

August 11, 1939 #1

Left camp in the Cimarron canyon and started south (Mileage 16176).

WJK39-08-11-01

Searched the Cimarron River at Cimarron. At this point the stream is 8 to 20, usually 15 to 20, feet wide. The riffles are 2 to 8 inches deep, the pools from 8 inches to 30 inches. Current moderate to strong. The bottom is largely rubble which is covered by silt in the more quiet pools. The water is white and still slightly turbid. Cover for the stream is fair. The "silvery minnow" and the long-nosed dace were taken from the end of the riffles. Both were ripe. The *Catostomus c. snyderi* were in the pools. Two *Rana pipiens* were seen. Air 70° W 66° T 10:30 AM

WJK39-08-11-02

Searched the Vermijo R. at Colfax. A muddy plains stream now 3 feet wide $\frac{3}{4}$ inch deep to 12 feet wide and one inch deep. Although there is evidence to show that it was 100 feet wide and two feet deep quite recently. The bottom is ~~sand~~ sand and silt; the current moderate. There is no shelter for either the stream or the fish. A 78° W 83° T. 11:30 AM. Shot a magpie here.

August 11, 1939 #2

WJK39-08-11-03
Saw the Canadian River just north of Maxwell
at this point the river is 10-20 feet wide,
very shallow ($\frac{3}{4}$ - 4 ^{inches} deep) frequently
splitting and rejoining in its wide arrays.
The bottom is sand and gravel, the current
moderate. Air and water both were 82° at 2.05 PM.

WJK39-08-11-04
Saw the Vermilion just north of French.
A very muddy stream, apparently receding
from being much higher. It is now a shallow
stream from $\frac{1}{2}$ inch to one foot deep. Its
width is usually between 20 and 30 feet
although in some places it narrows to 10 feet.
The bottom is sand and gravel. The current
moderate to strong. A.