

INSTITUTE FOR FISHERIES RESEARCH
DIVISION OF FISHERIES
MICHIGAN DEPARTMENT OF CONSERVATION
COOPERATING WITH THE
UNIVERSITY OF MICHIGAN

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DIRECTOR

ADDRESS
UNIVERSITY MUSEUMS
ANN ARBOR, MICHIGAN

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REPORT NO. 487

DATA OBTAINED ON RIVER ROUGE AND
ON FLINT RIVER,
AUGUST, 1938

River Rouge, August 4, 1938

West branch at Novi:

Air 88° 12:30 P.M.
Water 85°
1-2 cu. ft. per sec. of water

East branch at Haggert Road (100 yards north of Grand River):

Very small amount of standing water.

East branch at 10 Mile Road:

Air 86° 1:00 P.M.
Water 88°
About 0.5 cu. ft. per sec.

Middle branch at 10 Mile Road:

Air 87° 1:15 P.M.
Water 86°
Volume - 1 c.f.s.

West branch at 10 Mile Road:

Air 87° 1:30 P.M.
Water 87°
Volume - about 2 c.f.s.

Tributary to main stream at Novi Road:

Air 87°
Water 89°

Main stream at 9 Mile Road:

Air 88° 1:45 P.M.
Water 80°

Main stream at Fishery Road:

Air 87° 2:00 P.M. M.O. alkal. - 265
Water 82° phth " - 14
Volume - 2-3 c.f.s.
Average width - 6 feet
Depth 3" - 4"
pH - 8.2
CO₂ - 0.0

Main stream at Northville Road:

Air 87° 3:00 P.M.
Water 79°
Volume 6-8 c.f.s.
Carrying sewage

Fish at Fishery Road:

Many pumpkinseeds, Johnny and rainbow darters, and common shiners.
Also many small (1 inch) unidentified sunfish.

A few muddlers, chub suckers, common suckers, and golden shiners.

No trout.

Flint River in Genesee and Richfield Townships,

August 3, 1938

At Geneseeville:

Average width - 57 feet
Average depth - 1.3 feet
Volume - about 55 c.f.s.
Velocity - 1 foot per sec.
Color - white
Turbidity - slightly murky

Air temperature - 89°
Water temperature - 84° (2:00 P.M. Sky clear)
Pools - small, open, few
Bottom types:
Pools - silt over gravel
Riffles - Coarse gravel to rubble
Shade - Almost open; shaded some by trees along banks
PH - 7.8
O₂ - 6.5
CO₂ - 2.0
M.O. alkalinity - 151

At State Road - 5-6 miles upstream:

Air temperature - 92°
Water temperature - 85° (3:30 P.M. Sky clear)

Butternut Creek - tributary to Flint River:

At Mt. Morris Road - Air 92°, water 81°, 3:00 P.M.
At Francis Road - Air 93°, water 88°, 3:15 P.M.

There is a lack of suitable pools, and the water supply from springs is so limited that it is not sufficient to change the temperature.

Pike are reported to be in the river and forage fish are abundant.

Mr. Bryan Howay, Secretary Genesee Sportsman's Club, is interested in obtaining other species of fish if the river proved to be unsuitable for trout.

*correspondence
in file?*

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By M. R. Raymond
Party Leader