

# 1 Arms Creek at Walsh Road

## Adopt-a-Stream Site Report

— Updated July 2021 —



### Site Condition: **FAIR**

This site ranks close to average. The water is clean and cool, the area is free of urban development and this part of the stream is protected by the Natural River designation. The banks and riparian zone are healthy, although the substrate is mucky.

### Sampling Experience

#### Site Access: **EASY**

Private ownership; HRWC has permission to be on the property from Loren Estleman.

#### Team Operations: **EASY**

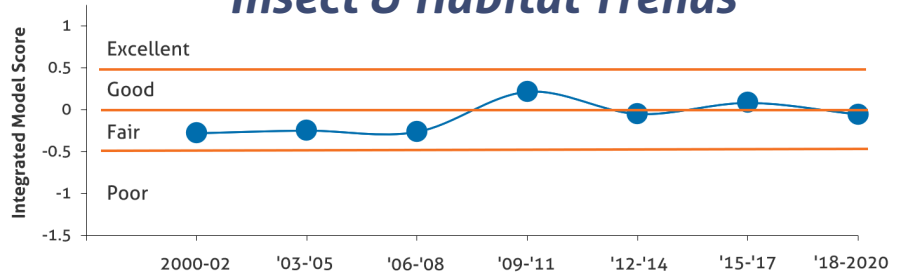
The walk to the creek is down a slight hill and unpaved.

#### Collection: **HARD**

Stream is mucky, especially along the edges. Fallen debris can prevent easy wading; possibility of deep waters.



### Insect & Habitat Trends



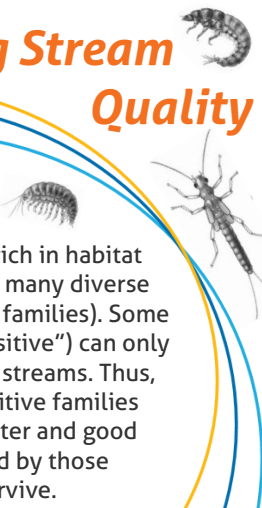
### Monitoring Data

		2000 - 2009	2010 - 2019	2020 - 2030
Number of Site Visits	Fall	6	7	TBD
	Spring	8	7	TBD
	Winter	8	6	TBD
Average Insect Diversity		12.25	12.36	TBD
Average Sensitive Diversity		0.58	1.5	TBD
Average Winter Stonefly Families		1.625	1	TBD
Habitat	# of Surveys	2 (2004, 2009)	1 (2016)	TBD
	Summer Water T (F)	59-75 (2000-2002)	Not Monitored	TBD
	Stream Width (ft)	18.18	23.98	TBD
	% Big Rocks	1.22	0	TBD
	% Rocks & Gravel	40.72	21.10	TBD
	% Sand	19.51	5.5	TBD
	% Muck	36.03	64.22	TBD

### 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.



# Arms Creekshed

## Adopt-a-Stream Creekshed Profile

— Updated December 2020 —



### Creekshed Profile

Arms Creek is one of only three Huron River tributaries of which a portion is designated by the State as a Natural River Zone. This designation retains the scenic appearance of the stream by restricting the location of new buildings and the clearing of trees and vegetation, which helps prevent bank erosion.

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75-100	Healthy to Pristine
50-74	Slightly Impacted
25-49	Highly Impacted
0-24	Extremely Disturbed

### Water Quality Parameters Grade

Land Use	B
Natural Areas	C
Stream Flow	Unknown
Stream Habitat	B
Macroinvertebrates	C
Fish Community	A
Phosphorus	Unknown
E. coli	Unknown
Total Suspended Solids	Unknown
Stream Temperature	A
Conductivity	A
Dams	A
Contaminants	B

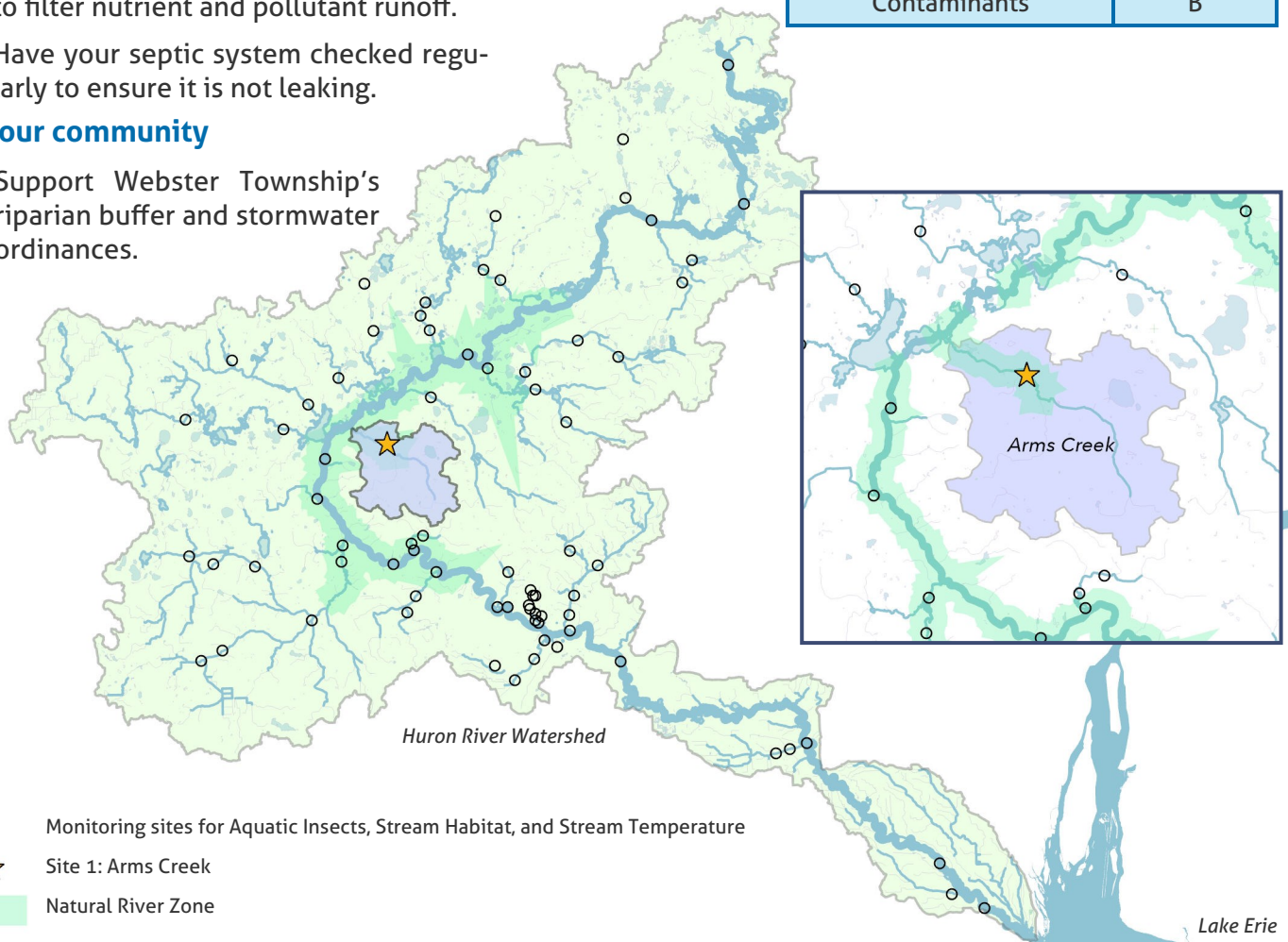
### What You Can Do!

#### At home

- Maintain a vegetative buffer between your yard (or farmland) and the creek to filter nutrient and pollutant runoff.
- Have your septic system checked regularly to ensure it is not leaking.

#### In your community

- Support Webster Township's riparian buffer and stormwater ordinances.



- Monitoring sites for Aquatic Insects, Stream Habitat, and Stream Temperature
- ★ Site 1: Arms Creek
- Natural River Zone