Plot Data: CVS Levels 1 & 2

GENERAL INFORMATION	LOCATION	N	PLOT DIAGRAM Fill in ONE of the templates below, using the key to draw GPS location, photos and posts. Edit shape if
Project Number:	General:		plot doesn't match one of the templates. Draw any landmarks, such as streams, banks, fences, etc.
Project Name:	State: County:		Standard 10m x 10m Non-standard 5m x 20m (14.142m diagonal): (20.616m diagonal): Key
Team #:	Quadrangle:		(meters) Plot origin
Plot:	Place Names: 1)		Y-axis $(0,0)$ point $(0,0)$ point $(0,0)$ GPS location
☐ Level 1 (planted stems only)	2) 3)		Plot point
☐ Level 2 (planted and natural	EEP Reach:		X-Axis Bearing: Description: Description:
stems)	Land Owner:		→ X-axis (,) with direction
Start Date: / / dd/mmm/yyyy e.g. 15 / JAN /2007	$\bigotimes \frac{\text{GPS}}{x^{=}} \frac{\text{Receiver}}{y^{-1}} \frac{\text{Location}}{y^{-1}}$		Plot Size (ares, default=1):
Party Role**	Coordinate System:	Coord. Units:	(An "are" is 100 m ²) Identifier(s):
DL (X.)	☐ Lat/Long ☐ UTM ☐ State Plane ☐ Other (specify):	□ deg. □ deg. min. □ deg. min. sec.	Plot Credit Type (check up to two): Riparian Buffer Credit Stream Credit Wetland Credit Data plot week lost plotted (ADA/NYNY)
Plot Leader		□ m □ ft □	Date plot was last planted (MM/YYYY): Heavy plot grading? \Box Yes \Box No \Box Unknown (baseline data or if planted after last monitoring) (\geq 50% of plot, \geq 6" in depth)
	Datum: ☐ NAD83/WGS84 ☐ NAD27	Zone: (if applicable)	NOTES If more space is needed, check the box and use back of datasheets.
	Lat:	(or Northing)	Layout: (anything unusual about plot layout and shape)
	Long:	(or Easting)	
	Coordinate Accuracy (m re.g. 30	radius):	Plot Location: (directions to plot, landscape content)
**Roles: Co-leader, Assistant, Guide, Land owner, Taxonomist, Other	GPS File Name:		Flot Location. (directions to piot, fandscape content)
Soil Drainage*	SITE CHARACTE	RISTICS	
<u> </u>	Elevation:	± □m □ft.	
□ Excessively drained□ Somewhat excessively drained	Slope (degrees):		□ more
□ Well drained□ Moderately well drained	Aspect (degrees):		Plot Rationale: (why location was chosen for the plot)
□ Somewhat poorly drained	Compass Type: magnet	ic 🗆 true	
□ Poorly drained□ Very poorly drained	Plot Placement ☐ Representative	(check 1 or more)	□ more
WATER Percent of Plot Submerged: Mean Water Depth Now: cm	☐ Random ☐ Stratified ☐ Transect component ☐ Systematic (grid) ☐ Capture specific feature	Further details of placement can be recorded in Plot Rationale.	Other Notes: (invasive species, erosion, disturbances, etc.)
TAXONOMIC STANDARD U	1 1		
Authority:	, Publ. Date:		□ more

Plot Data: CVS Level 3

GENERAL INFOR	RMATION	LOCATIO	ON			DIAGRAM:	Hydrologic Regime*
Project Number:		General:		Draw plot bou below. Also is	indaries and show location indicate X and Y dimensi	n of any landmarks and objects in the key ons 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:			☐ Tidally flooded - irregular (wind, storms)
Party	Role**	Land Owner:		<u> </u>		X (,)	□ Unknown
	Plot Leader	Source of coordinates: (map, GPS, survey)	neters)*	Key: O Pl	ot origin GPS loca-	Photo taken, Location of posts	WATER Percent of Plot Submerged: % Mean Water Depth Now: cm
		$\bigotimes_{x=}^{GPS \text{ location in plot } (x)} y = 0$	=	Plot Size (are	es):	→ Photo Identifier(s):	Closest Dist. to Shore: m
		Coordinate System:	Coord. Units:	-		_	Landform Type*:
**Roles: Co-leader, As	gaigtant Cuida	☐ Lat/Long ☐ UTM ☐ State Plane ☐ Other (specify):	e □ deg. □ deg. min. □ m □ ft □		raphic Position* crest, summit, ridge)	No	TEC
Land owner, Tax	onomist, Other	Datum:	Zone:		(shoulder, upper, convex	If more space is needed, check the	e box and use back of datasheets
Soil Drainage*	Salinity*	□ NAD83/WGS84 □ NAD27	(if applicable)	□ Midslope	1.00	Date plot was last planted (MM/YY (baseline or if since last monitoring)	
□ Excessively drained	\square Saltwater	<u>Lat</u> :	(or Northing)	☐ Backslope (☐ Step in slop	e	Layout: (anything unusual about	<u>-</u> ;
□ Somewhat excessively□ Well drained	□ Brackish	-	(T ()	□ Toeslope	lower, foot, colluvial)		1 /
☐ Moderately well d.☐ Somewhat poorly d.	□ Fresh	Long:	(or Easting)	☐ Low level (t☐ Channel wa			
□ Poorly drained	□ Upland (n/a)	Coordinate Accuracy (n	n radius):	□ Basin floor			more
Soil Series / Type:		GPS File Name:		□ Other:		Plot Location: (directions to plot,	landscape content)
Soil Series Source:		SITE CHARACT	ERISTICS		R BY STRATA	_	
Soil Texture*:		Elevation:	± □m	Canopy He			
Rock Type*:		Slope (degrees):	□ft.	Strata	Height Total Range (m) Cover (%	Plot Rationale: (why location was	chosen for the plot)
Surficial Deposits*:		Aspect (degrees):		Tree	3	1 lot Rationale. (why location was	s chosen for the plots
Soil Descr.:		Compass Type: magn	etic 🗆 true	Shrub	1-3		
	excellent,good, f	air, poor; Conf: high, med, low	Plot Placement:		0-1	_	□ more
Provisional comm Comm.(1)			(check 1 or more) Representative			Vegetation: (characterization of c	community, dominants, and
Comm.(2)		Fit- Conf-	Random Stratified	(Floating)	-	principle strata)	
Classifier		Date/	Transect component	(A quatic Submerged)	_		
TAXONOMIC ST Authority:			Systematic (grid) Capture specific feature	Height default	ts listed, but can be edited better suit vegetation.	1	□ more

Plot Data: CVS Levels 4 & 5

GENER	al I	NFOF	RMA	ΓΙΟΝ	LOCAT	ION		OT DIAGR		Standa Y♠(14.14	ard one m 2m diagon	odule p l al)					
Project N	umbe	er:			General:		or one on the	mplate below (2 e right (1 modul	e plot),	2	3			N on-standa ı 20.616m dia		20m plot:	
Project Na	ıme:				State: Coun	ty:	needed, to sh	y below. Edit sl now actual arrar	ngement of		5		Y▲				7
Team:					Quadrangle:		modules, sar of any landn	npled corners, a narks.	and location				-	1	2	3	
Plot:					Place Names: 1)		Y	A		O I	4	> X	@)		ł	> X
□ Level 4 (n	o neste	d corne	rs sam	nled)	2) 3)	2-10		3		4 3		4				
□ Level 5 (n					Land Owner:		module plot:	#10		#9		#8		#7		#6	
Start Dat		/ 15 / JA	AN /	/ 2007	Data Confidentiality: Check one: □ Public Data □ Fugg 1 hrm □ Fugg 10 hr	□ Private Data		#10	2	#9	1 2	#6	1	# /		#0	
End Date	(if >1 c	lay):	/	/	□ Fuzz 1 km □ Fuzz 10 km	m □ Fuzz 100 km	Plot)	1	·····	2 1		2	•••••			
P	arty		R	ole**	Reason: If data not public, why?		X-Axis Bearing:	Д1		_	_	ш э		Ш.А		11.5	
			Plo	t Leader	Source of coordinates (n	nap, GPS):		#1		#2		#3		#4		#5	
					GPS location in plo		0		4		3 4		3				
					X=	<u>y=</u>	Diagram Key:	Plot ori	gin 🚫	GPS loca	ition (\rightarrow		o taken, direction	•	location of permanent p	nete
					Coordinate System: □ Lat/Long □ UTM □ State Pla			or Cover Dat		Point				OTES		реглинент р	0313
					☐ Other (specify):		□ Stems not	sampled on thi	is plot				ed, chec	k the box an		ack of datasheet	S.
**Roles	: Co-le	ader. A	ssistan	t. Guide.	<u>Datum</u> : □ NAD83/WGS84 □ NAD27	Zone: (if applicable)		resent \square Stems Size, Stems (a		Layout:	(anythin	g unus	sual ab	out plot la	iyout a	and shape)	
La	nd owi	ner, Tax	onomi	st, Other	Lat:	(or Northing)	1 '		evel 5 Only)								
SAMP				Y*			Intensive	Modules:	, , ,								
□ Very		rt Leve 1gh	el:		Long:	(or Easting)	Ph Ph	oto Identifie	er(s):	Plot Loc	eation: (d	lirectio	ns to r	olot, lands	cane c		more.
□ Accı □ Hurr					Coord. Accuracy (m rad	ius):				1 lot Loc	ation. (u	incetio	115 to p	not, ianus	сарс с	ontent)	
		ic Accu		;	GPS File Name:	,	Cov	ER BY STE	RATA								
		Mod-	Low	Not	SITE CHARAC	TERISTICS	Canopy H	eight (m):								_	more.
Vascular:		erate		sampled n/a	Elevation:	± □m □ft.	Strata	Height Range (m)	Total Cover (%)	Plot Rat	ionale: (why lo	cation	was chos	en for		more.
Bryophyte:					Slope (degrees):		Tree	- Kange (m)	COVET (70)								
Lichen:					Aspect (degrees): Compass Type: □ mag	netic □ true	Shrub										
	ation	* Fit:	xcelle	nt,good, <u>f</u>	air, poor; Conf: high, med, low	Plot Placement:	Herb	_									more.
Provisiona		nm			Fit=_Conf=_	(check 1 or more) □ Representative		-		Vegetati principle	,	racteri	zation	of comm	unity,	dominants, a	nd
Comm.(1) Comm.(2)					Fit= Conf=	□ Random □ Stratified	(Floating)	-		principie	e strata)						O
Classifier					Date//	☐ Transect component	(Aquatic Submerged)	-									V
TAXO Authority		IC ST	ΓΑΝΙ		USED FOR PLANTS Publ. Date:	☐ Systematic (grid) ☐ Capture specific feature	Strata in pare	entheses often ne filled in if the								□ more	E R

SOIL INSTRUCTI	IONS		SOIL D	EPTHS	EAF	TH SU	RFA(CE & (GROUND COVE	R	McNab	LFI:	TSI: Terrain
<u>Depths (right)</u> : After m a corner (at the circle) c	_	Length of	soil probe:	cm	Underly		rth		Ground Cover	•	INDICES (degrees)	Landfor Index	-
out on the diagram belo		standard co	rners given b	elow, correct if needed		face:					+ for upslope	(position wi	1.
Samples (below): Mark		Module	Corner	Soil Depth (cm)	(sum = 100)	%) per	cent	((each ≤100%)	percent	- for downslope	landscape	
of soil samples with a	^	2	1		Histosol			Coarse '	Woody Debris >5cm		at aspect		
triangle and horizon, e.g	g.: B	2	2		Mineral Soi	1/		Fine W	oody Debris <5cm		+45 degrees		
Other soil data: enter be		2	3		Sediment			Litter	,		+90 degrees		
1 4 1		2	4		Gravel /			Duff (F	7±H)		+135 degrees		
3 1m 4 3	4	3	1		Cobble			,	*		+180 degrees		
		2	3					Bryo /	Lichen		+225 degrees		
#9	#8	3	4		Boulder			Water			+270 degrees		
$\frac{1}{2}$ $\frac{1}{2}$	φ_{1}	8	1		Bedrock			Other (r	name):		+315 degrees		
	1	8	2			l .			W	ATER		-	
$\frac{1}{6}$ $\frac{1}{6}$	$\frac{1}{2}$	8	3			Н	vdro	logic F	Regime*	IIIEK	Salin	itv*	Soil Drainage*
#2	#3	9	1		□ Upland (s			- 9	☐ Intermittently floor	ded	□ Saltwater □	•	Son Dramage
	_	9	2		□ Intermitten	tly / seaso		turated	□ Semipermanently f		□ Brackish □	- TT 1 1 (/)	□ Excessively drained
4	$\frac{Q}{3}$	9	3		(seldom		rmono	stly cotu	□ Permanently flood□ Tidally flooded - d				□ Somewhat excessively
		9	4						☐ Tidally flooded - u		Aquatic V Mean water d		□ Well drained
SOIL SAMPLE	ES	Organic la	yer depth: _	cm	□ Occasiona	ly flooded			☐ Tidally flooded - in		Closest distan		Moderately well dr.Somewhat poorly dr.
Module* Horizon			Homog	onoity	☐ Temporari	ly flooded			(wind, storms) □ Unknown				□ Poorly drained
	(A,B,C)	□ Homoge		enerty						RBANC			□ Very poorly drained
, ч 1 1 /	(11,5,0)	_		d across plot		Severity			DISTU	KDANC			
			cuous inclus		Type	(none,	115		Desc	ription	•	Current La	and Use:
			ır / pattern m		V 1	L,M,H)	ago	plot					
					human								
			d Size	Landform	natural								
			× plot size	Type*:	natarar								
		□ > 100 ×			fire]	Former La	nd Use:
Soil Series / Type:		□ 10-100 □ 3-10 × p	× plot size		clear-cut								
Son Series / Type.		□ 3-10 ^ p											
Soil Series Source:		□ < plot si			animal								
Soil Texture*:		Topo	graphic I	Position*	other								
Rock Type*:		□ Interfluve	e (crest, sum		ason of Plo	t Ph	ysiog	nomy			•		
Surficial Deposits*:		☐ High leve			Sampling	□I	Fores	t	(Representativene	ss of the pl	ot to the stand, S	Successional Sta	ntus, Stand Maturity, etc.)
Surrivial Deposits .		□ Midslope			pical growing	g 🗆 II	Wood	lland					
Soil Description:		□ Backslop□ Step in sl			eason ernal	□III	Shrub	land					
			e (lower, foot		estival	\Box IV	Dwar	f Shrubla	nd				
		□ Toeslope			ıtumnal	\Box V	Herba	iceous					
		□ Low leve		\Box W		\Box VI	Nonv	ascular					
		☐ Channel	wan (bank) bed (valley b		emporarily	□ VII	Spars	ely					
			or (depression	n) 1	looded		Vege	ated					
		□ Other:		□ Te	emporarily dry	⊓ VII	I Barre	n					□ more

Planted Woody Stem Data: CVS Level 1

Leader: Pr		Team:			Date:/_		Page of
Species Name	Source	Coordi X (0.1 m)	inates Y (0.1 m)	Height (1* cm)	DBH (1 cm)	Vigor	Damage
		, ,		,			
					_		
							_
Source: <u>Tr</u> ansplant, <u>L</u> ive <u>Tu</u> bling, Bare <u>R</u> oot, <u>A</u> uger, <u>M</u> ech				Vigor: <u>1</u> =unlikely to su	<u>4</u> =excellent, <u>3</u> =go rvive year, 0 =Dead	ood, <u>2</u> =fair, d, <u>M</u> issing.	↓

Damage: Removal, Cut, Mowing, Beaver, Deer, Rodents, Insects, Game, Livestock, Other/Unknown Animal, Human Trampled, Site Too Wet, Site Too Dry, Flood, Drought, Storm, Hurricane, Diseased, Vine Strangulation, Unknown, specify other.

*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> : <u>P</u>	ro	ject:	<u>T</u>	eam:		<u>Pl</u>	<u>ot</u> :		Date		/	/		
Species Name		Source			nates	-		ight	Г	ВН	Via	<u></u>	D	amage
<u>Species</u> <u>Name</u>	1	Source	X (0.1	m)	Y (0.	1 m)	(1*	cm)	(1	cm)	Vig	<u>or</u>	D	amage
	ı													
	1													
	+													
	+													
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														_
	T													
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	+													
	+													
	+													
	-													
	_													
Source: <u>Tr</u> ansplant, <u>L</u> ive											good, <u>2</u> =			↓
<u>Tu</u> bling, Bare <u>Root, Auger, Mec *Height precision drops to 10cm if</u>					owing F						ad, Miss		nown Anim	al, Human Trampled,
250-400cm and 50cm if >400cm.		Damage												known, specify other.
Natural Woody	C1	tome -	talliad	hv	cnoc	ioc		Exp	lanation ıbsampl	of cut-o	<u>ff</u>			
Height Cut-Off (All stems shorter the							e right.)	/			□ 100c	m 🗆 🗎	137cm	
		SEEDI	LINGS —	HE	IGHT	CLA	SSES	SAI	PLING	s — I)BH		TREES	— DBH
Species Name	√		10 cm-		cm-		cm-	Sub-	0.1		1 2 5	2.5	_	≥10
	c	Seed	50 cm	100	0 cm	137	7 cm	Sapl	0-1	em	1-2.5	2.5-	5-	(write DBH)
**Required if cut-off >10cm or subsamp	ole :	±100%		• ₁	• 2	• 2	• • ₁	—	•• 6	Q • 7	ΦΦΩ	₽- ₽0	10	Form WS2, ver 12.1
required if cut-off > room of subsamp	,10	7100/0.		. 1	• 4	• •	• • •						X 10	1 01111 W 02, VCI 12.1

Natural Woody Stem Data: CVS Levels 2 & 3

Page __ of ___

Leader: Project: Height Cut-Off (All stems shorter than the	is ore	ianora	Team:	Plot:	Date:	/	//	Ares (=100n	n²):	Explanati & subsam	on of cut pling*	-off					□ more
Teight Cut-On (An stems shorter than the	ils are	SEE	DLINGS —	- HEIGHT	CLASSES	S	APLINGS —	– DBH	7 (111		Т	REES	— D	вн			
Species Name			10 cm-	50 cm-	100 cm- 137 cm	Sub-		1-2.5 cm		5-	10-		20-		30-	35-	≥40 (write dbh)
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	-	_															
*Required if cut-off >10cm or any subsample	-/1000		0 1 0 2			<u> </u>	→ 7 → 8		F : T	12.2.7	2000 G	1: **	<u> </u>	<u> </u>			W(22) (3.5







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 1-2.5 cm 20-25-30-35-0-1 cm 2.5-5-10-15- \geq 40 (write DBH) c Mod Sapl **Species Name** Γree EntryTool2.2.7 ©2008 Carolina Vegetation Survey.







Cover Data: CVS Levels 3 & 4

Le	adeı	r:			Project:	Team:	Plot:	_ <u>D</u>	Date:	1	/		Ares:		Pa	ge o	<u> </u>
	S	tra	ta					Colum	n header	s are mo	dule nui	nbers (le	evel 4 or	ıly), witl	n cover c	codes bel	ow:
T	S	Н	(F)	(A)	<u>Spec</u>	ies <u>Name</u>	C										
							1										
							2										
							3										
							4										
							5										
							6										
							7										
							8										
							9										
							10)									
							1	1									
							1:	2									
							1:	3									
							1	1									
							1:	5									
							10	5									
							1	7									
							1:	3									
							1:)									
							20)									
							2	1									
							2:	2									
							2:	3									
							24	1									
							2.	5									
							20	5									
							2	7									
							2	3									
							29)									
							30)									
							3	1									
							32	2									
							3:	3									
							3-	1									
							3:	5									
							30	5									

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	e:/		/		Dep	<u>th</u> (1	-5):		A	res:		I	Page	<u>:</u>	of_	
	S	tra	ta						Columi presen	n hea	ders	are	couple	ts of	mod	ale a	nd c	orne	r nu liete	mbe	rs, u	nder	whi	ch
Т	S	Н	(F)	(A)	5	Species Nan	ne	c	presen		iruc	and	COVCI		3 arc	CIIC	rea	(see	11363	at 0	Ottol	11 01	pag	<u> </u>
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								36																l

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> </u>	<u>ate</u> :/		Page of	
Surveyors:			Distance to P	revious Transec	<u>t:</u> 20 m
Latitude/Northing of Origin:		Datum:		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