CLEVELAND MET	FROPARKS Plant Community Asse	ssment Pro	gram:	: Quality Control Form Cleveland Metroparks
Project Label:	PCAP PCAP	F	lot No:	o: 1354 Date Sampled: 7/16,7/14 Lead: J. Mille
				Comment required if item answer is NO
Parking/Access outsi	de of Park Boundaries	Y	(N)	If yes, write details in Comments section below
Field journals comple	eted	Y	N	
Site sketch made on		(1)	N	
Check cover page	X-axis Bearing of plot recorded	(Y)	N	
	GPS coords. Recorded	(Ÿ)	N	·
	North direction recorded	Ø	N	
	Photographs taken?	(3)	N	
Plot No., Date agreen		V	N	
Header data complete		(Y)	N	
	d in all Intensive modules	(Y)	N	
Browse Level By Spe		(Ŷ)	N	
Woody stem quality of		3	N	
Invasive plant quality		(v)	N	
Ash trees mapped		(v)	N	
Cover by Strata? (con	firm cover type)	(V)	N	
	with matching plot #.	1	N	
	latasheet with initials and number	(7)	N	
Vouchers labeled on o		(A)	N	
Pink flags removed		(3)	N	
Data sheet QA before	leaving site?	(3)	N	
Common equipment r		8	N	
Data sheets scanned?		7/19		Enter date to left
Final data sheets scan	ned?	1	719	Enter date to left
Buffer Widths measur		(Ŷ)	N	BB 6-78-13
Web Soil Survey		(Y)	N	AB 7/19/13
Voucher Location	Refrigerator	(v)	N	THE YITE
(# vouchers collected)	Press (#)		•	Enter number to left
JAM 117 -	Drier	Y	N	Enter number to text
	Identified	Y	N	
128	Mounted	Ý	N	
	Thrown away	Y	N	
		<u> </u>	10 0000	
CDTS point verificat	ion: Is plot sampleable?			
Yes				
	Original GRTS point is sampleable			
D No	Original GRTS point lands in a non-		arca (fi	ill in category below)
	Managed mowed area (i.e. golf a		rea righ	ht. of way)
	Paved area (i.e. parkinglot, road)	course, preme	uca, mgn	u-bi-way)
	☐ Unsafe to sample (i.e. steep slope)		
	□ Other			
Additional Comments	s:			
	ol 2011 xls last revised 6/20/2011 c			

- -

equired fields in Bold and Underlined	Authority: G&C Pub Date: 1998 System	lichen Plot I	\	/ n/a	high modera. low not smpl Inten	TAXONOMIC ACCURACY Dept	□ Hurried data		Sampling Hurried plots	Effort Level: subjective evaluation of Coor	SAMPLING QUALITY* Long	□ Perm. water □ Paved □ Slope □ Safety Latitude:	PLOT NOT SAMPLED: DOther X =	** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.	Datum:	2	. Schrauf angel Woody Tech.	Lacerdon Bot. Assist.). Miller Plot leader Source	Party Role** If dai	End date (if > 1 day): 7/11/2013 Reason:	Date (mm/dd/yyyy): 7/16/2013	Level 5 (nested corners sampled) Chec	Level 4 (no nested corners sampled) Data	Plot No.: 1354 Land	LOWER SUCKIC FOOT	7	Project Name: 0 14, 2013 Quac	Project Label: PCAP State:	GENERAL INFORMATION LO	
*Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide	□ Random □ Stratified Random □ Transect component □ Systematic (grid) □ Capture specific feature □ Other	Plot placement: GRTS - Representative	C3 1443-1495		es: 2, 3, 8, 4, 5 (EDIT IF MODIFIED)		X-axis Bearing of plot: [73] °	Plot size for cover data: (hectares)	554 A	cy: pm aft +-	Longitude: W 081. 67848	N 41.20764	y=0)	GPS location in plot $x=0$ to 5, $y=-1,0,+1$):	■ NAD83/WGS84 □ NAD27	□ Other (specify) ■ m □ ft □	■ Lat/Long □ UTM □ StatePlane ■ deg □ deg min	Coordinate system: Coord. Units dom	Source of coordinates MAP GPS NOT	If data not public why?		□ Fuzz 100m □ Fuzz 250m □ Fuzz 500m	Check one: Public data Private Data	Data Confidentiality:	Landowner: (MP	Calpin Calpin	Names:	angle:	e: OH County: Vection	LOCATION	Charles and the tree control of the
	huggest treas include mature white pive, Ash, elim (white/american and much)	itser, Low	is combination moused shoulder of path and the gravel	0	Vea characteritation. Very eday - ~:			Rationale: CARTS point	TRE 600 0 1 100 100 100 100 100 100 100 100		ميون +دم	prote path. Take It for a BUSIN E and Southward	かるよ		oration: Compare Compa		Layout: 1x5 (along butle vata)	dominants, strata, BROWSE). Additional notes in space on back.	NOTES: Include Layout (any unusual shape details), Location (directions and landscape	Key: O(00) point point point with direction	3 4	#1 / #3 #4				÷ 3\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		* CATS point			lta Sneet
OVER	BH and conopy elun (white/amentan and act).	is line and come	of the grave!		5% of plat		うひろうくないと	CONTRACTOR OF THE PARTY OF THE	trainly than			and Soothwood Judges Cule	as road to Valor at	7				on observations.	tions and landscape	permanent posts	1	#5 @ total p 1/3	[Z] [Z]	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	No fin	1		(*	Page 1 of 2

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet	munity Assessment	Program - Bao	skground Da	ta Sheet				Cheroland Mulnomb
Project Label:	PCAP	Proje	Project Name: +354 01 H1 2013 Plot No.:_	10 11	1 2013	Plot No.:	1354	Page 2 of 2
MODIFIED NATURESERVE CLASS*			SIG	DISTURBANCES	SZ			
CODE (on separate form):	Fit Conf=		type*	e* severity**	yrs ago	% of plot	description	
	1		Human	_		1 6 0%	Mowing grave	el path, trans
A			Natural	al			۲. ک	
COMMUNITY NAME:			Fire					
Mixed Fovest			Cit	-	7	9		
			Animal	J J	2	100/0	Closer lorause	
HOMOGENEITY			* **	low MI=med	ow. M=med	MH=med i	**! = low M = med low M=med high. H=high. VH=very high	high
	Compositional trend across the plot	4	Curr	Current Land Use:	CMP			
clusions	mosaic		Forn	Former Land Use:	UNK			
	HYDROLOGIC REGIME*	GIME*						
	Upland (seldom flooded)	(f	□ Intermittently flooded	y flooded				
SALINITY*	□ Intermittently/seasonally saturated	y saturated	 Semiperma 	□ Semipermanently flooded	-			
a Saltwater	(seldom flooded)		 Permanently flooded 	flooded				
□ Brackish	☐ Permanently/Semipermanent. saturated	anent. saturated	n Tidal/Seich	□ Tidal/Seiche flooded daily				
o Fresh	(dry <1/yr, seldom flooded)	ded)	□ Tidal/Seich	☐ Tidal/Seiche flooded monthly	ly			
☑ Upland (n/a)	□ Occasionally flooded (<1/yr)	(1/yr)	□ Tidal/Seich	☐ Tidal/Seiche flooded irregular	ar			
	□ Temporarily flooded		(e.g. wind, storms)	storms)				
(by default unless plot is a wetland)			□ Unknown					
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.) and black and sugar maple. There is a significant amount of standing the place of the stand four (language) canopy and the stand of the stand and the standing including bucktoon and	There is a symptic condition. The standing	e stand, successional status, maturity, etc.) 1. Significant amount of standing deads- The stand (ayer was mostly Conierro, coincluding bucktnown and gartic mustand.	turity, etc.) Of shard Was mostly	ing dead britara	s- most , carya nrd.	of the	the stand, successional status, maturity, etc.) a significant amount of standing deads-most of them are probably Ash, and be showly layer was mostly Coniera, carya, Assa unlittlera and small ash, included bucktharn and garti. Musturd.	ly Ash; and small ash.
	0	1	フ					



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Project Label: Cleveland Metroparks Total modules: | S | H |(F)|(A)|Br 4 Ø (C) (S -N H Tonous L Fraxions SAA Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot Par Hunocissus Fragana Kanunculus hispidus Viola ALER SACCHURUM 14K, digt # 2 Plantago major Produce 1 Seum Sap ecrsio virginition (alyuna smigh oxicodendion radicass Asteraces Caxins Mansalvania HAK PRION DOOT emin co MANITOR drox a cum JUMICK יאון נפאא off. diest & 30 antdugo SIIVA (স Sout Lovis MOTTOWI Decty 1850 JIV 91VIGNA Sport: Florus ancolator Species officia) quingux folix (seedling SRE11-4-13 C Intensive modules: %unveg. ground (bare soil) %unvegetated open water intensive module: Estimate for each %unveg. litter (bare litter) 59-1462 C3-1462 13-1461 C3-1465 AM C3-1467 AX Project name: 0\H, 203 AM 127 3-1466,67 Voucher # 118 %open water ニ 2 工 2 2 ے 2 C depth h L. mod 1 v က w 12 W 12 ωv comer mod (FI 3 ş 12 N 3 N 0 S depth depth \overline{z} Plot configuration: _ w W r comer 8 ğ depth M D r r E ş Plot no.: 1354 4 دم 2 N T N depth depth mod C تيا N 13 S - ×5 8 ş depth 2 ₹ depth C 1 M C S 7 S C coν depth 0 2 cov | depth 8 ر ح N C 7 _ 2 10 T. Plot area (ha): 4 ğ ş depth depth Un C N S V Page 1 of 4 Og C ş 0 2 2 2 1 ∞ 7 0.05 5 mod. M comer C 8 ş depth depth 3 Z ş Ş

2aCM PCAP Species Cover Data-sheet Page 1 of X_ver 3.xls last revised 5/29/2012 ceh

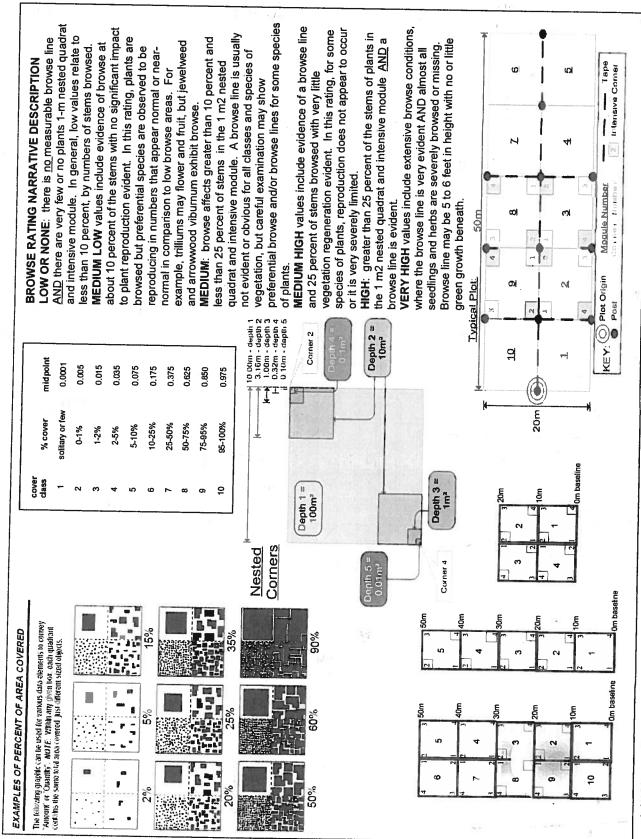
Natural Resource Management FORM NR/2010-02a

2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Strata - Cov. entire plot Cleveland Watroparks Total modules: Project Label: 9 S H (F)(A) Br দ 3 r ex 1 S יט J Allighia Prunis serotino Unoclea Mass Spp. Pinus Shabus Lysimachia Ciliato Erigaron annus July dicat 44 Primpile Asterace 2 Hypericum runchalum Lancage 3 Feety Ca describe amount of browse per species over Fraxinus Ruhus occidentalis Surveyer Poten Hila Rosa multiflora OrMus Rubus flagullains **BAND** viontous spo. OXI SO COMIGNOT POSICANY acho soc Br = Browse Level. Use cover classes to POR OF THE STATES liburium devitation 9 Florada amencans Cordiformis AS peholata Sensibilis 0 Species entire plot (myloss) o Intensive modules: %unveg. ground (bare soil) %unvegetated open water Estimate for each intensive module: %unveg. litter (bare litter) 5 AM (2) AM 122 Project name: 0 H; 2013 C3.1468,9 AM 120 Voucher # %open water 0-13 depth depth t Ľ ø. Æ 3 4 3 μ 2 F comer mod cov depth 2 -17 2 2 cov | depth (3) N W 5 N Plot configuration: ع 2 2 S 2 M S Γ comer mod COV 7 r E. Š σ 1 S Ż depth depth 00 2 _ pà 1 S comer mod Plot no .: 1354 S 2 cov | depth cov | depth S S CI 1 w 0 1 comer 9 çç 57 depth depth 토고 N C K ىر V (1) F cov depth cov | depth a Bog T 2 Plot area (ha): 0.0 § 8 6 ξÓ depth depth L (v L W Page 2 comer mod comer cov depth N W 0 cov | depth 4 E N 8 U ş σ depth depth mod M 20 çov COV

2aCM PCAP Species Cover Data sheet Page 1 of x_ver 3.xls last revised 5/29/2012 ceh

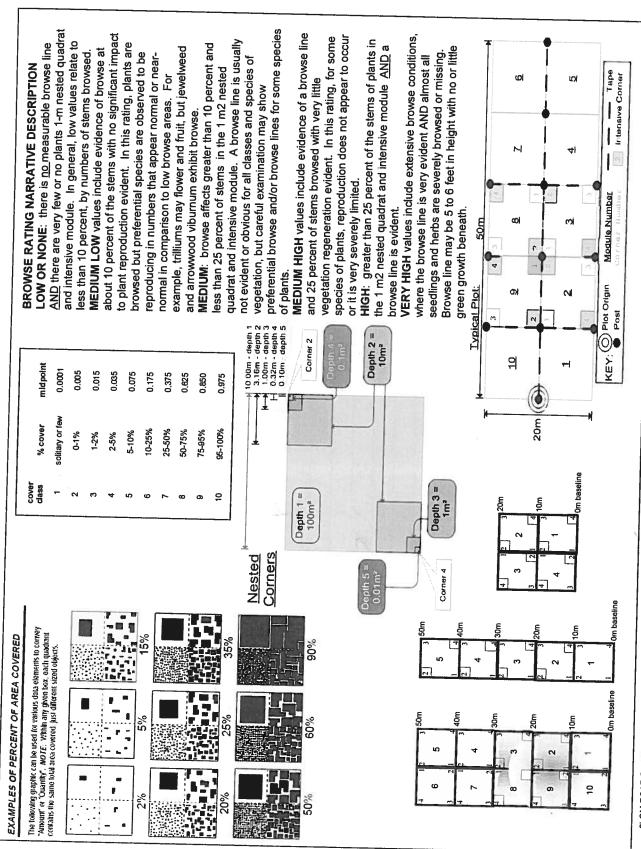
Natural Resource Management FORM NR/2010-02a



2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

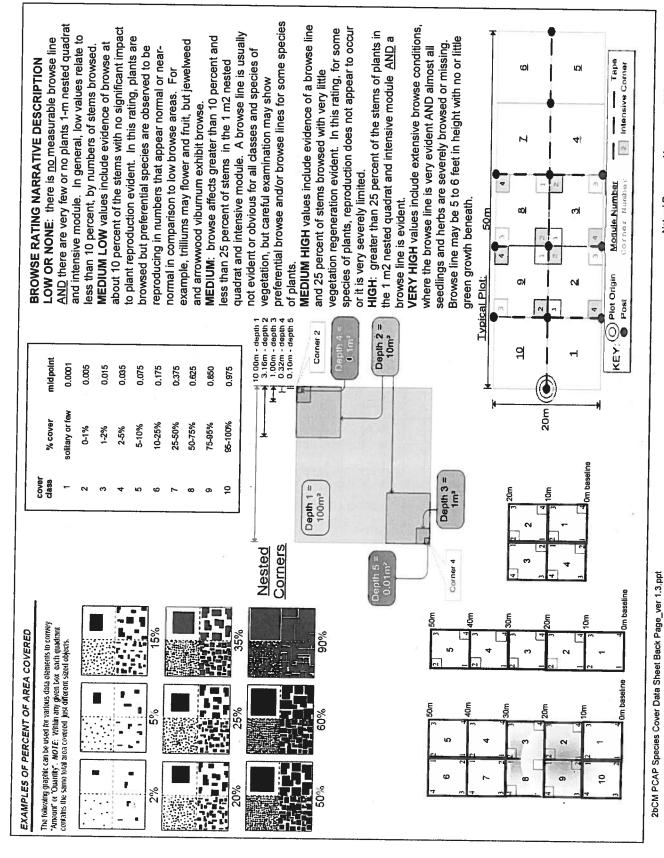
2 2 1 3	N - W	- W	<i>S</i>		7		۲۵	i argus front	mower 5		- Project 2		7-2	63	Q	2	2	Tavalle Trut	2	1	9	2	> 2	T S H (F)(A) Br	Strata - Cov. entire plot		Metvoparke		3	9		Total modules:	Project Label:	CI EVEI AND ME
Challon and Edniform			§ ?	Ribes spp	circa litetions	Hackstia virginians	Polygonum virginiarum	carex + amphibole	1	2 Christota	Cavex 2 vulpinoidee	s typin	٧.		2	(sced) no)	Z(Rhonnyus) Frangula alnus	14	Greyn cong clinse	The to #5 Principal	A con highum	2	Les Collins	Br Species	lot		entire plot	describe amount of browse per species over				5	Project Label: PCAP Project name: 0/14; 1013	ETBOBABKS Blant Community Assessed
X)AM 128								X JAM 176	M-13	X JAM 125	X 18M 124	÷				,		1		X 123	767			c Voucher#	%unveg. litter (bare litter)	%unveg. ground (bare soil)	%unvegetated open water	%open water	intensive module:	Estimate for each		Intensive modules:	Project name:	mant Dragge Chan
									3									XX			-	_	_	depth	1			_	_	2		4	011	
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2aCM PCAP Species Cover Data sheet Page 1 or x_ver 3.xis last revised 5/29/2012 ceh



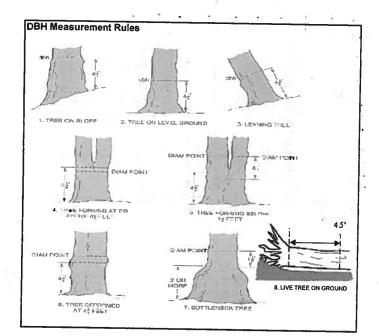
2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

							-	
Project Label:	Project Label: PCAP Project name: 01 H 3 7013	ent Program Speci. Project name:	01 H : 7013	S Plot no.:	0.: 1354		rage 1 or	7
Total modules:	5	Intensive modules:	4 Plot o	Plot configuration:	1×5	Plot area (ha):	a (ha): 0.05	56
Cleveland Metroparks	Br = Browse Level. Use cover classes to describe amount of browse per species over entire plot	Estimate for each intensive module: %open water %unvegetated open water %unveg, ground (bare soil)	mod corner mod 2 4 2 depth cov depth 1	coner mod comer n 7 3 4 7 cov depth cov d 1 1	mod comer mod coner 7 7 4 4 depth cov depth cov	corner mod corner mod 4 7 2 5 cov depth cov depth 1	omer mod comer G S Z th cov depth cov	v depth cov
T S H (F)(A) Br	r Species	c Voucher#	depth cov depth	cov depth cov i di	cov depth	cov depth cov depth	cov depth	v depth cov
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1	Mo						1 11	
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2							7 /	
-	10 Rybus pennsylvanica							
Ľ	Sulvestar (OS)	15 40 - 15 STATES					5	
2	3							2
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Somi .	us rubra Va	Drivo Risnawasd						(C)
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Natural Resources Management FORM NR/2010-02b

ž C	mmunity Assess	ment Progran	n Natural Wo	ody Stem D	ata Sheet	275		-	_	Ogieveland Metroparks
Project Label: Projec	PCAP	Project Nam	Project Name: 01 H1 d V1 J	(21)	Plot No.:	20	Page:] [e,		
The second secon	# stems	% sub #	size class (c	size class (cm) woody stems >1.4m	3 >1.4m					
mod # species c	0-1.4m voucher# browsed	or super shrub	٥	2 3 1-<2.5 2.5-<5	5-<10	5 6 10 - <15 15 - <20	7 20 - <25	8 9 25 - <30 30 - <35	10 :35 35 - <40	11 >40 (record each tree)
Standing Lead	_			震	6		9			
Paus (unoci sous aumaustica			***							
1 Acer acchain				•	•					43.5
-1 Ulmus americana		2 0								
-1 Lowicera movious.		"四篇	55							
-1 Crotacous se.										
i Quexcus rubia			•							
Travinus sp.						q				
1 Tilia americana										
2 Standing dead		•			66					
2 Conicora movious		200	•							
-2 Characaus				•				•		
2 Paramoranis guilloussoid			#.	•						
2 Fraxious Sp.						•				
2 Tilia americana				•						
-2 Course Sp.										
1 2 Cons Shorida	9 6									
3 Ulmus amenicana					•					
	•		,			•			,	
3 Conjocha monowin		Ħ								
	11		230			,				
3 Panthypoissus gunguesolia	0.0		超:							
3 Prince Sunting	P									
			:	•						,



Woody Stem Deer Browse

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

Record using the tally system from 1 to











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. Dleback: 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.



С

D

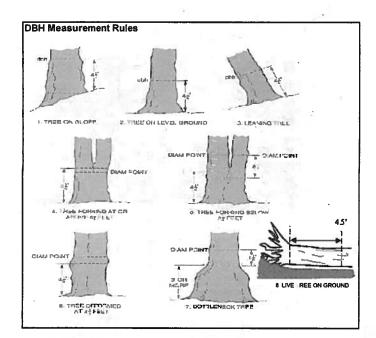
E

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Parthurocksus quarquidia Parthe no como granque fois Phonos sonting Rosa multitions Lonicera montown Rosa multitiona Frazinus so. Stand in dead Acer nigrum Explain subsample (additional room on back): Framino > pennsylvanica Standing dead Standing drad Roer Sectionary Pinus strobus Caryon 30. Cornus florida Ulmus amunama Canada Cordifornis Acex sauchanny Lonicera morrowii Prumo serotina Acer sauchann Carya Sp. Acer mainin Project Label: PCAP C31470 voucher# . ** M # stems browsed 0-1.4m or super % sub Project Name: OL Hi ZON3 献 四萬 clumps shrub size class (cm) woody stems >1.4m N • . H 0 0 4 4 . 1-<2.5 2.5-<5 Plot No.: 1354 9 5-<10 10 - <15 15 - < 20 20 - <25 Page: 2 25 - <30 30 - <35 잌 Scienciand Metroparks 35 - <40 ö 40-1 >40 (record each tree) Ξ



Woody Stem Deer Browse

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

Record using the tally system from 1 to 10













ASH CANOPY CONDITION

- 1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
- 2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
- 3. Dleback: 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.
- 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.



В

С

D

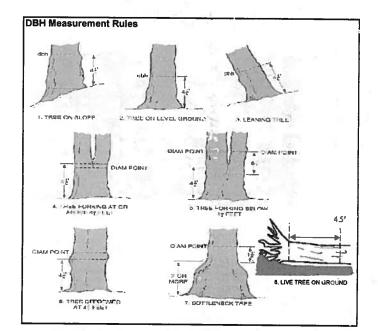
E

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 4 N Cornus flexada Fraumspensylvania Pinus survestres Ulmus amenicano Explain subsample (additional room on back): COSUL MONTH PLANT Rubous pannay vanicas Rubus alleghemens Vitis gestivals Pinus strobus Acer robour & Cratacque Sp. Project Label: __ PCAP voucher# • • . browsed 0-1.4m stems sample or super % sub Project Name: 01 Hi 2013 clumps shrub # 9 7 size class (cm) woody stems >1.4m 2 . ø 1-<2.5 ** 2.5-<5 Plot No.: 1354 5-<10 10 - <15 S 15 - <20 **6** 20 - <25 Page: 25 - <30 00 30 - <35 잌 Cleveland Metroparks 35 - <40 5 62.7,42.7 11 >40 (record each tree)



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













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.
- 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.



R

С

D

F

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.

* If Ash Condition scores 5 (dead) provide breakup score (A-E)
Count EAB exit holes 1.25m≥ x ≥1.5m
Woodpecker and epicormic marked present (1) or absent (0)

													,	Γ		И	L	W	U	W	12	1	N	12	Module
25	24	23	22	21	20	19	1 00	17	16	15	14	13	12	i≟	10	6	∞	7	6	5	4	ω	2		e ⊡ ree
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		E		L				L						L		F	<	5	<	3	5	7		3	Dead
																,	***								Voucher#
												Ŀ				17.3	16.3	מָרו	71.1	21,0	[:p]	16.1	17:5	14.4	DBH (cm)
		-						H				L		_		7	(V)	Ç,	l h	U	Λ	৸	F	U	Ht@ A
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																_		0	0	0.		_		O	Woodpecker holes
											Ва	selin	е												
				Map all ash trees ≥10cm in each module using Tree ID numbe		567		- E	<u></u>			<	\ /			<u> </u>		*** Change intensive module numbers when necessary		()		Z	K		
				susing Tree ID numb	8-	-	b	T.					\ /			/		s when necessarv							



图

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey Cleveland Metroparks Tier 1: Early detection/ Rapid response Presence **GPS** NE SE Isw NW Presence Microstegium vimineum Japanese stiltgrass X: yes Ranunculus ficaria Lesser Celandine Cynanchum louiseae (vine) Black Swallow-wort Butomus umbellatus (wetland) Flowering Rush Heracleum mantegazzianum Giant Hogweed Tier 2: Assess as Needed # of Plants comments SE SW NW NE # of Plants Acer platanoides Norway Maple 1-10 Ailanthus altissima Tree of Heaven 11-50. Lonicera japonica (vine) Japanese Honeysuckle 3: 51-100 Purple Loosestrife Lythrum salicaria (wetland) 4: 101-1,000 Aegopodium podagraria (G-cover) |Bishop's Goutweed 5: >1,000 Celastrus orbiculatus (vine) Asian Bittersweet Torilis sp. Hedgeparsley Conlum maculatum Poison Hemlock Rhamnus cathartica Common Buckthorn (shrub) Berberis thunbergii Japanese Barberry (shrub) Alnus glutinosa European Alder Dipsacus laciniatus **Cut-leaf Teasel** Elaeagnus umbellata Autumn Olive (shrub) Lonicera maackii Amur Honeysuckle (shrub) Euonymus fortunei Wintercreeper Tier 3: Presence is of Interest # of Plants comments SW NE SE NW # of Plants Convallaria majalis (G-cover) Lily of the Valley 1-10 Coronilla varia (G-cover) Crown Vetch 11-50. Eleutherococcus pentaphyllus Five-leaf Aralia (shrub) 3: 51-100 Pachysandra terminalis (G-cover) Japanese Pachysandra 4: 101-1,000 Philadelphus coronarius **Mock Orange** (shrub) 5: >1,000 Pulmonaria officinalis (G-cover) Lungwort Rubus phoenicolasius Wineberry Iris pseudacorus (wetland) Yellow Flag Iris Ornithogalum umbellatum Star of Bethlehem Viburnum opulus var. opulus European Cranberry (shrub) Viburnum plicatum Doublefile Viburnum (shrub) Tier 4: Widespread and abundant **Presence** comments NE SE SW NW # of Plants Alliaria petiolata Garlic Mustard 2 4 1-10 Ligustrum vulgare Common Privet (shrub) 2: 11-50. L. morrowii, L. tatarica **Bush Honeysuckles** (shrub) 4. 3 4 3: 51-100 Phalaris arundinacea Reed Canarygrass 4: 101-1.000 Phragmites australis (wetland) Phragmites >1,000 Polygonum cuspidatum Japanese Knotweed Frangula alnus Glossy Buckthorn (shrub) Rosa multiflora Multiflora Rose (shrub) 3 3 Typha angustifolia, T. x.glauca Cattails (wetland) Cirsium arvense Canada thistle Dipsacus fullonum Common Teasel Hesperis matronalis Dame's Rocket

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

Periwinkle

(G-cover)

Vinca minor

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. C'I-check when 10 feature is present in moderate or greater amounts and of highest quality NOTE: tussock and hummocks are counted in BOTH nested quadral corners but counts are aggregated. MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only lodule # lope 1 = slight elevational grade across module (hill) enks for microhabitat features. Select one or select two and average the score.NOTE: If mod fells on a slope automatically gets ranked based on steepness (1-3) to begin + any features present feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality teature is present in the wetland in very small amounts or if more common, of low quality feature is absent or functionally absent from the wetland depth 3 tussocks no. of 0 0 lxlm Ç O uplands (Tip-Ups) 3.16x3.16m humunocks depth 2 no. of Slope 2 = falls on slope ~20° depressions no. macro depth 1 10x10m © FOREST © swamp forest © bog forest © forest seep © EMERGENT © marsh © wet meadow © open bog Hydrogeomorphic class (WETLANDS ONLY): CLASSIFICATION □ COASTAL (specify subclass) □ SLOPE (ground water hydrology or on a physical slop) o RIVERINE o Headwater of Mainstem o Channel 🛚 IMPOUNDMENT 🗘 Beaver 🖰 Human DEPRESSION □ SHRUB ∪ shrub swamp o tall sh. bog □ tall sh. fen FII = excellent, g Fit and Confidence Thio EPA VIBI Plant Community Class (WETLANDS ONLY): FRINGING to Reservoir to Natural Lake BOG (strongly, moderately, weekly ombrotrophic) Page Sound (2-12 cm) 10x10m depth 1 c.w.d Slope 3 = maximum steepness that can be safely sampled ~45° (12-40cm) 10x10m depth 1 JR. c.w.d depth 1 >40 cm 10x10m 6.W.d um 1m length 7 F 1 F 7 至至 ₽. interspers nicrohab depth 1 10x10m Conf= Confi Conf= Conf= Conf= Conf= Conf= SLOPE microhab 10x10m (rank) O

Plot No.:

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

Project Label: PCAP Project Name: 0 H 3013

Project Name:

1354

Oleveland Metroparts Page: 1 of 1

McNAB INDICES (degrees) + for up - for down

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

+315 degrees	+270 degrees	+225 degrees	+180 degrees	+135 degrees	+90 degrees	+45 degrees	At aspect		THE OWN COME OF THE CONTRACT OF THE OWN THE CONTRACT.
N.W.	¥	SW	s	SE	e	NE I	z		101100000000000000000000000000000000000
								LFI:	
								**IST	
	away.	eye of person	recorders eye to	TSI measure	angles formed by	horizon. TSI is	LFI is angle of		1

Landform index (position within landscape)

** Terrain Shape Index (site microtopographic shape)

CROWN COVER (DENSIOMETER): Make 4 readings per module facing N. S. E. W. Place dot count in corresonding space. (4 dots per grid square)

2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,5	4 4	3	. 2	Module
	ره ره	9	9		z
200 an	0	9	15	10	s
	3	0	10	æ	(F)

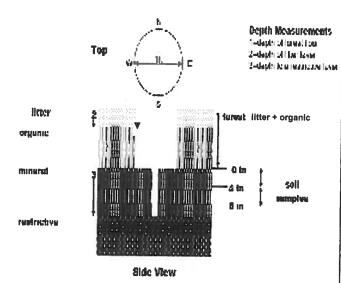
COVER BY STRATA

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

*Very tall shrubs are sometimes included in the tree stratum

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

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



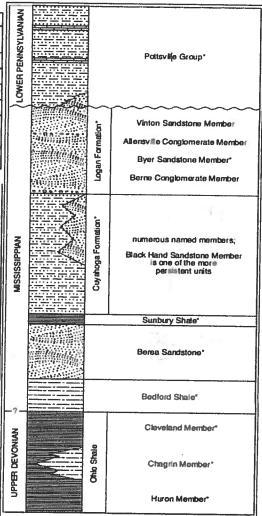


FIGURE 3-20.—Generalized section of Upper Devoman, Miniscippian, and Lover Pennsylvanian formations in northeastern Ohio Asterisks indicate units that are fessiliferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the thicknesses indicated are proportional. The term "Waverly is used in the older literature to refer to Mississippian rocks in Ohio. Some geologists use the European term "Carboniferous," which encompasses the Mississippian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member 19 a spectacular massive sandstone that is fairly underpread but discontinuous. See Hyde (1953), Hoover (1960), and Colins (1979) for more information on Mississippian rocks in Ohio. See figure 3-16 for explanation of rock types.

CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a
Project label: PCAP Project Name: 01 H; 3013
Plot No.: 1354 duy 102 * 2,3 -> Mahining *4,5-7 Elismorth 6102 - Elismorth Sile Lorn 38 C · miles silt Law - Plat 5 drawn too big, mostly falls in this (P) Gleveland Metroparter

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

** e.g. hydrogen sulfide odor, gleying, etc. 20 cm Soil pit module # 2 (one per entire plot) case Circle one: Notes: include evidence of earthworms (worms refer to texture classes on reverse side 5 cm indundated S=saturated M=moist D=dry matrix color d もう matrix color hydro. cond.*** hydr. cond *** edox features** oxid roots oxid roots mottle () imortle dox features** orthe color 10 he ottle color 5002 SMD S 3 Ø 匂 3 Ø Somewhat poorly dr. impermeable surface record as >30

□ Excessively dr. Soil Series/Type: See Abyle 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 Depth to rest. Layer: Soil Series Source: Ohio Soil Survey arent Material Web Soil Survey Information: 3.87 composited Well drained oil Collection Moduld Horizon (A. B. C) andform type: RAINAGE* Somewhat excessively 780 Moderately well dr. - EIC2 assign 5

SOIL DEPTH MEASUREMENT: Measure to the nearest 0.1 cm in center of intensive modules. If >30.5 cm, B 7/5/13

- Very poorly dr.

5	Ц	ىر	ره	mod#
0,9	1.3	0,4	1.0	l litter- organic depth (cm)
6,0	(v.)	0,4	1,0	2 litter depth (cm)
0,0	0,0	0,0	0,0	water depth (cm)
736	730	730	730	depth sat soil (cm)

one worm

		100	유					-			
**** <5 cm in diameter	*** >5 cm in diameter	**Boulder = > 10 in	Gravel-Cobble = 1/16-10	Bedrock	Boulder**	Gravel-Cobble*	Mineral Soil	Histosol	(Sum = 100%)	Underlying Earth Surface*	EARTH SURFACE & GROUND COVER
neter	eter	5	1/16-10"	070	1%	i0%	89%	0%	percent	Surface*	E & GROUN
Other	Road/Trail	Bare Soil	Water	Bryophyte- Lichen	Duff (Ferm.+ Humus)	Litter	Fine Woody Debris****	Coarse Woody Debris***	(Euch \le 100%)	Ground Cover	D COVER
	2	77	0	-	0	VASO	Ø	Ō	percent		

COVER BY STRATA estimate using midpol	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	,ex:3, 8, 13
Strata	Height Range (m)	Total Cover (%)
Tree	やメ	25 88 OF
Shrub	.5.5	78
Herb	55	78
(Floating)*	•	0
(Aquatic)*	•	\bigcirc
* rooted and fi	 rooted and floating or slightly emersed 	rsed
** submersed,	** submersed, most plant mass below surface	w surface
SEE BACK OF	SEE BACK OF PAGE FOR "TYPICAL"STRATA	DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE:

10-100 x plot size

3-10 x plot size

> 100 x plot size

>600 x plot size

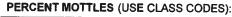
1-3 x plot size

< plot size

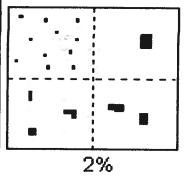
STAND SIZE

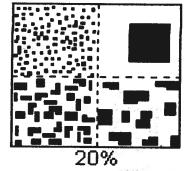
□ Deer	g Gravel	□ Bootleg unsanctioned	Hiking sanctioned	n Bridle	□ All Purpose	Туре	record type and cover for each	TRAIL INFORMATION:
	1.7					%Cover	ach	





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





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

0= Organic

1= Loamy

2= Clayey

3= Sandy

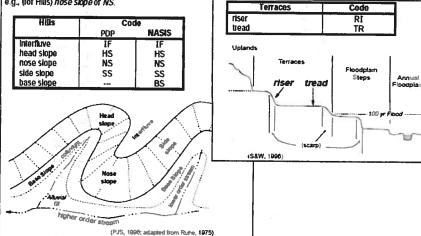
4= Coarse Sand

9= Not measured - make plot note

Position

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains:

e.g., (for Hills) nose slope or NS.



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

Code

summit shoulder backslope footslope toeslope	SU SH BS FS TS	
Su Sh Bs	Fs regrid	Sh Su
(P.O., 1996, acapted from Rune	Albaytum 1978	

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/SEMIPERMANENTLY 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

SEMIPERMANENTLY 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.

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imall Trees (<	0.3m DBH)	0	\odot	0	0			Small Trees (0	0	0	<u> </u>	<u>O</u>		Small Trees		1	<u> </u>		0	
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	5m HIGH)	0		0	0	0).5m HIGH)	0	0	①	0	0	1.0	(•	ibs, Saplings <0.5m HIGH)	0	<u> </u>		0	
Herbs, F	orbs and Grasses	0	0		0	0	,	Herbs,	Forbs and Grasses	0	0	0	0	<u>O</u>		Herbs	Forbs and, Grasses	0	<u> </u>		0	
Bare	ground	0	0		0	0		Bare	ground	0	0	0	0	0	,	Baı	e ground	0	1	0	0	
Litt	er, duff	0	0	0	0	0		Li	tter, duff	0	0	0	0	0		L	itter, duff	0	D 0	0	0	
	Rock	•	0	0	0	0			Rock	0	0	0	0	0			Rock	0	<u> </u>	0	0	,
	Water	0	0	3	0	0			Water	0	0	0	0	0			Water	0	00	0	0	
	bmerged egetation		0	0	0	0			ubmerged /egetation	0	0	0	0	0			Submerged Vegetation		<u> </u>	0	0	
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Fili bubble	If prese	ent - F	Plot	1	2	3	Flag	Fill bubble	e If prese	int - F	Plot	1	2	3	Flag	Fill bubble	if preser	nt - Pio	t 1	2	3	Flag
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Road - two	lane			0	0	0		Dike/Dam/		Bed		0	0	0		Range		Usil.	C	0	0	
Road - fou	r lane		Total	0	0	0		Water Lev	CONTRACTOR OF THE PARTY OF THE	l Stru	cture	0	0	0		Row Crops			C	0	0	
Parking Lo	t/Pavem	nent		0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel		RESTING	, C	0	0	8
Golf Cours	se			0	0	0		Fill/Spoil E	lanks			0	0	0	1	Fallow Fiel SHRUBS, TRE	d (OLD - GR	ASS,	С	0	0	
Lawn/Park				0	0	0		Freshly De		Sedim	ent	0	0	0		Nursery		with f	С	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/I	Root Expo	sure	- 10	0	0	0		Dairy			С	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	p			0	0	0		Orchard			C	0	0	
Landfill				0	0	0		Inlets, Out				0	0	0		Confined A	nimal Fee	ding	C	0	0	
Dumping				0	0	0		Point Sour (EFFLUENT (OR STORMY	VATER)	0	0	0		Rural Resid	dential		0	0	0	
Trash				0	0	0		Impervious (SHEETFLOV	V)		3/19	0	0	0	1114	Gravel Pit	F 1. 100		0	-	0	
Other:		_		0	0	0		Other:				0	0	0		Irrigation			10		0	
Other:				0	0	0		Other:				0	0	0		Other:			10	0	0	
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Oil Drilling		y h		0	0	0		Forest Clea	r Cut			0	0	0		Herbicide U	se		0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Shi	rub Cutting		②	0	0	1
Mine (surfa	ace)			0	0	0		Tree Planta	tion			0	0	0		Trails			. •	0	0	
Mine (unde	erground	1)		0	0	0		Tree Canop	y Herbivo	ory		0	0	0	٠	Soil Compa (ANIMAL OR H	ction UMAN)		0	0	0	
Military	8 48		919	0	0	0		Shrub Laye		d		•	0	0		Offroad veh		ge	0	0	0	
Other:				0	0	0		Highly Graz	ed Grass	es		0	0	0		Soil erosion OR OVERUSE		ID, WATI	R O	0	0	
Other:		7		0	0	0		Recently Bu		est		0	0	0		Other:			_ 0	0	0	
Other:				ō	0	Ŏ		Canopy Recently Bu (BLACKENED)		sslan	d	0	0	0		Other:			0	0	0	
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Fill bubble if present - Plot	1	2	3	Flag	FIII bubble if present - Plot	1	2	3	Flag	FIII bubble if present - Plot	1	2	3	Fia
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	o	_
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	•	0	0	
Glant Salvinia	0	0	0	-	Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	-
Garlic Mustard	•	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0	_
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	_
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0	_
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0	
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	_
							Tela 3			Other:	0	0	ä	_
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Flag Comments				16					-		_			
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				d			FOI	RM B-1:	BUFF	ER	SAI	MPL	E PI	LOT	S (F	ront)	Revi	ewed by	(initial)			
Site I	ID: _{	<u> Pc</u>	AF	2 4	ri	13	15								DATE	1.0	117	12	<u>O</u> .	13	<u></u>	
Location	_								Fill	in b	ubb	le(s	if p	lot(s	s) cou	ıld not be	sampled	and f	lag -	→		
OAAC	Center		N	0	S	O	€ 0	W	OF	lot '	1	0	Plot	2	OF	lot 3						
Fill in bubble Strata Section	es for all th on: Fill in a	nat app approp	ply: Ca priate d	anopy cover o	Type: class t	D = C	eciduou for eacl	s; E = Evergre	Buffer en. Leaf T er each plo	ype: B	= Br	oadlea	f; N = I	Needle	e Leaf. A	Absent: No tree oderate(10-40°	e canopy. %); 3 = Heavy (40-75%	জ ; 4=∨	ery He	eavy (>75%)
Buffer	Canop	у Тур	e: () () Al	bsen	t: O	Buffer	Canopy	у Тур	e: () () At	sent	: O	Buffer	Canopy Ty	pe: 📵	0	Ab	sent	: 0
Plot 1	Lea	f Typ	e: () (C			Flag	Plot 2	Lea	f Typ	e: (Flag	Plot 3	Leaf Ty	pe: 🔎) ()			Flag
Big Trees (>	0.3m DBH)	0		0	0	0		Big Trees (>	0.3m DBH)	0		0	0	0		Big Trees	(>0.3m DBH)		0		0	
Small Trees (<	<0.3m DBH)	0	0	0		0		Small Trees (<0.3m DBH)	0	0	0	0	•		Small Trees	(<0.3m DBH)			0	0	
Woody Shrubs	s, Saplings -5m HIGH)	0		0	0	0		Woody Shrub (0.5rr	s, Saplings -5m HIGH)	0	0		0	0			ubs, Saplings im-5m HIGH)	0	M	•	0	
Woody Shrubs	s, Saplings .5m HIGH)	0	0	•	0	0		Woody Shrub	s, Saplings 5.5m HIGH)	0	•	0	0	0			obs, Saplings <0.5m HIGH)			0	0	
	orbs and Grasses	0	0	0	0				Forbs and Grasses	0	0	•	0	0			Forbs and Grasses	0		0	0	
Bare	ground	0	0		0	0		Bare	ground	0		0	0	Ō		Bar	re ground (0	0	0	
Lit	ter, duff	Ō	Ō	0	0	0		Li	ter, duff	0	0	0	0	Ō		L	itter, duff		<u>(2)</u>	Ō		
	Rock	0		0	0	0			Rock		0	Õ	<u></u>	$\frac{\check{\circ}}{\circ}$			Rock (0	0		Ŏ	
/ **	Water	<u> </u>	0	0	0	ŏ	-		Water	0		0	<u></u>	$\frac{\circ}{\circ}$			Water (0	0	Ö	
	ubmerged		0	0	0	0			ubmerged			0	<u></u>	$\frac{\circ}{\circ}$			Submerged		0	<u></u>	<u></u>	,
	egetation					$\stackrel{\smile}{=}$	rm that		egetation	ndica	les n		-1	\subseteq	unfilled		Vegetation Cates absence	e by fill	\subseteq	$\underline{}$	\sim	<u> </u>
	dential		-						Hydrolo					u un			Agricultura	-				
Fili bubble			20.00	1	2	3	Flag	FIII bubbi		-		1	2	3	Flag		o If present -	-	1	2	3	Flag
Road - gra		-		0	0	0	1109	Ditches, C	2.50			0	0	0	5	Pasture/Ha			0	0	0	
Road - two				6	0	0		Dike/Dam/	Road/RF			6	0	0		Range	-y		0	0	0	
Road - fou				0	0	0		(IMPEDE FLC		l Stru	cture	1	0	0		Row Crops			Ö	0	ö	
Parking Le		nent		0	0	0		Excavation				0	0	0	<u> </u>	Fallow Fiel	d (RECENT-RES	TING	Ö	ŏ	ŏ	
Golf Cour				0	0	0		Fill/Spoil B			-	Ö	0	0			d (OLD - GRASS		0	0	Ö	
Lawn/Parl			0	0	0	0	y h	Freshly De	posited S	Sedin	nent	0	0	0	1 45	SHRUBS, TRE Nursery	ES)		0	ŏ	ŏ	
Suburban	-	ntial		0	0	0		Soil Loss/		osure		0	0	0		Dairy			0	ŏ	0	
Urban/Mu				0	0	O		Wall/Ripra	p			ō	0	ō		Orchard			0	ō	Ö	
Landfill				ō	0	0		Inlets, Out	lets	109		0	0	ō		Confined A	Animal Feedin	g	0	ō	0	
Dumping				0	Ö	o		Point Sour		MATER		0	0	0		Rural Resi	dential		0	0	0	
Trash			111	0	0	Ō		Impervious	surface			0	0	0	10.0	Gravel Pit	-	34.1	0	0	O	
Other:	191383			0	0	0		Other:				0	0	0		Irrigation			0	0	0	
Other:				0	Ō	O		Other:				0	0	0		Other:			0	0	이	
Indu	strial D	evel	opm	ent S	Stres	son	s						Habit	tat/V	egeta	tion Stress	sors					
Fili bubble	e If pres	ent - I	Plot	1	2	3	Flag	Fill bubble	if prese	nt - I	Piot	1	2	3	Flag	FIN bubb	le if present	- Plot	1	2	3	Flag
Oil Drilling	,			0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	Jse		0	0	0	
Gas Wells	S			0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting		0	0	0	
Mine (surf	face)			0	0	0		Tree Planta	tion	Yang.		0	0	0		Trails	an and		0	o	0	
Mine (und	eraround	d)		0	0	0		Tree Canor		ory		0	0	0		Soil Compa			0	o	0	
		,			0	0		(INSECT) Shrub Laye	r Browse	d		•	0			(ANIMAL OR H	nicle damage		0	0	0	
Military				0				(WILD OR DOI Highly Graz	MESTIC)			H					1 (FROM WIND, V	VATER,	-	-		
Other:				0	0	0		(OVERALL <3" Recently Bu	HIGH)			0	0	0		OR OVERUSE)		0	9	0	
Other:		-	_	0	0	0		Canopy Recently Bu			hr	0	0	0		Other:		_	0	0	0	
Other:				0	0	0		(BLACKENED)				0	0	0		Other:			0	0	0	
	lag codes uffer Sar					Exp	e, U = S lain ail 1	uspect meas lags in comm	urement., ient sectio	F1,F2	2, etc. the b	= mis	c. flag this fo	s ass orm	igned b	y each field c	rew.	242	8168	304	K	D

Site ID:	P	CA	-P	471	354	DAT	E: _	0_	<u></u>	Reviewed b				
Confirm	a fille	ed da	ıta bı	ubble ii	ndicates presence and an unf	illed	bubb	le inc	dicates	absence by filling in this bub	ble			
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	Fla
Eurasian Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0	Fla
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0		0	-
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose		0		
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0	-
Garlic Mustard	•	•	•		Giant Reed	0	0	0		Himalayan Blackberry	0	0		
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	0	
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:		_	_	
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	00	0	의	_
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	-	0	의	_
							<u> </u>			Other:	0	0	의	_
					PLOT COORD	INIA				Other.	0	0	0	
Buffer Plot 3 can not be accelors are centered on the Buffag box, and describe where the ither placed as close to the control of coordinates of AA CENTER N3	essed fer Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	local ition dection acces	ion A of the o belo sible	LONG trans w. Th Buffe	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important bit in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe	er in th e
Buffer Plot 3 can not be acceptors are centered on the Buffing box, and describe where the cither placed as close to the contact of the conta	essed fer Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important b in the *nearest practicable loca dinates of the nearest practicabl	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e
Buffer Plot 3 can not be accelots are centered on the Buff ag box, and describe where the describer placed as close to the control of coordinates of AA CENTER N3	essed fer Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e
Buffer Plot 3 can not be accelots are centered on the Buffag box, and describe where to either placed as close to the control of coordinates. O AA CENTER N3 Latitude N	essed fer Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e
f Buffer Plot 3 can not be accolots are centered on the Buff ag box, and describe where to either placed as close to the coloration of coordinates: O AA CENTER N3 Latitude N	essed fer Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e
f Buffer Plot 3 can not be accolots are centered on the Buff ag box, and describe where to either placed as close to the coloration of coordinates: O AA CENTER N3 Latitude N	essed er Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e
f Buffer Plot 3 can not be accolots are centered on the Buff ag box, and describe where to either placed as close to the coloration of coordinates: O AA CENTER N3 Latitude N	essed er Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e
f Buffer Plot 3 can not be accolots are centered on the Buff ag box, and describe where to either placed as close to the coloration of coordinates: O AA CENTER N3 Latitude N	essed er Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e
f Buffer Plot 3 can not be accolots are centered on the Buff ag box, and describe where to either placed as close to the coloration of coordinates: O AA CENTER N3 Latitude N	essed er Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the local aken and why in the comment shible or at the center of the last of th	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e
f Buffer Plot 3 can not be accolots are centered on the Buff ag box, and describe where to either placed as close to the coloration of coordinates: O AA CENTER N3 Latitude N	essed er Tra he co enter s (ch	d, tak ansectording of Places	e the cts an ates lot 3	e coording the cowere tags possesse):	nates at the nearest practicable coordinates will indicate the locate and why in the comment stible or at the center of the last of the la	localition dection acces	ion A of the obelo sible	LONG trans w. Th Buffe cation	G THE ect. Fill the coordinate Plot.	TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below)	ecaus tion" I e loca	se all	Buffe e, fill can b	er in th e

				_																		
							FOF	RM B-1:	BUFF	ER	SA	IPL	E PI	LOT	S (F	ront)	Rev	lewed by	(initial)	:	- (
Site I	D: P	CA	e	Hi	133	54									DATE	:0.7	117	12	<u>٥.</u>	13	3_	
Location									FIII	in b	ubb	le(s)	lf p	lot(s	s) cou	ıld not be	sampled	and f	ag -	→		
OAAC	enter	0	N	0	S	0	€ 0	W		lot '	100		Plot			Plot 3						
Fiii la bubbie	e for all th	at ann	alv: Ca	nonv '	Tvne:	D = L)eciduou		Buffer							Absent: No tre	e canopy.					
Strata Section	on: Fili in a	pprop	riate d	cover	iass t	oubbie	e for eacl	n strata type f	or each pio	t. 0 = /	Absen	it; 1 = \$	Sparse	(<10%	6); 2=M	oderate(10-40	%); 3 = Heavy	(40-75%)	; 4 = V	ery He	avy (>75%)
Buffer	Canopy	/ Тур	e: 🏈) (Al	osen	t: O	Buffer	Canopy	у Тур	e: 🌘	() At	sent	: O	Buffer	Canopy Ty	/pe: 🕖	0	Ab	sent	: O
Plot 1	10000	Тур	e: () (Flag	Plot 2	Lea	f Typ	e: 🌘) <u>C</u>		_	Flag	Plot 3	Leaf Ty	/pe: 🥙	0			Flag
Big Trees (>	0.3m DBH)	0		0	0	0		Big Trees (>0.3m DBH)	0	Θ		<u> </u>	0		Big Trees	(>0.3m DBH)	<u>)</u>	0	9	의	
mall Trees (<		0	0	0		0		Small Trees			0	0	0	9			(<0.3m DBH)		0	9	9	
 _	5m HIGH)	0	0	0	0	(4)			n-5m HIGH)	0	0	(4)	<u> </u>	<u>O</u>		(0.5	ubs, Saplings 5m-5m HIGH)	- (Q	9	<u> </u>	
	5m HIGH)	0	0	0	0	9			0.5m HIGH)	0	0	0	9	<u>o</u>		(-	obs, Saplings <0.5m HIGH)	-	9	<u> </u>	<u> </u>	
	orbs and Grasses	0	9	X	0	0		Herbs,	Forbs and Grasses	0	0	0	0	<u>O</u>		Herbs	Forbs and Grasses	+ -	0	9	9	
Bare	ground		0	0	0	0		Bar	e ground		0	0	0	<u>O</u>		Ba	re ground		0	0	<u> </u>	
Litt	ter, duff	0	0	0	0	•		L	itter, duff	0	0	0	0	•		L	itter, duff	1 -	0	0	0	
	Rock		0	0	0	0			Rock		0	0	0	<u>O</u>			Rock		0	<u> </u>	<u> </u>	
	Water		0	0	0	0			Water	9	0	0	0	<u>O</u>			Water		0	0	0	
	ibmerged egetation		0	0	0	0			ubmerged /egetation	9	0	0	0	<u>O</u>			Submerged Vegetation		0	0	<u> </u>	
Stress	or Pres	ence	e/Ab	send	e - 6	Confi	irm that	a filled data	bubble in	ndica	tes p	resen	ce an	d an	unfilled	bubble Indi	cates absend	e by fill	ing thi	s but	ble.	0
Resi	dential	and	Urb	an S	tres	sors			Hydrolo	gy S	tres	sors					Agricultura	al & Ru	ral S	tres	sors	
Fill bubble	If prese	ent - I	Plot	1	2	3	Flag	Fill bubbl	e if prese	nt - i	Plot	1	2	3	Flag	Fill bubble	e if present	Plot	1	2	3	Flag
Road - gra	vel	- 12-11	HERE E	0	0	0		Ditches, C				0	0	0		Pasture/Ha	Эу		0	0	0	
Road - two	lane			0	0	0		Dike/Dam (IMPEDE FLO		Red		0	0	0		Range			0	0	0	,
Road - fou	-			0	0	0		Water Lev			cture	1	0	0		Row Crops	d (RECENT-RE	OTING.	0	0	0	
Parking Lo		ent		0	0	0		Excavatio		ng	2000	10	0	0		ROW CROP FIE			0	0	의	
Golf Cours			H o	0	0	0		Fill/Spoil 6		Sedin	nent	10	9	0		SHRUBS, TRI		,	0	0	0	
Lawn/Park Suburban		tiel		0	0	0		(UNVEGETA Soil Loss/	TED)	301		0	0	00		Nursery			0	0	0	
Urban/Mul		uar		10	0	읝		Wall/Ripra			-	0	0	0		Orchard	0.00		0	0	S	
Landfill	Mariny		153	0	0	6	-	Inlets, Ou				0	0	0			Animal Feedi	ng	ŏ	0	Ö	
Dumping			-	0	0	0		Point Sou (EFFLUENT	rce/Pipe	MATEC	2)	o	0	O		Rural Resi		2 2 2 2 2	Ŏ	0	Ö	
Trash				0	0	ō		Imperviou (SHEETFLO	s surface	inpul		0	0	0		Gravel Pit			0	0	o	
Other:				0	O	O		Other:		-		0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other: P	up plante	4	0	0	0	
Indu	strial D	evel	opm	ent s	Stres	ssor	S						Habit	tat/V	egeta	tion Stres	sors	0				
Fill bubble	o if prese	ent -	Plot	1	2	3	Flag	Fill bubble	e If prese	nt - 1	Piot	1	2	3	Fiag	Fill bubt	ole if present	t - Plot	1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	ar Cut	- 200		0	0	0		Herbicide (Jse		0	0	0	
Gas Wells				0	0	0		Forest Sele				0	0	0		Mowing/Sh	rub Cutting		0	0	0	
Mine (surf	ace)			0	0	0		Tree Planta	ation			0	0	0		Trails	HI III SEA		0	0	0	
Mine (und	erground	1)		0	0	0		Tree Cano		ory		0	0	0		Soil Compa	action		0	0	0	
Military			-	0	0	0		Shrub Laye		d		6	•	6			nicle damage		0	0	0	
Other:				0	0	0		(WILD OR DO Highly Gra	zed Grass	ses		0	0	0		Soil erosion	n (FROM WIND,		0	0	0	
Other:			=	0	0	0	-	(OVERALL <3 Recently B		rest		0	0	0		OR OVERUSE Other:)		0	0	0	
_	- 12 E			200				Canopy Recently B		assla	nd	0	0	0		Other:		-	0	0	0	
Other:	ad codes	K=	No me	O	O	mad	e. U = S	(BLACKENED		F1.F3	2, etc.				igned b	y each field o	rew.					
	uffer Sar					Exc	iain ail 1	lags in com	ment section	on on	the b	ack of	this fo	ım			-	242	8168	304	į.	

	Site ID:	17	AP	\mathcal{H} .	13:	54	DAT	TE:	U.	71	1.712.0.15		
	Confirm	a fili	ed da	ata b	ubble i			-	_	_	absence by filling in this bub	hla	_
FIII bubb	le if present - Plot		2	3		Fill bubble if present - Plot	_	2	3	Flag	Fill bubble if present - Plot	_	2
Eurasian	Watermilfoil	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	+-	+
Water hy	vacinth	0	0	0		Knotweed	0	0	0	-	Kudzu	0	0
Yellow Fl	loating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	9
Giant Sa	lvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	10
Garlic Mu	ustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0
Poison H	emlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	1
Mile-A-Mi	inute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0
Birdsfoot	Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0
Canada T	histle	0	0	0		Leafy Spurge	0	0	0		Other:	0	
							700	10			Other:	0	0
						PLOT COORE	NAIC	TEC					U
lag box, a lither plac	ed as close to the con of coordinates	the contents (ch	oordir of P	nates lot 3	were tras possible):	oken and why in the comment shible or at the center of the last O W3 O Nearest prac	section	ssible	Buffe	ne coor er Plot.	and comment below)	ation" le loc	bub
lag box, a either plac	nd describe where ted as close to the conformate. CENTER O N3	the contents (ch	oordir of P	nates lot 3	were tras possible):	oken and why in the comment shible or at the center of the last O W3 O Nearest prac	ection	ssible lo	cation	ne coor er Plot.	in the "nearest practicable loca dinates of the nearest practicab	ation" le loc	bubl
lag box, a either plac	nd describe where ted as close to the conformate. CENTER O N3	the contents (ch	oordir of P	nates lot 3	were tras possible):	o W3 O Nearest prac	ection	ssible lo	cation	ne coor er Plot.	and comment below)	ation" le loc	bubl
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Site I	D: <u></u>	PCA	49	H	13	S	<u> </u>								DATE	5.7	117	12	0.	(]	ئے	
Location	on:							roj, jedna	Fill	In b	ubb	le(s)	if p	lot(s	s) cou	ild not be	sample	and	flag ·	→		
OAAC	enter	0	N	•	S	OE	0	W	OP	lot 1	1	01	Plot	2	OF	Plot 3						
Fiii in bubble Strata S ectio	s for all th on: Fill in a	at app	iy: Ca riate c	nopy 1 over c	Гуре: :lass b	D = D oubbie	eciduou: for eacl	s: E = Everare	Buffer en. Leaf T or each piot	vpe: 8	B = Br	oadlea	f; N = 1	Needie	e Leaf. A	Absent: No tree oderate(10-40	e canopy. %); 3 = Heavy	/ (40-75 ⁶	%); 4 = \	ery H	eavy (>75%)
Buffer	Canopy	/ Тур	e: 🕞	<u>(</u>) At	sen	: •	Buffer	Canopy	/ Typ	e: () () At	sent	: 🔵	Buffer	Canopy 1	Type: (<u> </u>) Ab	sent	•
Plot 1	Lea	f Typ	e: (b)) (Flag	Plot 2	Lea	f Тур	e: () ©			Flag	Plot 3	Leaf 7	ype: (D C)		Flag
Big Trees (>	0.3m D BH)		0	0	0	0		Big Trees (•0.3m DBH)	•	0	0	0	0		Big Trees	(>0.3m DBH)		0	0	0	
maii Trees (<	0.3m DBH)		0	0	0	0		Smail Trees (<0.3m DBH)		0	0	0	0		Small Trees	(<0.3m DBH)		0	0	0	
Woody Shrubs (0.5m-	, Saplings 5m HIGH)		0	0	0	0		Woody Shrub (0.5m	s, Saplings 1-5m HIGH)		0	0	0	0			ibs, Saptings m-5m HIGH)			0	0	
Woody Shrubs (<0.	, Saplings 5m HIGH)		0	0	0	0		Woody Shrub	s, Saplings).5m HIGH)		0	0	0	0		Woody Shru (<	bs, Saplings :0.5m HIGH)			0	0	
	orbs and Grasses	0	0	0	0			Herbs,	Forbs and Grasses	0	0	0	0			Herbs,	Forbs and Grasses	0	0	0	•	
Bare	ground	0		0	0	0		Bare	ground	0		0	0	0		Bar		0	0	0	0	ì
Litt	er, duff	0		0	0	0		Li	tter, duff	0		0	0	0		L	itter, duff (O	0	0	0	
	Rock		0	0	0	0			Rock	•	0	0	0	0		*	Rock (0	0	0	-
	Water		Ō	0	0	0			Water	•	0	0	0	Ō			Water			0	0	
	bmerged egetation	•	0	0	<u>(1)</u>	0			ubmerged /egetation	0	0	0	0	$\overline{\odot}$			Submerged Vegetation			0	0	
		ence	e/Abs	senc	æ - (rm that		<u> </u>	ndica	tes p	resen	ce an	d an	unfilled	bubble indi		ce by f	illing th	is bub	ble.	•
Resi	dential	and	Urba	ın Si	tress	sors			Hydrolo	gy S	tres	sors				an gadi	Agricultu	ral & F	Rural S	itres	sors	
FIII bubble	if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	e if prese	ent - F	Plot	1	2	3	Flag	Fill bubble	if present	- Plot	1	2	3	Flag
Road - gra	vel		Will.	0	0	0		Ditches, C	hanneliza	ation		0	0	0		Pasture/Ha	у		0	0	0	
Road - two	lane		74.6	0	0	0		Dike/Dam/		Bed		0	0	0		Range			0	0	0	
Road - fou	ır lane		1 87	0	0	0		Water Lev		Stru	cture	0	0	0		Row Crops		H rf87	0	0	0	
Parking Lo	t/Pavem	nent	m	0	0	0		Excavation	n, Dredgir	ng		0	0	0		Fallow Fiel	d (RECENT-RI	ESTING	0	0	0	
Golf Cours	e	us f		0	0	0		Fill/Spoil E	Banks			0	0	0		Fallow Fiel SHRUBS, TRE	d (OLD - GRAS	SS,	0	0	0	
Lawn/Park	115			0	0	0	ır II	Freshly De		Sedin	nent	0	0	0	(9)	Nursery	(No. 15. in	MJ.	0	0	0	
Suburban	Residen	tial		0	0	0		Soil Loss/	Root Expo	osure		0	0	0		Dairy			0	0	0	
Urban/Mul	tifamily			0	0	0		Wall/Ripra	р			0	0	0		Orchard			0	0	0	
Landfill	1			0	0	0		Inlets, Out				0	0	0			nimal Feed	ling	0	0	이	
Dumping				0	0	0		Point Sour (EFFLUENT C Impervious	OR STORMV	VATER	(3)	0	0	0		Rural Resi	dential	74	0	0	0	
Trash				0	0	0		(SHEETFLOV		Input		0	0	0		Gravel Pit			0	0	0	
Other:				0	0	0		Other:				0	0	0		Irrigation			0	0	0	
Other:				0	0	0		Other:				0	0	0		Other:			0	0	0	
Indu	strial De	evel	opme	ent S	tres	sor	3		Hereis			ا	Habit	tat/V	egeta	tion Stress	sors					
Fili bubble	if prese	ent - I	Plot	1	2	3	Flag	Fili bubble	if prese	nt - F	Piot	1	2	3	Flag	Fili bubb	le if preser	nt - Pio	t 1	2	3	Flag
Oil Drilling				0	0	0		Forest Clea	r Cut			0	0	0		Herbicide L	lse .		0	0	0	
Gas Wells				0	0	0		Forest Sele	ctive Cut			0	0	0		Mowing/Sh	rub Cutting		0	0	0	
Mine (surfa	ace)			0	0	0		Tree Planta	ition			0	0	0		Trails			0	0	0	
Mine (und	erground	i)		0	0	0		Tree Canor	y Herbivo	ory		0	0	0		Soil Compa (ANIMAL OR H			0	0	0	
Military				0	0	0		Shrub Laye		d		0	0	0			nicle damag	е	0	0	0	
Other:				0	0	0		Highly Graz	ed Grass	es		0	0	0		Soil erosion OR OVERUSE		, WATER	0	0	0	
Other:				0	0	0		Recently Bo		est		0	0	0		Other:			0	0	0	
Other:				0	0	0	,	Recently Bo (BLACKENED)		asslar	nd	0	0	0		Other:			0	0	0	
	ag codes:	K=1	No me			made	, U = S	uspect meas	urement.,	F1,F2	2, etc.	= mis	c. flag	s ass	igned b	y each fleid c	rew.	24	28168			
В	uffer San	nple l	Plots	05	/27/2	Exp 2011	lain ali f	lags in comn	nent section	on on	the b	ack of	this fo	orm			off views	24	_0100			

	Site ID:	P	CA	8 +	til	354	DA	ΓE:	ð	7.1.	1.7/2013			
			_		-						absence by filling in this bub	hla		
Fill but	ble if present - Plot	1	2	3	1	Fill bubble if present - Plot	T	2	3	Flag		_	Τ.	Т
Eurasia	an Watermilfoil	0	0	0		Purple Loosestrife	0	0	0	riag	Johnson Grass	-	2	+
Water	hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	+
Yellow	Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	+
Glant S	alvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0		÷
Garlic N	/lustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	1
Poison	Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	ľ
Mile-A-I	Minute Weed	0	0	0		Reed Canary Grass	0	0			Other:	0	0	ľ
Birdsfoo	ot Trefoil	0	0	0		Common Reed	0	0	0			0	0	1
Canada	Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	1
							0		0			0	0	(
	THE STATE OF	100	100			PLOT COORD					Other:	0	0	(
Local	ced as close to the c tion of coordinates CENTER O N3	enter s (ch	of Pl	e on	were ta as poss e): D E3	oken and why in the comment sible or at the center of the last and the center of the	ection	belo sible	w. Th Buffe	ect. Fill le coord r Plot.	TRANSECT. This is important being the "nearest practicable local linates of the nearest practicable and comment below)	ition"	bubb	c
Local O AA	iced as close to the c tion of coordinates CENTER O N3 Latitude N	enter s (ch	of Pl	e on	were ta as poss e): D E3	oken and why in the comment sible or at the center of the last and the center of the	ection	beloc sible	w. Th Buffe cation	ect. Fill le coord r Plot.	In the "nearest practicable loca linates of the nearest practicable	ition"	bubb	ca
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							W 565765															-
•			1				FOF	RM B-1:	BUFF	ER	SAN	/PL	E PI					wed by (i			_ (
Site I	3<	TH			DATE: 07/17/2013																	
Site ID: PCAPHI 1354 Location:							Fill in bubble(s) if plot(s) could not be sampled and flag →															
OAAC	enter	C	N	0	S	OE		W	OP	lot '	1	01	Plot :	2	OP	lot 3		200				
					-				Buffer I							haanti bla taas						
-III in bubble Strata Sectio	Il in bubbles for all that apply: Canopy Type: D = Deciduous; E = Evergreen. Leaf Type: B = Broadleaf; N = Needle Leaf. Absent: No tree canopy. rata 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%)																					
							Canopy	Canopy Type: Absent:						Buffer	Canopy Typ	e: 🍘	(P)	Ab	sent:	: O		
Plot 1	Lea	f Тур	е: 👰) C	Fla			Plot 2	Leaf	Leaf Type:) @	@		Flag	Plot 3	Leaf Typ	e: (B)	(4)		_	Flag
Big Trees (>	0.3m DBH)	0	0	0	0	0		Big Trees (>0.3m DBH)	0	0	0	9	<u>O</u>		Big Trees	(>0.3m DBH)	10		®	<u> </u>	
mall Trees (<		0	0	0	0	0		Small Trees (`		0	0	2	<u> </u>		Small Trees	h = 0 = 11 = = = 0	1 = 1		<u> </u>	9	
	5m HIGH)	0	0	0	(0			n-5m HIGH)	0	Q	0	@	<u> </u>		(0.5	m-5m HiGH)	K = #	의		의	
	5m HIGH)	0	0	0	0	(a)			0.5m HIGH)	0		0	9	의			(0.5m HIGH)	7	0	의	의	
0100000		®	0	0	0		Herbs, Forbs and Grasses		0	0	0	9	9			Grasses C	+ = +		의	의		
Bare ground ① ②		-	0	0	0		Bare ground		<u> </u>	0	0	9	<u> </u>			e ground	121	의	0	의		
Litt	er, duff	0	®	0	0	0		Li	itter, duff	0	\odot	0	읫	<u> </u>	,	L	itter, duff		의	0	의	
	Rock	9	0	0	0	0			Rock	0	0	0	의	<u> </u>			Rock 🚳	+=+	의	의	<u>의</u>	——
Su	Water	®	0	0	<u>0</u>	0		s	Water ubmerged	(3)	0	0	9	의			Water 🚳	1 -	의	읫	의	\dashv
V	egetation	(0	0	0	0		\	/egetation		0	0	0	0			Vegetation	0	Θ	0	<u> </u>	
		100		27			rm that						ce and	d an i	unfilled		cates absence	1100			-	
	dential	_		an Si						Hydrology Stress						Agricultural	1	. 1	. Т	- 1		
Fill bubble if present - Plot			1.	2	3	Flag	1.700000	0.00	present - Plot		1	2	3	Flag		o If present - F	Plot	1	2	3	Flag	
Road - gra	-	_		0	0	0		Ditches, Channelization Dike/Dam/Road/RR Be				능	0			Pasture/Ha	ay		읬	읝		
Road - two lane			0	0	0		(IMPEDE FLC	OW)	111/11		0	0	0		Range Row Crops			읭	읝	0		
Road - four lane Parking Lot/Pavement			0	0	0		Excavation		el Control Structure			00	0	19	Fallow Field (RECENT-RESTING			허	읭	0	\dashv	
Golf Cours		IGIR	1	6	0	0		Fill/Spoil E		ly		0	0	0	Mari	Fallow Fiel	d (OLD - GRASS,	-62	허	0	ö	
Lawn/Park				0	0	0		Freshly De	eposited S	Sedin	nent	0	0	0		SHRUBS, TRE Nursery	ES)	1111	ð	ŏ	ö	
Suburban		tial		Ö	0	0		Soil Loss/		osure	•	ŏ	0	0		Dairy	- Agorie		Ö	0	0	
Urban/Multifamily				0	ō	Ŏ		Wall/Ripra	ap q			ō	0	0		Orchard	11,1		0	0	0	
Landfill				0	0	0		Inlets, Out	tlets			0	0	0		Confined A	nimal Feeding		0	0	0	
Dumping				0	0	0		Point Sour	OR STORMV	NATER	٦)	0	0	0		Rural Resi	dential	254	0	0	0	
Trash			0	0	0		Impervious (SHEETFLOV	s surface	s surface Input v)			0	0		Gravel Pit		1	0	0	0		
Other:			0	0	0		Other:				0	0	0		Irrigation	-	_	0	0	이		
Other:			0	0	0		Other:		0	000			Other:			0	0	0				
Indu	strial D	evel	opm	ent S	Stres	sor	5		per junte				Habit	tat/V	egeta	tion Stress	sors					
Fill bubble If present - Plot				1	2	3	Flag	Fill bubble	If prese	nt -	Plot	1	2	3	Flag	FIII bubb	le if present -	Plot	1	2	3	Flag
Oil Drilling			0	0	0		Forest Clear Cut			0	0	0		Herbicide U	Jse		이	이	0			
Gas Wells			0	0	0		Forest Selective Cut				0	0	0		Mowing/Sh	rub Cutting		0	0	0		
Mine (surface)			0	0	0		Tree Plantation			0	0	0		Trails			0	0	0			
Mine (underground)			0	0	0		Tree Canopy Herbivory (INSECT)			0	0	0		Soil Compa (ANIMAL OR H	iction IUMAN)		0	0	0			
Military			0	0	0		Shrub Layer Browsed (WILD OR DOMESTIC)			②	0	0		and the same of th	nicle damage		0	0	0			
Other:			0	0	0		Highly Grazed Grasses (OVERALL <3" HIGH)				0	0	0		Soil erosion OR OVERUSE	(FROM WIND, W	ATER,	0	0	0		
Other:			0	0	0		Recently Burned Forest			0	0	0		Other:			0	0	0			
Other:			0	0	0		Recently B (BLACKENED)		assla	nd	0	0	0		Other:			0	0	0		
FI	ag codes	: K =	No me	asure	ment	made	e, U = S	uspect meas	urement.,	F1,F	2, etc.	= mis	c. flag	s ass	igned b	y each field c	rew.	2428	168	304		
В	uffer Sar	nole	Plots	05	/27/:			lags in comn	nent section	on on	tne b	ack of	this it	PLIAI								

concern mereonii R. Multiflem

© Confirm : Fill bubble if present - Plot Eurasian Watermilfoil	a fille	ed da	ta bu	bble ir							Reviewed by (initial):								
	1	-			ndicates presence and an uni	illed	bubbl	e Ind	licates	absence by filling in this bubi	ble			7.4					
Eurasian Watermilfoil	'	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag	Fill bubble if present - Plot	1	2	3	Flag					
	0	0	0		Purple Loosestrife	0	0	0		Johnson Grass	0	0	0						
Water hyacinth	0	0	0		Knotweed	0	0	0		Kudzu	0	0	0						
Yellow Floating Heart	0	0	0		Japanese Knotweed	0	0	0		Multiflora Rose	0	0	0						
Giant Salvinia	0	0	0		Perennial Pepperweed	0	0	0		Common Buckthorn	0	0	0						
Garlic Mustard	0	0	0		Giant Reed	0	0	0		Himalayan Blackberry	0	0	0						
Poison Hemlock	0	0	0		Cheatgrass	0	0	0		Tamarisk	0	0	ō						
Mile-A-Minute Weed	0	0	0		Reed Canary Grass	0	0	0		Other:	0	0	0						
Birdsfoot Trefoil	0	0	0		Common Reed	0	0	0		Other:	0	0	0						
Canada Thistle	0	0	0		Leafy Spurge	0	0	0		Other:	0	0	0	-					
									×	Other:	0	0	Ö						
					PLOT COORI	DINA	TES												
O AA CENTER O N3				D E3	0 1 6 3	Lon	gitud	de W		and comment below)	6								
Flag Comments					Use Decimal Degi	rees;	NAD	83				_							
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		27																	
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