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

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

Provisional comm._____
Comm.(1)_____Fit=__Conf=__
Comm.(2)_____Fit=__Conf=__
Classifier _____ Date ___/___/___

Taxonomic Standard Used for Plants

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

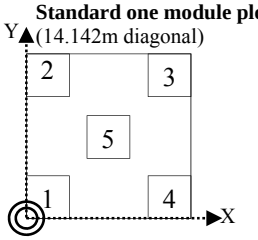
Plot Placement:

□ Representative
□ Random
□ Stratified random
□ Transect component
□ Systematic (grid)
□ Capture specific feature

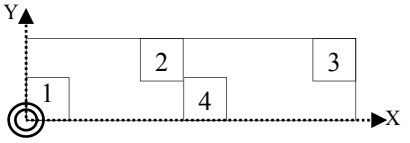
Plot Diagram

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.

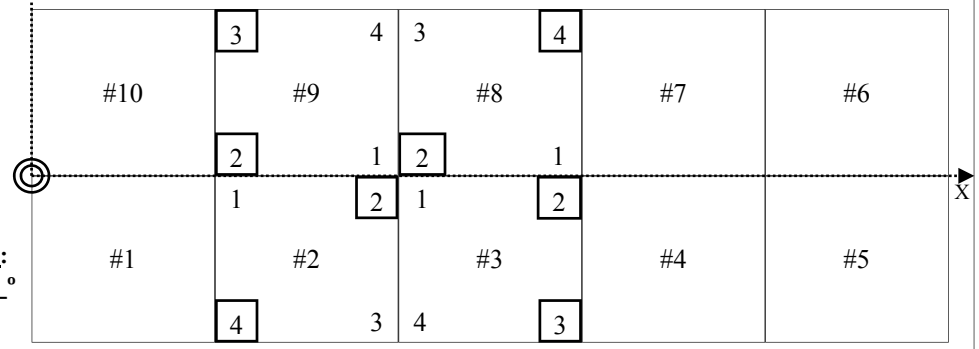
Standard one module plot:
(14.142m diagonal)



Non-standard 5m x 20m plot:
(20.616m diagonal)



2-10 module plot:



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	-	
(**F**loating)	-	
(**A**quatic 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

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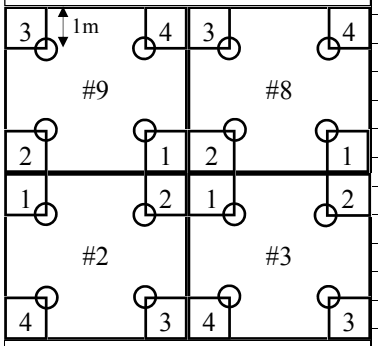
Project: _____ Team:_____ Plot:_____

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 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:

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

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*:

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

LFI: Landform Index

(position within landscape)

TSI: Terrain Shape Index

(site micro-topographic shape)

McNab Indices	LFI: Landform Index	TSI: Terrain Shape Index
at aspect		
+45 degrees		
+90 degrees		
+135 degrees		
+180 degrees		
+225 degrees		
+270 degrees		
+315 degrees		

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
- ☐ Impermeable surface

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)

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 EntryTool2.2.5 ©2008 Carolina Vegetation Survey. cvs.bio.unc.edu Form NWS45, ver 8.1

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																		

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

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