

Plot Master (Square Plot)

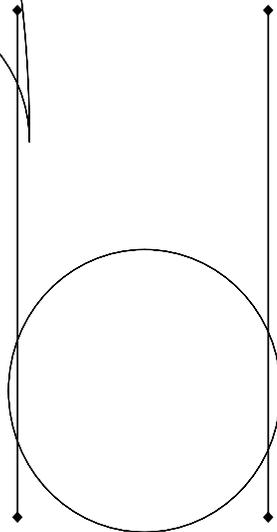
9/2008

Plot layout and photo instructions. Use **Plot acceptance criteria** below to evaluate potential plot locations. Once selected, layout the plot. The baseline should be positioned obliquely to the slope and 5 transects should be positioned parallel to one another and approximately 90° from the baseline. Flag each soil sample location according to transect number and meter mark in table below. The flags will be pre-labeled with the **Stratum-soil replicate ID** (e.g. G1, G2, G3...). Make a detailed soil description, preferably at the plot center, and record the primary soil description ID on the Plot Master. Enter information on the Plot Master for plot, terrain, location and "Sample Locations and ID." Hang photocard at the 0 meter mark of transect 1. Take photo of card and additional photos to cover plot. Record photo information on Photo Record.

Soil and vegetation sampling. At each soil sample location, describe and sample the soil to ~ 40* cm, collect stability samples and measure penetration resistance. Complete line-point intercept and gap along each transect. Place herbaceous subplots at meter marks 5 and 15 on each transect. Woody subplots are centered at transect 2, meter mark 15 and transect 4, meter mark 5. Complete one "Pedoderm, Pattern Classes" form for each plot. Use the Completed Sampling checklists to keep track of work completed on each plot.

* or to depth specified in workplan.

Example: Plot with one stratum (G), and 5 soil sample locations for that stratum labeled as **Stratum-soil replicate ID** G1, G2, etc).



Baseline, 20 m long

Transect, 20m long

Herbaceous production subplot, 1m-sq

Woody production

Stratum soil replicate ID*

★ Soil sample location, dynamic soil property

Soil sample location, full pedon description

○ Soil stability subsample

Soil sample location with 3 soil stability samples within 25 cm x 25 cm square

* Example: G1-G5 for grass stratum; or S1-S5 for shrub stratum; etc.

Plot acceptance criteria.

Evaluate potential plots in order as they appear on the potential points list.

- Plots are > 1 mile apart.
- Only 1 plot per soil polygon.
- Plot boundary is > 30 m from state phase and soil map unit boundaries and roads.
- Plant community is _____.
- Aspect is between _____° or _____°.
- Slope is _____ to _____ %.
- Soil component is _____.
- Plot boundaries are > 20 m from dissimilar soils.
- _____

Samples per plot	Sample location replicate no.	Transect	Meter mark	Samples per plot	Sample location replicate no.	Transect	Meter mark
5	1	1	1	6	1	1	1
	2	2	19		2	2	7.5
	3	3	10		3	2	19
	4	4	1		4	4	1
	5	5	19		5	4	12.5
7	1	1	1	9	6	5	19
	2	1	19		1	1	1
	3	2	12.5		2	1	12.5
	4	3	7.5		3	2	7.5
	5	4	12.5		4	2	19
	6	5	1		5	3	12.5
	7	5	19		6	4	1
				7	4	17.5	
				8	5	7.5	
				9	5	19	

Sample bag needs and destinations. Complete prior to field work.

Analysis	Horizons to sample	Amount (g)	Bag type	Number of bags	Send samples to