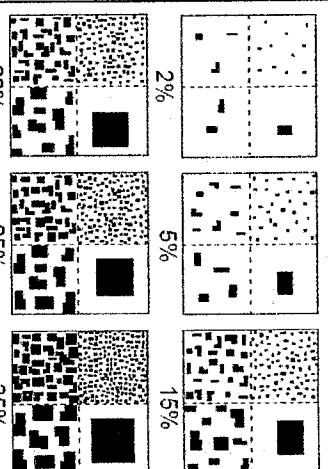
	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner	mod	corner
2	4	2	2	3	4	3	2	8	4	6	2	9	4	7	2	R	R					
depth	cov / depth	cov	depth																			
1	5		1	5		1	0		1	0		1	0		1	0		1	0			
1	6		1	6		1	0		1	0		1	0		1	0		1	0			
%unvegetated open water																						
%unveg. ground (bare soil)	1	0		1	1		1	1		1	1		1	1		1	1		1	1		
%unveg. litter (bare litter)	1	0		1	0		1	1		1	1		1	1		1	1		1	1		

Strata - Cov. entire plot

T	S	H	(F)	(A)	Br	Species	C	Voucher #	depth	cov												
7	8	4				<i>Geopodium podagraria</i>		DS 172	4	10	4	3	9	4	4	9	4	2	7	4		
7	9	4				<i>Petrosites hybrida</i> (big)		DS 166	4	10	4	4	10	4	4	10	4	4	10	4		
6	1	7				<i>Populus deltoides</i>		4	5			4	7	4	4	5	1	4	5			
5	2	9				<i>Acer negundo</i>		DS 170	4	2	2	2	3	4	1	1	1	1	4	6		
2	2					<i>Rubus caesius</i>			2	2	2	2	2	2	2	2	2	2	2	2		
1	1					<i>Ulmus americana</i>			1	1	+					2	1					
2	2					<i>Echinocystis lobata</i>				2	1	2	3	2	1	1						
2	2					<i>Verbesina alternifolia</i>																
2	2					<i>Impatiens capensis</i>																
1	1					<i>Moss sp.</i>																
2	2					<i>Polygonum cespitosum</i>	X	DS 167		1	2	1	2	1	1	1	1	1	3	1		
1	1					<i>Poa trivialis</i>			1	1	1	2	1	1	2	1	2	2	2	2		
1	1					<i>Hackelia virginiana</i>			1	1	1	1	1	1	1	1	1	1	3	1		
6	2					<i>Phytolacca americana</i>			4	5	4	7	4	8	4	1	4					
6	2					<i>Pilea pumila</i>			12	1	1	1	1	1	1	1	2	1				
6	2					<i>Acer saccharinum</i>																
6	2					<i>Leersia virginica</i>																
1	1					<i>Polygonum cuspidatum</i>																
1	1					<i>Pteris latifolia</i> (Porus)																
1	1					<i>Pea trifoliate</i> (duplicate sp.)	X	DS 168														
1	1					<i>Oxalis stricta</i>																
1	1					<i>Urtica dioica</i>																
1	1					<i>Ligustrum vulgare</i>																
1	1					<i>Toxicodendron radicans</i>																
1	1					<i>Cryptothecia canescens</i>																

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.



20% 25% 50% 35%

50% 60% 90%

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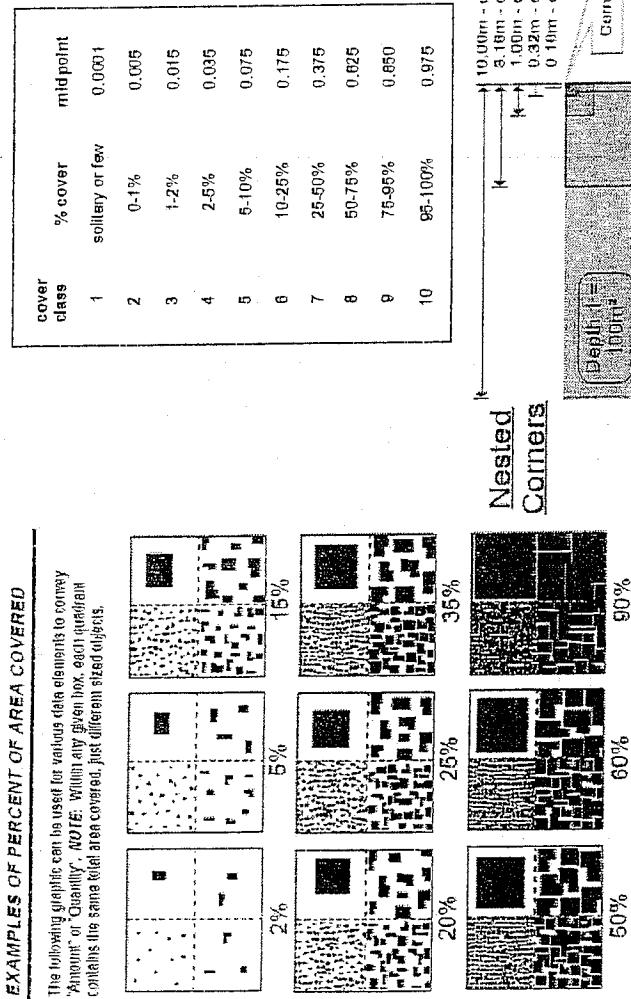
20% 25%

50% 60% 90%

20% 25%

EXAMPLES OF PERCENT OF AREA COVERED

The following graphs 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 squares.



BROWSE RATING NARRATIVE RECOGNITION

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

2	0-1%	0.005
3	1-2%	0.015
4	2-5%	0.035
5	5-10%	0.075
6	10-25%	0.175
7	25-50%	0.375
8	50-75%	0.625
9	75-95%	0.850
10	95-100%	0.975

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.
—
—
—

50m

1. *Leucosia* *leucosia* (L.)

54

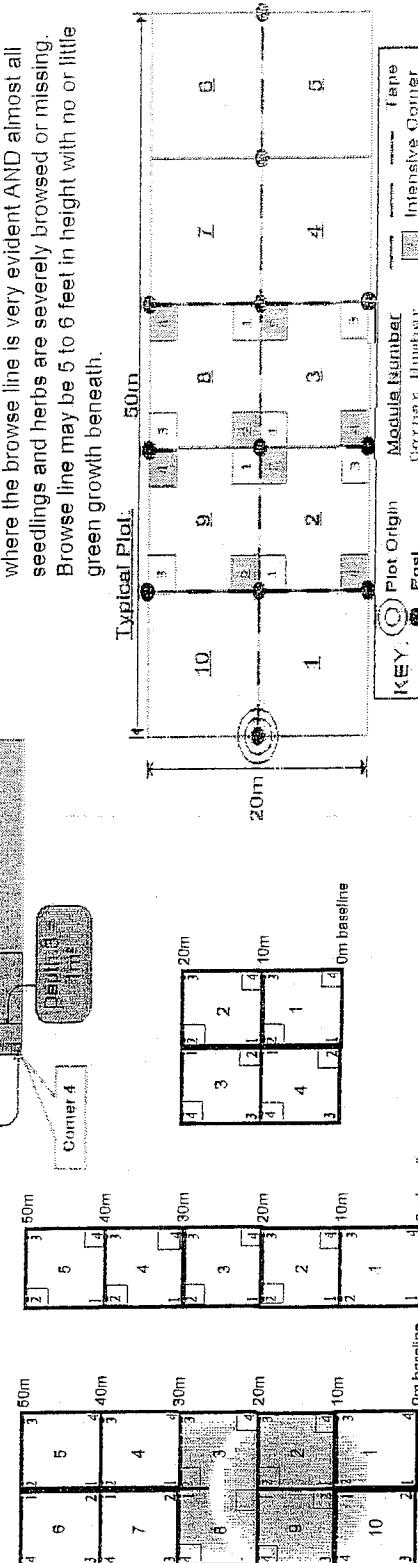
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Modelle mit Zahl	Modelle mit Zahl
Modelle mit Zahl	Modelle mit Zahl

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2bCM PCAP Specieless Cover Delta Sheet Back Back ver 1.3 rev

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CLEVELAND METROPARKS Plant Community Assessment Project Species Cover Data Sheet

Project Label: _____ PCAP _____

Project name: *o/NCZ04*

Page 3 of 3

Visuals (% open media analysis)
Intensive modules:

configuration: _____

Plot area (ha)

卷之三

卷之三

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

Visual est. %/invasives entire site

11

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describe amount of browse per species over entire plot

% unregulated open wall

316 - CONCLUSION

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%unvęg. litter (hara lile)

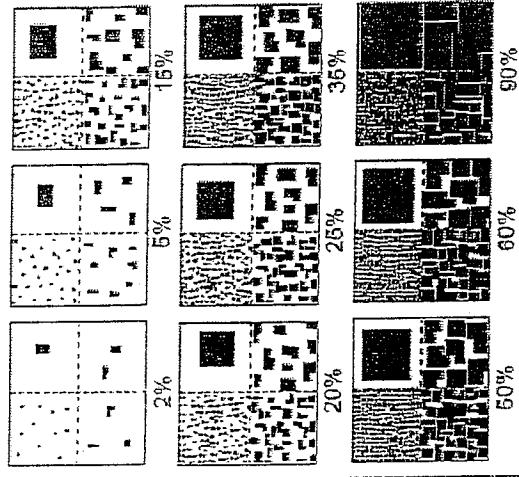
Antennaria vulgaris

۱۰۰

Polygonum virginianum
Veronica serpyllifolia

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to convey "Amount" or "Quantity", AND **NOT** within any given look, each quadrant contains the same field area covered, just different sized objects.



BROWSE RATING NARRATIVE DESCRIPTION

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

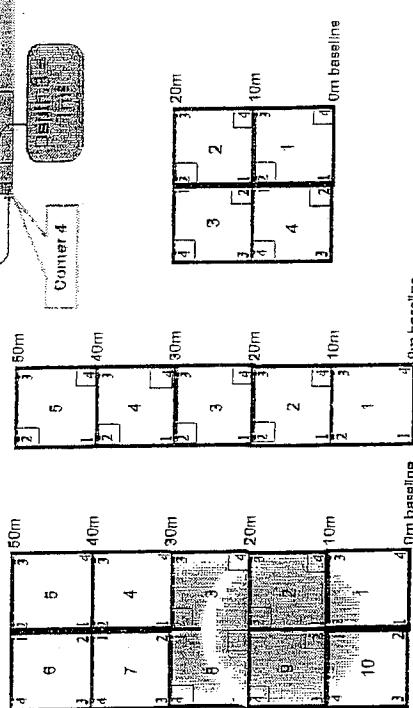
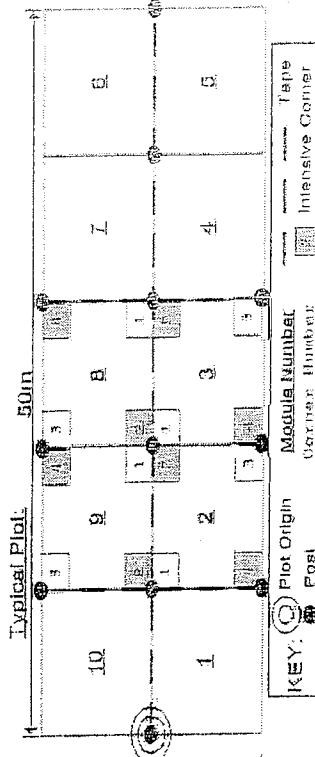
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

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

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

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



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: GWNC 2011 Plot No.: 1156

Page: of

Explain subsample (additional room on back))

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

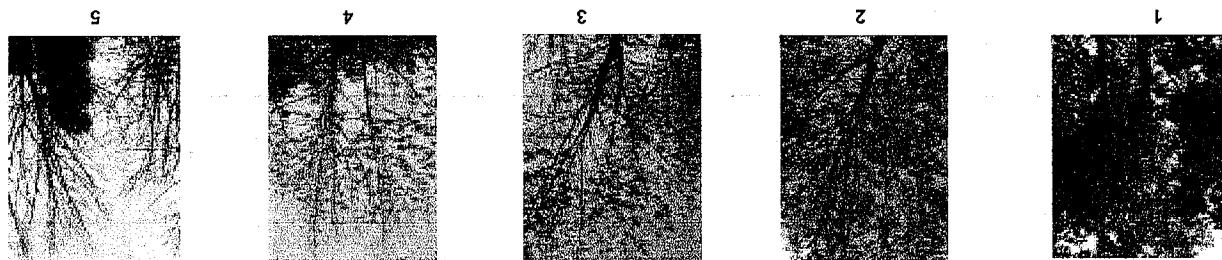
D: Stem still standing and tertiary main branches present.

E: Central stem still standing.

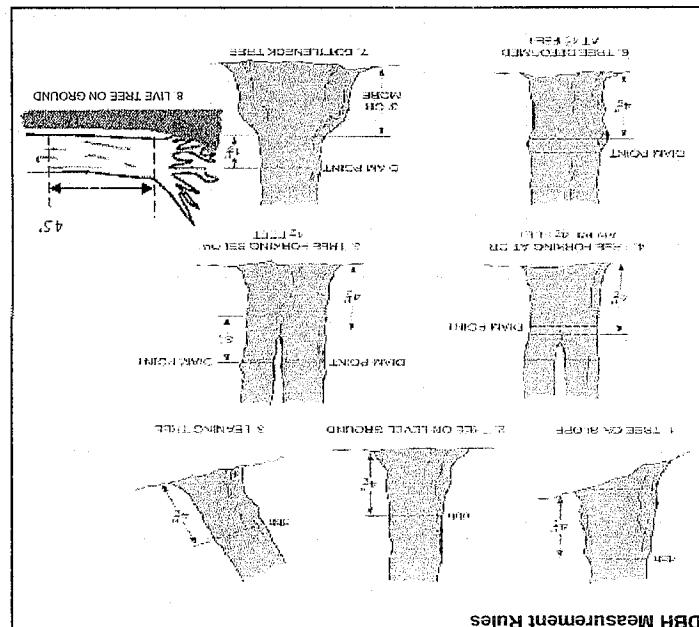


5. Dead canopy: No leaves remain in the canopy portion of the tree. If still counts as a 5 even if there are epicormic sprouts below the canopy.
4. >50% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
3. Dieback: Canopy is thinning and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

ASH CANOPY CONDITION



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



COVER BY STRATA (% estimate using 5 points of 5 ext. 3, 8, 13, 83)	
Strata	Height Range (in)
Tree	5 - X 83
Shrub	1 - 5 8
Herb	X - 1 73
(Floating)*	-
(Aquatic)**	-
* rooted and floating or slightly emersed	
** submersed, most plant mass below surface	
SEE BACK OF PAGE FOR "TYPICAL" STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.	

EARTH SURFACE & GROUND COVER	
Underlying Earth Surface*	Ground Cover
(Sum = 100%)	Percent
Histsol	0
Mineral Soil	100
Gravel/Cobble*	0
Boulder**	0
Bedrock	0
• Gravel/Cobble = 1/16 to 10 in	
• Boulder = > 10 in	
• Gravel/Cobble = 1/16 to 10 in	
• Boulder = > 10 in	
• >5 cm in diameter	
• <5 cm in diameter	
• Water	
• Bare Soil	68
• Road/Trail	0
• Other Trash	3

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

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Counts 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 elevation/grade across module (hill)

Slope 2 = falls on slope ~20°

Slope 3 = maximum steepness that can be safely sampled ~45°

- 0 feature is absent or functionally absent (Golf Course Flat)
 1 feature is present in very small amounts or if more common, of low quality
 3 feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality
 7 feature is present in moderate or greater amounts and of highest quality
 10 feature is present in moderate or greater amounts and of highest quality

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

no. of tussocks	no. of hummocks	no. macro. depressions	c.w.d. (2-12 cm)	c.w.d. (12-40 cm)	c.w.d. >40 cm	microhab. interspers.	microhab. interspers.	microhab. interspers.
depth 3	depth 2	depth 1	depth 1	depth 1	depth 1	SLOPE	SLOPE	SLOPE
1x1m	3.16x3.16m	10x10m	10x10m	10x10m	10x10m	TSI	TSI	TSI
mod#	corner	(count)	(count)	(count)	(count)	(rank)	(rank)	(rank)
2	2,4	0	0	4	0	0	2	0
3	2,4	0	0	2	4	0	0	2
8	2,4	0	0	2	8	18	0	2
9	2,4	0	0	2	5	0	0	3

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

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

Module	N	S	E	W
2	11	1	8	2
8	3	2	5	3
9	1	0	2	0

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

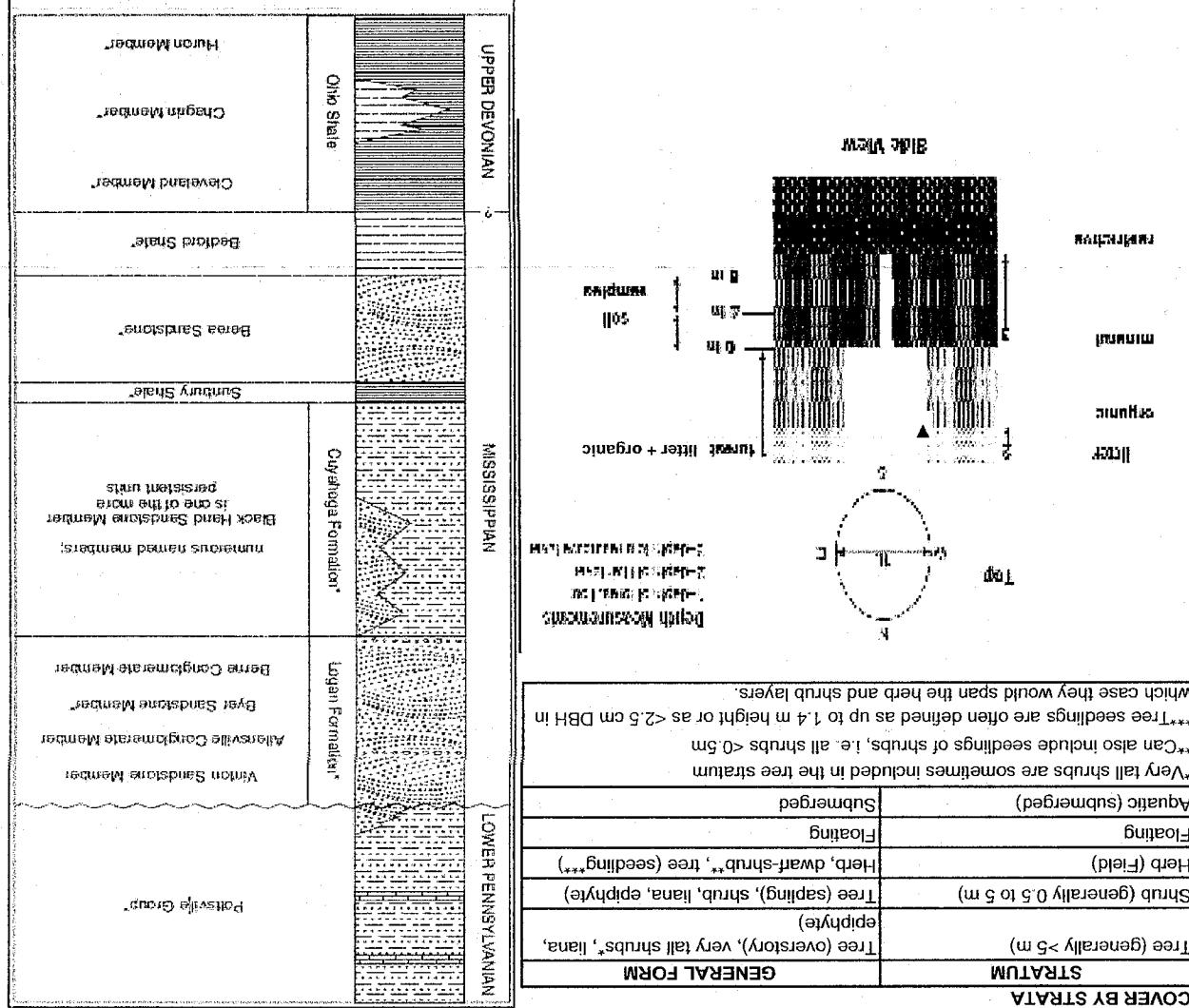
LEI* TSI**	
At aspect	N
+45 degrees	NE
+90 degrees	E
+135 degrees	SE
+180 degrees	S
+225 degrees	SW
+270 degrees	W
+315 degrees	NW

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

MICNAB INDICES (degrees) + for up - for down [FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]	
AT aspect	N
+45 degrees	NE
+90 degrees	E
+135 degrees	SE
+180 degrees	S
+225 degrees	SW
+270 degrees	W
+315 degrees	NW

*Landscape index (position within landscape)

**Terrain Shape Index (site microtopographic shape)



CLEVELAND METROPARKS Emerald Ash Borer - *Fraxinus* Sheet

Project Label: PCAP

Project Name: CINC 2010

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

Plot No.: 1156

Date: 7/20/11

Page: 1 of 2

PRINTED DATE: 7/20/11

ASH Only										
Tree ID	Species	Dead c	Voucher #	DBH (cm)	Ht @ DBH	Ash condition	Dead condition	# Exit holes	Epicormic present	Woodpecker holes
1	No Ash in plot									
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

9

8

2

3

N

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

RM B-1: BUFFER SAMPLE PLOTS (ft. x ft.)

Reviewed by (initial): _____

Site ID: PCAP NC 1156

DATE: 07/20/2011

Location:

● AA Center O N O S O E O W

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

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

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

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

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

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

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

2428168304

PLOT COORDINATES											
Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag	Fill bubble if present - Plot 1	2	3	Flag
Eurasian Watermilfoil	<input type="checkbox"/>	<input type="checkbox"/>		Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>		Johnson Grass	<input type="checkbox"/>	<input type="checkbox"/>	
Water Hyacinth	<input type="checkbox"/>	<input type="checkbox"/>		Knotweed	<input type="checkbox"/>	<input type="checkbox"/>		Kudzu	<input type="checkbox"/>	<input type="checkbox"/>	
Yellow Flowering Heart	<input type="checkbox"/>	<input type="checkbox"/>		Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>		Multiflora Rose	<input type="checkbox"/>	<input type="checkbox"/>	
Giant Swallowtail	<input type="checkbox"/>	<input type="checkbox"/>		Fernleaf Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>		Giant Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	
Garlic Mustard	<input type="checkbox"/>	<input type="checkbox"/>		Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>		Himalayan Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>		Chenopodium	<input type="checkbox"/>	<input type="checkbox"/>		Tamansk	<input type="checkbox"/>	<input type="checkbox"/>	
Milk-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>		Reed Canary Grass	<input type="checkbox"/>	<input type="checkbox"/>		Other	<input type="checkbox"/>	<input type="checkbox"/>	
Birdsfoot Trefoil	<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"/>		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 (#3) at the rear end of each Buffer transect and for the Buffer Plot at the AA CENTER. Indicate the location of GPS coordinates at the center of the Buffer Plot by filling in the appropriate bubble.											
If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location ALONG THE TRANSECT. This is important because all Buffer plots are centred on the Buffer transects and the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble 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):											
AA CENTER <input type="checkbox"/> N3 <input type="checkbox"/> S3 <input type="checkbox"/> W3 <input type="checkbox"/> NEAREST PRACTICABLE LOCATION (Flag and comment below)											
Latitude North 41 54 28 7 Longitude West 081 41 33 8 Use Decimal Degrees; NAD83											
Comments											
Flag											
Buffer Sample Points - Targeted Alien Species (Back)											
Site ID: CAP NC 1156 DATE: 07/20/2011											
Reviewed by (initials):											
• Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble											

RM B-1: BUFFER SAMPLE PLOTS (Form 11)

Reviewed by (initial): _____

Site ID: PCAP NC 1156

DATE: 07/20/2011

Location:

O AA Center O N O S O E O W

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

O Plot 1 X Plot 2 O Plot 3

Buffer Natural Cover Strata

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

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

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

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

Residential and Urban Stressors				Hydrology Stressors				Agricultural & Rural Stressors				Flag
Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ditches, Channelization	<input 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 checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Nursery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Suburban Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Soil Loss/Root Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Trash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Impervious surface input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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

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

2428168304

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

RM B-1: BUFFER SAMPLE PLOTS (ft. x ft.)

Reviewed by (initial):

Site ID: PCAP NC 1156

DATE: 07/20/2011

Location:

 AA Center N S E W

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

 Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

Buffer Plot 1	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 2	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>	Buffer Plot 3	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/>		
	Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag			Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag			Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag			
Big Trees (>0.3m DBH)	<input checked="" type="radio"/> e	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Big Trees (>0.3m DBH)	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input type="radio"/> 2	<input checked="" type="radio"/> 3	<input type="radio"/> 4
Small Trees (<0.3m DBH)	<input checked="" type="radio"/> d	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Small Trees (<0.3m DBH)	<input checked="" type="radio"/> d	<input type="radio"/> 1	<input type="radio"/> 2	<input checked="" type="radio"/> 3	<input type="radio"/> 4
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Woody Shrubs, Saplings (0.5m-5m HIGH)	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4
Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/> b	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4
Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Herbs, Forbs and Grasses	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input checked="" type="radio"/> 3	<input type="radio"/> 4
Bare ground	<input checked="" type="radio"/> b	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Bare ground	<input checked="" type="radio"/> b	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Litter, duff	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Litter, duff	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Rock	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Rock	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Water	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Water	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
Submerged Vegetation	<input checked="" type="radio"/> b	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4			Submerged Vegetation	<input checked="" type="radio"/> b	<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/Roof Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Trash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Impervious surface input (SHEET FLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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

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

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

2428168304

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (BACK)											
<input checked="" type="checkbox"/> Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble											
Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag											
Site ID: PCAP NC 1156 DATE: 07/20/2011											
Retrieved by (initials): _____											
© Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble											
Provide GPS coordinates at the center of the Buffer Plot (#3) at the rear end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of GPS coordinates at the center of the Buffer Plot (#3) at the rear end of each Buffer Transect and for the Buffer Plot at the AA CENTER. Indicate the location of the 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 nearest practicable location ALONG THE TRANSECT. Fill in the "nearest practicable location" bubble. Fill in the flag box, and describe where the Buffer Transects and the nearest practicable location are located in the comment section below. The coordinates will indicate the location of the nearest practicable location. Fill in the "nearest practicable location" bubble. Fill in the flag box, and describe where the Buffer Plot 3 is close to the center of Plot 3 is possible or at the center of the last accessible Buffer Plot.											
Latitude North 41 54 18 S Longitude West 081 41 30 W Use Decimal Degrees; NAD83											
Location of coordinates (choose one): <input type="radio"/> AA CENTER <input type="radio"/> N3 <input type="radio"/> S3 <input type="radio"/> E3 <input type="radio"/> W3 <input type="radio"/> Nearest practicable location (flag and comment below)											
Flag Comments											
1 Drier wall in plot											

RM B-1: BUFFER SAMPLE PLOTS (F1, F2, etc.)

Reviewed by (Initial):

Site ID: PRAP NC H 1156

DATE: 07/12/2011

Location:

 AA Center N S E W

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

 Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

Buffer Plot 1	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0	Buffer Plot 2	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0	Buffer Plot 3	Canopy Type: <input checked="" type="radio"/> D <input type="radio"/> E		Absent: <input type="radio"/> 0		
	Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag: <input type="radio"/> F1			Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag: <input type="radio"/> F1			Leaf Type: <input checked="" type="radio"/> B <input type="radio"/> N	Flag: <input type="radio"/> F1			
Big Trees (>0.3m DBH)	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Big Trees (>0.3m DBH)	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Small Trees (<0.3m DBH)	<input checked="" type="radio"/> b	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Small Trees (<0.3m DBH)	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input checked="" type="radio"/> w	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Woody Shrubs, Saplings (0.5m-5m HIGH)	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/> w	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Woody Shrubs, Saplings (<0.5m HIGH)	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Herbs, Forbs and Grasses	<input checked="" type="radio"/> h	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Herbs, Forbs and Grasses	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Bare ground	<input checked="" type="radio"/> b	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Bare ground	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Litter, duff	<input checked="" type="radio"/> l	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Litter, duff	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Rock	<input checked="" type="radio"/> r	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Rock	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Water	<input checked="" type="radio"/> w	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Water	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4
Submerged Vegetation	<input checked="" type="radio"/> s	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4			Submerged Vegetation	<input checked="" type="radio"/> e	<input checked="" type="radio"/> 1	<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 3	<input checked="" type="radio"/> 4

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

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

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

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

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

2428168304

RM B-1: BUFFER SAMPLE PLOTS (ft x ft)

Reviewed by (initial):

Site ID: PLAP NC 1156

DATE: 07/20/2011

Location:

OAA Center: ON OS OE OW

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

O Plot 1 O Plot 2 O Plot 3

Buffer Natural Cover Strata

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

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

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

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

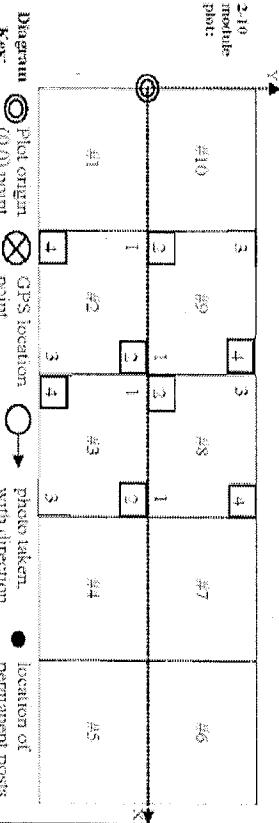
Residential and Urban Stressors				Hydrology Stressors				Agricultural & Rural Stressors						
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Ditches, 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 checked="" 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 type="radio"/>	<input type="radio"/>	<input type="radio"/>		Offroad vehicle damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Highly Grazed Grasses (OVERALL <1" HIGH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Recently Burned Forest Canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Recently Burned Grassland (BLACKENED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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

2428168304

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

GENERAL INFORMATION	
Project Label: PCAP Project Name: _____	
LOCATION	
State: OH County: _____ Quadrangle: _____	
Plot No.:	
<input type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled)	
Date (mm/dd/yyyy):	
End date (if > 1 day): / / /	
Party	
Role**: Plot leader	
Reason:	
If data not public why?	
Source of coordinates	
<input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS	
GPS location in plot x=0 to 5, y=-1, 0,+1):	
X = _____ Y = _____ (base of plot x=0, y=0)	
Coordinate system:	
■ Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input type="checkbox"/> Other (specify) ■ m <input type="checkbox"/> ft <input type="checkbox"/>	
Datum:	
<input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27	
SAMPLING QUALITY*	
Effort Level: <input type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurried	
subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data	
TAXONOMIC ACCURACY	
high modera. low not simpl vascul. n/a bryo lichen	
TAXONOMIC STANDARD	
Authority: G&C Pub Date: 1998	
Minimum required fields in Bold and Underlined	
<small>*Definitions and values in CM PCAP FORM v. 1.0 and CVS Field Guide</small>	
 <p>Plot placement: <input type="checkbox"/> Representative <input type="checkbox"/> GRIDS <input type="checkbox"/> Random <input type="checkbox"/> Stratified Random <input type="checkbox"/> Transect component <input type="checkbox"/> Systematic (grid) <input type="checkbox"/> Capture specific feature <input type="checkbox"/> Other</p> <p>NOTES: Include Layout (any unusual shape details), Location (directions and landscape content), Rationale (why here), and Veg Characterization (description of community, dominants, strata, BROWSE). Additional notes in space on back.</p>	
Longitude: Coord. Accuracy: <input type="checkbox"/> m <input type="checkbox"/> ft + - GPS File Name: _____	
Plot size for cover data: (hectares) <input type="checkbox"/> Stems not sampled on this plot <input type="checkbox"/> Stems absent <input type="checkbox"/> Stems present Plot size stems: _____ (ha)	
Depth: (1-5): Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED)	
Camera No.: _____ Photo Nos.: _____	
OVER	

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet



Project Label: PCAP

Project Name:

Plot No.: _____

Page 2 of 2

CLASSIFICATION	Fit and Confidence	STAND SIZE			DISTURBANCES		
		> 1,000 x plot size	severity**	yrs ago	% of plot	description	
Hydrogeomorphic class (WETLANDS ONLY):							
□ DEPRESSION	Fit= Conf= _____	> 100 x plot size	Human				
□ IMPOUNDMENT	Fit= Conf= _____	10-100 x plot size	Natural				
□ RIVERINE	Fit= Conf= _____	3-10 x plot size	Fire				
□ SLOPE (ground water hydrology or on a physical slope)	Fit= Conf= _____	1-3 x plot size	Cut				
□ FRINGING	Fit= Conf= _____	< plot size	Animal				
□ COASTAL (specify subclass)	Fit= Conf= _____	DRAINAGE*			Other		
□ BOG (strongly, moderately, weekly ombrotrophic)	Fit= Conf= _____	Excessively drained					
** L=low, ML=med low, M=med, MH=med high, H=high, VH=very high							
Current Land Use:							
Former Land Use:							
Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):							
□ FOREST	Fit= Conf= _____	Moderately well dr.					
□ EMERGENT	Fit= Conf= _____	Somewhat poorly dr.					
□ SHRUB	Fit= Conf= _____	Very poorly dr.					
□ Impermeable surface							
MODIFIED NATURESERVE CLASS*							
CODE (on separate form):							
COMMUNITY NAME: _____							
LANDFORM TYPE*:							
□ Fresh							
□ Upland (n/a)							
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.)							

□ Upland (seldom flooded)	□ Intermittently flooded
□ Intermittently/seasonally saturated (seldom flooded)	□ Semipermanently flooded
□ Impermeable surface	□ Permanently flooded
□ Tidal/Seiche flooded daily	
□ Saltwater	□ Tidal/Seiche flooded monthly
□ Brackish	□ Tidal/Seiche flooded irregular (e.g. wind, storms)
□ Fresh	□ Temporarily flooded
□ Unknown	

(

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