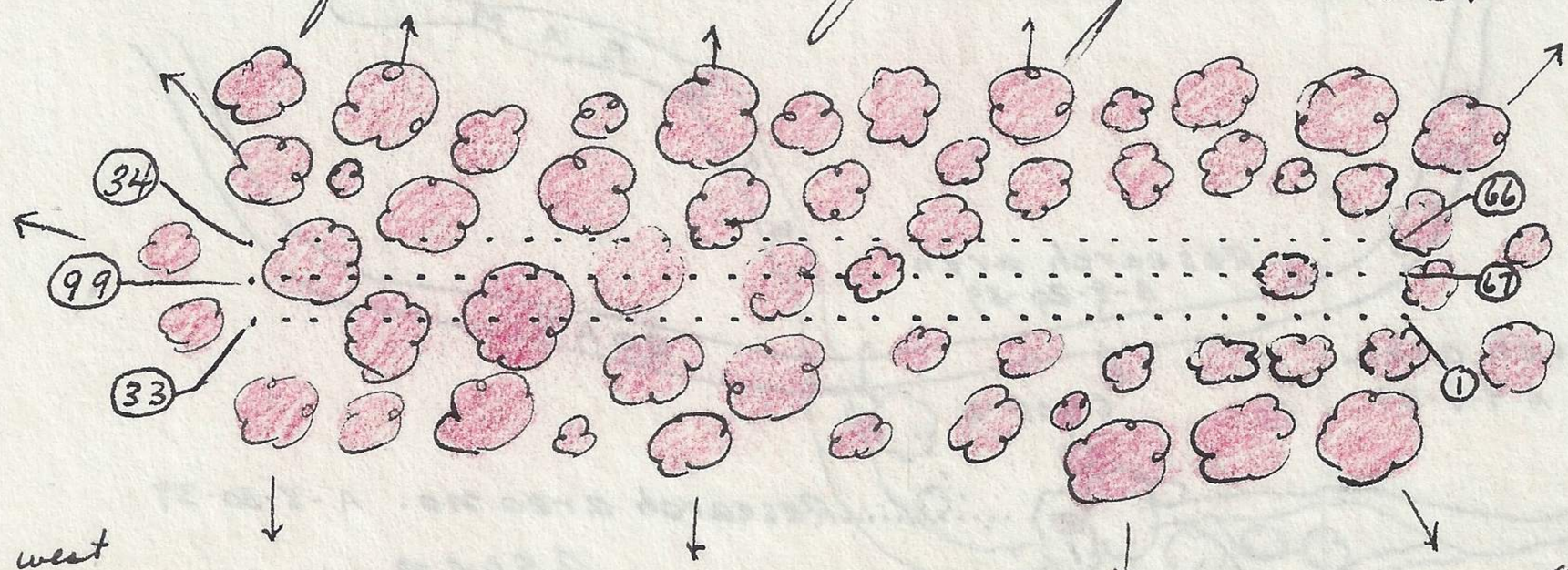
with travertine. At the uppermost spring the water bubbled up. Maple and oak some of which are very large are associated with the immediate environs. Deer tracks common but no signs of the animals. The country still shows evidence of the scars left by the sheep before it became a reserve, but shows an encouraging comeback. The hillsides and opening still support the secondary type of weed and in luxuriant growth as compared to the conditions of previous years when sheep cut up the bare & exposed surfaces of the ground where nothing remained except the dead & trampled skeletons of the vegetation. at 1/2 black down trail from spring found Pituophis c. d. in trail. It was about 1/3 grown. Rather a high altitudinal record. It was probably foraging along the spring course. Many gophers present on all sides. The vegetation on edge of water course is greener and ranking in growth. Grasshoppers common everywhere and in some area so numbers that one cannot even stop to count them as they fly up in front of you as you walk along the trail. Sceloporus graciosus graciosus, some very large and black along route, mainly near and by old logs House Finch at bottom of canyon also one cottontail here at end of trail on Bonneville level. —

8-29-39

Station 4 Timpanogos Basin. Half way up west basin. Established a station in Timpanogos Basin about 4 blocks up the west. or right hand canyon from the Ranger Cabin or forks of the American Fork Cirque canyon & the Timpanogos Cirque. This station is typically Canadian with tongues of ~~Hudsonian~~ from the higher elevations. Picture 1-12-10-39 shows the area with extensive aspen flats etc. Established research area <u>A-8-29-39</u>. This research area was to be devoted to a mammal population study with procedure conforming to the plans specified in notes of 3/7/39. The dimensions were modified to met the prevailing conditions.



The area is an aspen forest which is continuous to the north, east & west but about 200 to the south it becomes discontinuous and opens out into clearing. This area is

west
30 feet to road from trap 99.

located about 200 due north from station 4. The data represent