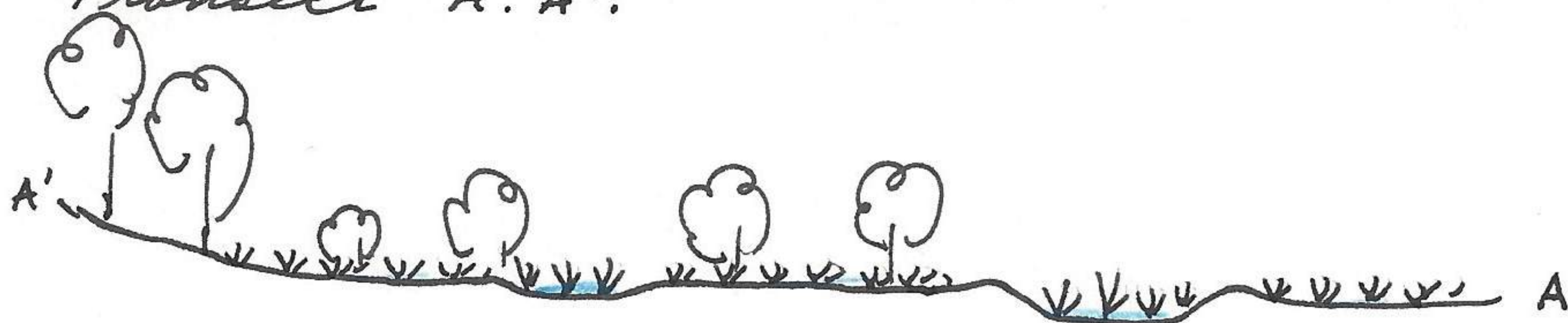
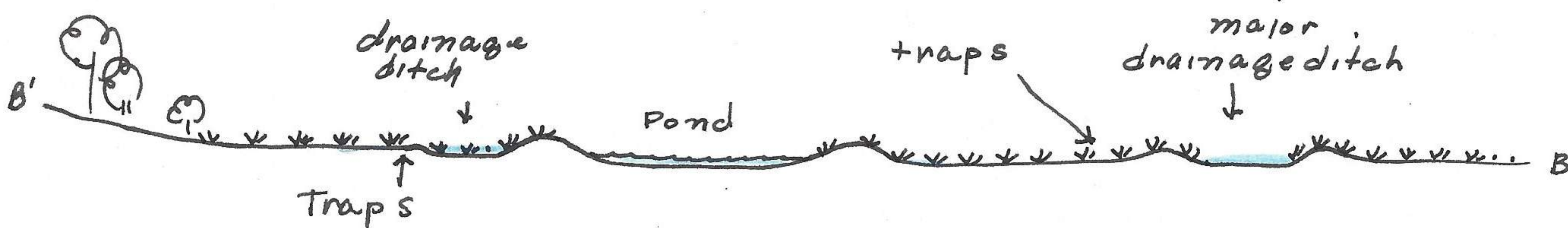


The following profiles show drainage slopes + vegetation.

Transect A-A':



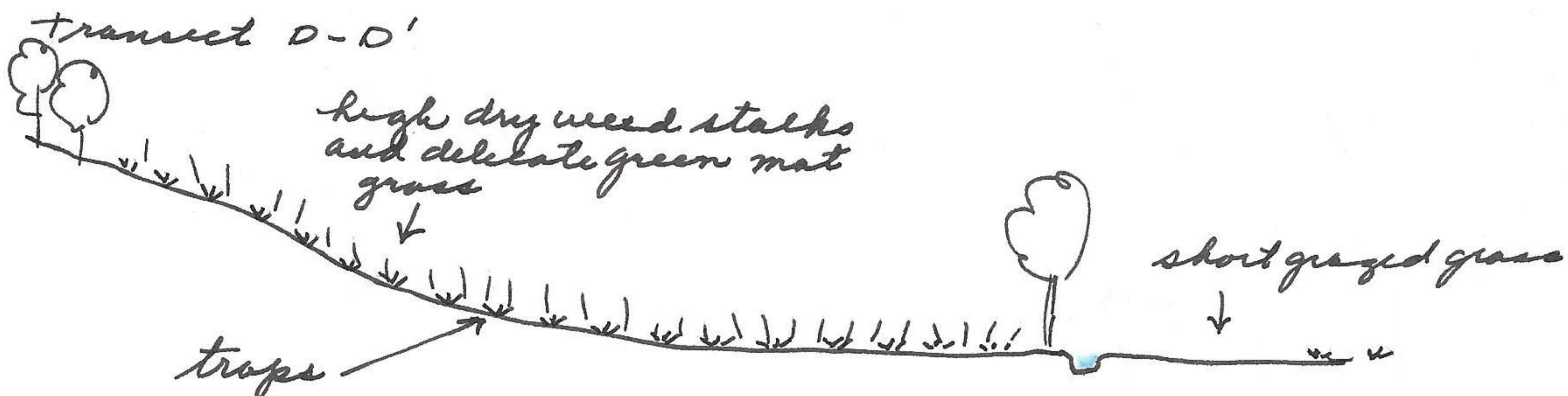
Transect B-B':



Transect C-C':



Transect D-D':



Soils on low flat areas of marsh meadow with frozen soil which were difficult to or impossible to thrust metal stakes to hold traps. Soils on slopes (area of traps 65-100) rich, soft and relatively free of frost. No snow on ground, ice on pond and 80° of drainage ditches. Five microtine nests had been excavated by carnivores. The meadow grasses in wet to damp soils, grasses and sedges average 1 foot high and concealed 90 percent of runways. The green mat grass (delicate) on slope field, ^{90% coverage} concealed 20 percent of runways. The weed stalks protected the runways below from hawk or owl predation.

Runways covered entire area of green color (see map) and were well developed and used not too long ago. Will estimate a high population last fall or early winter. From trap number 19 to road to west counted 22 runways that crossed the trail that led along slightly raised edge of the south side of the drainage ditch. Traps set between 4:30 A.M. and twilight. Temp high today 49°F. day cloudy. A *Microtus ochrogaster* taken from trap 23 this P.M. as I crossed trapline on return to car. It measured:

630216-1 *Microtus ochrogaster* 165-38-21-12-57gms

7-20-16, 1963