

May 27, 1944 #1

WJK44-05-27-01

Rio la Santa again near mouth of Arrellano.  
Water higher than yesterday, only moderately turbid.  
Trout seem less common than near mouth. This  
may be because it is so high and difficult to seine.

All in 6 seine except lost 3 which were angled. - worms.  $t. 12^{\circ} \text{ to } 7.5^{\circ} \text{C}$   
Time T.L. at capture WT.

1	8:30	153	29.2	at mouth of spring run below Arrellano.
2	do	176	49.8	do. rope
3	8:35	146	25.9	do.
4	8:45	108	9.5	in small side channel.
5	do	99	8.4	do.
6	8:55	152	29.3	Behind old stream improvement log. (now a wing deflector)
7	"	124	16.0	
8	9:00	156	49.6	behind log jam.
9	do.	189	61.7	do.
10	do	122	14.4	do.
11	do	120	14.3	do.

The preceding were measured at capture, weighed  
between 9:10 am and 9:40 when they were all preserved.  
Most died during the weighing.

May 28, 44 #1

Fished the Rio Pueblo <sup>1-2 miles</sup> below mouth of Rio de Santa. All fish caught by angling, no. 12 hook and worms. All fish captured were sexed. Specimens were measured at time of capture and examined for ripeness. Several males but no females were ripe. Ranibaws were more ripe than cut-throats. The specimens identified as hybrids with question marks look like hybrids back-crossed with cut-throat, i.e. they looked more like ~~the~~ cut-throats but were not typically so, having some ranibaw features. An interesting ranibaw was taken. It had the left maxilla included as do so many of cut-throats in this stream system. Is this a genetic defect <sup>or</sup> ~~an~~ <sup>a</sup> ~~look inquiry~~ environmental? If the latter why is the left maxilla malformed so much more frequently than the right?

Specimens were kept in moist grass in a creek from time of capture until they were re-examined. All were in good condition as temperatures were cool. Weights, measurements and sex determinations were made between 6:30 and 7:30 P.M. without reference to the original measurements. There were two specimens labeled as "21" but <sup>they</sup> could be