

82 Walker Creek at 8 Mile

Adopt-a-Stream Site Report

— Updated August 2021 —



Site Condition: **FAIR**

At this site there are many families of bugs and a couple of them are sensitive. The water is clean and cold, but this is a sandy and silty site which lowers the rating since these fine sediments are not favorable to insect life. This site also lacks winter stoneflies, perhaps due to the mucky substrate. Overall, the site has been given an condition rating of "fair". The site has worsened over time, which is concerning.



Photo credit: Max Bromley

Sampling Experience

Site Access: **EASY**

The team parks along the road right next to the creek.

Team Operations: **MODERATE**

Thick vegetation can hinder easy setup; but there are worse places.

Collection: **EASY**

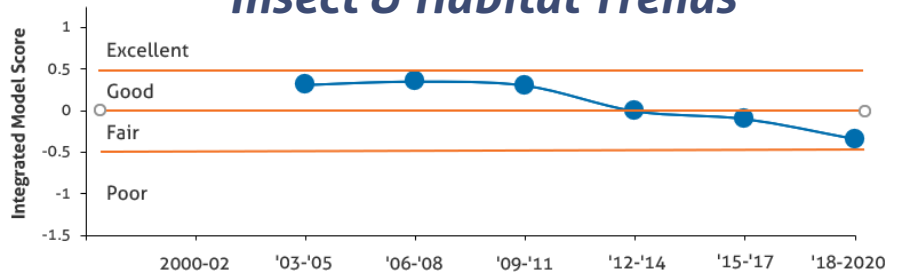
The creek is not deep and there is a good mix of substrates making wading easy enough.

Measuring Stream Quality

Why bugs?

When a stream is rich in habitat variety, it will have many diverse kinds of bugs (called families). Some bugs (known as "sensitive") can only live in good quality streams. Thus, streams with sensitive families have the clean water and good habitat required by those bugs to survive.

Insect & Habitat Trends



Monitoring Data

		2000 - 2009	2010 - 2019	2020 - 2030
Number of Site Visits	Fall	6	4	TBD
	Spring	6	5	TBD
	Winter	4	4	1
Average Insect Diversity		16.1	12.9	TBD
Average Sensitive Diversity		1.5	0.9	TBD
Average Winter Stonefly Families		0	0	0
Habitat	# of Surveys	2 <small>(2004, 2007)</small>	2 <small>(2011, 2016)</small>	TBD
	Summer Water T (F)	60 - 74 <small>(2002, 2006, 2009)</small>	Not Monitored	TBD
	Stream Width (ft)	9.3	7.6	TBD
	% Big Rocks	2.2	8.6	TBD
	% Rocks & Gravel	39.2	33.1	TBD
	% Sand	28.0	18.7	TBD
	% Muck	27.5	32.5	TBD

Davis Creekshed

Adopt-a-Stream Creekshed Profile

— Updated April 2021 —



Creekshed Profile

Davis Creek is one of the highest quality streams in the Huron River Watershed. The creekshed is large, draining 57 square miles. It is lovely to canoe on the lower stretches, where endangered species of fish and mussels are thriving. The creek is one of only three creeks in the watershed with stretches designated as a State Natural River Zone.

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Water Quality Parameters Grade

75-100	Healthy to Pristine	Land Use	C
		Natural Areas	C
50-74	Slightly Impacted	Stream Flow	A
		Stream Habitat	B
25-49	Highly Impacted	Macroinvertebrates	C
		Fish Community	A
0-24	Extremely Disturbed	Phosphorus	C
		E. coli	A
		Total Suspended Solids	A
		Stream Temperature	A
		Conductivity	B
		Dams	B
		Contaminants	C

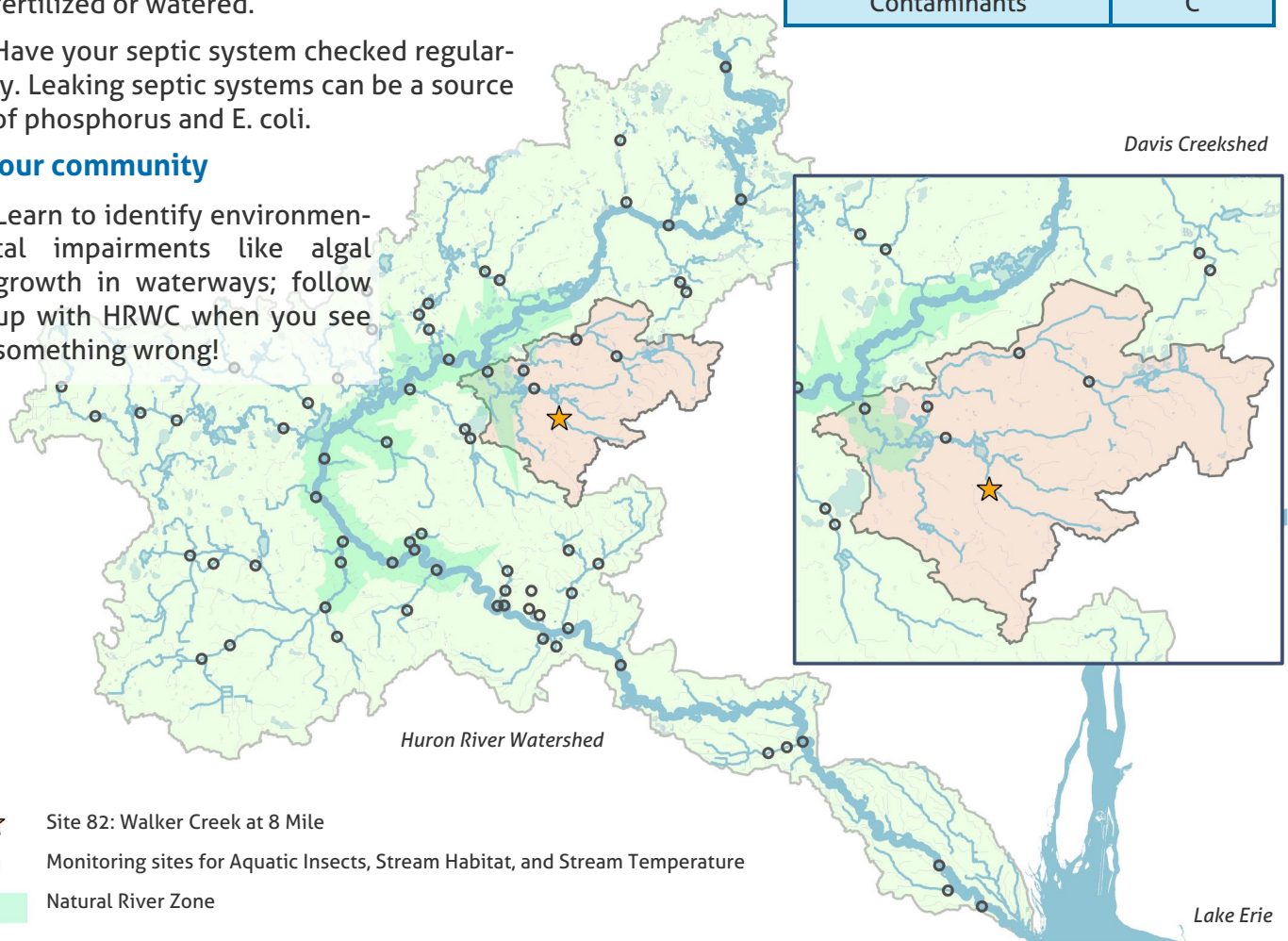
What You Can Do!

At home

- Minimize your turf lawn; plant deep rooted native plants that do not need to be fertilized or watered.
- Have your septic system checked regularly. Leaking septic systems can be a source of phosphorus and E. coli.

In your community

- Learn to identify environmental impairments like algal growth in waterways; follow up with HRWC when you see something wrong!



- ★ Site 82: Walker Creek at 8 Mile
- Monitoring sites for Aquatic Insects, Stream Habitat, and Stream Temperature
- Natural River Zone