

August 31, 1950 #3

Friedo River about 10 miles above Alva.

Examined  $2\frac{1}{2}$  miles, probably more, of stream  
A few goos on unspent, redds contain eggs, some  
eyed, ~~some~~ <sup>few</sup> fairly fresh. Many dead fish seen.

White protozoa present on bodies. One  
picked up dying. ~~More~~ Even more than  
usual have been going through resistant  
conditions, including settling on sand and  
breaking water.

33 Redds in an area 8 ft x 18 inches, 2-3 ~~ft~~ redds  
deep, along shore. Ridges almost all  
out of water. Bed. + fine p. or coarse sand.  
Eggs eyed.

Group of redds at head of <sup>an bar</sup> diversion dam  
pond ~~on upper end. B. silt out sand.~~

B. coarse sand or very fine gravel covered  
with silt. C  $\frac{2}{3}$  ft sec. L  $\frac{1}{10}$  ft sec.

Oldest redds near shore, freshest ones near  
channel.

Vial 5

October 18, 1950

eggs. cont.

10 miles below Cliff. Aug. 31, 1950

Vial 1

$$3.4 - 0.8 = 2.6$$

$$5.0 - 2.9 = 2.1$$

$$6.0 - 3.6 = 2.4$$

$$7.3 - 5.5 = 1.8$$

$$4.8 - 2.8 = 2.0$$

$$6.1 - 4.0 = 2.1$$

$$8.8 - 6.6 = 2.2$$

$$2.4 - 0.2 = 2.2$$

$$4.9 - 3.2 = 1.7$$

$$8.5 - 6.5 = 2.0$$

$$9.2 - 6.9 = 2.3$$

$$8.2 - 6.6 = 1.6$$

1.2

1.1

1.0

0.9

1.1

1.2

1.0

Selected

$$4.5 - 2.0 = 2.5$$

extremes

$$2.3 - 0.4 = 1.9$$

Oct 14, 1950 #2

*A. g. vicia* eggs.

Fruit ~~above~~ above Alma

Aug. 31, 50

V5.

D	$7.1 - 4.9 = 2.2$	$7.5 - 5.5 = 2.0$	1.0
2)	$2.8 - 0.5 = 2.3$	$8.4 - 6.3 = 2.1$	1.1
3)	$4.1 - 1.9 = 2.2$	$9.4 - 7.3 = 2.1$	1.1
4)	$5.8 - 3.6 = 2.2$	$9.4 - 7.4 = 2.0$	1.1
5)	$3.7 - 1.5 = 2.2$	$8.3 - 6.2 = 2.1$	1.1

---

~~10 mi. below Cliff~~ V2.

N.M., Catron Co., Rio San Francisco miles  
above Alma.

Aug. 31, 1950

W. S. K.

Agoria e. chrysopter  
of eggs: blastulae