

June 8, 1951 #1

WJK51-06-08-01

N.M., Jemez Creek one mile above mouth of Guadalupe Creek

740 Arrived; apparently not fish. w 54

800 W 54 (plus) No signs

817 Two Gila appeared at 805; one left shortly after; the other remained feeding off the bottom. Just now a Rhinichthys arrived and snuggled next to the feeding G.

826 -829 Rh. spawned twice for sure, and possibly did four times. Male nuzzled female along sides between matings. Pair left territorial rock of the male and wandered about five feet from it. Apparently spawned in different spots.

Female went under a stone that was used June 7 as a territorial center. Male emerged after some time. Pair mated under stone and in open. Stone would make fairly good shelter for Cottus.

830 w 56 Gila just visits occasionally. <sup>Rh</sup> ~~66~~ male is by stone.

900 W 57

905 Two Rh on area; 3 G just drifted down from above; dark lateral stripes and dark post opercular bar not visible

908 Five G here

912 Two G left

914 Seven inch brown trout chasing ~~XX~~ Rh.

916 ditto

918 BT got a Rh. He drove it up on shore, and it flipped back into the water. He drove it back toward shore and caught it along with a streamer of ~~RANUNCULUS~~ Ranunculus ~~stolon~~ stolon.

920 ~~5~~ five G feeding

923 Upper dark line is evident, but not conspicuous, in some G

925 BT at head of riffle

930 W 60 BT still at same spot; Gila feeding, occasionally at surface

932 G moving out of channel and into spawning beds

BT now on redds. Same individual as above; just made an earnest pass at G - probably lost the Rh.

935 Most G gone; disturbed by BT who has dropped back.

936 Another charge.

June 8, 1951 #2

937 G on and off

940 BT chased a very large G

944 Two BT, larger about 8- 9 inches, passed through group of 4 G

947 BT fed from the surface

950 Ditto; then made a pass at a G

1000 Chased BT away deliberately. W 63.

1006 Five G back

1010 Wind getting strong - down valley

1011 G or Rh spawned, prob G. Both species are egg eating.

1013 Bars on G becoming pronounced as they fuss about Rh females and territory

wind OK

1017 BT just passed through on way back

1019 Male G <sup>sw</sup> felled a female Rh about and nudged her like a male Rh. No doubt about identification - action took place within 3-4 feet of my eyes.

1030 W 65 Rh. and G. both just fussing a bit.  
Stripes only moderately intense

1044 Male Pantosteus arrived.

1049 9 inch BT went up and then a 7 inch one went ~~xxxx~~ down moderately fast.

1100 W 67 Ten G feeding; 3 Rh about

1113 9 inch BT up up slowly

1117 7 inch ~~xxxx~~ BT went up slowly; stopped en route to make a pass at Rh.

1130 Just feeding

1135 First pursuit of a female G; unfortunately they went upstream out of range of vision.

1140 They did not come back, and I went up to see. Found nothing but disturbed fish.

1200 W 72 Sev Rh back

June 8, 1951 #3

1209 BT went up through again. Does he go down the other branch of the ~~k~~ riffle and thus make a circuit?

1210 Another BT. All BT are going upstream. Some seem to be the same individuals, but this was a new one and the largest of all.

1225 Old 9 inch Bt went through again.

1230 W 73 Activities as usual

1243 A 7-8 inch Bt is at the upper end of the area; moved into the next pool and stayed there temporarily.  
~~9~~ 9 inch BT went up through area

1245. 7 inch went down.

Two vials of fry collected from bed. Area 20 to 30 feet wide and up to a foot deep. . Beds of Potamogeton ~~xxxx~~ pectinatus and Chara contained no eggs. Current 10 ft/ 7 sec.