

Beaver Creek Camp, Madison River, 7200 ft., Gallatin Co., Montana

July 30, 1978

From 50 traps around a lily lake bordered by grasses, sedges willow and aspen. min. temp last night. 46° F.

<u>780730-1</u>	Sorex	110-43-13-7-10gms. ♀ lactating.
<u>780730-2</u>	Zapus	231-135-31-15-30gms ♀ lactating
<u>780730-3</u>	"	232-139-32-15-21gms ♀ ut normal.
<u>780730-4</u>	Microtus	128-33-17-11-24gms. ♂ testes 8 mm
<u>780730-5</u>	Peromyscus	170-75-21-18-24gms. ♂ testes 12 mm
<u>780730-6</u>	Zapus.	223-137-31-19gms ♀ ut. normal
<u>780730-7</u>	Zapus	222-134-30-15-24gms. ♂ testes 5 mm
m. only 780730-8	Zapus.	226-135-31-15-20gms, ♀ ut normal
" 780730-9	"	203-122-30-14-15gms. ♀ ut normal.
" 780730-10	"	200-120-30-14-14gms ♀ ut normal
<u>780730-11</u>	"	117-135-30-14-18gms. ♂ testes 5 mm
780730-12	Peromyscus maniculatus	170-74-20-17-22gms ♂ testes 10 mm
780730-13	"	145-61-20-15-15gms. ♂ testes 8 mm
780730-14	"	152-67-20-15-24gms. ♀ ut normal.

Prepared above mammals and left at 90834.0 at 12:30 A.M. Continued down canyon to slide area and took several photographs enroute:

Photo 780730-15 showing dam in distance and where debris from E side of valley jumped the river and glided up slope on W side of valley, removing all forests up to where it stopped its forward thrust. The <sup>dead</sup> conifer trees on left of photo were killed by high water from the original impoundment, later lowered by natural erosion and the Corps of Engineers.

Photo 780730-16 as above but nearer dam. Shows to better advantage the debris carried up hill by the slide from the east side of valley. This lake has been named "Quake Lake"

Photo 780730-17 from same position as above but to the E up the canyon.

Photo 780730-18 near dam showing outlet and full sweep of displaced hillside.

Continued down canyon. 4-6 well developed benchland at mouth of Madison. 859.1 striped skunk rd. kill. 861.4 striped skunk road kill, 864.6 Indian Cr., 866.3 striped skunk rd. kill, 871.8 Cameron, 882.5 Madison River at Ennis 883.2 N. side Ennis. 1:50 AM at Ennis.