

July 20, 1940. #1

WJK40-07-30-01

Joined the Rio Felix about one mile above the crossing of Highway 285 at Hageman.
A. 90 W. 75 / 9:45 AM.

The stream at this point seems smaller than farther down and ~~is~~ shows more signs of pollution than that place. A vile odor is frequently obvious which is generally absent lower down. The bottom is of rubble and boulders with mud in the deeper pools. Much filamentous algae is present. The water is clear and white. The size varies from two feet by two inches in the riffles to 50 feet by 3 feet in the pools. Mostly long shallow pools with slight riffles. Current slow to moderately strong. Dorosoma were in the deeper pools. They jump the seine quite readily.

Lepomis megalotis, C. carpio, Astyanax and were in the deeper pools.

Natropis "heterolepisoides" were both in the pools and in the riffles. Two males were ripe. Ictalurus punctatus one specimen with "pop eyes" and several leeches was found resting in the open shallows apparently quite ill.

July 30, 1970 #2.

Ameiurus melas estuaries. young were taken
from a deep fault hole.

Macrostoma ^[carpoides] were taken from the pools.

Hypognathus: were found in the deeper pools.

Kellyfish - shallower pools.

WJK40-07-30-02

Served the Rio Felix ^{2 miles} below crossing of
Highway 285 and Hagerman.

486 077 T. 11:30 AM.

Pools as large and deeper ~~as~~ as those at
Hagerman. The bottom is rubble ⁱⁿ ~~in~~ the ripples and
shallows and silt in the deeper pools.

Fish distributed essentially as above.

Cyprinodon and Lepidosteus were
taken in a pool.

Softshell turtle seen.

July ³⁰~~29~~ 1940 #3

WJK40-07-30-03

Searched the R. Felix at Hageman where Route 285 crosses. Same locality as yesterday. Attempted to get more darters.

A. 20 W 75 T 12:50 P.M.

Darters in shallow riffles along with other forms in jar. No other places searched.

Saw many gars at tail race ~~at~~ below Lake Macmillan. No collections, R. high & posted.

The Rio Pinaros was dry where the road crossed straight south of Arteria, just above Hope and almost as far as Trails End (as on an ^{+ Forest Service Map} ~~Conoco Map~~, Lower Pinaros).

The Rio Felix was dry, except for a cattle "tank" (without fish) at the crossing of Highway 13 about 20 miles west of Hageman.

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