

49 Davis Creek at Silver Lake Rd.

Adopt-a-Stream Site Report

— Updated April 2021 —



Site Condition: **GOOD**

At this site there are many kinds of bugs and several of them are sensitive. The streambanks, streambed, and streamside vegetation are healthy.

This is the healthiest place on Davis Creek, nonetheless the insect community here has been declining like many other places across Livingston County as suburban expansion introduces pollutants and habitat disturbance.



Photo credit: MSN

Sampling Experience

Site Access: **MODERATE**

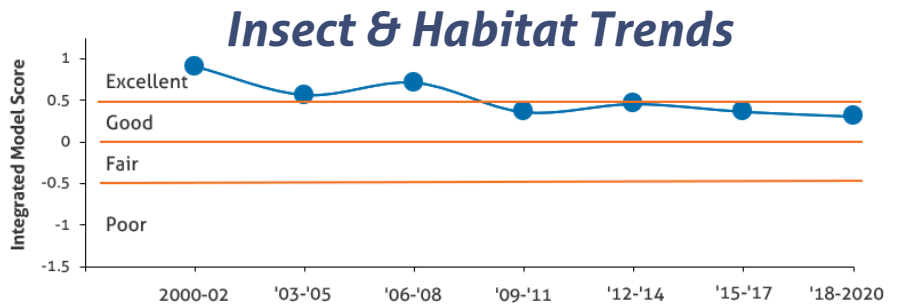
The site has easy parking and walking, but the side road leading to the house in the woods is easy to miss.

Team Operations: **EASY**

There is ample space for the team

Collection: **MODERATE**

This creek can be deep at this location after even moderate rainfall.



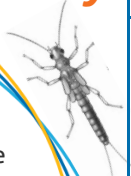
Monitoring Data

		2000 - 2009	2010 - 2019	2020 - 2030
Number of Site Visits	Fall	7	8	0
	Spring	9	7	0
	Winter	7	6	1
Average Insect Diversity		18.1	14.9	-
Average Sensitive Diversity		2.5	2.4	-
Average Winter Stonefly Families		1.6	1.8	1
Habitat	# of Surveys	2 (2001, 2007)	2 (2012, 2016)	0
	Summer Water T (F)	67.4 - 80.6 (2000, 2001, 2002)	Not Monitored	-
	Stream Width (ft)	36.3	33.1	-
	% Big Rocks	11.0	12.2	-
	% Rocks & Gravel	35.6	40.6	-
	% Sand	35.8	20.6	-
	% Muck	16.4	10.2	-

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.



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

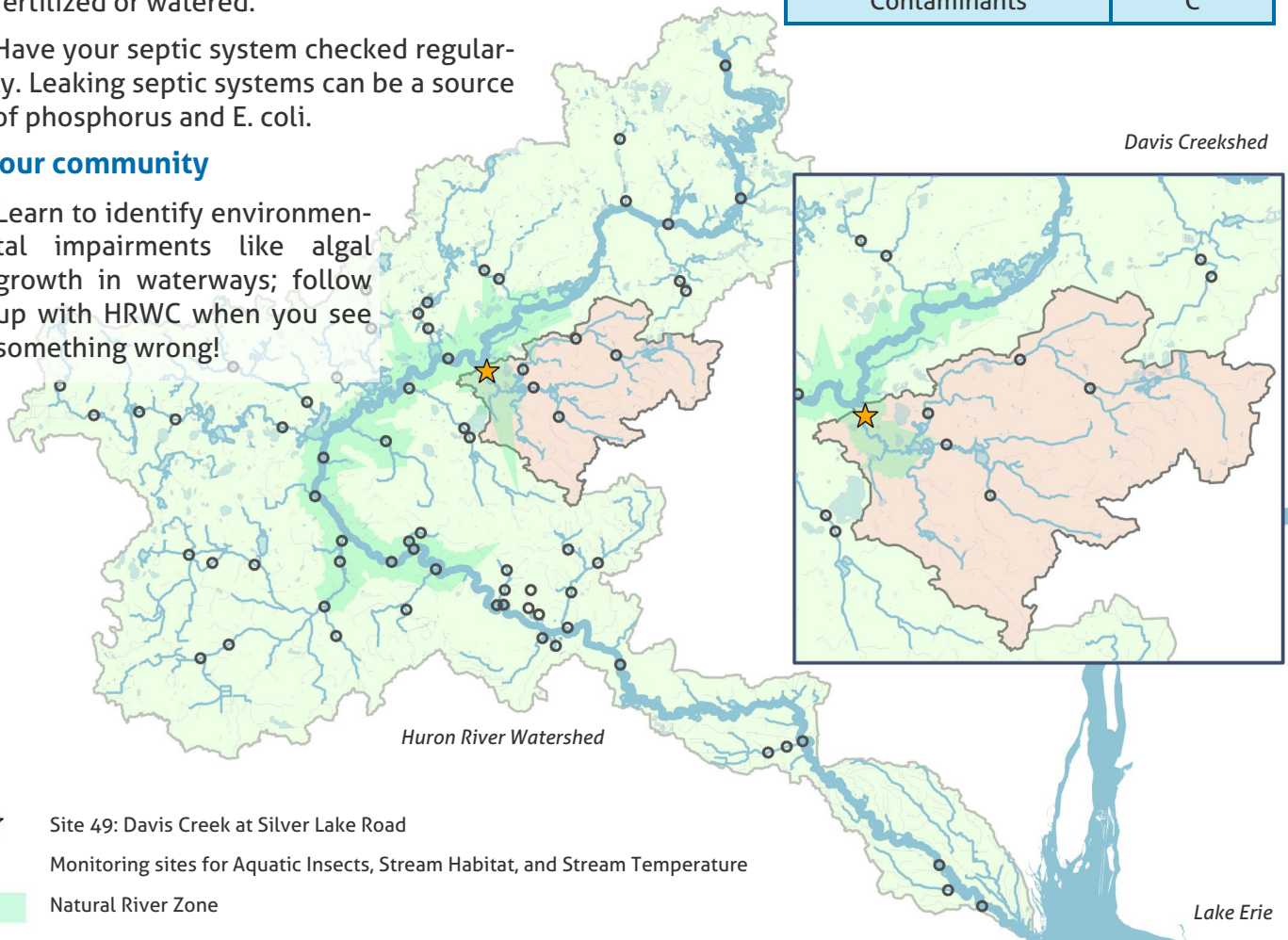
What You Can Do!

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 49: Davis Creek at Silver Lake Road
- Monitoring sites for Aquatic Insects, Stream Habitat, and Stream Temperature
- Natural River Zone

Lake Erie