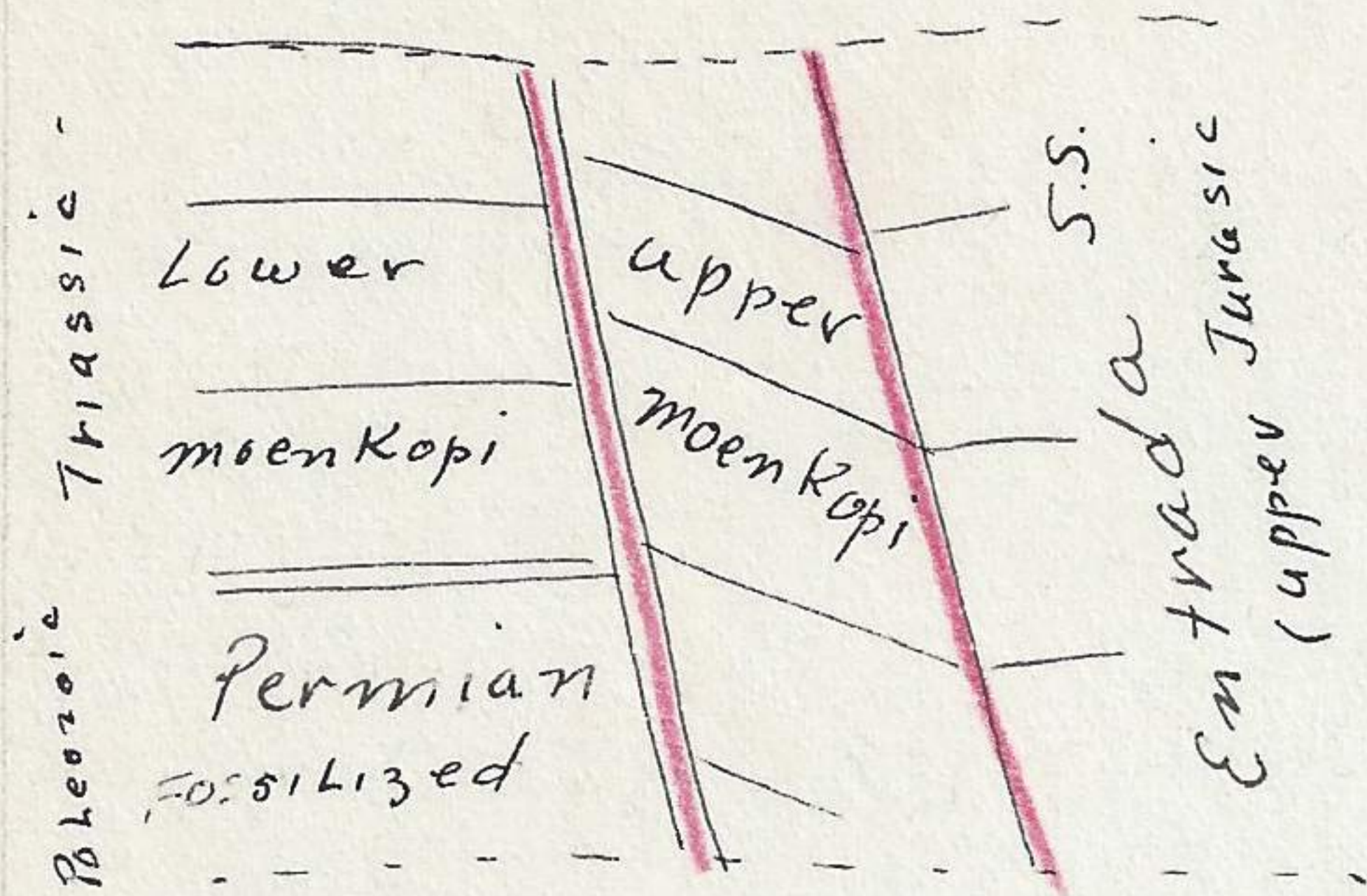


a permanent base camp was to be established ⁴⁷⁰⁴²⁵⁻²⁹ recorded 1-4-25-47 a fault contact in canyon at the headquarters. This displacement is traceable down canyon and to the



1-4-25-47

west, a displacement of a thousand feet and more. Followed trail up slope behind headquarters at 11:00 A.M. on bench land beyond rocky trail found ♀ ♂ Ephedra, Old man sage, 98% black bush, rice grass, few small sand potatoes, yucca, squaw bush and other typical desert plants. Numerous Dipodomys holes. At Courthouse Canyon ^(see page 32) took several color photos for dad and also 1-b-4-25-47 in black and white. (see 1A-4-26-47 and 1B-4-26-47). Cottontail and Onychomys common in this canyon. Arrived at river in open stretch beyond Courthouse Towers at 1:00 P.M. Damp river bed. Active gophers? near river. This valley is supporting more Dipodomys than other areas. Dinner beyond at 1:30 P.M. elevation here 4120 feet. Left 2:30 P.M. 4 Antelope squirrels between dinner stop and balanced rock. These mammals are wary and difficult to approach. From balanced rock continued down slope to the north. This valley beyond is in excellent grass and vegetation growth. Several newly dug badger holes. Dipodomys holes numerous. Continued down to dry river gulch, hence east, then up over hill to Freshwater Spring. Arrived 6:00 P.M. Set 68 traps in canyon floor proper among the vegetation and shrubs. Inspection at 10:00 P.M. 1-4-25-47 1 Peromyscus truei truei and 2 Peromyscus boylii rayleyi and 4-4-25-47 1 Peromyscus maniculatus osgoodi. This sunken canyon is a paradise of vegetation compared to the bare rock slopes beyond. It supports a spring that permits a small flow of water. The horses have already changed the appearance of the area since our arrival this evening. Several bats were flying around the canyon.

Clearwater Springs, Arches National Monument, Grand County, Utah.

April 26, 1947

Collected mammals from trap line. The results are as follows: (Combining last night's collection)

Trap 1	unaffected
2	"
3	"
4	"
5	<u>Peromyscus maniculatus osgoodi</u> <u>4-4-25-47</u>