

August 19, 1947.

Sounded the Pecos R. 3 mi. N.W. of Carlsbad.

WJK47-08-19-01

The change in the river below and above Carlsbad is amazing. Below the town the river is large in width, depth and volume. Above the town the flow is small connecting some moderately deep ~~wide~~ pools. The stream below is devoid of weeds, above has weeds. About one-half mile above the point where we sounded the river bed was completely dry. It is also dry ~~at~~ below Apsolon dam.

The region below Carlsbad down to the border is a region of large pools, often four feet deep over large ~~are~~ areas but sometimes deeper, and of much stouter riffles. The riffles are usually of bedrock or of such a nature that they are not productive.

WJK47-08-19-02

Sounded the Black River at T24S R27E Sect 11.

This is a river with many large deep pools and stout riffles. The riffles mostly of bedrock. The water is grayish all the way from the source to the mouth. This turbidity precludes the development of vegetation except in the shallower riffles.

August 19, 1947 #2

Drainage Pecos

Locality N.M., Eddy co., Black R. at
T24S, R27E, Sect. 9

Elev. 3140 Date Aug. 19, 1947 Collector W.J.K., G. Mertz
Size 10-70 ft. w, --6+ ft. d., Pools large & deep, riffles mostly
broken into small channels. Condition N Fluctuation Sl.
Temp. Air 86 Water 80 Time 1700 Weather pt. cl.
Water W ST Current M-str Bottom st, bo
Vegetation Abd. in rf., none in P--too turbid
Shore Mesquite Watershed Mesquite--D gr.
Capture method 6-10 ft. S. Time 1600-1700
Dist. from shore S-S Depth - 5 ft. Orig. Pres. 10% F

Remarks:

Used for irrigation.
Posted about Black R. Village
Whenever observed, the water is grayish, colored from some
suspended matter or other.
Photo--downstream.

Notropis lutrensis in rf.

Ictalurus lacustris punctatus in rf.

Huro salmoides in P. at tail of rf.

Lepomis cyanellus edges of rf. under bank.

L. megalotis in tail of rf. in P., shelter of boulder

L. macrochirus in tail of rf. in P., shelter of boulder

Drainage Pecos

Locality N.M., Eddy Co., Pecos R.
3 mi. N.W. of Carlsbad

Elev. 2960 Date Aug. 19, 1947 Collector W.J.K., G. Mertz
Size 4 ft x 12 in.--50 ft x 5 ft. Condition N Fluctuation Sl.
Temp. Air 80 Water 80 Time 945 Weather Clear
Water CW Current sl-m Bottom bo, st, br.
Vegetation abd. Choracear
Shore Sedges, Tamarisk Watershed Mesquite, Ocotillo
Capture method 6, 10 ft. S. Time 730--1130
Dist. from shore S-S Depth - 5 ft. Orig. Pres. 10% F

Remarks:

Flow very small--brook-like
Pools large in area, some deep, others shallow
No flow 1/2 mile above

Notropis lutrensis *in rf.*

Notropis deliciosus ?? In shallow quiet pools.

Astyanax Yg. scattered, largest came from beneath a ledge in
nearly four feet of water along with several curtrachids.

Huro salmoides

Lepomis megalotis

L. cyanellus

L. macrochirus

All--from deeper pools,
especially near lodges
and boulders.

Gambusia In shallows of pools and riffles.

Oct. 27, 1951.

Russ R.
N. M. Fddy Co., 3 mi N.W. of Carlsbad
Aug. 19, 1947. W. S. K. G. Metz.

Notropis d. deliciosus

1170
~~1170~~ 99 - ad. 17-51 mm SL.

Fundulus zebra (G.)

31 99 - ad. 17 - 50 mm SL.

Aetyapox fasciatus mexicanus

28 99 - ad. 19 - 76 mm SL.

Micropterus s. salmoides

3 99 . 55 - 74 mm SL.

Poeciliichthys lipidus (B+C.)

13 juv - ad - 26 - 43 mm . SL.

Notropis l. lutrensis (B+C.)

32 99 - ad. 18 - 45 mm SL.

Deonda e. episcopa G.

Oct. 27, 1951, #2

Pecos 3 mi. N.W. of Carlstad.

Aug. 19, 47. (cont),

Chamaemythas coronarius Bartram

2 small ad ♂-♂ 2 m SL.

Lucania parva remota G.

173 yg-ad. 17-34 m SL

Gambusia affinis speciosa G.

429 yg-ad. 10-38 m SL.

Lepomis megalotis aguilensis

84 yg-ad. 17-110 m SL.

Lepomis macrochirus Raf

12 juv. 42-65 m SL.

Lepomis cyaneus Raf.

30 yg-ad. 20-120 m SL.

Acris gryllus crepitans B

4 3 tad, 12-15 m SL

1 imago 16 m SL,

May 22, 1952.

N. M., Eddy Co., Black R of T24S, R27E, Sect 9.

Aug. 19, 1947 W. K., C. Merty.

Notropis l. lutescens (BTL).

3 yg-ad. 19-30 m SL.

Setalurus laevis lepis (C).

3 yg. 15-60 m SL.

Micropterus punctulatus (Ref)
~~salmoides (Lacépède)~~

1 yg. 77 m SL.

Lepomis gyanellus Raf.

3 small ads. 66-75 m SL.

Lepomis megalotis aguilensis

3 juv or small ad. 68-70 m SL.

1 Lepomis macrochirus

4 juv ads. 81-98 m SL.
