

CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form

7/25/11

7/25/11

Project Label:

PCAP

Plot No: 1154

Date Sampled: 7/26/11

Lead: Dylan

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 type="radio"/> N <input checked="" type="radio"/>	
Site sketch made on 1:3000 map?	Y <input type="radio"/> N <input checked="" type="radio"/>	
Check cover page	Y <input type="radio"/> N <input checked="" type="radio"/>	
X-axis Bearing of plot recorded	Y <input type="radio"/> N <input checked="" type="radio"/>	
GPS coords. Recorded	Y <input type="radio"/> N <input checked="" type="radio"/>	
North direction recorded	Y <input type="radio"/> N <input checked="" type="radio"/>	
Photographs taken?	Y <input type="radio"/> N <input checked="" type="radio"/>	
Plot No., Date agreement on all pages?	Y <input type="radio"/> N <input checked="" type="radio"/>	
Header data completed all pages?	Y <input type="radio"/> N <input checked="" type="radio"/>	
Cover classes recorded in all intensive modules	Y <input type="radio"/> N <input checked="" type="radio"/>	
Browse Level By Species	Y <input type="radio"/> N <input checked="" type="radio"/>	
Woody stem quality control check	Y <input type="radio"/> N <input checked="" type="radio"/>	
Invasive plant quality control check	Y <input type="radio"/> N <input checked="" type="radio"/>	
Ash trees mapped	Y <input type="radio"/> N <input checked="" type="radio"/>	
Cover by Strata? (confirm cover type)	Y <input type="radio"/> N <input checked="" type="radio"/>	
Soil samples collected with matching plot #	Y <input type="radio"/> N <input checked="" type="radio"/>	
Vouchers labeled on datasheet with initials and number	Y <input type="radio"/> N <input checked="" type="radio"/>	
Vouchers labeled on collection bag	Y <input type="radio"/> N <input checked="" type="radio"/>	
Pink flags removed	Y <input type="radio"/> N <input checked="" type="radio"/>	
Data sheet QA before leaving site?	Y <input type="radio"/> N <input checked="" type="radio"/>	
Common equipment returned to tub.	Y <input type="radio"/> N <input checked="" type="radio"/>	
Data sheets scanned?	7/29/11	Enter date to left
Final data sheets scanned?		Enter date to left
Buffer Widths measured?	Y <input type="radio"/> N <input checked="" type="radio"/>	
Web Soil Survey	Y <input type="radio"/> N <input checked="" type="radio"/>	
Voucher Location	Refrigerator	Y <input type="radio"/> N <input checked="" type="radio"/>
(# vouchers collected)	Press (#)	Enter number to left
	Drier	Y <input type="radio"/> N <input checked="" type="radio"/>
	Identified	Y <input type="radio"/> N <input checked="" type="radio"/>
	Mounted	Y <input type="radio"/> N <input checked="" type="radio"/>
	Thrown away	Y <input type="radio"/> N <input checked="" type="radio"/>

~~GRIS point verification:~~ Is plot sampleable?

<input checked="" type="checkbox"/> Yes	Original GRIS point is sampleable
<input type="checkbox"/> No	Original GRIS 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:

--

C

C

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet



Project Label: PCAP

Project Name: 01/22/2014

Plot No.: 1154

Page 2 of 2

CLASSIFICATION

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

Hydrogeomorphic class (WETLANDS ONLY):

DEPRESSION

Fit = Conf =

IMPOLUNDMENT = Beaver = Human

Fit = Conf =

RIVERINE = Headwater = Mainstem = 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 VIBI 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): D

Fit = F Conf = M

COMMUNITY NAME

MIXED FOREST

STAND SIZE

Fit and Confidence

≥ 1,000 x plot size

> 100 x plot size

3-10 x plot size

1-3 x plot size

< plot size

DISTURBANCES

type*

severity**

yrs ago

% of plot

description

Human

Natural

Fire

Cut

Animal

Other

*L=low, M=med low, N=med, NH=med high, H=high, VH=very high

Current Land Use: FORELAND

Former Land Use: UNKNOWN

HYDROLOGIC REGIME*

Intermittently flooded

Intermittently/seasonally saturated

Permanently/Seasonal permanent, saturated

Occasionally flooded (<1/yr)

Temporarily flooded

Unknown

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

Some sections of Plots 1 & 3 may be

seasonally saturated (creep).

Signs of forest integrating into wet

bottom land with Fraxinus and Juglans.

Plot captures transition zone.

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet

Page 1 of 2

Project Label: PCAP

Project name: cvr 2011

Plot no. 1154

Total modules: 10

Intensive modules: 4

Plot configuration: 2x3

Plot area (ha): 0.06

Visual est. % open water entire site: 0

Visual est. % unveg. c.w. entire site: 21

Visual est. % invasives entire site: 41

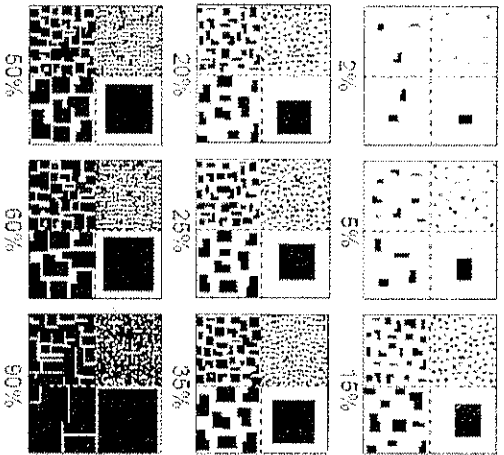


Br = Browse level. Use cover classes to describe amount of browse per species over entire plot

T	S	H	(F)	(A)	Br	Species	Voucher #	Estimate for each intensive module:	mod											
									1	2	3	4	5	6	7	8	9	10	11	12
								%open water	1	2	3	4	5	6	7	8	9	10	11	12
								%vegetated open water	1	2	3	4	5	6	7	8	9	10	11	12
								%unveg. ground (bare soil)	1	2	3	4	5	6	7	8	9	10	11	12
								%unveg. live (bare litter)	1	2	3	4	5	6	7	8	9	10	11	12
9	2					Lindera benzoin			4	10	4	3	8	4	4	9	4	3	9	4
6	2					Fraxinus americana			4	6	3	4	4	6	3	1	2	1		
	2					Arisaema triphyllum ssp. triphyllum			3	2	2	4	2	3		2	2	2	2	
	4					Alliaria petiolata			3	3	4	4	5	4	3	3	4	4	2	3
	2					Moss sp.			3	2		1	1			2	1			
	2					Symplocarpus foetidus			2	2								1	1	
	2					Silene delawareana			2	1										
						Vaccinium seedling			2											
	2					Allium tricoccum			2	2	2	4	2	3	3	2	2	4	2	2
4	2					Acer negundo			2	2		3	2	2	1	2				
	2					Circaea lotetiana			2	2		3	2	3	1	1				
	1					Actaea alba			2	2								1	1	
	1					Geum canadense			2	1										
	2					Pyrus sp.			2	1								1	1	
3	2	4				Parthenocissus quinquefolia			2	4	3	4	5	2	3	2	4	1	2	
4	1					Prunus serotina						3	4		3	1		2	1	
4	5	3				Asimina triloba						3	5	4	7	3	1	2		
	1					Polygonum virginianum			1	1		1	1							
7	2					Acer saccharum					4	6	2	5	4	4	7	4	9	4
	2					Ceanothus americanus			1	1					3	2	3	2		
	2					Viola sororia			1	1					2	1				
4	1					Ulmus rubra			1	4		2	1		2	1		4	3	
4						Fagus grandifolia			1	4		4	5							
	2					Viola pubescens						4	2							
	1					Rubus sp.						4	1							

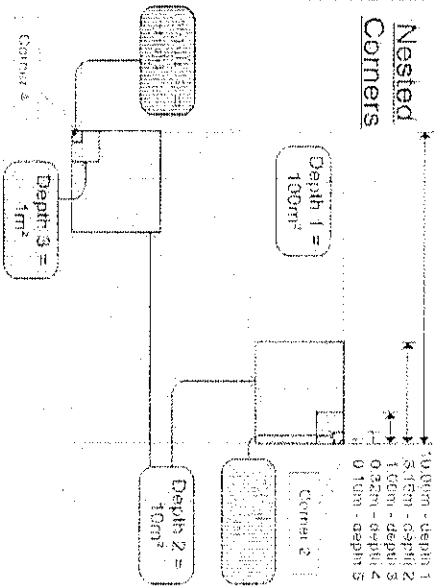
EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data different to survey. A number of quadrats, 10m², 25m², and 50m² each quadrat contains the same total area covered, but different sized objects.



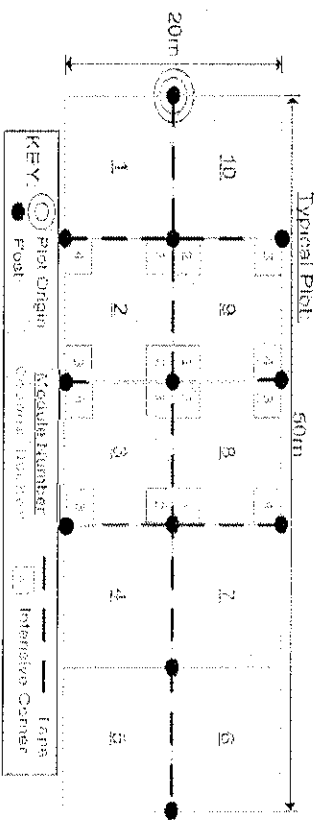
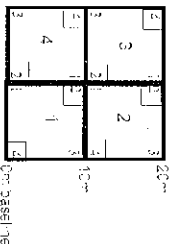
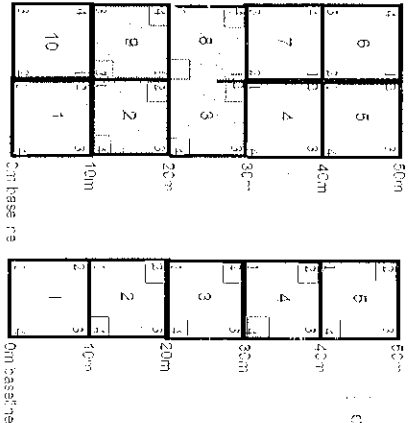
cover class	% cover	midpoint
1	0-1%	0.0001
2	1-2%	0.005
3	2-5%	0.015
4	5-10%	0.035
5	10-25%	0.075
6	25-50%	0.175
7	50-75%	0.375
8	75-95%	0.625
9	95-100%	0.850
10		0.975

Nested Corners



BROWSE RATING NARRATIVE DESCRIPTION

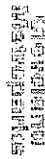
LOW OR NONE: there is no measurable browse line AND there are very few or no plants 1-m nested quadrat and intensive module. In general, low values relate to less than 10 percent, by numbers of stems browsed. **MEDIUM LOW** values include evidence of browse at about 10 percent of the stems with no significant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



Page 2 of 2

Plot area (ha): 0.06

1



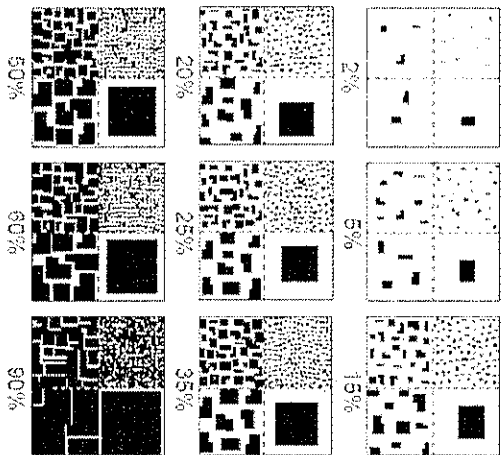
Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot.

Strata - Occ. entire plot

[illegible]

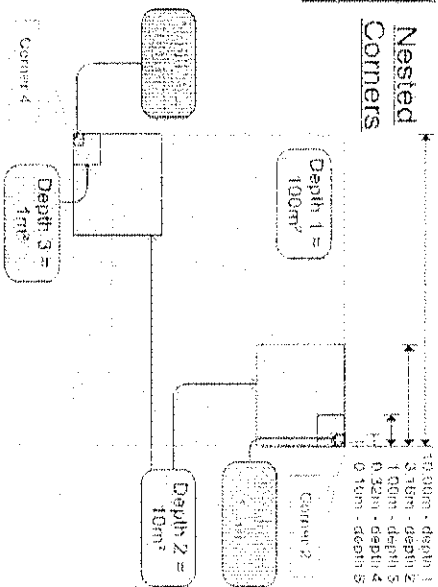
EXAMPLES OF PERCENT OF AREA COVERED

The following pictures can be used for years as reference to estimate percent of area covered. NOTE: Numbers in the box are approximate. (Numbers are given for 10m x 10m quadrat, but other sizes are possible.)



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

Nested Corners



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 of stems browsed.

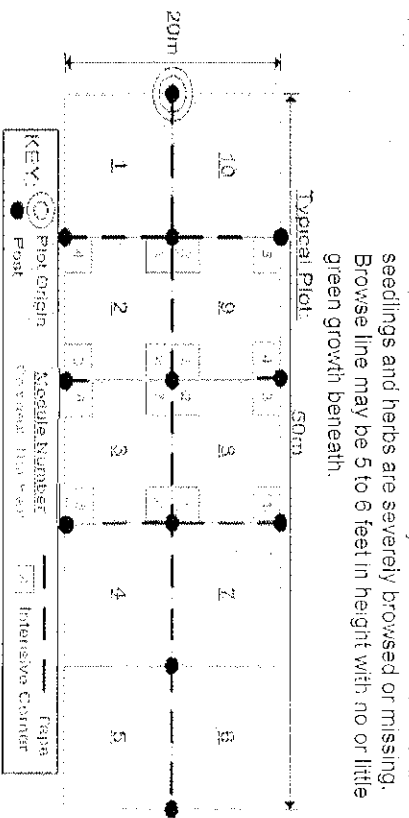
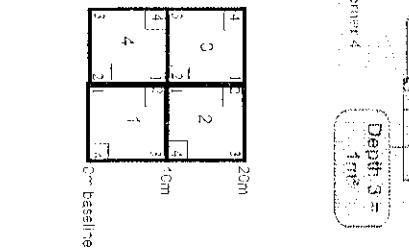
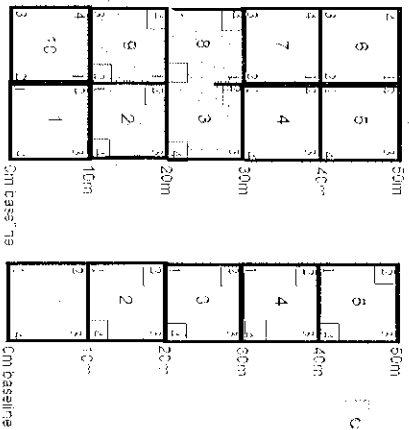
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas.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

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

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

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

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



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: D2R201

Plot No.: 1154

Page: 1 of 12

Explain subsample (additional record on back)

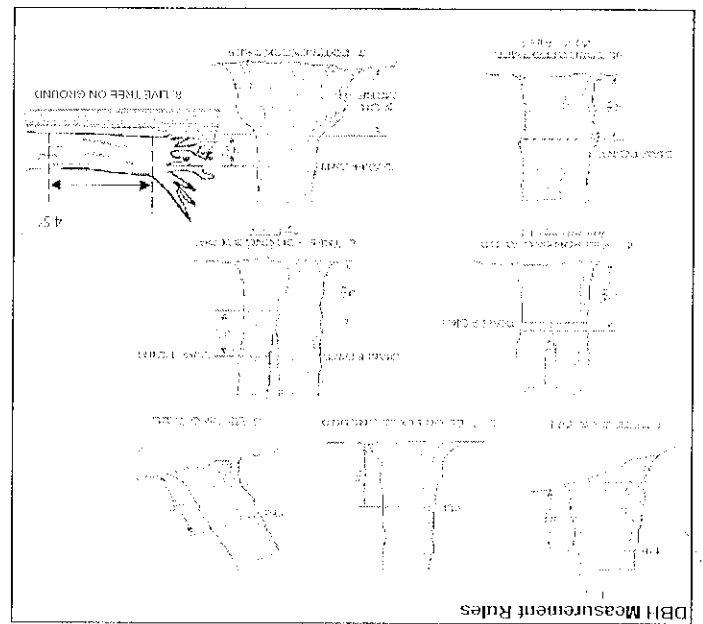
Plot #	Species	Voucher#	# stems 0.5-1m browsed	% sub or super sample	# strub clumps	size class (cm) woody stems >1m	1 0-1	2 1-2.5	3 2.5-4.5	4 4.5-10	5 10-15	6 15-20	7 20-25	8 25-30	9 30-35	10 35-40	11 >40 (record each tree)
1	Lindera benzoin			50%	27												
1	Acer saccharum																
1	Ulmus rubra																
1	Fraxinus americana																
1	standing dead																
1	Parthenocissus quin-																
1	Asimina triloba																
2	Lindera benzoin			50%	15												
2	Fraxinus americana																
2	Asimina triloba																
2	Parthenocissus quin-																
2	Fagus grandifolia																
3	Lindera benzoin			50%	11												
3	Acer saccharum																
3	standing dead																
3	Asimina triloba																
3	Parthenocissus quin-																
4	Lindera benzoin			50%	11												
4	Acer negundo																
4	Ulmus rubra																
5	Lindera benzoin			50%	13												
6	Lindera benzoin			50%	12												
6	Acer saccharum																
6	Parthenocissus quin-																

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

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.



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

01234567891011121314151617181920212223242526272829303132333435363738394041424344454647484950515253545556575859606162636465666768697071727374757677787980818283848586878889909192939495969798991001011021031041051061071081091101111121131141151161171181191201211221231241251261271281291301311321331341351361371381391401411421431441451461471481491501511521531541551561571581591601611621631641651661671681691701711721731741751761771781791801811821831841851861871881891901911921931941951961971981992002012022032042052062072082092102112122132142152162172182192202212222232242252262272282292302312322332342352362372382392402412422432442452462472482492502512522532542552562572582592602612622632642652662672682692702712722732742752762772782792802812822832842852862872882892902912922932942952962972982993003013023033043053063073083093103113123133143153163173183193203213223233243253263273283293303313323333343353363373383393403413423433443453463473483493503513523533543553563573583593603613623633643653663673683693703713723733743753763773783793803813823833843853863873883893903913923933943953963973983994004014024034044054064074084094104114124134144154164174184194204214224234244254264274284294304314324334344354364374384394404414424434444454464474484494504514524534544554564574584594604614624634644654664674684694704714724734744754764774784794804814824834844854864874884894904914924934944954964974984995005015025035045055065075085095105115125135145155165175185195205215225235245255265275285295305315325335345355365375385395405415425435445455465475485495505515525535545555565575585595605615625635645655665675685695705715725735745755765775785795805815825835845855865875885895905915925935945955965975985996006016026036046056066076086096106116126136146156166176186196206216226236246256266276286296306316326336346356366376386396406416426436446456466476486496506516526536546556566576586596606616626636646656666676686696706716726736746756766776786796806816826836846856866876886896906916926936946956966976986997007017027037047057067077087097107117127137147157167177187197207217227237247257267277287297307317327337347357367377387397407417427437447457467477487497507517527537547557567577587597607617627637647657667677687697707717727737747757767777787797807817827837847857867877887897907917927937947957967977987998008018028038048058068078088098108118128138148158168178188198208218228238248258268278288298308318328338348358368378388398408418428438448458468478488498508518528538548558568578588598608618628638648658668678688698708718728738748758768778788798808818828838848858868878888898908918928938948958968978988999009019029039049059069079089099109119129139149159169179189199209219229239249259269279289299309319329339349359369379389399409419429439449459469479489499509519529539549559569579589599609619629639649659669679689699709719729739749759769779789799809819829839849859869879889899909919929939949959969979989991000100110021003100410051006100710081009101010111012101310141015101610171018101910201021102210231024102510261027102810291030103110321033103410351036103710381039104010411042104310441045104610471048104910501051105210531054105510561057105810591060106110621063106410651066106710681069107010711072107310741075107610771078107910801081108210831084108510861087108810891090109110921093109410951096109710981099110011011102110311041105110611071108110911101111111211131114111511161117111811191120112111221123112411251126112711281129113011311132113311341135113611371138113911401141114211431144114511461147114811491150115111521153115411551156115711581159116011611162116311641165116611671168116911701171117211731174117511761177117811791180118111821183118411851186118711881189119011911192119311941195119611971198119912001201120212031204120512061207120812091210121112121213121412151216121712181219122012211222122312241225122612271228122912301231123212331234123512361237123812391240124112421243124412451246124712481249125012511252125312541255125612571258125912601261126212631264126512661267126812691270127112721273127412751276127712781279128012811282128312841285128612871288128912901291129212931294129512961297129812991300

Page: 2 of 2

2

[illegible]

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 live twigs (newly dead)
 B: Over 50% of main branches have live twigs
 C: Less than 50% of main branches have live twigs
 D: Stem still standing and tertiary main branches present
 E: Central stem still standing

A

B

C

D

E

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.

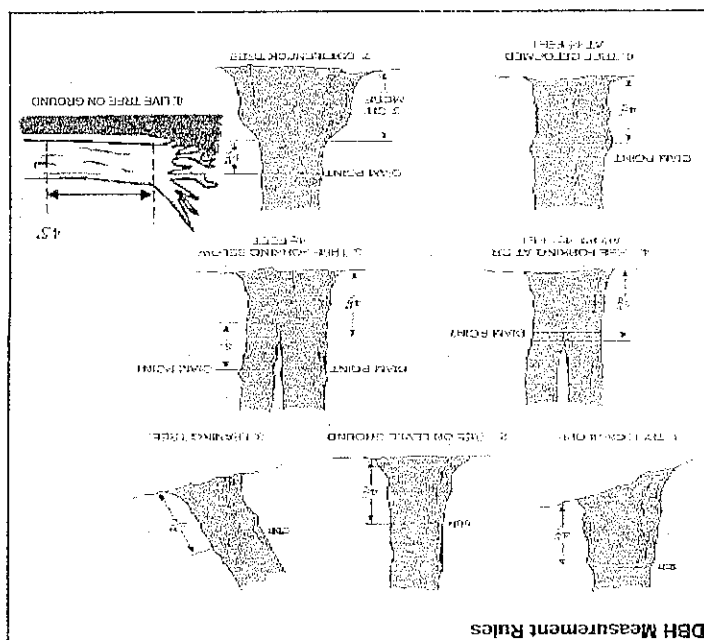
1

2

3

4

5



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

1

2

3

4

5

6

7

8

9

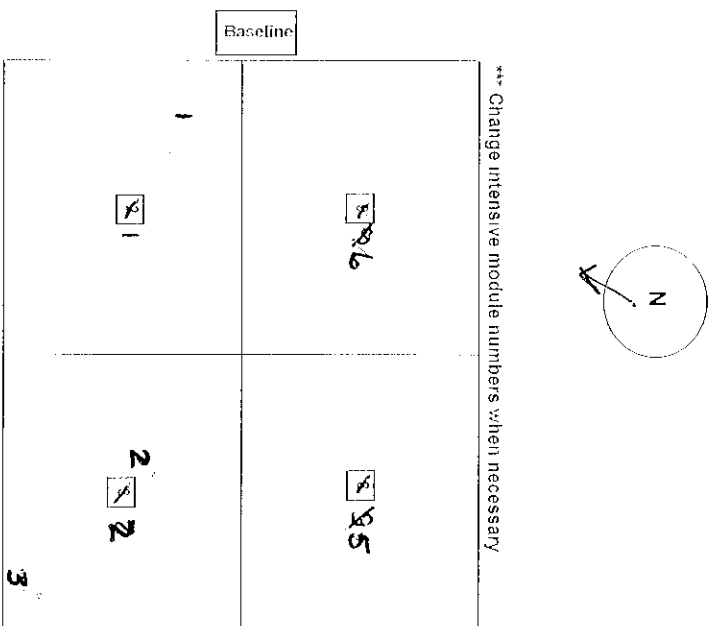
10

TREES ≥ 10 CM ONLY

Page: 1 of 2

[illegible]

* If Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m² x 21.5m
Woodpecker and epicormic marked present (1) or absent (0)



2017年12月15日 星期五

JEM 7/29/11

~~that will not~~
~~to do it at all~~

<i>Microstegium vimineum</i>	Japanese siltgrass	NE	SE	SW	NW				X: yes
									Presence

Tier 2: Assess as Needed		# of plants	comments	NE	SE	SW	NW	# of plants

5: >1,000					Bishop's Goutweed <i>Aegopodium podagraria</i> (G-cover)
4: 101-1,000					Purple Loosestrife <i>Lythrum salicaria</i> (Wetland)

[illegible]

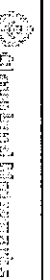
5: > 1,000	Philadelphus coronatus	Mock Orange (shrub)			
4: 101-1,000	Pachysandra terminalis (G-cover)	Japanese Pachysandra			

Alliaria petiolata		X	X	X	X		
Garlic Mustard		NW	SW	SE	NE		
							Presence
							X: yes

4bCM PCAP Invasive species datasheet.xls last revised 6/23/2011 cch

Natural Resources

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



Project label: PCAP Project Name: 01 RR 201

Plot No.: 1154

Page: 1 of 1

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

Soil pit module # 2 (one per entire plot)

5 cm	matrix color	<u>10 YR 3/2</u>
	moist color	<u>—</u>
	%mottle	<u>—</u>
	oxid roots	<u>Y</u> <u>(N)</u>
	texture*	<u>1</u>
	redox features**	<u>Y</u> <u>(N)</u>
	hydr. cond.***	<u>1</u> <u>S</u> <u>(M)</u> <u>D</u>
20 cm	matrix color	<u>10 YR 3/2</u>
	moist color	<u>—</u>
	%mottle	<u>—</u>
	oxid roots	<u>Y</u> <u>(N)</u>
	texture*	<u>1</u>
	redox features**	<u>Y</u> <u>(N)</u>
	hydr. cond.***	<u>1</u> <u>S</u> <u>(M)</u> <u>D</u>

* refer to texture classes on reverse side
 ** e.g. hydrogen sulfide odor, gleying, etc
 *** Circle one:
 S=saturated M=moist D=dry
 Notes: include evidence of earthworms (worms, castings, middens)

* Earthworms present/
 observed
 * Casting layers observed
 throughout plot
 * middens not observed

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

Soil Collection Module	Horizon (A, B, C)
<u>135^b</u> <u>135^b composted</u>	<u>A</u>
Soil Description/notes:	
Web Soil Survey Information:	
Soil Series/Type: <u>Brecksville Silt loam</u>	
Soil Series Source: <u>Ohio Soil Survey</u>	
Landform type: <u>Drainage ways</u>	
Parent Material: <u>Residuum</u> <u>unaffected from</u> <u>Shale</u>	
DRAINAGE*	
<input type="checkbox"/> Excessively drained <input type="checkbox"/> Somewhat excessively <input checked="" type="checkbox"/> Well drained <input type="checkbox"/> Moderately well dr. <input type="checkbox"/> Somewhat poorly dr. <input type="checkbox"/> Poorly dr. <input type="checkbox"/> Very poorly dr. <input type="checkbox"/> Impermeable surface	

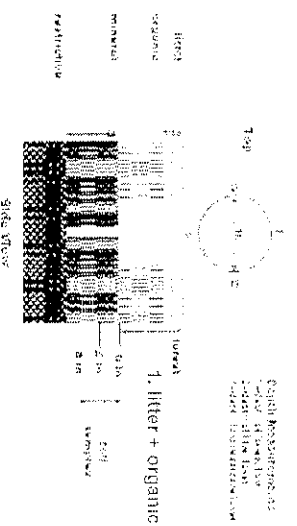
STANDING BIOMASS (required for emergent wetlands): collected in 0.1m clip plots (32x32 cm) from corners 1 and 3 in each intensive module. Required for VIBI-E score calculation. C7=check when collected

Module #	C7	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

1 liter - organic depth (cm)	2 liter depth (cm)	3 restrict. depth (cm)	water depth (cm)	sat soil depth (cm)
1 0.75	0.75	>100	0	>30
2 2.5	2.5	>100	0	>30
5 6.0	6.0	>100	0	>30
6 1.5	1.5	>100	0	>30

Length of soil probe = 125 cm
 * Use Web Soil Survey for #3 Restrictive layer dept.



* Depth to restrictive layer: 10 to 40 inches to parallel the restrictive layer

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.

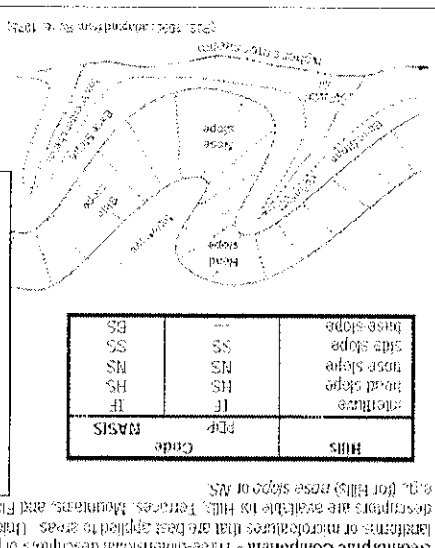
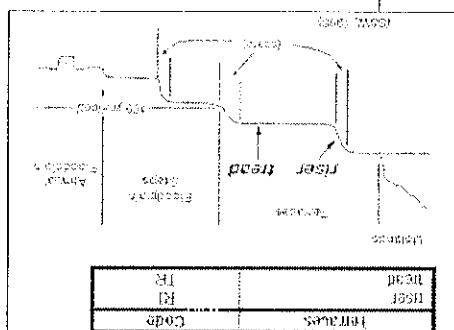
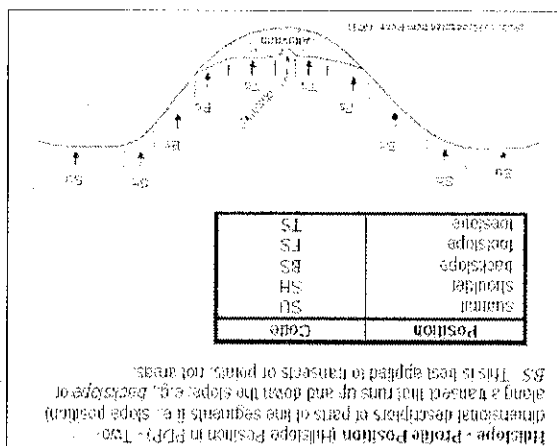
TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier.

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.

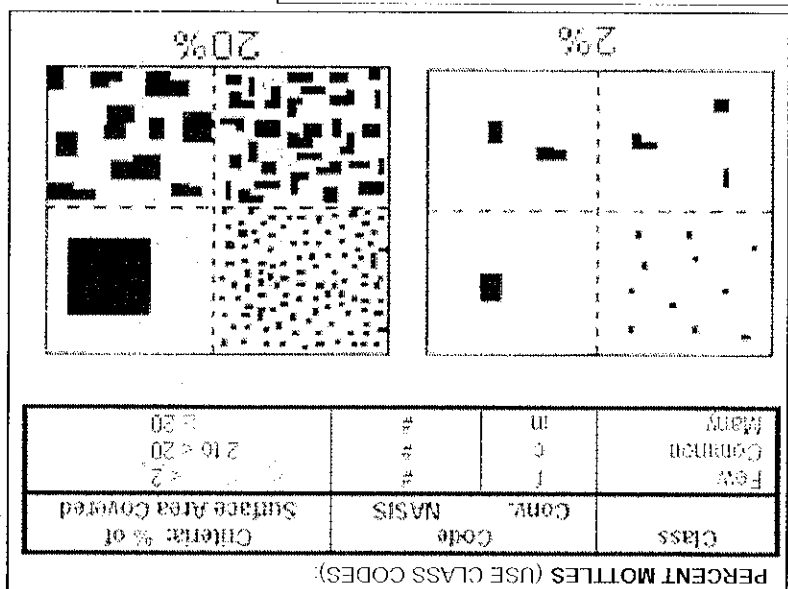
PERMANENTLY FLOODED: Water covers the land surface at all times of the year in all years. Equivalent to Cowardin's "permanently flooded".

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



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 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



EARTH SURFACE & GROUND COVER		
Underlying Earth Surface*	Ground Cover	
Shrub = 30-50%	Percent	Percent
Herbaceous	0	13
Woody Sedge	97	8
Grass/Cattail*	3	68
Boulder**	0	0
Bedrock	0	3
*Grass/Cattail = 30-50 to 100	Barren/Lichen	3
**Boulder = > 10 in	Wet	3
*> 50 cm in diameter	Soil Soil	33
< 5 cm in diameter	Road/Trail	8
	Other	

Both
Grave
Door

Slope 3 = max-in steepness that can be sustained by the system.

0 feature's absent or functionally absent (soft coarse flap)																	
3 feature's present in very small amounts or if more common, of low quality																	
7 feature's present in moderate amounts without or highest quality and/or all aspects of high quality																	
9 feature's present in massive or greater amounts and of highest quality																	
C.W.D. - count for pieces with minimum length																	
mode	cover	mosses		hummocks		depressions		C.W.D. (12-15 cm)		C.W.D. (12-15 cm)		C.W.D. (15-18 cm)		miscell.		miscell.	
		depth 3 (10-15 cm)	depth 2 (3.16-2.15 cm)	depth 1 (10-15 cm)	depth 1 (3.16-2.15 cm)	depth 1 (10-15 cm)	depth 1 (3.16-2.15 cm)	depth 1 (10-15 cm)	depth 1 (3.16-2.15 cm)	depth 1 (10-15 cm)	depth 1 (3.16-2.15 cm)	depth 1 (10-15 cm)	depth 1 (3.16-2.15 cm)	depth 1 (10-15 cm)	depth 1 (3.16-2.15 cm)	depth 1 (10-15 cm)	depth 1 (3.16-2.15 cm)
1	2.4	0	0	1	1	4	1	0	1	0	1	0	1	0	1	0	1
2	2.4	0	0	1	1	3	0	0	1	0	1	0	1	0	1	0	1
5	2.4	0	0	1	1	8	1	0	1	0	1	0	1	0	1	0	1
6	2.4	0	0	1	1	8	1	0	1	0	1	0	1	0	1	0	1

[illegible]

Type	%Cover
<input type="checkbox"/> All Purpose	
<input type="checkbox"/> Bottle	
<input type="checkbox"/> Hanging Sanitizer	
<input checked="" type="checkbox"/> Bottle Sanitizer	8
<input type="checkbox"/> Gel	

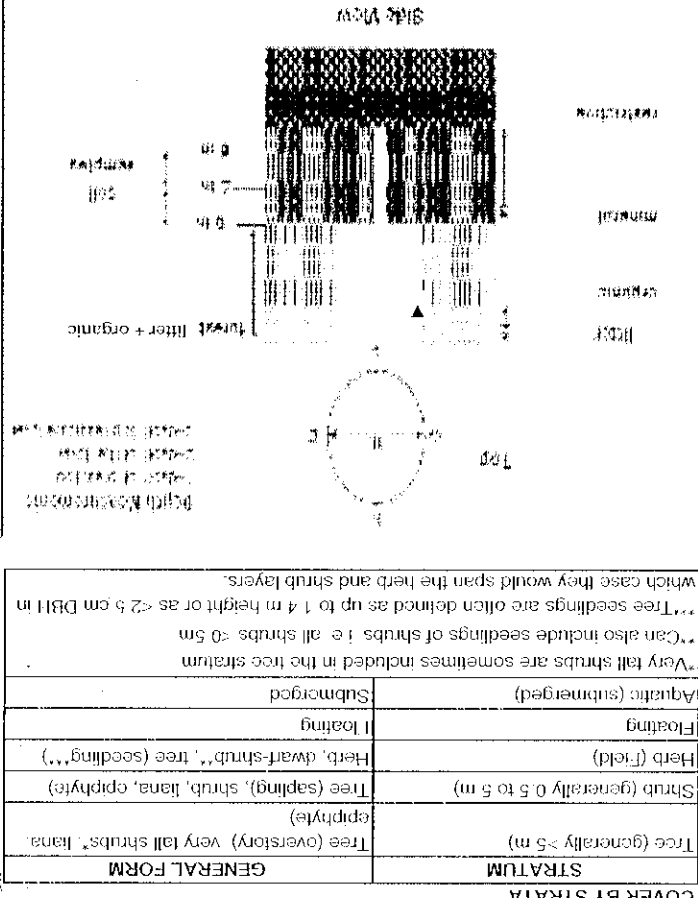
(CROWN COVER DIMENSIONETER) Measure readings per module (Acres N. S. E. W. Place dot at center of corresponding speed, 4 dots per grid square)

Media	N	S	E	W
1	6	1	3	3
2	5	1	3	6
5	1	1	2	3
6	4	1	2	0

ONLINE

	1991	1992
Acquired	R	
-17° degrees	NE	
$+50$ degrees	E	
$+157^{\circ}$ degrees	SE	
$+80$ degrees	S	
-22 degrees	SW	
-238 degrees	W	
-105 degrees	NW	

UPPER DEVONIAN		MISSISSIPPIAN		LOWER MISSISSIPPIAN	
One Strata	Greenland Member	Orthoquin sandstone	Black Sand Sandstone Member is not of this formation is not of this formation	Lagan + sandstone	Foliated sandstone
	Chert Member				
	Bedford Sand				
Devon Sandstone	Devon Sandstone	Lagan + sandstone	Lagan + sandstone	Lagan + sandstone	Lagan + sandstone
	Devon Sandstone				
	Devon Sandstone				
<p>FIGURE 3-11. Generalized section of Upper Devonian-Lower Mississippian</p> <p>and Lower Mississippian formations in western Ontario. The section is not to scale and the thickness of each member is not shown. The section is not to scale and the thickness of each member is not shown. The section is not to scale and the thickness of each member is not shown.</p>					



FORM B-1: BUFFER SAMPLE PLOTS (cont)

Reviewed by (initial):

Site ID: PCAP RR 1154

DATE: 07/26/2011

Location:

AA Center ON OS OE OW

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

Plot 1 Plot 2 Plot 3

Buffer Natural Cover Strata

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

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

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

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

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

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

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

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

2428168304

Buffer Sample Plots 05/27/2011

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

Reviewed by (initial):

Site ID: RAP RR 1154

DATE: 07/26/2011

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

Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilo					Purple Loosestrife					Johnson Grass				
Water Hyacinth					Knowweed					Kudzu				
Yellow Floating Heart					Japanese Knotweed					Multiflora Rose				
Giant Salvinia					Perennial Pepperweed					Common Buckhorn				
Garlic Mustard					Giant Reed					Himalayan Blackberry				
Poison Hemlock					Chequigrass					Smartweed				
Mile-A-Minute Weed					Reed Canary Grass					Other:				
Birdfoot Trefoil					Common Reed					Other:				
Canada Thistle					Leafy Spurge					Other:				

PLOT COORDINATES

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

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

Location of coordinates (choose one):

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

Latitude North 41.43087 Longitude West 081.84193

Use Decimal Degrees, NAD83

Flag Comments

JRM B-1: BUFFER SAMPLE PLOTS (Jnt)

Reviewed by (initial):

Site ID: PCAP RR 1154

DATE: 07/26/2011

Location:

☐ AA Center
 ☐ ON
 ☒ S
 ☐ OE
 ☐ OW

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

☐ Plot 1
 ☐ Plot 2
 ☒ Plot 3

Buffer Natural Cover Strata

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

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

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

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

Residential and Urban Stressors					Hydrology Stressors					Agricultural & Rural Stressors				
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Road - gravel	<input type="radio"/>	<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 (IMPED. 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 checked="" type="radio"/>	<input checked="" 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"/>		Impermeable Surface Input (SPILL/LEAK)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Industrial Development Stressors					Habitat/Vegetation Stressors									
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Clear Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Shrub Layer Browsed (WILD OR DOMESTIC)	<input type="radio"/>	<input checked="" type="radio"/>	<input 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 checked="" type="radio"/>	<input checked="" 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

Buffer Sample Plots 05/27/2011

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

Reviewed by (Initial): _____

Site ID: PCAP PR 1154 DATE: 07/26/2011

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

Fill bubble if present - Plot	1	2	3	Flag	PLOT COORDINATES								
					Johnson Grass	Kudzu	Mulberry Rose	Common Buckhorn	Himalayan Blackberry	Tamarisk	Other		
Eurasian Watermilfoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Water Hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Yellow Floating Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Giant Salvinia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Garlic Mustard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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"/>
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Mile-A-Minute Weed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Bristle Nettle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Leaky Spurge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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"/>

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

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

Location of coordinates (choose one):
☐ AA CENTER ☐ ON 3 ☐ OS 3 ☐ OE 3 ☐ OW 3 ☒ Nearest practicable location (flag and comment below)

Flag 2

Latitude North 41.43036 Longitude West 081.84168

Use Decimal Degrees, NAD83

Flag	Comments
1	Plot 3 lands off of park property and was not sampled
2	GPS coordinates taken at buffer plot 2 ^{nearest location to BP 3} because Buffer plot 3 was off of park property and was not sampled

JRM B-1: BUFFER SAMPLE PLOTS (cont)

Reviewed by (initial):

Site ID: PCAP RR 1154DATE: 07/26/2011

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

Industrial Development Stressors					Habitat/Vegetation Stressors									
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Forest Clear/Cut	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Herbicide Use	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2			
Gas Wells	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Forest Selective Cut	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Mowing/Shrub Cutting	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2			
Mine (surface)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Tree Plantation	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Trails	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2			
Mine (underground)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Tree Canopy Herbivory (INSECT)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2			
Military	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Shrub Layer Browsed (WILD OR DOMESTIC)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Offroad vehicle damage	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2			
Other: _____	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Highly Grazed Grasses (OVERALL > 5" HIGH)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Soil erosion (FROM WIND, WATER, OR OVERUSE)	<input checked="" type="radio"/> 0 <input checked="" type="radio"/> 1 <input checked="" type="radio"/> 2			
Other: _____	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Recently Burned Forest Canopy	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Other: _____	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2			
Other: _____	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Recently Burned Grassland (BLACKENED)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2				Other: _____	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2			

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

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

2428168304

Buffer Sample Plots - 05/27/2011

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

Reviewed by (initials):

Site ID: PCAP RE 1154 DATE: 07/26/2011

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

Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermilloil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Purple Loosestife	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Johnson Grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Water hyacinth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Knotted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Kudzu	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Yellow Floating Head	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Multiflora Rose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Giant Salvinia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Perennial Pepperweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Common Buckhorn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Garlic Mustard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Giant Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Eliminayan-Blackberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Cheagrass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Tamansk	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Birdfoot Trefoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Common Reed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Canada Thistle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Leaky Spurge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

PLOT COORDINATES

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

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

Location of coordinates (choose one):

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

Latitude North 41.43118 Longitude West 081.84060

Use Decimal Degrees; NAD83

Flag Comments

JRM B-1: BUFFER SAMPLE PLOTS, (cont)

Reviewed by (initial):

Site ID: PCAP RR 1154

DATE: 07/26/2011

Location:

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

O AA Center O N O S O E O W

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 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"/>	Leaf Type: <input type="radio"/> B <input type="radio"/> N	Flag	Buffer Plot 2	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	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
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"/>	<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 type="radio"/> 4	<input type="radio"/>	<input type="radio"/>		Big Trees (>0.3m DBH)	<input type="radio"/> 0 <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<input type="radio"/>	<input type="radio"/>	
Small Trees (<0.3m DBH)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4	<input type="radio"/>	<input type="radio"/>		Small Trees (<0.3m DBH)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4	<input type="radio"/>	<input type="radio"/>		Small Trees (<0.3m DBH)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4	<input type="radio"/>	<input type="radio"/>	
Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4	<input type="radio"/>	<input type="radio"/>		Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4	<input type="radio"/>	<input type="radio"/>		Woody Shrubs, Saplings (0.5m-5m HIGH)	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4	<input type="radio"/>	<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"/>	<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"/>	<input type="radio"/>		Woody Shrubs, Saplings (<0.5m HIGH)	<input type="radio"/> 0 <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<input type="radio"/>	<input type="radio"/>	
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	<input type="radio"/>	<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"/>	<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"/>	<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"/>	<input type="radio"/>		Bare ground	<input type="radio"/> 0 <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<input type="radio"/>	<input type="radio"/>		Bare ground	<input checked="" type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<input type="radio"/>	<input type="radio"/>	
Litter, duff	<input checked="" type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<input type="radio"/>	<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"/>	<input type="radio"/>		Litter, duff	<input type="radio"/> 0 <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4	<input type="radio"/>	<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"/>	<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"/>	<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"/>	<input type="radio"/>	
Water	<input checked="" type="radio"/> 0 <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<input type="radio"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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/GRASS FIELD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Golf Course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Fill/Spoil Banks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Fallow Field (OLD- GRASS, SHRUBS, TREES)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Lawn/Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Freshly Deposited Sediment (UNVEGETATED)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Nursery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Suburban Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil Loss/Root Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Dairy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Urban/Multifamily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Wall/Riprap	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Orchard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Landfill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Inlets, Outlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Confined Animal Feeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Dumping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Point Source/Pipe (EFFLUENT OR STORMWATER)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Rural Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Trash	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		Impervious surface input (SHEETFLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Industrial Development Stressors					Habitat/Vegetation Stressors									
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Clear/Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input 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

Buffer Sample Plots 05/27/2011

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

Reviewed by (Initial):

Site ID: PCAP 28 1154 DATE: 07/26/2011

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

Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Eurasian Watermillet					Johnson Grass					Kudzu				
Water hyacinth					Mulberry-Rose					Common Buckhorn				
Yellow Floating Heart					Himalayan Blackberry					Tamansk				
Giant Salvinia					Other: <i>Ranunculus flammula</i>					Other:				
Garlic Mustard					Other:					Other:				
Poison Hemlock					Other:					Other:				
Mile-A-Minute Weed					Other:					Other:				
Bird-foot Trefoil					Other:					Other:				
Canada Thistle					Other:					Other:				

PLOT COORDINATES

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

If Buffer Plot 3 can not be accessed, take the coordinates at the nearest practicable location of the transect. Fill in the "nearest practicable location" bubble. Fill in the flag box, and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot.

Location of coordinates (choose one):

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

Latitude North 41.43201 Longitude West 81.84209

Use Decimal Degrees; NAD83

Flag

Comments

Covers lg extent of spicubush thicket on N transect from plot 2-3

Site ID: PRAP RR 1154

DATE: 07 / 26 / 2011

Location:

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




































































































☐ AA Center ☐ N ☐ S ☐ E ☒ W

☐ 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:  1	Absent: 		Buffer Plot 2	Canopy Type:  6	Absent: 		Buffer Plot 3	Canopy Type:  7	Absent: 	
	Leaf Type:  9	Flag			Leaf Type:  9	Flag			Leaf Type:  9	Flag	
Big Trees (>0.3m DBH)	 1	 2	 3	Big Trees (>0.3m DBH)	 9	 1	 2	Big Trees (>0.3m DBH)	 9	 1	 2
Small Trees (<0.3m DBH)	 9	 1	 2	Small Trees (<0.3m DBH)	 9	 1	 2	Small Trees (<0.3m DBH)	 9	 1	 2
Woody Shrubs, Saplings (0.5m-5m HIGH)	 9	 1	 2	Woody Shrubs, Saplings (0.5m-5m HIGH)	 9	 1	 2	Woody Shrubs, Saplings (0.5m-5m HIGH)	 9	 1	 2
Woody Shrubs, Saplings (<0.5m HIGH)	 9	 1	 2	Woody Shrubs, Saplings (<0.5m HIGH)	 9	 1	 2	Woody Shrubs, Saplings (<0.5m HIGH)	 9	 1	 2
Herbs, Forbs and Grasses	 9	 1	 2	Herbs, Forbs and Grasses	 9	 1	 2	Herbs, Forbs and Grasses	 9	 1	 2
Bare ground	 9	 1	 2	Bare ground	 9	 1	 2	Bare ground	 9	 1	 2
Litter, duff	 9	 1	 2	Litter, duff	 9	 1	 2	Litter, duff	 9	 1	 2
Rock	 9	 1	 2	Rock	 9	 1	 2	Rock	 9	 1	 2
Water	 9	 1	 2	Water	 9	 1	 2	Water	 9	 1	 2
Submerged Vegetation	 9	 1	 2	Submerged Vegetation	 9	 1	 2	Submerged Vegetation	 9	 1	 2

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 (IMPERVIOUS 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 checked="" 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 checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		Impervious surface input (SNEE FLOW)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Gravel Pit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Irrigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Other: _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Industrial Development Stressors					Habitat/Vegetation Stressors									
Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag
Oil Drilling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Clear/Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Herbicide Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Gas Wells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Forest Selective Cut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Mowing/Shrub Cutting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (surface)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Plantation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mine (underground)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Tree Canopy Herbivory (INSECT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Soil Compaction (ANIMAL OR HUMAN)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Shrub Layer Browsed (WILD OR DOMESTIC)	<input checked="" type="radio"/>	<input 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 checked="" 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

Buffer Sample Plots 05/27/2011

2428168304

[illegible]

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

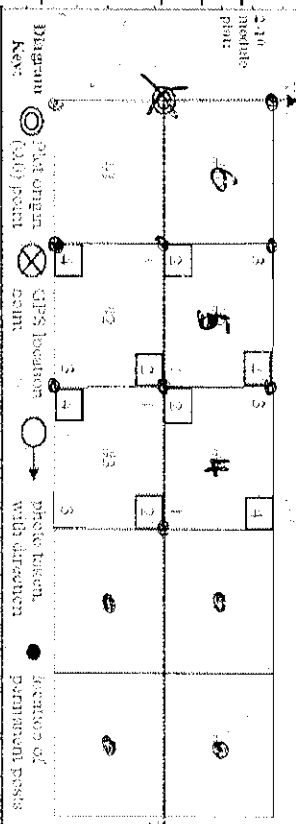
GENERAL INFORMATION	
Project Label:	PCAP
Project Name:	
Plot Name:	
Plot No.:	1154
<input type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled)	
Date (mm/dd/yyyy):	1 / 1
End date (if > 1 day):	1 / 1
Party:	Role**
	Plot leader
** Roles: Co-leader, Asst. Guide, Observer, Translocator, etc.	
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:	subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data
<input type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurrac	
TAXONOMIC ACCURACY	
	high moderate low not simpl
vascular:	n/a
bryo:	
lichen:	
TAXONOMIC STANDARD	
Authority:	G&C Pub Date: 1998

Minimum required fields in Bold and Underlined

LOCATION	
State:	OH County:
Quadrangle:	
Local Place Names:	
Landowner:	
X-axis Bearing of plot:	[316] °
Data Confidentiality:	
Check one: <input type="checkbox"/> Public data <input type="checkbox"/> Private Data <input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m	
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 = 0 y = 0 (base of plot x=0, y=0)	
Coordinate system:	
<input checked="" type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input type="checkbox"/> Other (specify)	<input type="checkbox"/> deg <input type="checkbox"/> deg min <input type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/>
Datum: <input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27	
Latitude: 41.43101	
Longitude: -81.84180	
Coord. Accuracy: 7m ± ft + - 3	
GPS File Name: 1154A	
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): 1.56	
Intensive modules: 1.56	
Camera No.: _____	
Photo Nos.: _____	

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

OVER



Plot placement: ☐ Representative ☐ GRTS ☐ Random ☐ Stratified Random
NOTES: Include Layout (any unusual shape details), Location (directions and landscape context), Rationale (why here), and Veg Characterization (description of community, dominants, strata, BROWSE). Additional notes in space on back.

Layout - 5x5 at foot of slope
 Rationale - GRTS point lands at foot of slope above wetland. Plot runs in a 5x5 along the slope to keep out of wetland and off main steep slope. Residue mounds 3 & 4 cross a wet ephemeral stream.

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 2 of 2

Plot No.:

Project Name:

PCAP

Project Label:

CLASSIFICATION		STAND SIZE		DISTURBANCES				
(FIT = excellent, good, fair, poor; CONF = high, med, low) <u>Hydrogeomorphic class (WETLANDS ONLY):</u> <input type="checkbox"/> DEPRESSION <input type="checkbox"/> IMPOUNDMENT = Beaver <input type="checkbox"/> Human <input type="checkbox"/> RIVERINE <input type="checkbox"/> Headwater <input type="checkbox"/> Mainstem <input type="checkbox"/> Channel <input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope) <input type="checkbox"/> FRINGING = Reservoir <input type="checkbox"/> Natural Lake <input type="checkbox"/> COASTAL (specify subclass) <input type="checkbox"/> BOG (strongly, moderately, weakly ombrotrophic)		Fit and Confidence		type*	severity**	yrs ago	% of plot	description
		Fit=	Conf=	Human				
		Fit=	Conf=	Natural				
		Fit=	Conf=	Fire				
		Fit=	Conf=	Cut				
		Fit=	Conf=	Animal				
		Fit=	Conf=	Other				
		Fit=	Conf=	**L=low, M=med low, M=med, MH=med high, H=high, VH=very high				
		Fit=	Conf=	Current Land Use:				
		Fit=	Conf=	Former Land Use:				
<u>Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):</u>		Fit=	Conf=	HYDROLOGIC REGIME *				
<input type="checkbox"/> FOREST <input type="checkbox"/> swamp forest <input type="checkbox"/> bog forest <input type="checkbox"/> forest seep		Fit=	Conf=	<input type="checkbox"/> Upland (seldom flooded)				
<input type="checkbox"/> EMERGENT <input type="checkbox"/> marsh <input type="checkbox"/> wet meadow <input type="checkbox"/> open bog		Fit=	Conf=	<input type="checkbox"/> Intermittently/seasonally saturated				
<input type="checkbox"/> SHRUB <input type="checkbox"/> shrub swamp <input type="checkbox"/> tall sh. bog <input type="checkbox"/> tall sh. fen		Fit=	Conf=	(seldom flooded)				
<u>MODIFIED NATURESERVE CLASS*</u>		Fit=	Conf=	<input type="checkbox"/> Permanently/Semipermanent, saturated				
CODE (on separate form):		Fit=	Conf=	(dry <1/yr, seldom flooded)				
COMMUNITY NAME:		Fit=	Conf=	<input type="checkbox"/> Occasionally flooded (<1/yr)				
		Fit=	Conf=	<input type="checkbox"/> Temporarily flooded				
		Fit=	Conf=	<input type="checkbox"/> Upland (n/a)				
		Fit=	Conf=	<input type="checkbox"/> Intermittently flooded				
		Fit=	Conf=	<input type="checkbox"/> Semipermanently flooded				
		Fit=	Conf=	<input type="checkbox"/> Permanently flooded				
		Fit=	Conf=	<input type="checkbox"/> Tidal/Seiche flooded daily				
		Fit=	Conf=	<input type="checkbox"/> Tidal/Seiche flooded monthly				
		Fit=	Conf=	<input type="checkbox"/> Tidal/Seiche flooded irregular				
		Fit=	Conf=	(e.g. wind, storms)				
		Fit=	Conf=	<input type="checkbox"/> Unknown				
LANDFORM TYPE*:								
HOMOGENEITY		Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)						
<input type="checkbox"/> Homogeneous								
<input type="checkbox"/> Compositional trend across the plot								
<input type="checkbox"/> Conspicuous inclusions								
<input type="checkbox"/> Irregular pattern mosaic								

Park at Stables off Grayton (across from master woods golf course)
and follow trail back until point B close, then cut in.

THICK spice bush getting to plot, be sure to wear eye protection

OR (the way we came back) follow bridal trail back to large field well above
Right (south) side of field to small trail in Beck (East). follow trail to base
of slope and follow slope west to plot

