

Sept 4, 1948 #1

Seined Tularosa Cr (River) above town of Apache creek, above Reserve and the Rio San Francisco above Reserve. The former is dry below Aragon and Apache creek and ~~a short~~ a short distance upstream from our collection Sept 3.

Worked up to Luna - R. San Francisco dry there as is Reilous Creek & Trust creek to the north

Drainage Gila

WJK48-09-04-01

Locality N. M., CATRON CO.

Tularosa Cr. above town of Apache Creek T5S, R17W S28

Elev. 6630

Date Sept. 4, 1948

Collector WJK, Keen Rafferty Jr.

Size mostly 5 ft x 3-4 in., 2-10 ft wide -3 ft. deep

Condition N Fluctuation mod.

Temp. Air 82

Water 67

Time 1100

Weather Pt. cloudy.

Water CW

Current m-str

Bottom st r,

Vegetation Sparse- Potamogeton pectinatus Pot. sp, Ranunculus

Shore Sedge, cult.

Watershed PJ (-YP)

Capture Method 6 ft. s.

Time 1015-1100

Dist. from shore S-S

Depth -3 ft

Orig. Pres. 10°F.

Remarks:

Creek dry below Aragon & below town of Apache Creek

All fish saved, many yg Catostomus seen but not captured.

Photo

Catostomus insignis

Abd.

Ads in deep pools, juv. in shallow P.

Pantosteus plebeius

← Agosia ("Gila of previous notes)

f. c. larger ones in P.

Rhinichthys o. oscula

scarce in Rf.

Rana pipiens

Appear different from Zuni and northern forms- no light spots in center of dark ones.

Sept. 4, 1948 #2 WJK48-09-04-02

Drainage

Locality N. M., CATRON CO.
Tularosa Cr. about 5 mi. above Reserve T6S R18W S33
Elev. 6260 Date Sept 4, 1948 Collector WJK, Keen Rafferty Jr.
Size mostly 8-10 ft. wide, 2 in. deep 4-20 ft. wide, 1 ft deep in deepest P.

Condition low Fluctuation great
Temp. Air 83 Water 70-80 Time 1410 Weather Cloudy
Water CW Current m-str Bottom sd, gr, r.
Vegetation sparse-Cladophora
Shore Grassy floor of canyon
Capture Method 6 ft. S Watershed PJ & live oak
Dist. from shore S-S Time 1145-1340
Depth -1ft. Orig. Pres. 10% F

Remarks:

Mostly a shallow stream with a shifting sand bottom and short rubble riffles. Pools and many riffles shallow and sandy.

Fish scarce. All except Agosia found only in a spring hole (W70°) or its effluent.

*Agosia refers to dent.
Watershed PJ & live oak
yrs 5 ft. no fence*

Drainage

WJK48-09-04-03

Locality N. M., CATRON CO.
Rio San Francisco 1 mile above Reserve.
Elev. 6060 Date Sept. 4, 1948 Collector WJK, Keen Rafferty Jr.
Size mostly 8 ft wide 2 in deep, Range 3-20 ft. wide, -2ft deep in a few pools.

Condition low Fluctuation mod.
Temp. Air 82 Water 77 Time 1700 Weather cloudy
Water CW Current str. Bottom sd., gr, some r.
Vegetation ~~sp.~~ *ah.*
Shore willow, cottonwood (prob Fremontia) Watershed P & J
Capture Method 6 ft. s. Time 1530-1700
Dist. from shore s-s Depth -2 ft Orig. Pres. 10% F

Remarks:

All fish saved.

Essentially one continuous riffle. Seined 1/3 mile of stream.
Only 2 decent pools, others only 6 in. deep. slightly cutting into bank.

Agosia

C. large ones from deeper P and near tail of deeper riffles.

Catostomus

F. C. IN P.

Pantosteus

Rhinichthys o. oscula

Rana

Locality N. M., CATRON CO., Dillons Cr. T5S R20W Ss 30, 31, 32
Date Sept. 4, 1948 Collector WJK & Keen Rafferty, jr.
Remarks:
Dry at road crossing

Locality N. M., CATRON CO. Trout Creek T5S R20W Sect 29
Remarks: Dry at road crossing, contains water in box above road
according Dean Earl, USFS Ranger
Date Sept. 4, 1948 Collector: WJK, Keen Rafferty Jr.

May 8, 1952.

N.M., Catron Co., Rio San Francisco

1 mile above Reserve

Sept 4, 1948

W. V. K., Keene Rafferty, Jr.

Tiaroga exilis

2 juv 25-29 m SL; larger is emaciated.

Sila robusta

1 yg 28 m SL.

Rhinichthys ~~oculata~~ nubilata

15 juv. 20-35 m SL.

Pantosteus clarki

18 yg. 23-36 m SL.

Catostomus insignis

39 yg 25-43 m SL.

Agoia chrysogaster

593 yg-ad. 13-68 m SL,

ads in breeding condition

Bufo compactilis

1 imago 28 m Sn-V.

Rana pipiens

1 imago 45 m Sn-V. Spots small, round, ~~at~~ about

1 tad 16-37 m Sn-V, TL.

4 between dorsolateral folds.

May 15, 1952.

Sat. d.

N.M., Catron Co., Tularosa River 25 miles
above Renne. (T6S, R18W, S33)

Sept 4, 1948

W.S.K., Ken Rafferty, Jr

Azoria c. chrysogaster D.

162 yg - ad. 14-65 mm SL.

Some ads tuberculata

Taraxia crotalis G.

1 yg. 27 mm SL.

Pantosticus clarki (B+G)

1 yg. 34 mm SL.

Rana pipiens

2 tods 15-27, 23-54, Sn-U, & TL.

ser. eggs. presumed to be this.

Sceloporus undulatus

1 yg - 25 mm SL.

May 15, 1952 #2.

N.M. Catron Co., ~~above~~ Tularosa Co. above
town of Apache Creek. TSSR 174, S28.
Sept 7, 1948 WSK, Ken Rapperty, Jr

Crotomus insignis (B&B).

52 yg-ad, mostly juv. 30-145 mm SL.

1, about 80 mm SL, with tail directed
dorsally, at right angles, A extended posteriorly.

Rhinichthys rubra

5 juv. 26-37 mm SL.

Agonia a. chrysogaster G

21 yg-ad. 20-59 mm SL.

Pantosteus clarki (B&B).

28⁺ yg. 34-48 mm SL.

Rana pipiens

3 Totos 18-27 mm SL.

6 imagoes 52-73 mm SL.