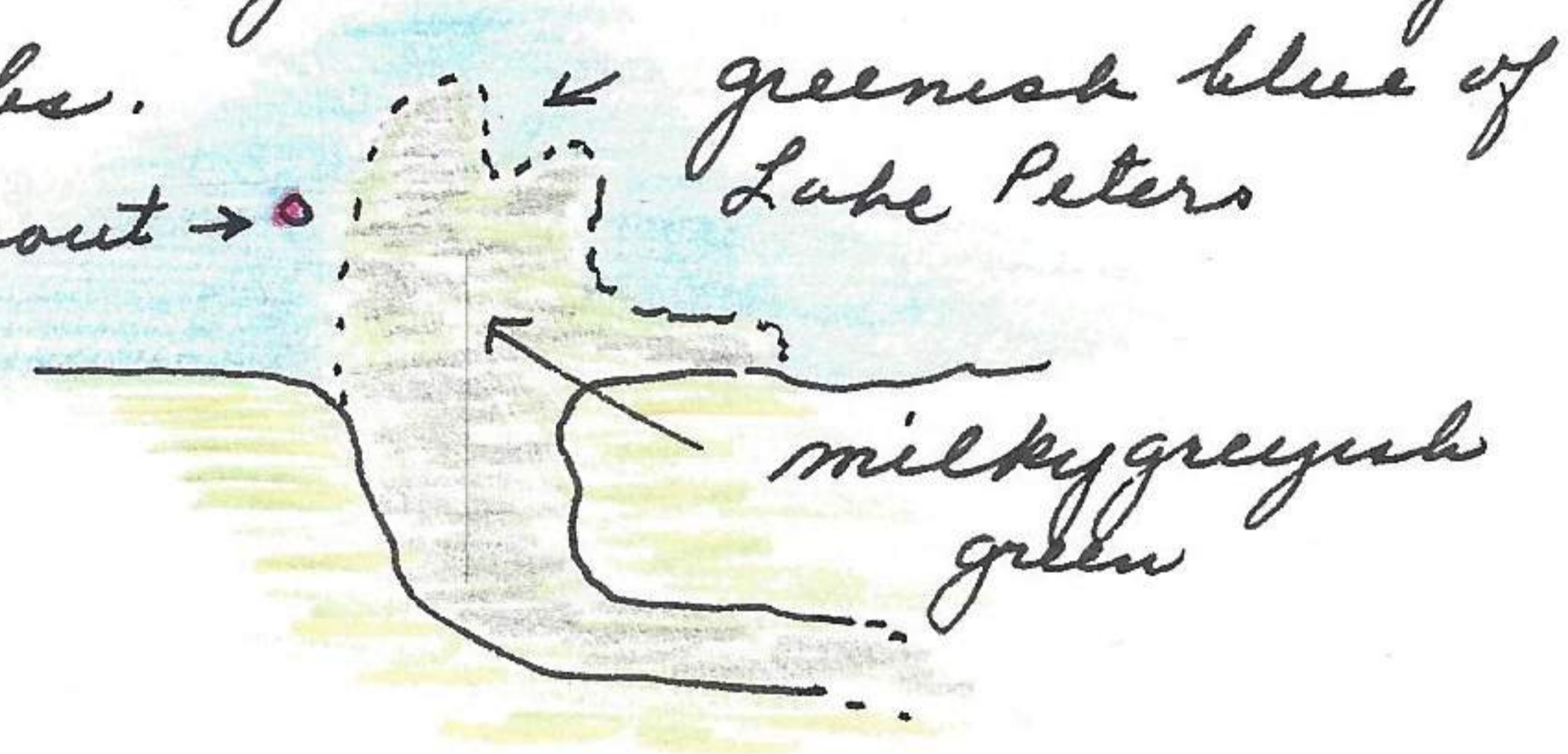


one area of ground is large as 6x6 inches which was not effected by the foot imprint of caribou. within the overall zone of migration lanes there are one or two trails which are used more than the rest of the trails. Some trails at edge of bank 1 1/2 feet deep. Trails, imprints and droppings of caribou are in practically every conceivable slope and as far as the end of the Chamberlin Glacier in canyon to the east. Many trail of caribou are in direct competition with the Dall Sheep. Temp at midnight 38°F, min 34°F & max 58°F.

Mount Mary, End Lake Peters, 45°10'02", 69°20'30", 2900ft., Brooks Range, Alaska.

Aug. 1, 1952

Organized camp and set 50 traps along base of moraine SW comp 600 feet of above coordinates. At 7:25 P.M. photographed (520801-10) Lake Peters to N showing typical conditions for this time of day. At entrance of main stream near camp caught a trout measuring 840 mm (standard) and weighed 20 lbs. Photo 520801-12 of Lake Peters to N at midnight. Every night this scene had a different color combination. Temp. at midnight 44°F, max 56°F, min 36°F in last 24 hours.



Aug. 2, 1952

Photo (520802-1) of caribou trails through grass and sedge fields at camp. Converging points in background at base of moraine segment. Some trails above to base of steep slope of mountain. Some of these trails were cleared down to bare soil, others with grasses trampled flat. Creeks of smaller size and many larger one offered no barrier to movement of caribou when travelling in herds. Photo (520802-2) of grass lying down and partly trampled into soft soils of wet meadows. This area had suffered complete trampling with *Eriophorum refulgens* in background. In this *refugia* caught *Lemmus* and *Microtus micurus* in same trap and in numbers suggesting an increase in abundance. The wet grass and sedge meadows had been used by small mammals but these had apparently been destroyed except those moving to *refugia* by the passing caribou. Other areas of trampled soils were also affected, a coaction of decided importance for valley or canyon floor inhabiting animals. Photo 520802-3 of caribou imprint made in mud July 26 in one segment of the