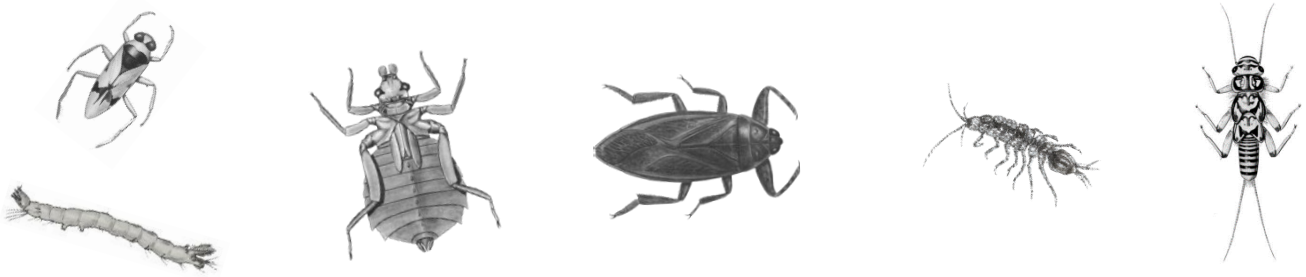
2025 BioMonitoring Report
For Benthic Macroinvertebrates
In the Alliance of Downriver Watersheds (ADW)

Alliance of Downriver Watersheds
OURS TO PROTECT

Compiled by Dr. Paul Steen, Huron River Watershed Council



On behalf of the Alliance of Downriver Watersheds, **the Huron River Watershed Council and Sue Thompson from the Wayne County Dept. of Public Services, Water Quality Management Division** lead benthic macroinvertebrate sampling in the fall and spring of each year. Staff and volunteers visit rivers and creeks across the Downriver region and collect samples of the critters that live in the stream and on the streambed.

"Benthic macroinvertebrates" are another word for stream insects, crustaceans, worms, and mollusks. The word "benthic" refers to the bottom of a lake or stream, the word "macro" means they are large enough to see with the naked eye, and "invertebrates" are creatures without backbones.

Benthic macroinvertebrates are good indicators of water and habitat quality because they live in the water year-round and are exposed to all the stressors and threats that the stream faces, such as chemical pollution, high and fast water flow, and erosion.

In 2025, HRWC and Wayne County sampled macroinvertebrates in the ADW 22 times at 13 locations, continuing the ADW monitoring program that began in the mid-2000s (Some of the Huron River based sites have been monitored since the mid-1990s).

How are the sampling sites rated?

We use four different metrics of benthic macroinvertebrates to rate the benthic community. The first three of these metrics are calculated by the number of families in a sample. A "family" is a taxonomic term that indicates a type of macroinvertebrate (for example, it is possible to find about 10 different mayfly families in our area of Michigan). In general, the more families found, the healthier the stream.

1. **All insects:** This metric is a count of all insect families in the sample. It serves as a general indicator of stream health and habitat diversity in particular.
2. **EPT:** Standing for Ephemeroptera-Plecoptera-Trichoptera, this metric is a count of all mayfly, stonefly, and caddisfly families in the sample. These insects are sensitive to water temperature and oxygen availability. Stagnant or warm streams will not have many of these families.
3. **Sensitive:** There are 21 insect families found in southeast Michigan that are particularly sensitive to organic pollution (i.e. fertilizers, animal and human waste). This metric is a count of those insect families. Up to six or seven of these families might be found in a single sample from near pristine streams, but even highly healthy streams will usually only have three or four. Finding one or two is normal for an average stream, and degraded streams won't have any.
4. **MiCorps Water Quality Rating (WQR)**

   The MiCorps WQR is the fourth metric used to determine benthic population quality. This rating is one used by all stream monitoring groups involved in the Michigan Clean Water Corps Program (www.micorps.net), thus it is a statewide measure and used to compare Michigan streams. WQR is an index of biotic integrity (IBI) measure that is essentially a weighted average of insect pollution tolerance values, ranging from 0 to 10. A score of 0 is extremely healthy and a 10 is highly degraded.

   The abundance of macroinvertebrates plays into this score as well. It is expected that any particular sample should have between 100-150 macroinvertebrate specimens to give the most accurate score. However, in highly degraded streams collecting this many is not always possible as populations will be low. Samples with very low abundances will essentially break the math of the MiCorps WQR and usually result in a higher score than the stream should have. Thus, if a collection comes back with less than 30 specimens it is

Water Quality Rating			Degree of Organic Pollution
0.0-3.50	excellent		Pollution unlikely
3.51-4.50	very good		Slight pollution possible
4.51-5.50	good		Some pollution possible
5.51-6.50	fair		Fairly substantial pollution likely
6.51-7.50	fairly poor		Substantial pollution likely
7.51-8.50	poor		Very substantial pollution likely
8.51-10.0	very poor		Severe pollution likely

automatically given a 10, and a collection with less than 60 specimens is automatically given a 7.

In the ADW, the best score from this past year was a 4.8 (Good) and the worst score was a 10 (Very Poor, due to abundance <30).

Ranking:

Each metric for each stream site is averaged over a ten-year period. The stream with the highest metrics in the ADW is Site CD-11 — Blakely Drain: Vining Road. We use this site as our *reference stream*, meaning it serves as the benchmark for comparison with all other sampling sites. Each site receives a percentage score based on how its diversity compares to the reference site. In theory, any stream could be as healthy as CD-11; the farther a site's score falls below that benchmark, the lower the quality of its macroinvertebrate community.

For example, Woods Creek, has 92% of the diversity of site CD-11 and therefore is only slightly worse than CD-11. Ecorse Creek, a severely degraded stream, has 34% of the diversity of site 25.

The sites are then ranked from most to least diverse, allowing us to quickly see the relative health of each stream's macroinvertebrate population—and by extension, its water quality and habitat condition. For example, Woods ranks 3rd out of the 20 sites with a diversity score of 87%, while Ecorse ranks 18th out of 20.

Trends: It is important to understand if each site is getting better, worse, or staying the same through time. HRWC has used a variety of techniques to look at trends over the years.

In 2025, HRWC started to use the Mann-Kendall test to determine whether each metric is improving or declining over time. The Mann-Kendall test is a non-parametric statistical method that does not require assumptions like normality, making it well suited for environmental datasets that are often irregular and autocorrelated. The test requires at least eight data points, meaning several years of monitoring are needed before a meaningful trend can be evaluated. Although the Mann-Kendall test has relatively low statistical power—so small trends may go undetected—when a trend is identified, we can be confident that it reflects a real change in the data.

Since 8 measurements are needed at a location to determine trend, only the sites that have been monitored the longest have enough data at this point for trend testing. This is a change from the past where we gave more trend information with less data. So this year, we are being more cautious in our analysis and giving fewer results, but are more likely to give accurate results.

We test 8 different metrics for trends: insect, EPT, and sensitive diversities, and MiCorps WQR for both fall and spring (the seasons are treated separately from each other).

Summary of 2025

Status, Rankings, and Highlights

The primary story that can be told from ADW macroinvertebrate data is that **most ADW streams have degraded water quality and habitat conditions due to heavily urbanized environments**. Streams regularly rank "Fair" or "Fairly Poor" according to the MiCorps scoring scheme which is indicative of low dissolved oxygen conditions and channelized habitat.

There are a few locations that are quite healthy! The best example of this is Blakely Drain at Vining Road. Sue Thompson at Wayne County has been monitoring this site frequently just within the last several years. And the results are surprisingly good. The macroinvertebrate diversity here is just as good or better than most of the streams in the Huron River Watershed. HRWC and Wayne County have told EGLE about these findings and are planning more followup monitoring, including chemistry and flow monitoring, to better understand this site. It could be an exciting success story for the ADW.

Similarly, Woods Creek remains a healthy site as it has since monitoring first started in the 1990s. Pollution-sensitive insects are regularly found here, and the habitat is varied which provides different living conditions for different types of creatures.

A user of this report can scan through the rankings in the table below, looking at the number of total insects and number of sensitive insects found at each location. Locations with sensitive insects and MiCorps WQR rating- like Woods Creek, or Brooks Creek, will have the best water quality. Locations with the highest number of total insects, like Blakely Drain, will have the most varied habitats.

Trends

We don't have enough data to give trend results for most of our sampling sites, as the Mann-Kendall test requires eight data points, and simultaneously HRWC and Wayne County have recently taken on the new MiCorps WQR scoring and changed several sample sites. This is something that will improve with time and more data is collected.

The specifics are included in the bullets below, but to summarize, 5 of the 8 sites that have enough data to test for trends are significantly declining. This is concerning, and certainly confirms the need for continual monitoring and reporting of macroinvertebrate monitoring to the ADW leadership.

Of the 20 ADW sites regularly monitored:

- 12 sites are too new to yet judge.

- 1 sites has increasing metrics (HR-60: Port Creek is increasing in sensitive insects).
- 1 site has stable metrics (HR-2: Woods Creek).
- 1 site has some increasing and some decreasing metrics—overall trends are inconclusive (CD-2: Frank and Poet: SAHS-East).
- 5 sites have declining metrics (the more metrics decreasing; the more concerning the loss).
    a. HR-23: Huron River: Flat Rock Boat Launch is decreasing in Spring EPT (1 metric)
    b. HR-7: Silver Creek: King Road is decreasing in Fall Insect and Fall EPT metrics. (2 metrics)
    c. EC-7: Ecorse Creek North: RA Young Rec Center is decreasing in Fall and Spring MiCorps WQR. (2 metrics)
    d. CD-14: Blakely Drain: Racho Road is decreasing in Spring EPT and Fall and Spring MiCorps WQR. (3 metrics)
    e. HR-1: Silver Creek: Flat Rock Community Park is decreasing in Spring Insect, EPT, and MiCorps WQR. (3 metrics)

Cruise the InfoStream

The next several pages of this report give the most recent BioMonitoring results. HRWC also has an online mapping system where you can see the location of the ADW monitoring sites as well as graphs over time for each metric.

HRWC online maps: https://www.hrwc.org/our-watershed/maps/

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent year and # families	10 year average	Significant Trend
CD-11: Blakely Drain: Vining Rd	**1**	Spring	2025	14	11.5	Insufficient data	5	3.5	Insufficient data	2	2.0	Insufficient data	6.5, Fairly Poor	6.5, Fair	Insufficient data	2025	0.0	Insufficient data
	100%	Fall	2025	17	16.5	Insufficient data	4	3.5	Insufficient data	2	2.0	Insufficient data	6.8, Fairly Poor	6.8, Fairly Poor	Insufficient data	0		
	Sampled 2007, 2022-2025 by Wayne County. This stream, now wrapped around an Amazon Distribution Center, was heavily engineered and restored around 2010. Regular sampling, which started in 2022, has revealed that this is the healthiest ADW stream for macroinvertebrates. As the best site in the ADW, Blakely Drain at Vining Road is considered the reference site to which the other sites are compared.																	
HR-2: Woods Creek: L Huron Metropark	**2**	Spring	2025	9	11.2	-	5	5.1	-	2	2.0	-	7, Fairly Poor	5.8, Fair	-	2025	1.7	-
	92%	Fall	2024	12	10.5	-	3	3.3	-	1	0.4	-	4.8, Good	5.1, Good	-	2		
	Sampled 1997-2025 by HRWC and Wayne County. Woods Creek is unchanging, statistically, and is a healthly location in the ADW. Several teams have pulled poor samples from here recently though, so HRWC is watching the site carefully to be sure it isn't declining.																	
CD-9B: Blakely Drain: Middlebelt Rd	**3**	Spring	2025	12	12.5	Insufficient data	3	2.5	Insufficient data	2	1.5	Insufficient data	6, Fair	5.9, Fair	Insufficient data	2025	0.3	Insufficient data
	71%	Fall	2024	11	9.0	Insufficient data	1	1.0	Insufficient data	1	1.0	Insufficient data	7.3, Fairly Poor	7.4, Fairly Poor	Insufficient data	0		
	Sampled 2022-2025 by Wayne County. This newly monitored site has a lot of promise! All of the Blakely Drain sites are among the healthiest in the ADW.																	
HR-23: Huron River: Flat Rock Boat Launch	**4**	Spring	2022	9	9.4	-	4	2.3	Declining	0	0.3	-	6.4, Fair	6.2, Fair	-	2023	1.3	-
	69%	Fall	2025	15	10.3	-	5	3.5	-	1	0.5	-	4.8, Good	5.1, Good	-	2		
	Sampled 1996-2025 by HRWC. The macroinvertebrates here are in fair condition. We switched sites in 2022 at Flat Rock to get a location that had safer access. This is a site to watch as we try to confirm if they switch in site makes a difference in the sampling success and amounts we find. (first site: 1996-2021; second site: 2022-2025). Fall 2025 was the best sample in Flat Rock in years! As a deep location, we need lower water flows to get representative samples here.																	

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent year and # families	10 year average	Significant Trend
CD-9: Blakely Drain: Merriman Rd	**5**	Spring	2024	12	9.5	Insufficient data	3	2.5	Insufficient data	0	0.0	Insufficient data	7, Fairly Poor	7, Fairly Poor	Insufficient data	2018	0.0	Insufficient data
	61%	Fall	2017	9	13.0	Insufficient data	2	3.0	Insufficient data	1	0.3	Insufficient data	0, No rating	0, No rating	Insufficient data	0		
	Sampled 2007-2025 by Wayne County. All of the Blakely Drain sites are among the healthiest in the ADW.																	
HR-3: Brooks Drain: Brooks Drain	**6**	Spring	2025	10	10.0	Insufficient data	2	2.0	Insufficient data	3	3.0	Insufficient data	6.6, Fairly Poor	6.6, Fairly Poor	Insufficient data	2022	1.0	Insufficient data
	60%	Fall	2025	8	8.0	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	10, Very Poor	10, Very Poor	Insufficient data	1		
	Sampled 2022-2025 by Wayne County.																	
HR-7: Silver Creek: King Rd	**7**	Spring	2024	9	8.8	-	2	2.5	-	2	1.2	-	6.9, Fairly Poor	6.9, Fairly Poor	-	2022	0.0	Insufficient data
	58%	Fall	2025	7	7.0	Declining	1	1.5	Declining	1	0.2	-	7.6, Poor	7.6, Poor	-	0		
	Sampled 2007-2025 by Wayne County. Spring samples have been significantly declining here.																	
HR-5: Regan Drain: Willow Metropark Interloop Rd	**8**	Spring	2024	6	6.0	Insufficient data	1	1.0	Insufficient data	0	0.0	Insufficient data	5.9, Fair	5.9, Fair	Insufficient data	2023	0.0	Insufficient data
	45%	Fall	2024	7	9.5	Insufficient data	2	1.5	Insufficient data	0	0.0	Insufficient data	7, Fairly Poor	7.1, Fairly Poor	Insufficient data	0		
	Sampled 2022-2025 by HWRC. This location is upstream of the former Washago Pond (which drained after a dam break several years ago.)																	

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent year and # families	10 year average	Significant Trend
HR-60: Port Creek: Armstrong Road	**9**	Spring	2023	10	7.0	-	1	1.8	-	1	1.5	Improving	6.6, Fairly Poor	6.7, Fairly Poor	-	2015	0.0	Insufficient data
	43%	Fall	2024	12	6.8	-	1	0.7	-	0	0.0	-	6.5, Fairly Poor	6.8, Fairly Poor	-	0		
	Sampled 1994-2024 by HRWC. This site is consistently poor, but has improved in just the last couple of years! The Fall 2025 sample was the best seen since 2001. Winter stoneflies are not found here.																	
CD-2: Frank and Poet: SAHS-East	**10**	Spring	2025	7	5.6	Improving	1	0.9	-	0	0.0	-	6.8, Fairly Poor	6.8, Fairly Poor	Declining	None		
	41%	Fall	2025	9	6.6	-	1	1.4	-	0	0.0	-	6.6, Fairly Poor	6.4, Fair	Declining			
	Sampled 2004-2025 by Wayne County.																	
CD-7: Frank and Poet: Southland Mall	**10**	Spring	2023	3	4.0	Insufficient data	0	0.7	Insufficient data	0	0.0	Insufficient data	6.8, Fairly Poor	6.6, Fairly Poor	Insufficient data	None		
	41%	Fall	2023	10	8.4	Insufficient data	2	1.2	Insufficient data	0	0.2	Insufficient data	6.7, Fairly Poor	6.5, Fair	Insufficient data			
	Sampled 2005-2023 by Wayne County																	
CD-1: Frank and Poet: SAHS-West	**12**	Spring	2025	7	5.7	Insufficient data	1	1.0	Insufficient data	0	0.0	Insufficient data	6.7, Fairly Poor	6.5, Fair	Insufficient data	None		
	39%	Fall	2025	5	5.3	Insufficient data	1	1.0	Insufficient data	0	0.0	Insufficient data	7.3, Fairly Poor	6.9, Fairly Poor	Insufficient data			
	Sampled 2004-2025 by Wayne County.																	

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent year and # families	10 year average	Significant Trend
HR-4: Smith Creek: Flat Rock Community Center	**13**	Spring	2025	7	6.0	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	10, Very Poor	10, Very Poor	Insufficient data	None		
	36%	Fall	2025	10	10.0	Insufficient data	2	2.0	Insufficient data	0	0.0	Insufficient data	4.9, Good	4.9, Good	Insufficient data			
	Sampled 2007-2025 by Wayne County and HRWC.																	
CD-13: Blakely Drain: Wahrman Rd	**14**	Spring	2022	7	7.0	Insufficient data	0	0.0	Insufficient data	1	1.0	Insufficient data	6.2, Fair	6.2, Fair	Insufficient data	None		
	35%	Fall	2010	5	5.0	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data			
	Sampled 2010-2025 by Wayne County																	
EC-6: Ecorse Creek South: Millward Park	**15**	Spring	2025	3	2.8	-	1	0.8	-	0	0.0	-	6.2, Fair	6.3, Fair	Insufficient data	2008	0.0	Insufficient data
	34%	Fall	2025	6	3.7	Insufficient data	2	0.7	Insufficient data	0	0.0	Insufficient data	6, Fair	6.7, Fairly Poor	Insufficient data	0		
	Sampled 2007-2025 by Wayne County and HRWC.																	
CD-14: Blakely Drain: Racho Rd	**16**	Spring	2025	6	5.2	-	0	0.2	Declining	0	0.0	-	6.9, Fairly Poor	6.5, Fair	Declining	None		
	33%	Fall	2025	5	4.0	-	0	0.4	-	0	0.1	-	7.3, Fairly Poor	7.3, Fairly Poor	Declining			
	Sampled 2011-2025 by Wayne County																	

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent year and # families	10 year average	Significant Trend
HR-1: Silver Creek: Flat Rock Community Park	**17**	Spring	2023	4	5.0	-	0	0.2	-	0	0.0	-	7, Fairly Poor	7,Fairly Poor	-	None		
	31%	Fall	2024	7	6.8	Declining	0	0.4	Declining	0	0.2	-	7, Fairly Poor	7.2, Fairly Poor	Declining			
	2004-2025 by Wayne County and HRWC. HRWC took over in 2022. It is a very poor site, and has only gotten worse.																	
EC-7: Ecorse Creek North: RA Young Recreation Center	**18**	Spring	2025	2	2.4	-	0	0.4	-	0	0.0	-	7, Fairly Poor	6.9, Fairly Poor	Declining	None		
	30%	Fall	2025	3	3.0	-	1	1.1	-	0	0.0	-	7, Fairly Poor	7.8, Poor	Declining			
	2004-2025 by Wayne County and HRWC. HRWC took over in 2022.																	
CD-3: Brownstown Creek: Woodhaven Community Park	**19**	Spring	2025	8	5.7	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	7.2, Fairly Poor	7.6, Poor	Insufficient data	None		
	29%	Fall	2025	6	5.0	-	0	0.0	-	0	0.0	-	7.5, Fairly Poor	7.8, Poor	Declining			
	Sampled 2005-2025 by Wayne County.																	
CD-5A: Frank and Poet: West Road Grow Zone	**20**	Spring	2021	5	5.3	Insufficient data	1	0.7	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
	28%	Fall	2022	3	5.1	-	0	1.0	-	0	0.0	-	7.1, Fairly Poor	7.1, Fairly Poor	-			
	Sampled 2008-2025 by Wayne County.																	

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent year and # families	10 year average	Signifi-cant Trend
HURON RIVER WATERSHED																		
INACTIVE SITES																		
HR-5A: Regan Drain: Washago Pond outlet		Spring	2012	6	6.0	Insufficient data	2	2.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0			
HR-6: Silver Creek: Vining Rd		Spring	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0	None		
		Fall	2007	6	6.0	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data			
HR-8: Sherman Drain: Brownstown MS		Spring	2019	5	5.0	Insufficient data	1	1.5	Insufficient data	1	0.5	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2019	7	6.0	Insufficient data	1	0.5	Insufficient data	1	0.5	Insufficient data	0, No rating	0	Insufficient data			

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent year and # families	10 year average	Significant Trend
ECORSE CREEK INACTIVE SITES																		
EC-10: Black Creek: Black Creek		Spring	2008	7	7.0	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2008	7	8.5	Insufficient data	0	1.0	Insufficient data	0	0.5	Insufficient data	0, No rating	0	Insufficient data			
EC-11: Ecorse Creek North: Van Born Rd		Spring	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0	None		
		Fall	2021	4	5.3	Insufficient data	0	0.7	Insufficient data	0	0.3	Insufficient data	7.5, Poor	7.5, Fairly Poor	Insufficient data			
EC-12: Trouton Drain: Sergeant Rd		Spring	2010	4	4.0	Insufficient data	1	1.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0			
EC-13: Black Creek: Romulus Elementary		Spring	2012	2	2.0	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0	0			
EC-14: Trouton Drain: Wayne Rd		Spring	2022	4	5.8	Insufficient data	0	0.5	Insufficient data	0	0.5	Insufficient data	6.1, Fair	6.1, Fair	Insufficient data	None		
		Fall	2021	4	4.0	Insufficient data	1	1.0	Insufficient data	0	0.0	Insufficient data	6.6, Fairly Poor	6.6, Fairly Poor	Insufficient data			

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent year and # families	10 year average	Signifi-cant Trend
EC-2: Ecorse Creek North: Pepper Park		Spring	2013	3	3.0	Insufficient data	0	0.0	Insufficient data	1	0.2	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2014	3	4.5	Insufficient data	0	0.1	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data			
EC-3: Ecorse Creek South: Beaver Park		Spring	2006	1	1.5	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2015	10	7.1	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data			
EC-4: Grams Drain: Grams Drain		Spring	2019	4	4.4	-	0	0.1	-	0	0.1	-	0, No rating	0	-	None		
		Fall	2019	5	6.1	-	0	0.1	Declining	0	0.1	-	0, No rating	0	-			
EC-5: Ecorse Creek North: Council Point Park		Spring	2014	4	3.6	Insufficient data	0	0.0	Insufficient data	0	0.1	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2014	9	7.9	Insufficient data	1	0.1	Insufficient data	0	0.1	Insufficient data	0, No rating	0	Insufficient data			

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent year and # families	10 year average	Significant Trend
EC-6A: Ecorse Creek South: Reeck Rd		Spring	2021	4	3.0	Insufficient data	1	0.5	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2020	4	5.0	Insufficient data	1	1.5	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data			
EC-9: Ecorse Creek South: Inkster Rd		Spring	2021	3	4.2	Insufficient data	0	0.0	Insufficient data	1	0.8	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2022	3	4.7	Declining	0	0.6	Declining	0	0.3	-	7.8, Poor	7.7, Poor	Declining			

COMBINED DOWNRIVER
INACTIVE SITES

CD-4: Frank and Poet: Pheasant Run Park		Spring	2015	4	3.5	Insufficient data	1	1.0	Insufficient data	0	0.5	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2016	4	6.0	Insufficient data	1	1.0	Insufficient data	0	0.3	Insufficient data	0, No rating	0	Insufficient data			

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent	10 year average	Signifi-cant Trend	Most recent year and # families	10 year average	Signifi-cant Trend
CD-4A: Frank and Poet: Seitz Middle School		Spring	2014	6	6.0	Insufficient data	1	1.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2011	5	5.0	Insufficient data	0	0.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data			
CD-5: Frank and Poet: Trenton HS		Spring	2008	5	2.5	Insufficient data	2	1.0	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2007	8	5.8	Insufficient data	3	1.6	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data			
CD-6: Brownstown Creek: Brownstown Township Hall		Spring	2006	3	4.0	Insufficient data	0	0.5	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2007	7	8.0	Insufficient data	0	0.5	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data			
CD-8: Frank and Poet: Van Born Rd		Spring	2017	6	3.6	Insufficient data	0	0.2	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2018	7	5.3	-	1	0.8	-	0	0.0	-	0, No rating	0	-			

Site	Site Ranking (out of 20) ---------- % Metrics of Reference site	Season	Year of most recent sample	Insect Family Diversity			EPT Family Diversity			Sensitive Family Diversity			MiCorps WQR Rating			Winter Stoneflies Family Diversity		
				Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent	10 year average	Significant Trend	Most recent year and # families	10 year average	Significant Trend
CD-10: Frank and Poet: Inkster Rd-Frank and Poet		Spring	2015	4	6.0	Insufficient data	1	1.3	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2009	5	8.8	Insufficient data	0	1.8	Insufficient data	1	0.5	Insufficient data	0, No rating	0	Insufficient data			
CD-12: Blakely Drain: Gudith School		Spring	2012	7	6.8	Insufficient data	0	0.2	Insufficient data	1	0.5	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2012	9	7.7	Insufficient data	0	0.5	Insufficient data	1	0.2	Insufficient data	0, No rating	0	Insufficient data			
CD-15: Frank and Poet: Homeister Rd		Spring	2018	4	5.0	Insufficient data	1	0.7	Insufficient data	0	0.0	Insufficient data	0, No rating	0	Insufficient data	None		
		Fall	2021	9	5.5	-	1	0.8	-	0	0.0	-	7, Fairly Poor	7, Fairly Poor	-			