

June 3, 47.

Cloudercraft - frogs ~~to~~ water in basin last night

With Mr. Cadwallader, we went to Malpais springs. We had considerable difficulty finding the proper road after we left Mr. Truman Spencer's ranch at Three Rivers. It took so long to find the proper roads, that swimming had to be skimped.

Malpais springs. Elev. 4310, located at SW end of Malpais. T 12S R 7E

WJK47-06-03-01

The water emerges from under the lava and forms a pond about 125 x 70 feet in area up to about three feet deep. Water clear white, saline. Bottom silt with muck in a few places where the vegetation and cow droppings accumulated. Vegetation was moderately abundant, three sides being bordered by *Sciurus* & with *Patanogelion* forming some fairly good sized patches. Snails and snails were very common, ~~as were~~ Dragonflies of several species were flying about.

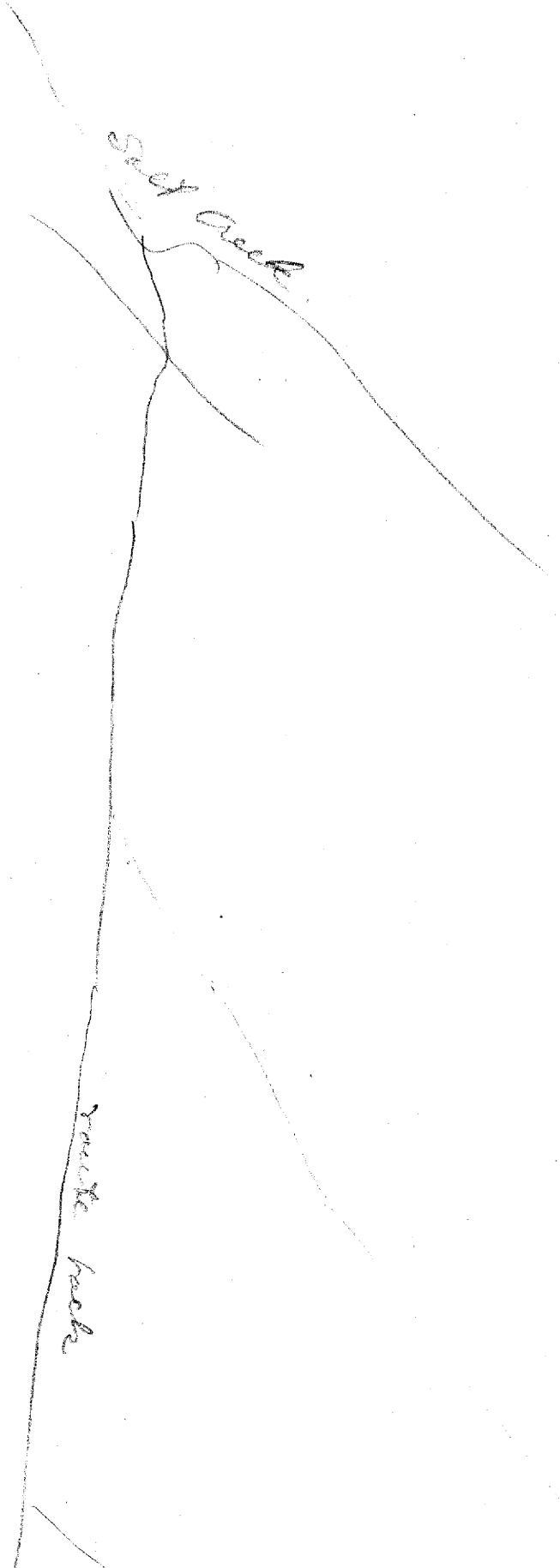
Site 89 water in pond 64 in spring (a hole in ground through which water could be reached, 60.) 1330

*Cyprinodon* moderately common to abundant.

Not especially large.

No signs of young or of spawning.

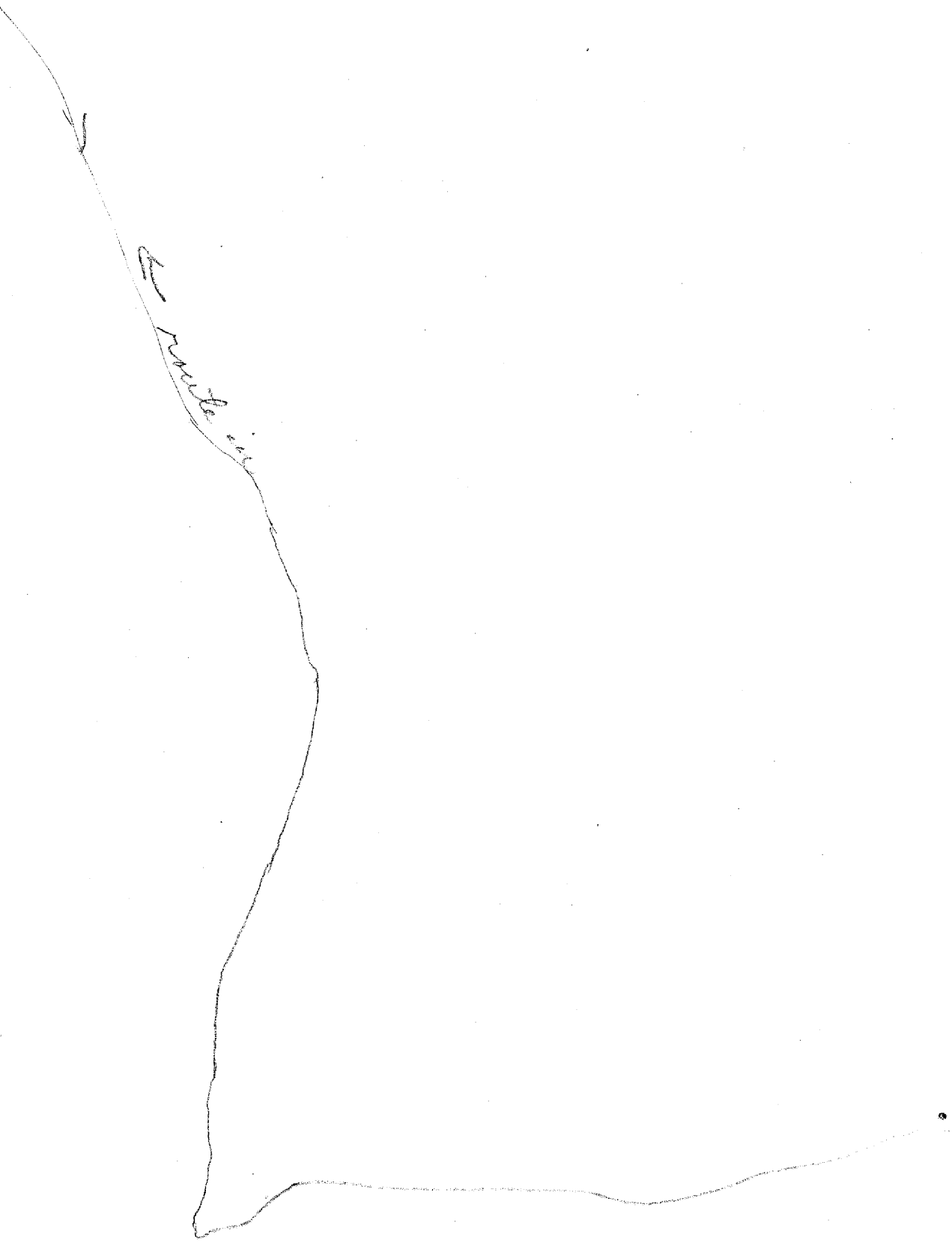
Sheet 9750111 WJ



From - Aerial maps of Route into West Ca. from  
Malpais Spring

Malpais Sp.

Sheet 475014 S12



4750 III 1/2

June 3, 47<sup>#2</sup>.

Ponds between Malpais spring and Salt creek.

WJK47-06-03-02

T12SR6E. \*

Shallow ponds with an eroded bottom. One Sined was about 200 yds x 100 yds and probably reached a depth of 3-4 feet although we did not get that deep, staying in shallow water for Cyprinodon which was moderately common. Young were abundant. Bottom silt, water clear white. Veg. a sparse growth of *E. leobaris*. Air ~~78~~<sup>86</sup> W ~~78~~<sup>78</sup> at about 1500

\* Sept 17, 52 - Orig field notes indicate - 1 mile S of Malpais Spring.

WJK47-06-03-03

Went on to Salt creek. Exact region not known but south & west of the ponds & Malpais spring probably in T12SR6E.

A small stream with short riffles and long shallow pools, clear white saline water, silt and sand bottom. Width ~~to~~ 15-20 feet wide up to 18 inches deep. A 86 W 76 at 1715.

Sined for a short time only because it was late and we had to return Mr. Cadwallader. We had made so many false turns during the day and the going was so rough that poor time was made.

The mileage <sup>(on the direct return trip)</sup> from Salt creek where parked to the turn off for Malpais Spr. was 6 miles, from this junction to the Truman Spencer Ranch, 16 miles. Total 22 miles.

Returned to Mountain Park & camped at Cloudcraft.