

Enroute to base camp set traps in research area A-7-11-48 at 1 mi. n nw Silver Lake at 9880 ft., Carbon Co., Wyoming. This area is an open field with several springs and rank vegetation, surrounded by large spruce trees. meadow supersaturated to contact will kill where it becomes dry. Traps 34-111 here. The second research area B-7-11-48 at 1 mi. SW Silver Lake, 9620 ft., Carbon Co., Wyoming and represents a linear series of traps 1-53 among solid stands of spruce and one series down the center of the meadow some 30 feet from the spruce - meadow contact. Photo 2-7-11-48 of research area B-7-11-48. The objective of this line was to determine the lateral movement of microtus into conifer forests. Returned to camp on Brush Creek. At twilight observed one *Bubo virginianus* flying across research area B-7-11-48 and down the main canyon.

8 mi. N and 16 mi. E Encampment, Carbon Co., Wyoming

July 12, 1948

This A.M. departed for research area B-7-11-48 at 1 mi. n w Silver Lake, Carbon Co., Wyoming. Enroute observed 5 marmota and 9 *Eutamias*. at B-7-11-48 inspected first series of traps 1-33 in coniferous forest:

1-12 uneffected; 13 *Sorex vagrans* 11-7-12-48; 14-33 uneffected. At parallel series 30' away in meadow collected the following: 34-37 uneffected; 38 sprung; 39 uneffected; 40 sprung; 41-53 uneffected. This catch of only one *Sorex* in 53 traps was not anticipated as the meadow, at least, showed considerable sign of microtus activity. In research area A-7-11-48 collected the following. This area had more *Mertensia* and a ranker growth than above:

54-57 uneffected; 58 *Hyllocichla guttata*; 59 uneffected; 60 *Hyllocichla guttata* 4-7-12-48, the above two thrushes were 1/2 grown. Adult birds near and calling; 61-79 uneffected; 80 *Dendroica auduboni* 57-12-48; 81-88 uneffected; 89 microtus longicaudus 6-7-12-48, traps among rank growth of flowers at edge of several springs from hillside; 90 uneffected; 91 *Phainopepla nitens* 7-7-12-48; 92 sprung; 93-108 uneffected; 109 *Sorex vagrans* 8-7-12-48; 110-111 uneffected. Continued to Lake Marie to photograph this area in morning light. Photo 9-7-12-48 across mirror Lake showing Snowy Range in background. Several keystone faults in range, one mass of dark granite off right center of picture. Considerable more