

August 12, 1944 #1

WJK44-08-12-01

Rio la Santa Policarpis creek to $\frac{1}{2}$ mile below.

Max-min. thermometer - $\frac{1}{2}$ mile below Policarpis 58-48

Searched for newly hatched young both in the stream and in the gravel. None obtained from the gravel.

Young were observed in the following places.

In a small side channel where the stream splits up going through an old beaver dam. Current slow to moderate; Bottom silt; depth 1-2 inches. (Photo)

In a similar place nearby. Two seen in main channel where depth is 5 inches, current moderate. (Photo)

Two seen on shallow edge of a flat shallow pool. Current moderate; Bottom gravel and silt; depth 1-2 inches where the fish were. (Photo)

In a small side channel under shelter of a dead spruce. Current moderate; Bottom gravel. (Photo)

Three or four seen in shallows at edge of pool. Current moderate where the young were (strong in center of pool) Bottom silt and gravel. Three were hidden together in front of small stick sticking in front of net handle in photo.

One seen and captured ~~under~~ in similar environment about 8 feet above.

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Side channel near where monies were taken. Current slow, Bottom gravel covered with silt.

Some fish were seen spawning in this channel but probably all of the eggs were lost. Very little water is going through the channel now and a layer of silt 1-3 cm. thick has been deposited on top. The eggs probably smothered.

The story would probably have been the same for the redd where the monies were taken. The whole area is badly silted in.

Beaver dam just below Polioarpis. This is a well kept dam with at least two beaver present.

Two fish 4-5 inches were apparently settling which should have a particular feeding area. One was in the area, the other entered several times and each time was driven out. They were of similar size. The water became turbid from fishermen upstream and the observations could not be continued.

The preceding happened before lunch. After lunch I went back to look for young and to watch the trout. The larger trout in the quiet waters of the dam seemed more inclined to move about in search of food than did the smaller ones. This does not hold in the

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more usual parts of the stream as far as I can tell.

Young trout were common in the lower pool. More young trout were seen here than in all the ~~the~~ 1/2 mile of stream below.

Ten were captured and kept alive until they were described, weighed and measured.

Color - from life, ^{rather uniformly} dark above and on sides, whitish beneath. Lobes of caudal yellowish base and central region dusky, Black spot at base of front of dorsal. Remainder of fins pale yellowish.

Wt. for all 10 - 0.70 grams. The bar was right on the 7 mark. The box was closed to eliminate air currents. The fish were "rough dried" - placed on a piece of cloth and then on the scale.

Measurements - T.L. just dead from weighing.

- taken with vernier calipers.
1. 20.0
 2. 21.8
 3. 22.8
 4. 23.2
 5. 23.8
 6. 22.0
 7. 19.6
 8. 24.1
 9. 23.4
 10. 23.3