

August 30, 1950.

Worked the Murikes below San Lorenzo to, as nearly as I could tell, where it finally disappeared into the desert.

This region of the stream had a flood several days ago during which the water was two or more feet deep throughout its bed.

*Izozia* is by far the most abundant fish in the stream, being common to abundant in almost all habitats. Some redds were observed in the stretch above and below Severe (Faywood PO) but none above or below. Stalked several of groups of them but never saw an adult among them. Fry were very scarce, presumably preemurally was absent. No individuals were ripe, all ads. seemed spent, some were seen dead.

Murikes R.  $2\frac{3}{4}$  mi below San Lorenzo. No redds. No collection.

Murikes R. near Murikes Hot Spring. Redds along margin of large pool. <sup>75 ft long 2 ft deep.</sup> 3 in, 1 fresh, 2 in another, fairly recent (post-deluvial) Bad, Calif.

August 30, 1950

WJK50-08-30-01

Mudhcs R at Bells Ranch,

El. 5075 Weather Clear.

Size - 0-28 <sup>ft wide</sup> ~~ft deep~~, x 0-6 inches deep.

low, fluctuation great R & Z (W 64 (sic) 1545:

W 60, Cm-sl. Bsd, no veg, Slaw.

Willow Cottonwood, Waterbush Acroste bush  
desert, Served 1415-1445.

Runs for 1/8 mile: Small here, probably larger  
somewhere upstream & used for irrigation at  
Bells' ranch. Dry between here & 5 miles  
below Fagnoad!  
First source.

August 30, 1950

Mimbres 3 miles above Fayerwood (Devire).

Ridds in tail of pool, Bed. 3-10 cm deep, C 1/2 ft tree.  
Bed, one ~~gr.~~ pea gr. Patch <sup>1 ft from above</sup> 7 ft x 2 feet 2, 18 ridds.

Another group on bar in middle of another P.  
Bed, 2

WJK50-08-30-02

Collect Mimbres 5 miles below Fayerwood <sup>P.O.</sup> (Devire)  
Flr. 5260. Weather clear, Size 3-30 ft mostly  
8-10 wide, 1/2 - 2 ft deep, mostly 1-2 inches.

Condition low, fluctuation great. 490 W 74 x 77

(Springs enter at several places within the stream) Time 1445.

W.C.W. Cur-str.

B. shifting sand, some rubble in it. No req.

Shore Walnut & Willows, watered Desert grass  
6' Same 1330-1430.

Bottom shifting ~~sh~~ sand; some nearly "quick",  
at best not "slow".

Stream quite dry below Fayerwood for  
some distance.

Agassia exceedingly abundant and  
ubiquitous. Twice caught a solid gallon in one  
haul of 6 ft seine. Not all saved. No selection.

Pantosteus &c

Notropis &c. mostly at tails of rfd. A  
few in P under brush. This & the preceding rare  
in relation to Agassia.

September 12, 1950 #1

N.M. Grant Co., Gila R. about 10 miles below Cliff.

Aug. <sup>31</sup>/<sub>30</sub> 1950. - see Aug. 31, 50.

WJK.

Agonia chrysosaster

Vial #1 Ca 400 eggs (lost count in one lot of 50)

early blastulae to near hatching.

~~Vial #2~~

44 prolarvae

Vial #2 238 eggs

early blastulae to near hatching

39 prolarvae

vial #3 312 eggs -

early blastulae to ~~near~~ hatching

Some are conspicuously smaller than the

general run.

137 prolarvae.

Vial #4 13 eggs

blastulae to near hatching

33 prolarvae to larvae (mostly prol.)