

October 30, 1944 #1

WJK44-10-30-01

Weather clear and lovely.

Ray Gill and I seined the Rio Grande at the upper end of Mesilla dam from 9-10:15 ^{6 x 10 ft seine.} A.M.S.T. (The label has a question mark because we were not sure at the time that we were at Mesilla dam having been told that there was no road.) Elev. 3750 feet P.A. A 68 W 68 at 10:15 A.M.S.T.

Bottom sand and silt; current slow to strong; Stream about 75 feet wide and 18 to 21 inches deep in the channel, up to four feet in the pool. The gates of the dam were open so there was no "lake"; The river bed is 150 feet wide at this point. Water white, slightly turbid. Vegetation consisted of a very sparse growth of filamentous algae.

Fish, as usual on this trip were taken from pools, were *Exocoetidae*. Our best place was a deep pool at the head of the quiet water where a lot of snags were present.

WJK44-10-30-02

Seined the Rio Grande near Hill. We stopped here mostly because a small stream-like drain emptied here. We used the 6-ft seine exclusively. Seined from 1-2:15 P.M.S.T. Temps. R. Gr. 74 W 74 Drain 65 °F at 2:15 P.M. Elev. 3975 P.A.

Rio Grande: 60 feet wide, 1 foot deep in channel, 4 feet in pools. Water, clear white. Bottom sand, silt and a

October 30, 1944 #2

little ground. A sparse growth of algae was present on some of the shallow bars. Desert an insect, cotton on east bank. Many large cays and very many (200±) large cays suckers sailed by us while we had just the 6 foot seine. Several medium sized bass were also seen. A few Exocoetidae in riffles, nothing else.

Most S. nalu

Drain: Two feet wide and 1 inch deep in the riffles to five feet wide and three feet deep. This was more or less stream like than most drains - having decided pool and riffle arrangement - short riffles and fair to large pools. All the Notropis procerpinna(?) were taken from here as was the green sunfish and most of the Gambusia. The lower end of the drain ran through the river lowlands, the upper part through cotton fields.

17 photos - 3± up, 1 down river & drain.

Searched a drain at Hill 1/2 mile north of the preceding site for about 1/2 hour. This is even more stream-like than the preceding drain. Water clear white, current strong, Bottom silt, sand, muck. No vegetation. Short deep riffles and longer deep pools. Riffles 5 ft wide 4 inches deep, Pools 18 inches deep. Steep gradient for a drain. Elev. 3925. A76W 64 3PM.