

October 29, 1944 #7

Had rain last night but it was nice today. The first ~~decent~~ decent weather that we have had. The river has receded slightly since yesterday. We made several collections although we did not get a great many fish.

WJK44-10-29-01

Dona Ana Co, Drainage canal 2 miles N.W. of Anthony. Eight feet wide and one foot deep. bordered by cattails, with cotton in the background. Bottom mud; current moderate, no vegetation on bottom. ^{8:15-9:} ~~8:15-9:~~ PMST, with six and ten foot seines. A 68 W64 at 9 PMST.

Chr. 3700. PA. The bottom had a sulphide odor in places.

Cyprinus carpio 2 seen - large. Photo
Lepomis megalotis 1 lost.

WJK44-10-29-02

Rio Grande at bridge 3 miles N.W. of Anthony. Chr. 3700, A 75 W70. 2:10 PMST. About 150 feet wide and up to 4 or more feet deep. Bottom sand and some silt; current moderate to strong. A sparse growth of algae in places on bottom, cattails along shore. Water, white, ~~seemed~~ turbid. 2 Photos.

6 and 10 foot seines from 9:15 to 2:20 PMST. except for lunch. Dragonfly ^{larvae} were unusually common

October 29, 1944 # 2.

Primarily a catfish stream although none were taken here. A scarcity of deep holes is probably a limiting factor. Possibly some type of barrier could be devised that would secure small deep holes and yet not interfere with the runoff in a significant fashion. A few largemouth bass probably make their homes in the larger holes.

Riffles were very barren of fish except for *Exocoetis* of which but about two were taken. *Dorosoma* was found near the foot of riffles in the pools below sand bars. All other fish were taken from quiet waters. The most productive areas were rather deep pools along shore that had a small flow entering and leaving. Only *Gambusia* were found in completely isolated waters.

WJK44-10-29-03

Sited a very ^{small,} short, drain that empties into the Rio Grande about 3 1/2 miles NW of Anthony, Dona Ana Co. We used the six foot seine for about 30 minutes. A 73 W 64, 3:00 PM. ST. Bottom sand and mud. Current slow. No vegetation. Shore - cattail marsh. Water clear white. Size 6 ft wide and 3 ft deep in pools, 1 ft wide and 1/2 inch deep in riffles.

Gambusia only abundant fish.

Dorosoma cepedianum 1 escaped

October 29, 1944 # 3

WJK44-10-29-04

Searched a large drain just above the pumping ~~fan~~
about its mouth and up a couple of hundred feet with the
10 and 25 foot rears. Had relatively little luck.

Bottom ~~hard~~ sand., Current moderately strong to strong;
with 15-20 feet depth up to four feet. Shore cattails.
3-4 PMST. A 71 W 66 at 3:55 PM. Clr. 3700.

Dorsoma - 1 escaped.

Photo of drain.