

Sept 1, 1950

WJK50-09-01-01

Rio San Francisco at Frisco Hot Springs

930 13 reddos of *Agoria* in an area 7 ft x 2 ft along shore; Bgt, D 2.3 cm, C 1/2 in. Area on inside of turn of pond near tail also near hot spring effluent. Spring 110° Steam outside of reddo 71° Over reddo fluctuates in vicinity of 80° C. Eggs recovered. These were small, appeared similar to those freshly extruded from the female. No gross sign of development. Redds look several days old.

Seined from about a mile below the main spring to about one and half or even two above. Was chiefly interested in recurring Paciliopsis and checking on state of Agoria as regards spawning.

Found a place about a mile and a half above the spring where *Agoria* is abundant and not all spent. Some reddo in the vicinity. Watched as well as possible all afternoon & thought I was observing redd building. Not sure. Everything interrupted by high winds accompanying showers in area. Left at 5 P.M. Temp. when starting 79° W 29° 1800

1 mile above Frisco Hot Springs Sept. 1, 50, Vial 2

18 *Ploutulae*

$$5.5 - 3.2 = 2.3$$

$$4.6 - 2.6 = 2.0$$

$$8.5 - 6.8 = 1.7$$

$$3.6 - 1.4 = 2.2$$

~~$$4.1 - 2.2 = 1.9$$~~

~~$$3.8 - 1.7 = 2.1$$~~

$$4.5 - 2.6 = 1.9$$

$$3.2 - 1.2 = 2.0$$

$$7.8 - 6.0 = 1.8$$

$$5.8 - 4.0 = 1.8$$

$$6.1 - 4.3 = 1.8$$

$$4.1 - 2.4 = 1.7$$

1.0

1.1

1.0

1.1

0.9

extremes

$$8.2 - 5.7 = 2.5$$

$$6.5 - 4.6 = 1.9$$

$$8.1 - 6.0 = 2.1$$

$$4.0 - 2.1 = 1.9$$

1.1

0.9

Frisco Hot Spring Sept. 1, 50 Vial 1

33 eggs - no dev. invidios cloudy
eggs but slightly larger than netella
normal eggs.
