

Summit Lake Experimental Range Re seeding  
Plumas National Forest  
Beckwith Ranger District

This area is located in the northwest corner of the fenced administrative planting area. The seeding was made October 7, 1946. A drill was not available, therefore seeding was made by hand.

A heavy disc had been used for land preparation. Rows were made with a 4-row marker. The rows were 19½ inches apart and approximately 2 inches deep. Seed was planted in the rows by hand. A cultipacker was used for covering the seed and firming the seedbed.

Four commercial grasses and one native (mountain brome from Lassen National Forest) were planted at the rate of 20 pounds per acre in strips 396 feet long by 3½ feet wide along the east side as shown in the sketch of plots, attached. The four commercial species are as follows: timothy, smooth brome, western wheatgrass, and reed canary grass. A mixture was planted along the east side also and between the short row plot replications. This was designated as "Lodgepole mixture" and contained the following species: smooth brome, 40 parts by weight; Ladak alfalfa, 10; tall meadow oatgrass, 20; and timothy, 11. This "Lodgepole mixture" was planted at the rate of 20 pounds of seed per acre.

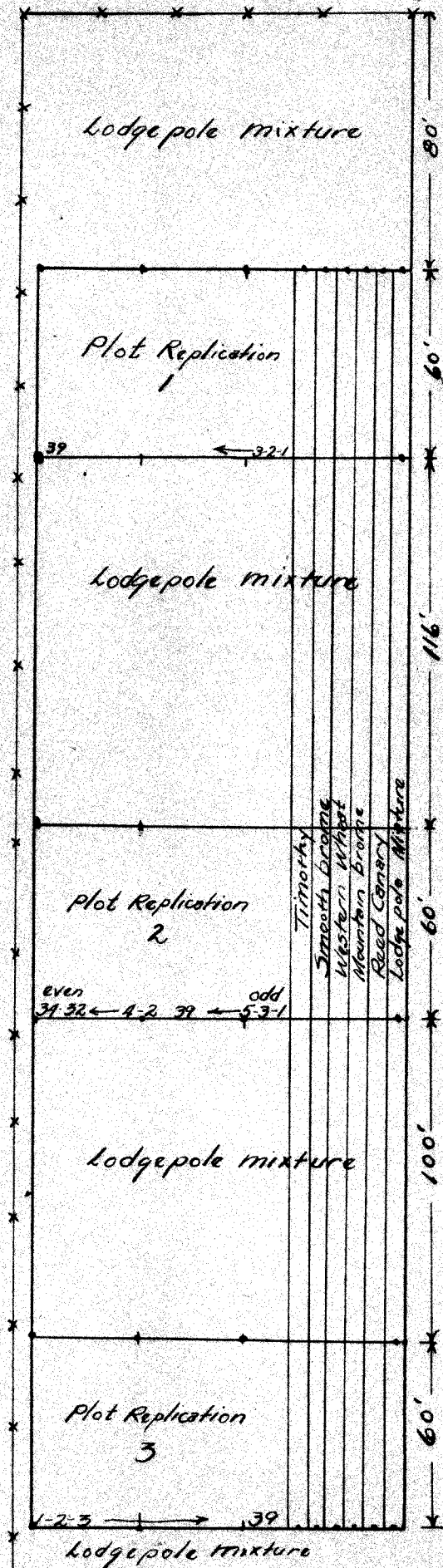
Twenty-three accessions were represented in the plot replications 1, 2, and 3 as designated on the plot sketch. Each accession was planted in triplicate rows. Each row was 60 feet in length and the rows were 19½ inches apart.

The accessions in the replicated plots are as follows:

Row No.	GR No.	Species
1	40	<i>Agropyron smithii</i>
2	62	" <i>oristatum</i>
3	50	<i>Agrostis alba</i>
4	48	<i>Bromis inermis</i>
5	56	<i>Dactylis glomerata</i>
6	28	<i>Elymus glaucus</i>
7	81	<i>Festuca idahoensis</i>
8	44	<i>Festuca rubra commutata</i>
9	66	<i>Trifolium hybridum</i>
10	43	<i>Medicago sativa-falcata</i>

Row No.	GR No.	Species
11	61	Mixture Trifolium hybridum and T. repens latum
12	32	Foa nevadensis
13	89	Furcraea tridentata
14	90	" "
16	54	Phalaris arundinacea
17	39	Phleum pratense
18	35	Foa ampla
25	37	Agropyron smithii
30	46	Agrostis alba tenuis
31	31	Arrhenatherum elatius
32	29	Dactylis glomerata
34	64	Phalaris arundinacea
39	85	Lolium perenne

# Sonmit Lake - Plots



Rows  $19\frac{1}{2}$  inches apart  
 Area tilled one-way  
 wheatland plow - Cultipacked  
 after seeding.