

June 16, 1948

WJK48-06-16-01

Went out to Wuwanee today to obtain later stages of ~~the~~ Gila.

The Rio San Jose had an even greater flood than was indicated last time. The lower 100 yards of the stream are badly silted over. There is a recent silt bar across the end of the spring run which is two feet thick. The run is gradually cutting ~~the~~ its way down to its old level.

Vial no. 1 collected from a patch of Zannichellia about one third of the way up from the mouth. A riffle ~~followed~~ alongside, the depth was 8 cm.

vial no. 2. Taken from the middle of a long shallow pool, some taken from the weeds and some from the open spaces. Depth 2-5 cm. over most of the region sampled. The weeds were mostly Zannichellia although some Characeae was present. The current was moderate to slow.

Vial no. 3. At the upper end of the pool mentioned above, the water is deeper. The collection was largely made over a sandy-silty area which was open, ~~xxxxx~~ i.e. free from weeds. The edges of the weed patches were hit occasionally with the net. Depth 10cm -0

Vial no. 4 taken from a shallow riffle. Current moderately strong.

1655 Gila may be spawning in a dense patch of ?Scirpus between which the Zannichellia ~~form~~ forms a solid bed. They were not seen although they were heard repeatedly. They ~~splashed~~ splashed just the same as they did when they were seen to spawn. The males are ripe. Females seems to be scarce for some reason or other. One definite female was taken considerable pressure was required to bring the eggs to the vent. She was still green as the ovarian membrane was still intact when the first eggs became visible. The eggs did not break out. A 87 W70,

It is barely possible than hinichthys cataractae was spawning in a small patch of gravel under a ledge formed by a boulder. There was some chasing of ~~thax~~ one another about. The gravel patch was immediately at the foot of the riffle formed by the sedge and Zannichellia mentioned above.

Frogs are fairly numerous here- all Rana pipiens. No reptiles seen today. Arrived about 1445 left 1715. A lark sparrow was near the truck at the top of the hill.

May 20, 1952

Sailed

N.M., Valencia Co., Surovance Creek.

June 16, 1948

WVK.

Label rubbed, <sup>today</sup> but no doubt as to correctness of interpretation.

Gila nigrescens

20 ♀ yq - small ad.

17 juv - small ads. 53-73 m SL.

3 yq 15 <sup>24</sup> ~~27~~ m SL.

Rhinichthys cataractae transmontanus

39 yq - ad.

1 ad. 92 m SL.

8 yq 14-28 m SL.

Pantostes plibeus

86 yq 10-35 m SL.