

Fleming Creek at Galpin Road Fact Sheet

Site History

Fleming Creek is a clear, cool, and powerful stream. It was important source of power for the first European settlement in this area. In 1824, Mr. Fleming built one of the first mills on the Huron River system. It was located on Fleming Creek very close to the current Botanical Gardens.

Fleming Creek is home to the locally endangered reaside dace after a successful translocation by fishery scientists. It is a type of minnow marked by broad red striped coloring on its sides. Like all dace, the fish has tiny scales and looks very smooth.

- Need Picture

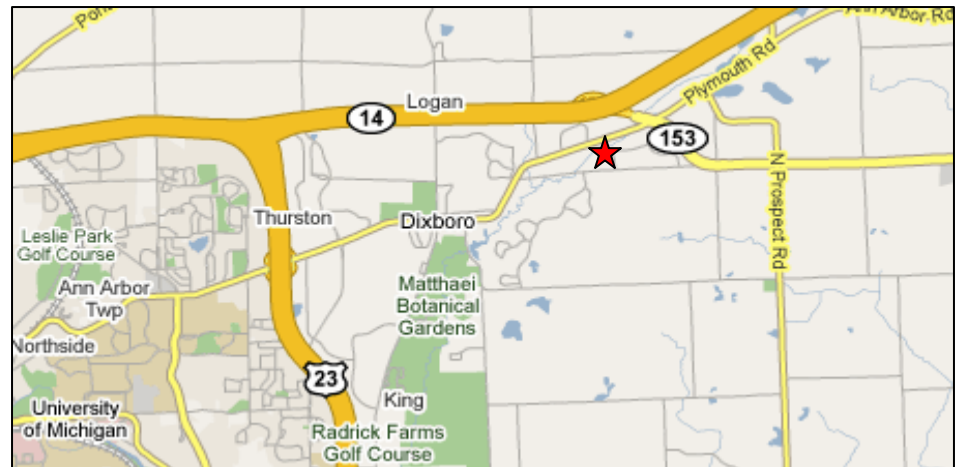
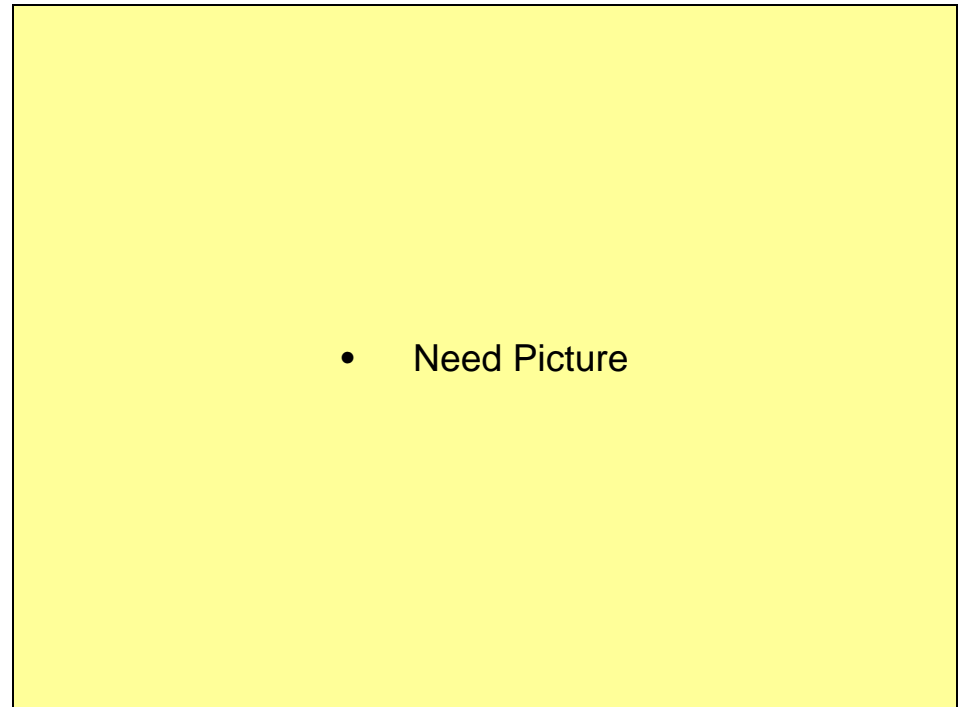
Watershed Information

Area of land draining to this site: 23 mi²

Local government: Washtenaw Co.; Salem, Superior Township

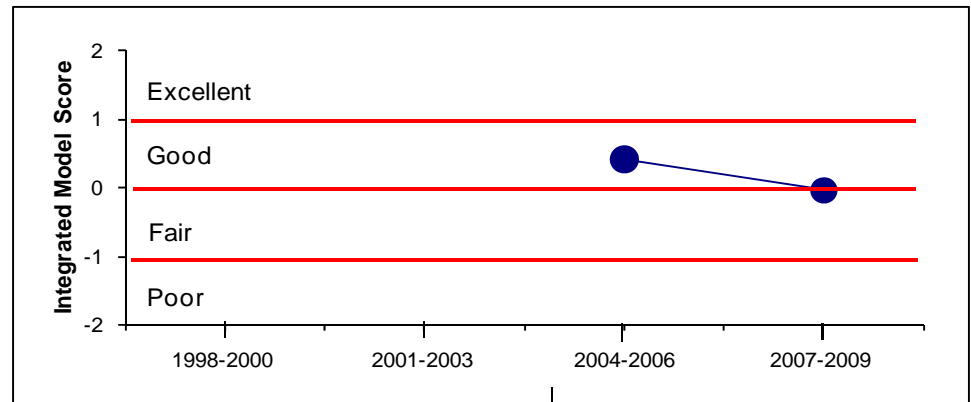
Watershed land use: 25% Agriculture, 38% Urban, 9% Forest, 24% Open, 0% Wetland.

17% of this land is impervious surface



Site Rating: Fair

Each site is rated as one of the following categories (going from worst to best): poor, fair, good, and excellent. This rating comes from an integrative model that is based on the last 3 years of insect data, the most recent habitat data, stream temperature, and stream size.



Insect Community First Monitored: 4/17/04 Times monitored: 15

From 2007-2009, the average number of insect families found at this location are:

Total Insect Families: 16

Sensitive Insect Families (quickly affected by pollution): 0.5

Mayfly, Stonefly, and Caddisfly Families: 5.3

Stonefly Families (Winter Stonefly Search): 1.0

Insects commonly found from 2007-2009:

Capniidae*- small winter stonefly

Perlodidae*- patterned stonefly

Baetidae- small minnow mayfly

Heptageniidae- flathead mayfly

Corixidae- water boatman

Gerridae- water strider

Veliidae- short-legged strider

Hydropsychidae- net-spinner caddisfly

Limnephilidae- northern caddisfly

Uenoidae- Uenoid caddisfly

Aeshnidae- darners dragonfly

Calopterygidae- broad-winged damselfly

Dytiscidae- predaceous diving beetle

Elmidae- riffle beetle

Gyrinidae- whirligig beetle

Chaoboridae- phantom midge

Simuliidae- black fly larva

Tipulidae- crane fly larva

*Sensitive Family

Stream Habitat

Water Temperature (Summer 2006):

Average weekly minimum: 59 °F

Average weekly maximum: 67 °F

Conductivity: 774 μS

This is a 3 year average of samples taken 1-3 times per year. 800 μS or lower is considered normal.

Measuring and Mapping Program Times monitored: 12

Measurements and Observations from most recent event held on 8/2/09:

Avg. Depth (ft): 0.4

Max Depth (ft): 0.9

Avg. Width (ft): 15

Bank Height (ft): 1.1

% Fine Substrate: 15

% Coarse Substrate: 80

% Riffle Embeddedness: <25

% Banks Bare: 8

Bad Appearance or Odor: No

Overall habitat score (100 max): 80