Plot Data: CVS Levels 1 & 2

General Inform	IATION	LOCATION	I	Eill in ONE	of the templetes helew, us	PLOT DIAGRAM ing the key to draw GPS locatio	n photos and p	osta Editabana if
Project Label:		General:				s. Draw any landmarks, such as		
Project Name:		State: County:			ndard 10m x 10m 142m diagonal):	Non-standard 5m x 20m (20.616m diagonal):		Key
<u>Team</u> :		Quadrangle:		Y	axis 🛔 Y		(meters)	$ \bigcirc^{\text{Plot origin}}_{(0,0) \text{ point}} $
<u>Plot</u> :		Place Names: 1)					(,)	\bigcirc GPS location
 Level 1 (planted stems only Level 2 (planted and natural 	y) 11 stems)	2) 3) EEP Reach:		<u>Bearing of</u> <u>Plot</u>		X		\frown point \frown photo taken,
Start Date: / dd/mmm/yyyy e.g. 15 / JAN	/ / 2007	Land Owner:		<u>X-Axis:</u> •	©▶X-	axis	(, $)$	• with direction • posts
End Date (if different):	/ /	$\bigotimes \frac{\text{GPS}}{x^{=}} \frac{\text{Receiver Location}}{y^{=}}$		Plot Size (ar	res, default=1):	○ →Photo	(,)	- posis
Party	Role** Plot	Coordinate System:	Coord. Units:	(An "are" is 10	00 m ²)	Identifier(s): NOTES		
	Leader	□ Other (<i>specify</i>):	$\Box \text{ deg. min. sec.}$ $\Box m \Box \text{ ft } \Box ____$	Layout: (an	If more space is ything unusual about pl	needed, check the box and use back ot layout and shape)	k of datasheets.	
		Datum: □ NAD83/WGS84 □ NAD27	Zone: (if applicable)					
		<u>Lat</u> :	(<u>or Northing</u>)					
		Long:	(<u>or Easting</u>)					□ more
		<u>Coordinate Accuracy</u> (m ra	adius):	Plot Locatio	on: (directions to plot, la	andscape content)		
**Roles: Co-leader, Assi Land owner, Taxon		GPS File Name:						
Soil Drainage		SITE CHARACTEI	RISTICS					
□ Excessively drained		Elevation:	\pm $\Box m$ $\Box ft.$	Plot Rationa	ale: (why location was o	chosen for the plot)		□ more
□ Somewhat excessivel	ly drained	Slope (degrees):						
Well drainedModerately well drain	nad	Aspect (degrees):						
\Box Somewhat poorly dra		Compass Type: □ magneti	c 🗆 true					
 Poorly drained Very poorly drained 		Plot Placement □ Representative	(check 1 or more)	Other Notes	: (invasive species, eros	sion, disturbances, etc.)		□ more
WATER Percent of Plot Submer Mean Water Depth:	ged: % cm	 Random Stratified Transect component Systematic (grid) Capture specific feature 	Further details of placement can be recorded in Plot Rationale.					
	NDARD U	JSED FOR PLANT IDENT	TIFICATION					_
Authority:		, Publ. Date:		1				□ more

Plot Data: CVS Level 3

GENERAL INFO	RMATION	LOCATI	ON				IAGRAM:	Hydrologic Regime*			
Project Label:		General:		Draw plot bou below. Also i	indaries and sh ndicate X and	ow location Y dimension	of any landmarks and objects in the key ns of plot, in meters.	 Intermittently/seasonally saturated (seldom flooded) 			
Project Name:		State: County:		-	Y♠			 Permanently/ semipermanently saturated (dry < 1 / yr, seldom flooded) 			
Team:		Quadrangle:		-				□ Occasionally flooded (<1 / yr) □ Temporarily flooded			
Plot:		Place Names: 1)		-				□ Intermittently flooded □ Semipermanently flooded			
Date (dd/mmm/yyyy):	/ /	2)	3)	-				 Dempermanently flooded Demonstration Flooded Didally flooded - daily 			
End Date (if > 1 day):	/ /	EEP Reach:		PLOT X-				\Box Tidally flooded - monthly			
Party	Role**			AXIS BEARING:	O		X	storms)			
	<u>Plot</u> Leader	Land Owner:			0			WATER			
		Source of coordinates (m			lot origin \bigotimes	GPS loca- tion point	$ \bigoplus_{\text{with direction}}^{\text{Photo taken,}} \bullet \underset{\text{of posts}}^{\text{Location}} $	VY ATEK Percent of Plot Submerged:% Mean Water Depth:cm Closest Dist. to Shore: m			
		$\bigvee_{X=}^{x=y}$		Plot Size (ar	es):		Photo Identifier(s):	Landform Type*:			
		Coordinate System:	Coord. Units:	T		• 4 • *	-	Landorm Type .			
**Roles: Co-leader, A	**Roles: Co-leader, Assistant, Guide, Land owner, Taxonomist, Other		$\begin{array}{c c} & \square \ deg. \ \square \ deg. \ min. \\ & \square \ m \ \square \ ft \ \square \ _ \end{array}$	□ Interfluve (raphic Pos	ridge)	No	TES			
		Datum:	Zone:	□ High slope □ High level	(shoulder, upp	er, convex)		he box and use back of datasheets			
Soil Drainage*	Salinity*	□ NAD83/WGS84 □ NAD27	□ Midslope	1.00		Layout: (anything unusual about	plot layout and shape)				
□ Excessively drained	□ Saltwater	<u>Lat</u> :	 Backslope (Step in slop 	e							
 Somewhat excessively Well drained 	□ Brackish			□ Lowslope (□ Toeslope	lower, foot, col	lluvial)					
Moderately well d.Somewhat poorly d.	□ Fresh	Long:	<u>(or Easting)</u>	□ Low level (□ Channel wa				□ more			
□ Poorly drained	\Box Upland (n/a)	Coordinate Accuracy (n radius):		d (valley botto	m)	Plot Location: (directions to plot, landscape content)				
□ Very poorly drained		GPS File Name:		Other:							
Soil Series / Type:				COVE	R BY STR	ATA	-				
Soil Series Source:		SITE CHARAC	_	Canopy He	ight (m):		-	□ more			
Soil Texture*:		Elevation:	\pm $\Box m$ $\Box ft.$	Strata	Height	Total	Plot Rationale: (why location wa	s chosen for the plot)			
Rock Type*:		Slope (degrees):		Strata	Range (m)	Cover (%)					
Surficial Deposits*: Soil Descr.:		Aspect (degrees):		Tree	-						
Soli Descr.:		Compass Type: 🗆 mag	netic 🗆 true	S hrub	-						
	<u>e</u> xcellent, <u>g</u> ood, <u>;</u>	<u>f</u> 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	-		Vegetation: (characterization of	community dominants and			
Provisional comm Comm.(1)		Fit=Conf=	□ Representative	(F loating)	_		principle strata)	community, community, and			
Comm.(2)		Fit=_Conf=	□ Random □ Stratified				-				
Classifier		Date//	□ Transect component	(A quatic Submerged)	-						
		USED FOR I LANIS	□ Systematic (grid) □ Capture specific	Strata in parer	theses often n		-	□ more			
Authority:	,	Publ. Date:	feature	but should be	filled in if they	v exist.					

Plot Data: CVS Levels 4 & 5

GENERAL INFORMATION	LOCATION		OT DIAGRA		Standard one module plot: Y▲(14.142m diagonal)							
Project Label:	General:	or one on the	mplate below (2- e right (1 module	e plot),	2	3		Non-standard 20.616m diago	5m x 20m plot: onal)			
Project Name:	State: County:	needed, to sh	y below. Edit sh now actual arran	gement of	5		Y					
Team:	Quadrangle:	modules, sar of any landn	npled corners, an narks.	nd location				1	23			
Plot:	Place Names: 1)	Y	•		O ¹	4 X	Ó)	4			
□ Level 4 (no nested corners sampled) □ Level 5 (nested corners sampled)	2) 3)	2-10		3	4	3	4					
Date (dd/mmm/yyy): / /	Land Owner:	module plot:	#10		#9	#8		#7	#6			
End Date (if > 1 day): / /	Data Confidentiality: Check one: □ Public Data □ Private Data		#10		#9	#0		#7	#0			
Party Role**		(2	1	2	1					
Plot Leader	Reason: If data not public, why?	$\frac{Plot X}{Axis}$		1	2	1	2		2			
	Source of coordinates (map, GPS):	Bearing:	#1		#2	#3		#4	#5			
	GPS location in plot (meters):	-		4	3	4	3					
	$\bigotimes_{x=}^{\text{GPS location in plot (meters):}} y=$	Diagram	O Plot orig		GPS location	on 🔿		o taken,	 location of 			
	Coordinate System: Coord. Units: Lat/Long UTM State Plane deg. deg. min. Other (specify): m ft	Key:	(0,0) po or <u>Cover Data</u>	int O	point		N	direction NOTES	permanent posts			
**Roles: Co-leader, Assistant, Guide,	Datum: Zone: NAD83/WGS84 □ NAD27 (if applicable)	🛛 🗆 Stems p	t sampled on this present □ Stems Size, <u>Stems</u> (ar	absent –					use back of datasheets. out and shape)			
Land owner, Taxonomist, Other	Lat: (or Northing)	Depth (1-5	5): (Le	vel 5 Only)								
SAMPLING QUALITY*			Modules:	, , ,	-							
Effort Level: Very thorough Accurate 	Long: (or Easting)		noto Identifie	r(s):	Plot Location: (directions to plot, landscape content)							
□ Hurried	Coord. Accuracy (m radius):		9		-							
Taxonomic Accuracy: (for each category)	GPS File Name:		ER BY STR	ATA	_							
CategoryHighMod- erateNot sampled	SITE CHARACTERISTICS	Canopy H	eight (m):		_				□ more			
Vascular: n/a	Elevation: \pm \Box fi.	<u>Strata</u>	<u>Height</u> <u>Range (m)</u>	<u>Total</u> Cover (%)	Plot Ration	nale: (why l	ocation	was choser	n for the plot)			
Bryophyte:	Slope (degrees): Aspect (degrees):	Tree	-									
Lichen:	Compass Type: magnetic true	Shrub	-		_							
Classification* Fit: excellent, good, t	fair, poor; Conf: high, med, low Plot Placement:	Herb			□ more Vegetation: (characterization of community, dominants, and							
Provisional comm		(F loating)			vegetation	·	rization	of commun	ity, dominants, and			
Comm.(1) Comm.(2) Classifier	Fit=_Conf= □ Random Fit=_Conf= □ Stratified Date// □ Transect component	(Aquatic	_		FF)			O V			
TAXONOMIC STANDARD	-	id) Submerged)							E R □ more			

Project: Team: Pl	ot:	Plot Dat	ta: CVS L	evels 4	& 5 ((page 2)				page 2 of 2		
SOIL INSTRUCTIONS Depths (right): After measuring	Soil Di		EART Underlyir			ROUND COVE		MCNAB Indices	LFI: Landforn	TSI: Terrain Shape Index		
a corner (at the circle) cross it out on the diagram below.	Length of soil probe:	cm elow, correct if neede			G	Fround Cover	:	(degrees) + for upslope	Index (position with	(site micro-		
Samples (below): Mark location	Module Corner	Soil Depth (cm)) percent	`	$ch \leq 100\%$	percent	- for downslope	landscape)	shape)		
of soil samples with a	2 1		Histosol			oody Debris >5cm		at aspect				
triangle and horizon, e.g.: $\angle B$ Other soil data: enter below.	2 2 2 3		Mineral Soil / Sediment			ody Debris <5cm		+45 degrees +90 degrees				
	2 4				Litter			+135 degrees				
$3 \downarrow 1m \downarrow 4 3 \downarrow 4$	3 1 3 2		Gravel / Cobble		Duff (F+I	· · · · · · · · · · · · · · · · · · ·		+180 degrees				
#9 #8	3 3				Bryo / Lie	cnen		+225 degrees				
	3 4		Boulder		Water			+270 degrees				
2 1 2 1	8 1 8 2		Bedrock		Other (nan			+315 degrees				
$1 \qquad \qquad$	8 3						ATER					
	8 4				logic Re	0		Salini	ity*	Soil Drainage*		
#2 #3	9 1		□ Upland (sele	dom flooded)		Intermittently floo		\Box Saltwater \Box	Fresh	Excessively drained		
	9 2 9 3		(seldom flo	oded)		Permanently flood	ed	\Box Brackish \Box		Somewhat excessively		
	9 4					Tidally flooded - d Tidally flooded - r		Aquatic V	egetation 🗆	Well drained		
SOIL SAMPLES	Organic layer depth:			flooded (<1 / y	/r) [Tidally flooded - i	rregular	Mean water de Closest distan		Moderately well dr.		
Module* Horizon	Homoge	noity		flooded	_	(wind, storms)	-			Somewhat poorly dr. Poorly drained		
1-10, S (plot deep sample) (A,B,C)	□ Homogeneous	eneny			L	Unknown	RBANC			Very poorly drained		
	□ Compositional trend	l across plot	S	everity Vrs	0/ 0	DIST	MDAIL			1.77		
	Conspicuous inclusi		Туре	(none, ago		Desc	ription	C	Current Lan	d Use:		
	Irregular / pattern m	osaic	I human	(none, ,M,H) ago	plot							
	Stand Size	Landform										
	$\square > 1,000 \times \text{plot size}$	Type*:	natural									
	$\Box > 100 \times \text{plot size}$		fire					I	Former Lan	d Use:		
Soil Series / Type:	$\Box 10-100 \times \text{plot size}$ $\Box 3-10 \times \text{plot size}$		clear-cut									
	\Box 1-3 × plot size											
Soil Series Source:	\Box < plot size		animal									
Soil Texture*:	Topographic P	osition*	other									
Rock Type*:	□ Interfluve (crest, summ □ High slope (shoulder, u	nit, ridge)	eason of Plot	Physiog	gnomy*	Additional N	Notes:			~		
Surficial Deposits*:	□ High level		Sampling Typical growing	□ I Fores	st	(Representativene	ess of the pl	ot to the stand, S	uccessional Statu	s, Stand Maturity, etc.)		
Soil Description	 Midslope Backslope (cliff) 		season	□ II Woo								
Soil Description:	□ Step in slope		Vernal	□ III Shrul								
	□ Lowslope (lower, foot, □ Toeslope	·	Aestival		f Shrubland							
	\Box Low level (terrace)		Autumnal Winter		aceous ⁄ascular							
	\Box Channel wall (bank)		Temporarily	Spore								
	□ Channel bed (valley bo □ Basin floor (depression	n)	flooded	□ VII Vege	tated							
	Other:	´ □]	Temporarily dry	□ VIII Barre	en	□ m						

Form PLT45, ver 8.3

Leader: Pi	roject:	Team	<u>P</u>	<u>ot:</u>	Date:	/ /		Page of
<u>Species Name</u>	Source	Coord		ddh	<u>Height</u>	DBH	Vigor	Damage
<u>Species</u> Manie	Source	X (0.1 m)	Y (0.1 m)	(1 mm)	(1* cm)	(1 cm)	<u>vigor</u>	Damage
	+							
Source: <u>Tr</u> ansplant, <u>L</u> ive <u>Tu</u> bling, Bare <u>R</u> oot, <u>M</u> ech	stake, <u>B</u> all nanically pla	and burlap, <u>P</u> ot, anted, <u>U</u> nknown		<u> </u> 1=ui	Vigor: <u>4</u> =	=excellent, <u>3</u> =go ive year, <u>0</u> =Dead) ood, <u>2</u> =fair, d, <u>M</u> issing.	Ļ
	Damage: R	emoval. Cut. Mo	wing. Beaver. D	Deer. Rodents.	Insects. Game.	Livestock. Other	/Unknown A	nimal, Human <u>Tram</u> pled,
*Height precision drops to 10cm i	f > 2.5m ar	nd 50cm if >4n	n. EntryTool	, Drou ght, <u>St</u> 2.2.6 ©20	008 Carolina Ve	getation Survey. c	cvs.bio.unc.ec	, <u>Unkn</u> own, specify other. du Form PWS12, ver 8.3

Planted Woody Stem Data: CVS Level 1

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

Page __ of ___

Leader: H	Pro	ject:	<u>T</u>	eam:	:	Pl	<u>ot:</u>		Date:	//	/			
Spacios Nomo		Soura	<u></u>		inates		dd		<u>Height</u>	DBH	V	gor		Domago
<u>Species Name</u>	-	Sourc	e X (0.1	m)	Y (0.	1 m)	(1 m	m)	(1* cm)	(1 cm)	<u>•</u>	gor		Damage
	┥		+					-+						
	+													
	+													
Source: <u>Tr</u> ansplant, <u>L</u> iv	e si	take, <u>B</u> a	ll and burlap	o, <u>P</u> ot,						=excellent, <u>3</u>				\downarrow
<u>Tubling</u> , Bare <u>Root</u> , <u>Mea</u> *Height precision drops to 10cm if	cha					Reaver	Deer F		ikely to survi				nimal	, Human Trampled,
>2.5m and 50cm if >4m.		Dama												own, specify other.
Natural Woody	S	tems	- tallied	l hv	snec	ies		₹ <u>Ex</u>	planation <u>of c</u> subsampling*	sut-off *-				
Height Cut-Off (All stems shorter th							e right.)	·			m □	37cm		
		SEEL	DLINGS —	1				SA	PLINGS -	– DBH		TRE	ES —	– DBH
<u>Species Name</u>	\checkmark	Sub-	10 cm-		cm-		cm-	Sub-	0-1 cm	1-2.5	2.5-	5-		≥10
	c	Seed	50 cm	10	0 cm	13	7 cm	Sapl	0-1 CIII	1-2.3	2.3-	5-		(write DBH)
									 					
								—						
													Τ	

Natural Woody Stem Data: CVS Levels 2 & 3

Leader: Project: Height Cut-Off (All stems shorter than the	nis ar	re ignor	Team: ed. If >10cm. e	Plot:	Date he right.): □	Date: / Ares (=100m ²): .): □ 10cm □ 50cm □ 100cm □ 137cm SSES SAPLINGS — DBH □ □ □ □ □					Explanation of cut-off ▲ subsampling*: □ mor									
		SEE	DLINGS —	- HEIGHT	CLASSES	S	APLINGS -	– DBH			Т	REES	— DI	BH						
<u>Species Name</u>	√ c	Sub- Seed	10 cm-		100 cm-	Sub-		1-2.5 cm	2.5-	5-					30-	35-	≥ 40 (write dbh)			
*Required if cut-off>10cm or any subsample	≠10	0%.	•1 •2		•••5 ••	6	7	1 9 1 0	EntryTo	012.2.6	2008 Car	olina Ve	getation	Survey.	F	orm NV	WS23, ver 8.3			

: <u>Project</u> :]	[[eam	:]	Plot: Da	te: / /		Ares: P	lot Sapling St	ubsample 9	%:	<u>Plot</u> Tr	ee Sul	osamp	le %:	Page_
·				SAPLINGS						TREES					
<u>Species Name</u>	₹ c	Mod	Sub Sapl	0-1 cm	1-2.5 cm	Sub Tree	2.5-	5-	10-	15-	20-	25-	30-	35-	≥ 40 (write
						_									

Le	Leader: Strata			Project:	Team:	Plot:	_ <u>I</u>	Date:	1	1		Ares:		Pa	<u>ge o</u>	<u>f</u>	
	S	tra	ta					Colum	n header	s are mo	dule nu	nbers (le	evel 4 or	nly), witl	n cover c	codes bel	ow:
Т	S	Η	(F)	(A)	<u>Spec</u>	<u>cies Name</u>		;									
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Cover Data: CVS Levels 3 & 4

Le	ade	<u>r:_</u>			Project:	<u> Team:</u>	<u>Plot:</u>	Plot: Date: / Depth (1-5): Ares: Page Column headers are couplets of module and corner numbers, under																		
	S	tra	ta						Co	lum	n he	ader alue	s are	e couj d cov	plets	s of 1 odes	mod s are	nodule and corner numbers, under which are entered (see lists at bottom of page)								
Т	S	Η	(F)	(A)		<u>Species Nan</u>	ne	c	P-																1.12	
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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%=* **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

Cover Data: CVS Level 5