Plot Data: CVS Levels 4 & 5

General Information

Project Label:

Project Name:

Team:

Plot:

☐ Level 4 (no nested corners sampled)
☐ Level 5 (nested corners sampled)

Date (dd/mmm/yyy): / /

End Date (if > 1 day): / /

Party	Role**
	Plot Leader

**Roles: Co-leader, Assistant, Guide, Land owner, Taxonomist, Other

Sampling Quality*

Effort Level:
☐ Very thorough
☐ Accurate
☐ Hurried

Taxonomic Accuracy:
(for each category)

Category	High	Mod-erate	Low	Not sampled
Vascular:				n/a
Bryophyte:				
Lichen:				

Location

General:

State: County:

Quadrangle:

Place Names: 1)

2) 3)

Land Owner:

Data Confidentiality:
Check one: ☐ Public Data ☐ Private Data
☐ Fuzz 1 km ☐ Fuzz 10 km ☐ Fuzz 100 km

Reason:
If data not public, why?

Source of coordinates (map, GPS):

⊗ GPS location in plot (meters):
x= y=

Coordinate System:
☐ Lat/Long ☐ UTM ☐ State Plane
☐ Other (*specify*): _____

Coord. Units:
☐ deg. ☐ deg. min.
☐ m ☐ ft ☐ _____

Datum:
☐ NAD83/WGS84 ☐ NAD27

Zone:
(if applicable)

Lat: **(or Northing)**

Long: **(or Easting)**

Coord. Accuracy (m radius):

GPS File Name:

Site Characteristics

Elevation: ± ☐m ☐ft.

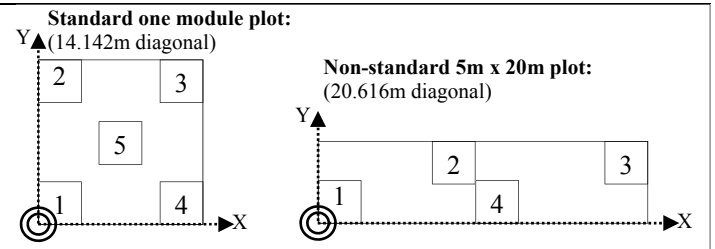
Slope (degrees):

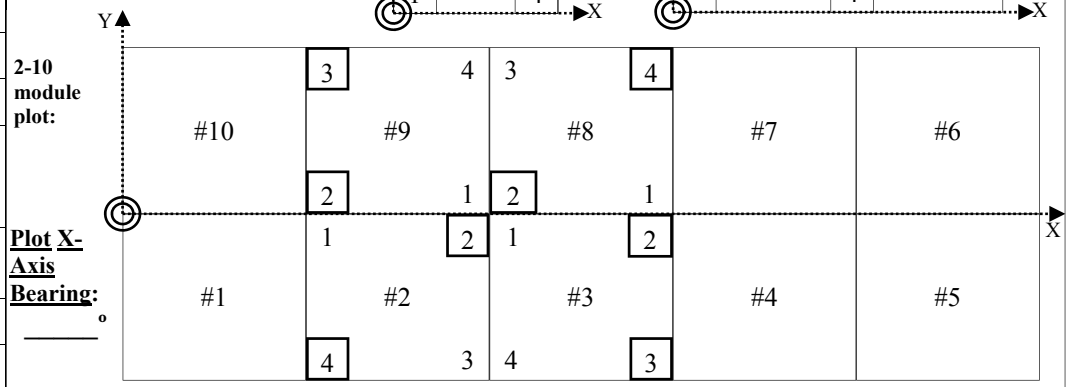
Aspect (degrees):

Compass Type: ☐ magnetic ☐ true

Plot Diagram

Fill in the template below (2+ modules) or one on the right (1 module plot), using the key below. Edit shape if needed, to show actual arrangement of modules, sampled corners, and location of any landmarks.





Plot X-Axis Bearing: _____ °

Diagram Key: ◎ Plot origin (0,0) point ⊗ GPS location point ○→ photo taken, with direction ● location of permanent posts

Plot Size for Cover Data (ares): __

☐ Stems not sampled on this plot
☐ Stems present ☐ Stems absent
Plot Size, Stems (ares): ____

Depth (1-5): (Level 5 Only)

Intensive Modules: , , ,

○→ Photo Identifier(s):

Cover by Strata

Canopy Height (m):

Strata	Height Range (m)	Total Cover (%)
Tree	-	
Shrub	-	
Herb	-	
(Floating)	-	
(Aquatic Submerged)	-	

Strata in parentheses often not present, but should be filled in if they exist.

Notes

If more space is needed, check the box and use back of datasheets.

Layout: (anything unusual about plot layout and shape)

☐ more...

Plot Location: (directions to plot, landscape content)

☐ more...

Plot Rationale: (why location was chosen for the plot)

☐ more...

Vegetation: (characterization of community, dominants, and principle strata)

☐ more...

OVER

Classification*

Fit:excellent,good, fair, poor; Conf: high, med, low

Provisional comm._____

Comm.(1)_____Fit=__Conf=__

Comm.(2)_____Fit=__Conf=__

Classifier _____ Date ___/___/___

Plot Placement:

(check 1 or more)
☐ Representative
☐ Random
☐ Stratified
☐ Transect component
☐ Systematic (grid)
☐ Capture specific feature

Taxonomic Standard Used for Plants

Authority: _____, **Publ. Date:** _____

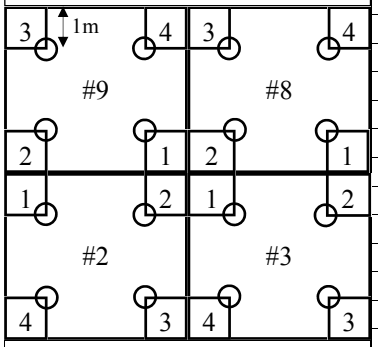
Required Fields in Bold and Underlined. *Definitions & values in Definitions section of the CVS Field Guide. EntryTool2.2.6 ©2008 Carolina Vegetation Survey. cvs.bio.unc.edu Form PLT45, ver 8.3

Project: _____ Team:_____ Plot:_____

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

Soil Instructions

Depths (right): After measuring a corner (at the circle) cross it out on the diagram below.
Samples (below): Mark location of soil samples with a triangle and horizon, e.g.: △B
Other soil data: enter below.



Soil Depths

Length of soil probe: _____cm
standard corners given below, correct if needed

Module	Corner	Soil Depth (cm)
2	1	
2	2	
2	3	
2	4	
3	1	
3	2	
3	3	
3	4	
8	1	
8	2	
8	3	
8	4	
9	1	
9	2	
9	3	
9	4	

Organic layer depth: _____cm

Earth Surface & Ground Cover

Underlying Earth Surface: (sum =100%)	percent	Ground Cover: (each ≤100%)	percent
Histosol		Coarse Woody Debris >5cm	
Mineral Soil / Sediment		Fine Woody Debris <5cm	
		Litter	
Gravel / Cobble		Duff (F+H)	
		Bryo / Lichen	
Boulder		Water	
Bedrock		*Other (name):* _____	

McNab Indices

(degrees)
+ for upslope
- for downslope

at aspect		
+45 degrees		
+90 degrees		
+135 degrees		
+180 degrees		
+225 degrees		
+270 degrees		
+315 degrees		

LFI: Landform Index (position within landscape)

TSI: Terrain Shape Index (site micro-topographic shape)

Water

Hydrologic Regime*

- ☐ Upland (seldom flooded)
- ☐ Intermittently / seasonally saturated (seldom flooded)
- ☐ Permanently / semipermanently saturated (dry < 1 / yr, seldom flooded)
- ☐ Occasionally flooded (<1 / yr)
- ☐ Temporarily flooded
- ☐ Intermittently flooded
- ☐ Semipermanently flooded
- ☐ Permanently flooded
- ☐ Tidally flooded - daily
- ☐ Tidally flooded - monthly
- ☐ Tidally flooded - irregular (wind, storms)
- ☐ Unknown

Salinity*

☐ Saltwater ☐ Fresh
☐ Brackish ☐ Upland (n/a)

Aquatic Vegetation

Mean water depth:___cm
Closest distance to shore: _____ m

Soil Drainage*

- ☐ Excessively drained
- ☐ Somewhat excessively
- ☐ Well drained
- ☐ Moderately well dr.
- ☐ Somewhat poorly dr.
- ☐ Poorly drained
- ☐ Very poorly drained

Soil Samples

Module* 1-10, S (plot deep sample)	Horizon (A,B,C)

Soil Series / Type:

Soil Series Source:

Soil Texture*:

Rock Type*:

Surficial Deposits*:

Soil Description:

Homogeneity

- ☐ Homogeneous
- ☐ Compositional trend across plot
- ☐ Conspicuous inclusions
- ☐ Irregular / pattern mosaic

Stand Size

- ☐ >1,000 × plot size
- ☐ > 100 × plot size
- ☐ 10-100 × plot size
- ☐ 3-10 × plot size
- ☐ 1-3 × plot size
- ☐ < plot size

Landform Type*:

Disturbances

Type	Severity (none, L,M,H)	Yrs ago	% of plot	Description
human				
natural				
fire				
clear-cut				
animal				
other				

Current Land Use:

Former Land Use:

Topographic Position*

- ☐ Interfluve (crest, summit, ridge)
- ☐ High slope (shoulder, upper, convex)
- ☐ High level
- ☐ Midslope
- ☐ Backslope (cliff)
- ☐ Step in slope
- ☐ Lowslope (lower, foot, colluvial)
- ☐ Toeslope
- ☐ Low level (terrace)
- ☐ Channel wall (bank)
- ☐ Channel bed (valley bottom)
- ☐ Basin floor (depression)
- ☐ *Other:* _____

Season of Plot Sampling

- ☐ Typical growing season
- ☐ Vernal
- ☐ Aestival
- ☐ Autumnal
- ☐ Winter
- ☐ Temporarily flooded
- ☐ Temporarily dry

Physiognomy*

- ☐ I Forest
- ☐ II Woodland
- ☐ III Shrubland
- ☐ IV Dwarf Shrubland
- ☐ V Herbaceous
- ☐ VI Nonvascular
- ☐ VII Sparsely Vegetated
- ☐ VIII Barren

Additional Notes:

(Representativeness of the plot to the stand, Successional Status, Stand Maturity, etc.)

☐ more...

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Natural Woody Stem Data: CVS Levels 4 & 5

Explanation of subsampling*: ☐ more...

Leader:_____ **Project:**_____ **Team:**___ **Plot:**_____ **Date:**____/____/_____ **Ares:**___ **Plot Sapling Subsample %:**_____ **Plot Tree Subsample %:**_____ Page__ of ___

Species Name	☑ c	Mod	Sub Sapl	SAPLINGS — DBH 0-1 cm	1-2.5 cm	Sub Tree	TREES — DBH 2.5-	5-	10-	15-	20-	25-	30-	35-	≥40 (write DBH)
			___			___									
			___			___									
			___			___									
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			___			___									
			___			___									

*Explain how & why subsampled. Required if subsample≠100%. 1 2 3 4 5 6 7 8 9 10

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Cover Data: CVS Level 5

Leader:_____ **Project:**_____ **Team:**___ **Plot:**_____ **Date:**____/____/_____ **Depth** (1-5):___ **Ares:**___ **Page** __ **of** ___

Strata

Column headers are couplets of module and corner numbers, under which presence values and cover codes are entered (see lists at bottom of page)

T	S	H	(F)	(A)	**Species Name**	c																		
						1																		
						2																		
						3																		
						4																		
						5																		
						6																		
						7																		
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						35																		
						36																		

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

EntryTool2.2.7 Form COV5, v9.1

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