

Traver Creek at Broadway Avenue Fact Sheet

Site History

Traver Creek flows through the northern Ann Arbor area, starting in the agricultural lands north of the US-23 M-14 interchange, flowing south near several residential sub-divisions, underneath Plymouth Road, and through the Island Drive apartment complex. It joins the Huron River a little upstream of Island Park.

Like many urban streams, Traver Creek suffers from too much impervious surface in its watershed. As a result, during rain events water quickly enters into the stream and can cause high flow events. These events degrade the insect community.



Photo credit: HRWC

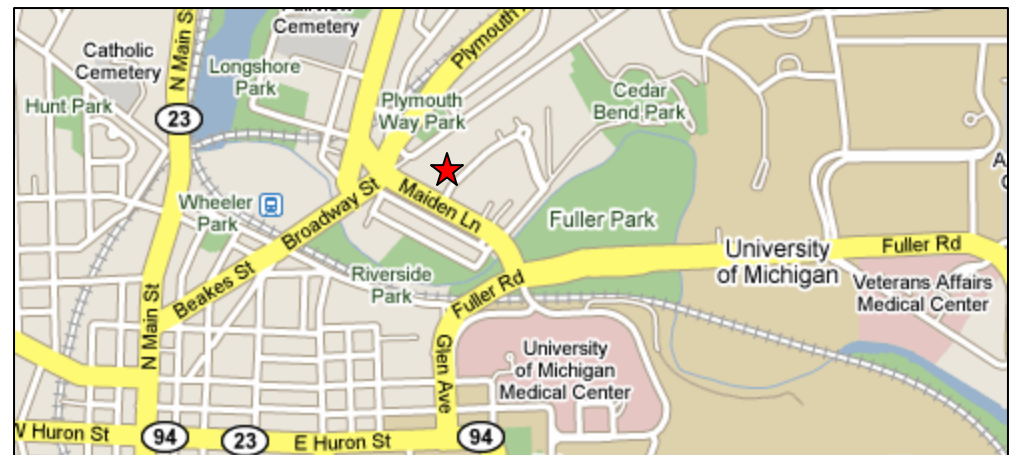
Watershed Information

Area of land draining to this site: 7 mi²

Local government: Washtenaw Co, Ann Arbor Twn. and city of Ann Arbor.

Watershed land use: 39% Agriculture, 39% Urban, 9% Forest, 7% Open, 6% Wetland.

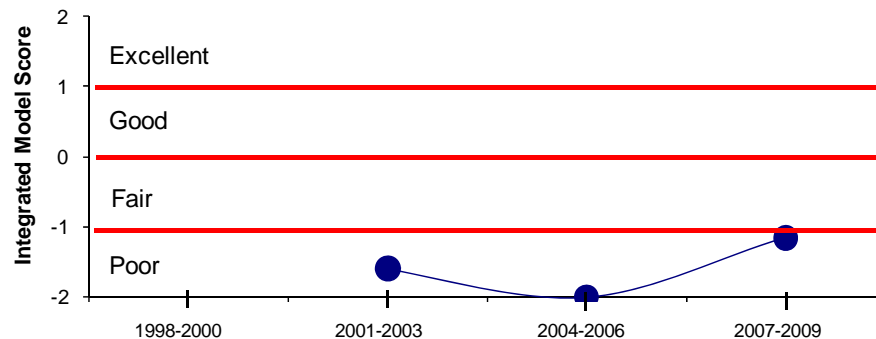
14% of this land is impervious surface



Google 2009

Site Rating: Poor

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: 9/19/92 Times monitored: 30

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

Total Insect Families: 8.7

Sensitive Insect Families (quickly affected by pollution): 0

Mayfly, Stonefly, and Caddisfly Families: 3.0

Stonefly Families (Winter Stonefly Search): 0.5

Insects found in sampling events from 2007-2009:

Capniidae*- smaller winter stonefly

Baetidae- small minnow mayfly

Caenidae- square-gilled mayfly

Heptageniidae- flathead mayfly

Veliidae- short-legged strider

Hydropsychidae- net-spinner caddisfly

Leptoceridae- long-horned case maker caddis

Aeshnidae- damner dragonfly

Calopterygidae- broad-winged damselfly

Coenagrionidae- narrow-winged damselfly

Elmidae- riffle beetle

Gyrinidae- whirligig beetle

Psephenidae- water penny

Chironomidae- midge

Simuliidae- black fly larva

Tipulidae- crane fly larva

*Sensitive Family

Stream Habitat

Water Temperature (Summer 2009):

Average weekly minimum: 63 °F

Average weekly maximum: 71 °F

Conductivity: 1398 μ S

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

Measuring and Mapping Program

Times monitored: 4

Measurements and Observations from most recent event held on 8/12/06:

Avg. Depth (ft): 0.2

Max Depth (ft): 0.6

Avg. Width (ft): 8.3

Bank Height (ft): 2.3

% Fine Substrate: 25

% Coarse Substrate: 75

% Riffle Embeddedness: <25

% Banks Bare: 5

Bad Appearance or Odor: No

Overall habitat score (100 max): 61.5