Plot Data: CVS Levels 1 & 2

Start Date: / / / / / / / / / / / / / / / / / / /
Project Name: County: State: County: Standard 10m x 10m Non-standard 5m x 20m (20.616m diagonal): (3.7) (3.7
Place Names: 1) Plot Plot Place Names: 1) Plot Plot Place Names: 1) Plot Pl
Plot: □ Level 1 (planted stems only) □ Level 2 (planted and natural stems) Land Owner:
Level 1 (planted stems only) Level 2 (planted and natural stems) Land Owner: Land Owner: Land Owner: Land Owner: Land Owner: Plot Size (ares, default=1): (An "are" is 100 m²) Lat/Long UTM State Plane Other (specify): m ft Date plot was last planted (MM/YYYY): Heavy plot grading? Yes No Unknown (baseline data or if planted after last monitoring) Lat/Long UTM State Plane Datum: NAD83/WGS84 NAD27 NAD83/WGS84 NAD27 If more space is needed, check the box and use back of datasheets. Lat/Long UTM State Plane Datum: Lat/Long UTM State Plane Datum: Coord. Units: Coord. Units: Lat/Long UTM State Plane Datum: Coord. Units: Coord. Units: Lat/Long UTM State Plane Datum: Coord. Units: Coord. Units
□ Level 2 (planted and natural stems) Start Date:
Start Date: / / dd/mmm/yyyy e.g. 15 / JAN / 2007 Party Role** Plot Leader Plot Leader Plot Leader Plot Leader Plot Size (ares, default=1):
Start Date: dd/mmm/yyyy e.g. 15 / JAN / 2007
Plot Leader Coordinate System: Coord. Units: deg. □ deg. min. sec. □ deg. min. sec. □ m □ ft □ Date plot was last planted (MM/YYYY): Heavy plot grading? □ Yes □ No □Unknown (baseline data or if planted after last monitoring) England of the plot was last planted (MM/YYYY): Heavy plot grading? □ Yes □ No □Unknown (baseline data or if planted after last monitoring) NOTES
Plot Leader □ Other (specify): □ deg. min. sec. □ m □ ft □ □ batum: □ NAD83/WGS84 □ NAD27 □ NAD83/WGS84 □ NAD27 □ Date plot was last planted (MM/YYYY): □ deg. min. sec. □ m □ ft □ □ bate plot was last planted (MM/YYYY): □ baseline data or if planted after last monitoring) □ Solve of plot, ≥ 6" in depth) □ NOTES □ If more space is needed, check the box and use back of datasheets. □ NAD83/WGS84 □ NAD27
Datum: (baseline data or if planted after last monitoring) (≥ 50% of plot, ≥ 6" in depth) NAD83/WGS84 □ NAD27 (if applicable) If more space is needed, check the box and use back of datasheets.
□ NAD83/WGS84 □ NAD27 (if applicable) If more space is needed, check the box and use back of datasheets.
I
Lat: (or Northing) Layout: (anything unusual about plot layout and shape)
Long: (or Easting)
Coordinate Accuracy (m radius): e.g. 30 Plot Location: (directions to plot, landscape content)
**Roles: Co-leader, Assistant, Guide, Land owner, Taxonomist, Other **Roles: Co-leader, Assistant, Guide, Land owner, Taxonomist, Other
Soil Drainage* SITE CHARACTERISTICS
Elevation: $\pm \frac{\Box m}{\Box a}$
□ Excessively drained □ Somewhat excessively drained □ Slope (degrees): □ Plot Periorely (why leasting was chosen for the relet)
□ Well drained □ Moderately well drained
□ Somewhat poorly drained □ Somewhat poorly
□ Poorly drained Plot Placement (check 1 or more) □ Very poorly drained □ Representative □ more
WATER Percent of Plot Submerged: □ Transect component □ Systematic (grid) Mean Water Depth Now: cm □ Capture specific feature □ Capture specific feature □ Random Further details of placement can be recorded in Plot Rationale. Other Notes: (invasive species, erosion, disturbances, etc.) Other Notes: (invasive species, erosion, disturbances, etc.)
TAXONOMIC STANDARD USED FOR PLANT IDENTIFICATION
Authority:, Publ. Date:

Plot Data: CVS Level 3

GENERAL INFOR	RMATION	Location	ON			DIAGRAM:	Hydrologic Regime*
Project Number:		General:		Draw plot bou below. Also is	indaries and show locating indicate X and Y dimens	on of any landmarks and objects in the key ions of plot, in meters.	☐ Intermittently/seasonally saturated (seldom flooded)
Project Name:		State: County:		1	Y	● Posts	☐ Permanently/ semipermanently saturated (dry < 1 / yr, seldom flooded)
Team:		Quadrangle:		-		(x,y) (meters)	□ Occasionally flooded (<1 / yr) □ Temporarily flooded
Plot:		Place Names: 1)		-		(,)	□ Intermittently flooded
Start Date: / dd/mmm/yyyy e.g. 15 / JA	/ AN / 2007	2)	3)	<u>Plot</u>		(,)	☐ Semipermanently flooded ☐ Permanently flooded ☐ Tidally flooded - daily ☐ Tidally flooded - monthly
End Date (if >1 day):	/ /	EEP Reach:		X-Axis Bearing:	Ġ	·····	☐ Tidally flooded - irregular (wind,
Party	Role**	Land Owner:		<u>Bearing</u> .		X (,)	storms) □ Unknown
	Plot Leader	Source of coordinates: (map, GPS, survey)		° Key: \(\int_{(0)}^{Pl} \)	ot origin GPS loca	Photo taken, Location of posts	WATER Percent of Plot Submerged: % Mean Water Depth Now: cm
		$\bigotimes_{x=}^{GPS \text{ location in plot } (}$	meters):				Closest Dist. to Shore: m
				Plot Size (are	es):	→ Photo Identifier(s):	Landform Type*:
		Coordinate System: □ Lat/Long □ UTM □ State Plan			raphic Position*		
**Roles: Co-leader, As Land owner, Taxe		☐ Other (specify):	_ □ m □ ft □		erest, summit, ridge) (shoulder, upper, convex	No' If more space is needed, check the	
Soil Drainage*	Salinity*	Datum: ☐ NAD83/WGS84 ☐ NAD27	Zone: (if applicable)	☐ High level☐ Midslope		Date plot was last planted (MM/YY	
C	□ Saltwater	Lat:	(or Northing)	☐ Backslope (☐ Step in slop		(baseline or if since last monitoring	•
□ Somewhat excessively	□ Brackish		<u>, </u>		lower, foot, colluvial)	Layout: (anything unusual about	plot layout and shape)
□ Moderately well d.	□ Fresh	Long:	(or Easting)	☐ Low level (t☐ Channel wa			
□ Somewhat poorly d.□ Poorly drained		Coordinate Accuracy (r	n radius):	☐ Channel bed	d (valley bottom)		□ more
□ Very poorly drained	□ Upland (n/a)		ii radius).	□ Basin floor □ Other:	· -	Plot Location: (directions to plot,	
Soil Series / Type:		GPS File Name:			R BY STRATA		
Soil Series Source:		SITE CHARACT		Canopy He	ight (m):		
Soil Texture*:		Elevation:	± □m □ft.	Strata	Height Total		□ more
Rock Type*: Surficial Deposits*:		Slope (degrees):		Strata	Range (m) Cover (c	Plot Rationale: (why location was	s chosen for the plot)
Soil Descr.:		Aspect (degrees):		Tree	3		
		Compass Type: magn		${f S}$ hrub	1-3		
Classification* Fit:e Provisional comm.	xcellent,good, f	air, <u>p</u> oor; Conf: <u>h</u> igh, <u>m</u> ed, <u>l</u> ow	Plot Placement: (check 1 or more)	Herb	0-1		□ more
Comm.(1)		rit=Coiii=	□ Representative ☐ Random	(Floating)	-	 Vegetation: (characterization of c principle strata) 	community, dominants, and
Comm.(2)		Fit=_Conf=_	☐ Random☐ Stratified			principle strata)	
Classifier		Date/	☐ Transect component☐ Systematic (grid)	(Aquatic Submerged)	_		
Authority:			☐ Capture specific feature		ts listed, but can be edited better suit vegetation.	d	□ more

Plot Data: CVS Levels 4 & 5

GENER	AL I	NFORM	MAT	ION	LOCATIO)N		LOT DIAGI		Y▲(14.142m	l one module diagonal)	_	· · · · · · · · · · · · · · · · · · ·		201-4-	
Project N	umbe	<u>er</u> :			General:		or one on	template below the right (1 mod	ile plot),	2	3		I on-standar 20.616m dia		zom piot:	
Project Na	ıme:				State: County	:	needed, to	key below. Edit show actual arr	ingement of	5		Y				
Team:					Quadrangle:		of any lan	sampled corners dmarks.	and location	' _		-	1	2		3
Plot:				-	Place Names: 1)		,	Y♠			4			4		X
□ Level 4 (n	o neste	d corners	samp	oled)	2) 3)		2-10		3	4	3	4				
□ Level 5 (n	ested c	orners sar	npled)	Land Owner:		module plot:	#10		#9	#8		#7		#6	
Start Dated dd/mmm/yy	y e.g.		/ N /2	2007	Data Confidentiality: Check one: □ Public Data □ Fuzz 1 km □ Fuzz 10 km	□ Private Data		, 10	2	1	2	1	11 7		110	
End Date P	(if>1 d arty	ay): /	R	/ ole**	Reason: If data not public, why?	T UZZ TOO KIII	Plot X-Axis	<u> </u>	1	2	1	2				2
			Plot	Leader	Source of coordinates (map	o. GPS):	Bearing:	#1		#2	#3		#4		#5	
					GPS location in plot (· · · · ·			4	3	4	3				
					$\bigotimes_{X} = y$		Diagrai	n O Plot o	rigin 🚫	GPS location	on O		taken,	_	location c	
					Coordinate System: □ Lat/Long □ UTM □ State Plane □ Other (specify):	<u>Coord. Units</u> : □ deg. □ deg. min. □ m □ ft □	Key: Plot Size	for Cover Da		point		N	direction OTES		permanen	
**Roles	· Co-le	ader, Assi	istant	Guide	Datum: ☐ NAD83/WGS84 ☐ NAD27	Zone: (if applicable)	☐ Stem	not sampled on t s present □ Ster t Size, Stems	ns absent 🕤		re space is ne nything un					
		ier, Taxor			<u>Lat</u> :	(or Northing)	Depth (Level 5 Only)						
SAMP		QUA		Y*			Intensiv	<u>we Modules:</u>	, , ,							_
□ Very	thorou	t Level:			Long:	(or Easting)	\bigcirc	Photo Identif	er(s):	Plot Locat	ion: (direct	ions to n	lot lands	cane c	ontent)	□ more
□ Accı □ Hurr				=	Coord. Accuracy (m radius	s):					1011. (411.00)	rono to p	100, 1011015	oup c	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		c Accur		-	GPS File Name:	<u> </u>	Co	VER BY ST	RATA							
		Mod- I	OW	Not sampled	SITE CHARACT	ERISTICS	Canopy	Height (m):								□ more
Vascular:		erate		n/a	Elevation:	± □m □ft.	Strata	Height Range (m	Total Cover (%	Plot Ration	nale: (why	location	was chose	en for	the plot)	
Bryophyte:					Slope (degrees):		Tree			_						
Lichen:					Aspect (degrees): Compass Type: □ magne	etic ¬ true	Shrub									
	ation	* Fit: <u>e</u> x	cellen		air, poor; Conf: high, med, low	Plot Placement:	Herb									□ more
Provisiona		ım				(check 1 or more) Representative		-		_	n: (characte	rization	of commu	ınity, o	lominants	, and
Comm.(1) Comm.(2)					Fit- Conf-	Random	(Floating	g) -		principle s	trata)					O
Classifier					Date//_	Stratified Transect component	(Aquatic Submerge									V
TAXO Authority		IC STA	AND			Systematic (grid) Capture specific feature	Strata in p	arentheses often							□ mo	re E

Plot Data: CVS Levels 4 & 5 (page 2)

SOIL INSTRUCT	TIONS		SOIL D	EPTHS	EAR	RTH SU	RFA(CE & (GROUND COVE	CR	MCNAB	LFI:	TSI: Terrain		
Depths (right): After n			soil probe:	cm	Underly		rth		Ground Cover	:	INDICES	Landfor			
a corner (at the circle)		standard co	rners given b	elow, correct if need	ed Sur	face:					(degrees) + for upslope	Index (position wi	1		
out on the diagram belogamples (below): Mark		Module	Corner	Soil Depth (cm)	(sum = 100)	%) per	rcent	((each ≤100%)	percent	- for downslope	landscape			
of soil samples with a	x iocation	2	1	(-)	Histosol			Coarse '	Woody Debris >5cm		at aspect		,		
triangle and horizon, e.	.g.: B	2	2		Mineral Soi	1 /		Fine W	oody Debris <5cm		+45 degrees				
Other soil data: enter b	elow	2	3		Sediment	1 /			oody Deoris Sem		+90 degrees				
		2	4					Litter	7.11)		+135 degrees				
3 1m 4 3	4	3	1		Gravel / Cobble			Duff (F			+180 degrees				
· ' '		3	2		Cooole			Bryo /	Lichen		+225 degrees				
#9	#8	3	3		Boulder			Water			+270 degrees				
-	Φ-	8	1		Bedrock			Other (r	name):		+315 degrees				
2 1 2	1	8	2						***	7	· 515 degrees				
$\frac{1}{6}$ $\frac{2}{6}$ $\frac{1}{6}$	$\frac{1}{2}$	8	3							ATER	~	•. •			
	<u>G</u>	8	4				•	logic F	Regime*		Salin	ity*	Soil Drainage*		
#2	#3	9	1		□ Upland (s			tumatad	☐ Intermittently flood☐ Semipermanently		\square Saltwater \square	Fresh	F ' 1 1 ' 1		
	G	9	2		☐ Intermitten (seldom f		many sa	iturated	□ Permanently flood	ed	□ Brackish □		□ Excessively drained□ Somewhat excessively		
4	[3	9	3		□ Permanent	ly / semipe			□ Tidally flooded - d	aily	Aquatic V	egetation	□ Well drained		
SOIL SAMPL	FC	Organia la	yer depth:	000					□ Tidally flooded - n		Mean water d		□ Moderately well dr.		
SOIL SAMI L	LS	Organic ia	iyei depili	cm	□ Occasional□ Temporaril			T)	☐ Tidally flooded - in (wind, storms)	rregular	Closest distan		□ Somewhat poorly dr.		
Module*	Horizon		Homog	eneity		., 1100 ucu			□ Unknown		:		□ Poorly drained		
1-10, S (plot deep sample)	(A,B,C)	□ Homogo	eneous						DISTU	RBANC	ES		□ Very poorly drained		
				d across plot		Severity	Yrs	% of			(Current La	and Use:		
			cuous inclus		Type	(none,	ago	_	Desc	ription	`		ina Osc.		
		□ Irregula	r / pattern m	nosaic	human	L,M,H)		P							
		Stan	d Size	Landform	IIuman										
		Stan □ >1,000			natural										
		□ > 1,000 □ > 100 ×	~	Type*:	fire								1 77		
			× plot size		life						1	Former La	nd Use:		
Soil Series / Type:		□ 3-10 × p	~		clear-cut										
		□ 1-3 × pl			. 1										
Soil Series Source:		□ < plot s			animal										
Soil Texture*:		•			other										
			graphic I												
Rock Type*:			e (crest, sumn		eason of Plo	t Ph	ysiog	nomy							
Surficial Deposits*:		☐ High leve		upper, convex)	Sampling	□I	Fores	t	(Representativene	ss of the pl	ot to the stand, S	Successional Sta	atus, Stand Maturity, etc.)		
Surficial Deposits .		□ Midslope	;		Typical growing	g 🗀 II	Wood								
Soil Description:		□ Backslop			season		Shrub								
•		☐ Step in sl	ope e (lower, foot		Vernal Aestival	□IV		f Shrubla	ınd						
		□ Toeslope		/ - 1	Autumnal			aceous							
		□ Low leve			Winter	□VI		ascular							
		□ Channel	wall (bank) bed (valley bo		Гетрогагіly		Spars	ely							
			or (depression	n)	flooded		Vege	tated							
		□ Other:	. =	Temporarily dry	⊓ VII	I Barre	n		□ more						

Planted Woody Stem Data: CVS Level 1

Leader:	Project:	Team:	<u>Plo</u>	ot:	<u>Date</u> :/_	/	Page of
Species Name	Source	Coordi X (0.1 m)	nates Y (0.1 m)	Height (1* cm)	DBH (1 cm)	Vigor	Damage
							_
Source: <u>Tr</u> ansplant, <u>I</u> <u>Tu</u> bling, Bare <u>R</u> oot, <u>A</u> uger, <u>M</u>	Lechanically pla	inted, <u>U</u> nknown		1=unlikely to s	T: <u>4</u> =excellent, <u>3</u> =go urvive year, <u>0</u> =Deac	d, <u>M</u> issing.	nown Anim al Human Tramp led

*Height precision is 10cm if 250-400cm and 50cm if >400cm. EntryTool 2.3 ©2012 Carolina Vegetation Survey. cvs.bio.unc.edu Form PWS12, ver 12.1

Woody Stem Data: CVS Level 2 Planted Woody Stems - individual stems measured

<u>Leader</u> :	Pro	ject:	<u>T</u>	eam:		<u>Pl</u>	<u>ot</u> :		<u>Date</u> :	/	_/		
Spacies Name		Sauras	Co	ordi	nates		He	eight	DBI	H \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ior I	D	omogo
Species Name		Source	X (0.1	m)	Y (0.	1 m)	(1*	cm)	(1 cn	$\frac{\mathbf{Vig}}{\mathbf{n}}$	<u>eor</u>	D	amage
Source: <u>Tr</u> ansplant, <u>Li</u> <u>Tu</u> bling, Bare <u>R</u> oot, <u>A</u> uger, <u>M</u> e						<u>1</u> =			<u>4</u> =excellent, vive year, <u>0</u> =				\
*Height precision drops to 10cm if 250-400cm and 50cm if >400cm.		Damage			_								al, Human Trampled, known, specify other.
	C	4	4 111 1	1		•		Exp	lanation of c	ut-off			
Natural Woody Height Cut-Off (All stems shorter							/ ne right)	,	ubsampling* cm □ 50c		cm 🗆	137cm	
(All stells shorter	litari	T -	LINGS —						PLINGS -				— DBH
Species Name	V	Sub-	10 cm-		cm-		cm-	Sub-					≥10
Species I tame	c	Seed	50 cm	100) cm	137	7 cm	Sapl	0-1 cm	1-2.5	2.5-	- 5-	(write DBH)
								_					
								_					
		<u> </u>											
**Required if cut-off >10cm or subsar	nple	≠100%.		•1	• ₂	3	• • ₄	● •5	6	7 18	1 29	10	Form WS2, ver 12.1

Natural Woody Stem Data: CVS Levels 2 & 3

Page __ of ___

Leader: Height Cut-Off (All ster		is are	e ignor	<u>Team:</u> ed. If >10cm, e	Plot:xplain why to the	Date:	0cm	/ <u>/</u> _ /	<u>Ares</u> (=100m 100cm □ 13	n²): 37cm →	Explanati & subsan	on of cut- pling*:	<u>-off</u>					□ more.
Tioigno our on (im sio				DLINGS —				APLINGS -				T	REES	— D]	BH			
Species Na	<u>ıme</u>	✓ c	Sub- Seed	10 cm- 50 cm	50 cm- 100 cm	100 cm- 137 cm	Sub- Sapl	0-1 cm	1-2.5 cm	2.5-	5-	10-	15-	20-	25-	30-	35-	≥40 (write dbh)
*Required if cut-off>10cm of				<u> </u>					1 9 1 10		<u> </u>		<u> </u>		<u> </u>			WS23, ver 8.







Natural Woody Stem Data: CVS Levels 4 & 5

Explanation of subsampling*:

□ more.. **Project:** Plot: Date: Plot Sapling Subsample %: Plot Tree Subsample %: Leader: Team: Ares: Page__ of SAPLINGS — DBH TREES — DBH $\overline{\mathbf{V}}$ Sub Sub 20-25-30-35-0-1 cm 1-2.5 cm 2.5-5-10-15- \geq 40 (write DBH) c Mod Sapl **Species Name** Tree









Cover Data: CVS Levels 3 & 4

Lea	adei	r:			Project:	Team:	Plot:						Ares:		<u>Pa</u>	<u>ge _ o</u>	<u>f</u>
	S	tra	ıta					Colum	n header	s are mo	dule nu	mbers (le	vel 4 on	ıly), witl	h cover o	odes bel	ow:
Τ	S	Н	(F)	(A)	<u>Speci</u>	es Name	C										
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			<u> </u>				3.	1	-	<u> </u>							
							3	1	<u> </u>								
							3			:0/=0. C							

00%=* EntryTool2.2.7 Form COV34, v9.1 ©2008 Carolina Vegetation Survey. cvs.bio.unc.edu **Cover**: trace=1; 0-1%=2; 1-2%=3; 2-5%=4; 5-10%=5; 10-25%=6; 25-50%=7; 50-75%=8; 75-95%=9; 95-100%=*

Cover Data: CVS Level 5

Le	adeı	<u>r:</u>			Project:	Team:	Plot:	Date	<u>e:/</u>		/		Dep	<u>th</u> (1	-5):		A	res:		1	Page		of_	
	S	tra	ta						Columi presen	n hea	ders	are	couple	s of	modi	ıle a	nd c	orne	r nu	mbe	rs, u	nder	whi	ich
Т	S	Н	(F)	(A)		Species Nam	ne	c	presen	CC V	iruc	and	COVCI		3 arc	CIIC	rea	(see	11313	att	Ottol	11 01	pag	<u>c)</u>
			· /	,	-			1														\exists		
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								3															П	
								4														\exists	П	
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Cover: trace=1; 0-1%=2; 1-2%=3; 2-5%=4; 5-10%=5; 10-25%=6; 25-50%=7; 50-75%=8; 75-95%=9; 95-100%=* EntryTool2.2.7 Form COV5, v9.1 **Presence**: overhanging=0; 10 x 10m=1; 3.16 x 3.16m=2; 1 x 1m=3; 32 x 32cm=4; 10 x 10cm=5 ©2008 Carolina Vegetation Survey. cvs.bio.unc.edu

Strip Plot Inventory - Project Stem Density

	Plot Invento	<u>ate</u> :/		Page of	
Surveyors:			Distance to P	revious Transec	<u>t:</u> 20 m
Latitude/Northing of Origin:		<u>Datum:</u>		Zone:	
Longitude/Easting of Origin:		Accuracy (m):		System:	□ Lat/Long □ UTM □ State Plane
Transect Bearing from Origin:	0	Time Start: Time End:		<u>Units:</u>	□ deg. □ deg. min. □ deg. min. sec. □ m □ ft □
Species or Stream start/stop or High Density (HD) start/stop or transect stop	Transect Distance (min = every 10 m)			Tally	
Transect start	0 m	1m - 1.37m tall	0 - 5 DBH	5 -25 DBH	25+ cm DBH
Transect start	O III				
					Form SPD, ver 10.1