

copy
notes from
Sept 6, 1948

Sept 6, 1948

Rio San Francisco

Seined ~~the~~ ^{Rio San Francisco} ~~Stony Brook~~ west of Luna. This is the effective headwater of the R. San Francisco in N.M. as the "main stream" is dry as it enters the state being taken out for agriculture in Arizona.

Went from Luna toward Blue R. P.O. Took a Kodak home of the river along the way. ~~The~~ The dry fork of the Blue is dry most of the way, part of the time the road is the stream bed (~~a~~ ^{really} ~~rice~~ ^{rice} ~~area~~). Seined the lower stretch of water - about one mile above the mouth. The stream runs dry about $1\frac{1}{2}$ miles above mouth. We cracked this upper $\frac{1}{2}$ mile.

Tiaroga cohetus was found in breeding color.

From life.

Olive brown above mottled with darker, whitish on belly.

Dorsal olive with dark blotch near center of base and ^{light} pale olive spots under anterior and posterior rays on back.

Caudal olive washed or tinged with red; ^{most prominent on lower rays.} At the upper and lower portions of the base of the fin are light areas surrounded by curved blackish bands which more or less form a spot at the base of the C.

Anal pale olive except for whitish anterior ray. A red spot at the anterior end of the base and a red blotch on the first interradial membrane.

V. pale, nearly colorless. Red at base and first interradial membrane.

P. pale olive, red in axil and on anterior membrane.

Sept 6, 1948 #2

Head olive, greenish gold on opercle. Iris golden above, retiner below. Red on ~~max~~ maxilla and about corner of mouth.

The red at the vertex was most intense, the color became less intense ~~as one proceeded~~ caudally on the fish. Matches Mary & Paul II ~~PK12~~ rather well - "Toreador or Dutch Vermilion".

Locality N. M., CATRON CO., Dry Blue River Canyon about 3 miles above mouth
Elev. 6810 Date Sept. 6, 1948 Collector WJK, Keen Rafferty jr.
Vegetation YP & Willow
Watershed YP
Remarks:
On ground near yellow pine. climbed and was shot.
Sceloporus.

WJK48-09-06-02

Locality N. M., CATRON CO., Dry Fork Blue River about 1 mi above mouth.
Elev. 6750 Date Sept 6, 1948 Collector WJK, Keen Rafferty jr.
Size mostly 3-4 ft x 122 in. Some pools to 5 ft wide. depth to 6 in.
Condition low Fluctuation mod.
Temp. Air 75 Water 59 Time 1745 Weather clear
Water CW Current mstr Bottom sd, gr, r.
Vegetation sparse-watercress
Shore grass-willow, YP Watershed YP
Capture Method 6 ft. S Time 1600-1745
Dist. from shore S-S Depth -6 in Orig. Pres. 10% F.
Remarks:
All fish saved.
Dry about 1 1/2 miles above mouth-fished to here.
Lukewarm spring enters near origin of present supply of water.

Pantosteus

Rhinichthys

?Gila ~~Agassiz~~

l.c. IN DEEPER PORTIONS

Tiaroga

about 5-6 taken from watercress where current was fairly strong.
1 small one taken from shallow P.
1 in breeding color.

see p. 10 for notes

Rana

Sept. 6, 1948 #3
Drainage Gila

Locality n. m., CATRON CO.
Rio San Francisco about 5 miles above Luna T5S R21W S31
Elev. 7450 Date Sept 6, 1948 Collector WJK, Keen Rafferty, jr.
Size mostly 5-6 ft wide, 5-6 in. deep, -12 ft wide, -18 " deep
Condition N Fluctuation mod.

Temp. Air 76 Water 61 Time 905 Weather clear.
Water CW Current str-m. Bottom r, occ. sd.

Vegetation sparse-Ranunculus

Shore Grass & YP

Capture Method 6 ft S.

Dist. from shore S-S

Watershed YP

Time 815-915

Depth -18 in Orig. Pres. 10% F

Remarks:

All fish saved

A stony brook with a moderately steep gradient. Apparently of steady flow as banks are well stabalized.

Photo

(According to the local ranger this is the Rio San Francisco, Stone cr. being merely the small trib at the upper end)

Presumably this contains trout at least in the spring. According to Dean Earl, ranger, (Sept 7, 1948) as trout are caught in the irrigation ditches a Luna. This creek can be followed by road if approached from E side rather than west (Tree 3 ft in diameter across road on W)

Pantosteus clarki
in rf. & P.

Rhinichthys o. oscula
C larger ones in rf.
smaller ones widely scattered

Rana
tadpoles C.

Bufo
yg. C.

Sceloporus undulatus tristichus
on fallen Y.P.

Urosaurus ornatus lineatus
1 (50 mm. Sn-V.)

Thamnophis elegans vagrans
1 (Ca 500 mm.)

✓
May 29, 1950 #3

WJK48-09-06-03

N.M., ~~Catron~~ Co., Blue River at junction
of Campbell Blue and Dry Blue forks.

Sept. 6, 1948

A. H., Ken Rafferty Jr.

Pantosteus clarkii (B & G)

80 yg - ad.

78 yg - 20-40 mm S.L.

1 juv - 25 mm S.L.

1 ad. 140 mm S.L.

Not typical clarkii with enlarged scales
above L.L.

Catostomus insignis B & G

80 - ads.

28 yg 29-45 mm S.L.

2 ads. 136-175 mm S.L.

Tiaroga cohitis G

7 yg - 23-31 mm S.L.

Agusia c. chrysogaster G

112 juv - ads.

1093 juv. 19-37 mm S.L.

9 ads. 49-58 mm S.L.

some tuberculate

Rhinichthys oculus garrawi B & G

288 yg - ads - 18-65 mm S.L.

? Hybrid Pantosteus clarkii x Catostomus insignis

3 yg - 29-32 mm S.L.

Rana pipiens subsp.

32 tads 18-27 mm Sn-V.

5 imagoes 62-66 mm Sn-V.

May 29, 1950 # 4

N. M. Catron Co., Dry Fork Blue River about 1 m.
above mouth

Sept. 6, 1948

C. V. K. Keen Coffey, Jr.

✓ Pantosteus clarkii (B & G)

14 yg - juv.

12 yg 27-37 mm SL.

2 juv. 55-85 mm SL

✓ Tiaroga crotalis G.

15 juv - ad. 23-47 mm.

✓ Agoia a. chrysogaster G.

266 yg - ad - 17-66 mm SL.

✓ Rhinichthys ocellus yarrowi J & E

328 yg - ad - 18-60 mm SL.

✓ Bufo compactilis

1 imago 21 mm Sn-V.

✓ Rana pipiens subsp.

8 tads to imagoes

7 tads. 11-20 mm Sn-V

1 imago 47 mm Sn-V

May 8, 1952

N.M., Catron Co., Rio San Francisco about
5 miles above Luna. T 55, Railw, S31

Sept 6, 1948

W.V.K., Keen Rapperty, Jr.

Pantostictus clarki

100 yg - juv. 20-95 mm SL.

Rhinichthys rubra

378 yg - ad. 14-57 mm SL.

Bufo compactilis

27 imagos 16-24 mm SL.

Rana pipiens

94 tadpoles to small imagos, mostly mature tadpoles

13-29 mm sn-v.

April
~~August~~ 5, 1957 #3

(TSS R2140 S 31 ~~22~~ Sept 6, 1948, cont).

✓ Urosaurus ornatus lineatus (B)

1 50. m Sn-V.

Ident. as this for want of something better.
Looks like Urosaurus, keeps to U., but does not
fit any continental form well. Chief problem
is the atypical pattern of the dorsal scales. The
vertebrals are smaller, but not sharply so, than
the paravertebrals. The paravertebrals do not form
sharply defined series.

Thamnophis elegans ragrans (B+C)

1 Ca 500 mm.

N.M. Catron Co, Rio San Francisco about 5 miles
above Luna TSS R 214 S 31

Sept 6, 1948 W.V. Koster, K. Rafferty, Jr.

Squalopus undulatus tristichus Cope

1 ♀ 51 mm Sn-V.

N.M. Catron Co, Rio San Francisco about 5 miles
above Luna T5SR 214 S 31

Sept 6, 1948

W. V. Koster, K. Rafferty, Jr.

Sceloporus undulatus tristichus Cope

1 ♀ 51 mm Sn-U.

~~April~~
~~August~~ 5, 1957 #3

(T-S R2140 S 31 ~~to~~ Sept 6, 1948, cont.)

✓ Urosaurus ornatus lineatus (B)

1 50. m Sn-V.

Ident. as this for want of something better.
Looks like Urosaurus; keeps to G., but does not
fit any continental form well. Chief problem
is the atypical pattern of the dorsal scales. The
vertebrals are smaller, but not sharply so, than
the paravertebrals. The paravertebrals do not form
sharply defined series.

Thamnophis elegans vagrans (B+C)

1 Ca 500 m.

N.M. Catron Co., Dry Blue River canyon about
3 miles above mouth

Sept 6, 1948

W. H. Keen Rafterly, Jr.

Sceloporus undulatus tristichus Cope