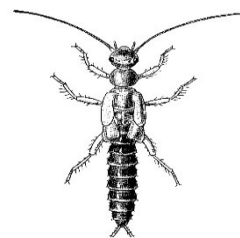


Huron River Watershed Council

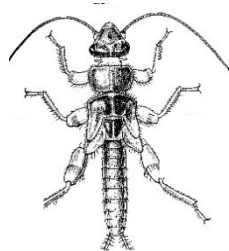
Winter Stonefly Search 2021 Data



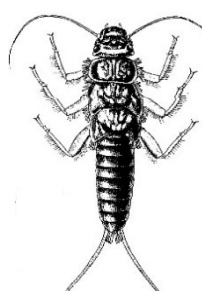
Protecting the river since 1965



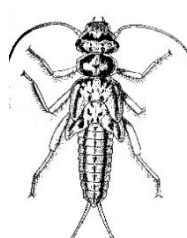
Capniidae:
slender winter
stonefly



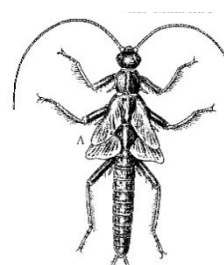
Nemouridae:
broadback
stonefly



Perlidae:
Common stonefly



Perlodidae:
Patterned stonefly



Taeniopterygidae:
broadback winter
stonefly

"X" indicates this family was found in the 2021 Stonefly Search.

Abundance rating was subjectively assigned by the volunteers at the site (none, rare, some, abundant)

Sites highlighted in gray were not sampled this year.

SITE LOCATION	SITE #	2021 SAMPLES							ALL YEARS						
		Capniidae	Nemouridae	Perlidae	Perlodidae	Taeniopterygidae	Abundance Rating	Total # Families	First sampled	Last sampled	# Times sampled	Avg. Family All the others	Avg. Family Last 3 samples	Min Family Count	Max Family Count
Arms Creek: Walsh Road	1	Capniids and Taeniops used to be found here consistently. No Taeniops have been found the last 4 years of sampling; neither family was found 2 of last 4 sampling years. 2021-Not sampled							1996	2020	16	1.4	0.7	0	3
Bancroft-Noles Drain: Lebo Park	89	Stoneflies have not been found here in January samples; the insect community is poor the rest of the year as well. 2021-Not sampled							2009	2017	3	0.0	0.0	0	0
Boyden Creek: Delhi Rd	2	Capniids were found here consistently; other families are occasionally found. No families found 3 of last 5 sampling years. None 0							1995	2021	18	1.1	0.3	0	2
Chilson Creek: Brighton Road	45	Stoneflies have only been found here twice (2007, 2011). 2021-Not sampled							1998	2017	13	0.2	0.0	0	1
Chilson Creek: Chilson Road	5	Perlodids and Taeniops are found here consistently. capniids were found here once (2013). 2021-Not sampled							1997	2020	19	1.7	1.3	1	3
Davis Creek: Doane Road	6	No stoneflies were found in 2017; prior to that year, Taeniop were always found here, and capniids and Perlodids are found in about 50% of the samples. All three families were found again in 2020 samples. 2021-Not sampled							1996	2020	18	1.9	1.7	0	3
Davis Creek: Pontiac Trail	7	Stoneflies are almost always found here. Only twice have stoneflies not been found (2004 and 2012). 2021-Not sampled							1996	2020	18	1.1	1.3	0	3
Davis Creek: Silver Lake Rd	49	Taeniops are always found here; Perlids are found here in about 70% of samples. This site and Mann Creek are the sites that have Perlids in January. 2021-Not sampled							1998	2020	15	1.7	1.7	1	2

SITE LOCATION	SITE #	2021 SAMPLES							ALL YEARS						
		Capniidae	Nemouridae	Perlidae	Perlodidae	Taeniopterygidae	Abundance Rating	Total # Families	First sampled	Last sampled	# Times sampled	Avg. Family All the others	Avg. Family Last 3 samples	Min Family Count	Max Family Count
Fleming Creek: Botanical Gardens	9	Like all of the Fleming Creek sites, capniids are consistently found here; this is also the only site of the 5 on Fleming Creek at which Taeniops are found. x Abundant 2							1995	2021	18	1.5	1.3	1	2
Fleming Creek: Galpin Rd	84	Like all of the Fleming Creek sites, capniids are consistently found here. Perlodids found once (2013); Taeniops found the last two sampling years. 2021-Not sampled							2005	2020	11	1.3	1.7	1	2
Fleming Creek: Geddes Road	11	Like all of the Fleming Creek sites, capniids are consistently found here. Perlodids have been found twice (2011, 2012). 2021-Not sampled							1995	2020	18	1.1	1.0	1	2
Fleming Creek: Warren Road	13	Like all of the Fleming Creek sites, capniids are consistently found here. 2021-Not sampled							1996	2020	19	1.0	1.0	1	1
Greenoak Creek: Rushton Road	8	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well. 2021-Not sampled							1998	2020	13	0.0	0.0	0	0
Hay Creek: M-36	15	Capniids and Taeniops are found here consistently, Perlodids have been found here in recent years. 2020 was the first year that no stoneflies were found, but capniids were found again in 2021. x Some 1							1998	2021	16	1.8	0.7	0	3
Honey Creek: Darwin Rd	16	Capniids and Taeniops are found here consistently. 2021-Not sampled							1998	2020	18	1.9	2.3	1	3
Honey Creek: Jackson Road	18	Capniids were historically found here about in about 50% of the samples, but they hadn't been seen in recent years (since 2008). In 2017 only one capniid was found, but they have been found consistently since then. x Rare 1							2000	2021	18	0.6	1.0	0	1
Honey Creek: Wagner Road	20	Historically, capniids were found here consistently and Taeniops were often found. Stoneflies have only been found in 3 of the last 7 sampling years (2018, 2020, and 2021), and their abundance was rated as rare. x Rare 2							1995	2021	21	1.1	1.0	0	2
Horseshoe Creek: Barker Road	98	This site has been sampled three times; no stoneflies found. 2021-Not sampled							2012	2019	3	0.0	0.0	0	0
Horseshoe Creek: Brookside Drive	99	This site has been sampled four times; no stoneflies were found. 2021-Not sampled							2013	2020	4	0.0	0.0	0	0
Horseshoe Creek: Merrill Road	21	Taeniops are found here consistently; capniids are found about 50% of the time. x Rare 1							1996	2021	19	1.4	1.3	1	2
Hummocky Lick: M-36	63	No stoneflies had been found in the last four sampling years, but capniids were found again in 2021 (but were rare). x Rare 1							2001	2021	15	0.4	0.3	0	2
Huron Creek: Dexter-Pinckney	22	Capniids and Taeniops have both been found here in every sample since sampling began in 1995. Perlodids found two years (2012, 2020). 2021-Not sampled							1995	2020	14	2.1	2.3	2	3

SITE LOCATION	SITE #	2021 SAMPLES						ALL YEARS							
		Capniidae	Nemouridae	Perlidae	Perlodidae	Taeniopterygidae	Abundance Rating	Total # Families	First sampled	Last sampled	# Times sampled	Avg. Family All the others	Avg. Family Last 3 samples	Min Family Count	Max Family Count
Huron River: Bell Road	62	Taeniops were always found here; capniids found occasionally. No stoneflies were found in 2017 or 2018; Taeniops were rare in 2019. Capniids and Taeniops were found in 2021 but were still rare.													
		x				x	Rare	2	2001	2021	14	1.2	1.0	0	2
Huron River: Commerce Road	47	Perlodids were always found here; although they are rare and difficult to find. No stoneflies found in 2019 or 2020.													
		2021-Not sampled													
Huron River: Cross Street	24	Since 2002, capniids and Taeniops are found here sporadically. Prior to 2002, no winter stoneflies were found. Both capniids and Taeniops were found in 2021.													
		x				x	Rare	2	1997	2021	16	0.9	1.0	0	2
Huron River: Flat Rock	23	Capniids and Taeniops were found here consistently prior to 2015. Since then only Taeniops had been found, but both capniids and Taeniops were found again in 2021.													
		x				x	Frequent	2	2001	2021	14	1.6	1.3	1	3
Huron River: Huron Meadows	103	2021 was the first year that this site was sampled. This site is replacing site 51, the Huron River at US-23, where the water was often too deep for sampling.													
						x	Some	1	2021	2021	1	1	1	1	1
Huron River: Island Park	61	Taeniops are always found here; Perlodids have been found in 3 samples (2008, 2011, 2013). Capniids are found regularly.													
		x				x	Some	2	2001	2021	15	2.1	2.0	1	3
Huron River: Proud Lake Rec	64	Stoneflies have only been found here once - in 2003.													
							None	0	2001	2021	12	0.1	0.0	0	1
Huron River: US-23 (Liv. Co)	51	Taeniops are often found here.													
		2021-Not sampled													
Huron River: White Lake Road	25	This is the best site that HRWC monitors during the spring and fall, but winter stonefly abundances are only modest. Perlodids and Taeniops are found here consistently, however 2021 was only the second year in 17 years of sampling in which no stoneflies were found.													
							None	0	1995	2021	17	1.6	1.3	0	2
Huron River: Zeeb Road	26	Capniids and Taeniops are found here consistently. Perlodids were found in 2012 and 2016, and again in 2021.													
		x		x		x	Abundant	3	2000	2021	17	1.8	2.0	1	3
Malletts Creek: Chalmers Rd	27	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well.													
		2021-Not sampled													
Mann: VanAmberg Road	30	This is the best stonefly site that we monitor. Four families were consistently found here prior to 2019; only 2 families were found in 2019 and 2020. Four families were found again in 2021.													
		x		x	x	x	Frequent	4	1996	2021	18	2.8	2.7	1	4
Mill Creek: Fletcher Road	31	Capniids and Taeniops were found here consistently prior to 2017; however no stoneflies have been found the last three sampling years (2017, 2020, 2021).													
							None	0	1996	2021	16	1.3	0.3	0	3

SITE LOCATION	SITE #	2021 SAMPLES							ALL YEARS						
		Capniidae	Nemouridae	Perlidae	Perlodidae	Taeniopterygidae	Abundance Rating	Total # Families	First sampled	Last sampled	# Times sampled	Avg. Family All the others	Avg. Family Last 3 samples	Min Family Count	Max Family Count
Mill Creek: Ivey Road	32	Stoneflies were found here consistently; however, no stoneflies were found in 3 of the last 6 sampling years (including 2021). None 0							1995	2021	17	1.2	1.0	0	2
Mill Creek: Jackson Road	33	Capniids are always found here; Taeniops are often found here. x x Frequent 2							1997	2021	16	1.8	2.0	1	2
Mill Creek: Klinger Road	57	Capniids and Taeniops are found here often. x x Some 2							2001	2021	12	1.3	1.6	0	2
Mill Creek: Letts at M-52	34	Capniids and Taeniops are found here consistently. x x Rare 2							1995	2021	20	1.5	1.3	0	2
Mill Creek: Manchester Road	55	Taeniops are almost always found here. capniids are often found. This was the first time that perlodids were found here. 2021-Not sampled							2000	2020	15	1.0	1.3	0	3
Mill Creek: Parker Road	96	This site has been sampled twice; no stoneflies were found. 2021-Not sampled							2012	2016	2	0.0	0.0	0	0
Mill Creek: Shield Road	80	Capniids and Taeniops are always found here. x x Frequent 2							2003	2021	16	1.9	2.0	1	2
Mill Creek: Mill Creek Park	79	Capniids and Taeniops are always found here. x x Some 2							2003	2021	17	1.9	1.7	1	2
Millers Creek: Glazier Way	35	Stoneflies have only been found here once- in 2002. 2021-Not sampled							1997	2020	16	0.1	0.0	0	1
Norton Creek: Gibson Park	97	This site has been sampled twice; no stoneflies were found either time. 2021-Not sampled							2013	2017	2	0.0	0.0	0	0
Norton Creek: West Maple Road	65	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well. None 0							2001	2021	13	0.0	0.0	0	0
Pettibone Creek: Commerce Road	67	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well. 2021-Not sampled							2002	2016	9	0.0	0.0	0	0
Pettibone Creek: Livingston Road	68	In 2012, we found a Nemourid, and it was the first time stoneflies had been found at this site. Nemourids are rare in the Huron. The two places Nemourids have been found in the past were both streams with plenty of groundwater input. None 0							2002	2021	10	0.1	0.0	0	1
Port Creek: Armstrong Road	60	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well. 2021-Not sampled							2000	2015	9	0.0	0.0	0	0

SITE LOCATION	SITE #	2021 SAMPLES							ALL YEARS						
		Capniidae	Nemouridae	Perlidae	Perlodidae	Taeniopterygidae	Abundance Rating	Total # Families	First sampled	Last sampled	# Times sampled	Avg. Family All the others	Avg. Family Last 3 samples	Min Family Count	Max Family Count
Portage Creek: Dexter-Townhall Rd	37	Taeniops are found here consistently; capniids frequently; Perlodids and Perlids are found here occasionally. Capniids, Taeniops and Perlids were found in 2021. x x x Some 3							1998	2021	20	2.0	2.0	1	3
Portage Creek: Rockwell Road	94	This site has been sampled twice; no stoneflies found. 2021-Not sampled							2013	2016	2	0.0	0.0	0	0
Portage Creek: Stockbridge	91	No stoneflies have been found at this site in four years of sampling. None 0							2013	2021	4	0.0	0.0	0	0
Portage Creek: Unadilla	58	Stoneflies have only been found here once- in 2000. 2021-Not sampled							2000	2020	12	0.1	0.0	0	1
Portage Creek: Williamsville	92	No stoneflies have been found at this site in five years of sampling. None 0							2011	2021	5	0.0	0.0	0	0
South Ore Creek: Bauer Road	52	Taeniops are found here regularly, but no stoneflies have been seen the last three sampling years (2016, 2017, 2020). 2021-Not sampled							1999	2020	14	0.6	0.0	0	2
South Ore Creek: Hamburg Road	40	Taeniops are always found here; capniids are found occasionally. Both families were found in 2021. x x Frequent 2							1995	2021	21	1.4	1.7	1	2
South Ore Creek: Lake Ridge	50	Stoneflies have never been found in January samples; the insect community is only mediocre during the rest of the year. 2021-Not sampled							2000	2019	11	0.0	0.0	0	0
Swift Run: Shetland Rd	41	Stoneflies have only been found here once- in 1998. 2021-Not sampled							1995	2017	15	0.1	0.0	0	2
Traver Creek: Broadway	42	Capniids are found here regularly. x Rare 1							1995	2021	16	0.7	1.0	0	1
Walker Creek: 8 Mile Road	82	Stoneflies have never been found here in January samples. 2021-Not sampled							2004	2020	9	0.0	0.0	0	0
Woodruff Creek: Buno Road	46	Stoneflies are only found here in about 1 of every 2 samples. None were found in 2021. None 0							1995	2021	16	0.5	0.7	0	2
Woods Creek: L Huron Metropark	14	Capniids, Perlodids, and Taeniops are typically found here. Both Taeniops and capniids were found in 4 of the last 5 sampling years; only capniids were found in 2021. x Rare 1							1997	2021	20	1.6	1.7	0	3

SITE LOCATION	SITE #	2021 SAMPLES							ALL YEARS						
		Capniidae	Nemouridae	Perlidae	Perlodidae	Taeniopterygidae	Abundance Rating	Total # Families	First sampled	Last sampled	# Times sampled	Avg. Family All the others	Avg. Family Last 3 samples	Min Family Count	Max Family Count
Boyden Creek: Golf Course	3	Capniids are always found here; Perlodids and Taeniops are found occasionally. 2021-Not sampled							1996	2020	16	1.4	1.0	1	3
Boyden Creek: Huron River Drive	4	Stoneflies have never been found here, although the bug community is pretty good the rest of the year. None 0							1995	2021	14	0.0	0.0	0	0
Davis Creek: 11 Mile Road	81	Stoneflies have never been found here in January samples. 2021-Not sampled							2004	2013	7	0.0	0.0	0	0
Fleming Creek: Radrick Farms	12	Like all of the Fleming Creek sites, capniids are consistently found here. 2021-Not sampled							1997	2011	9	1.1	1.3	1	2
Honey Creek: Pratt Road	19	Stoneflies haven't been found since 2003; prior to this capniids were found consistently. 2021-Not sampled							1995	2019	13	0.5	0.0	0	2
Livermore Creek: Doyle Road	93	This site was sampled for the first time in 2012; no stoneflies were found. 2021-Not sampled							2012	2012	1	0.0	0.0	0	0
Malletts Creek: I-94	28	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well. 2021-Not sampled							1995	2010	11	0.0	0.0	0	0
Malletts Creek: Main Street	56	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well. 2021-Not sampled							2000	2011	9	0.0	0.0	0	0
Malletts Creek: Scheffler Park	29	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well. 2021-Not sampled							1997	2018	10	0.0	0.0	0	0
Millers Creek: Plymouth Road	72	Stoneflies have never been found here in January samples; the insect community is poor the rest of the year as well. 2021-Not sampled							2003	2015	10	0.0	0.0	0	0
Narrow Gauge Creek: Green Rd	75	Capniids and Nemourids are often found here. Nemourids are rare and only found at one other site during the Stonefly Search. This site is unusual; it is a tiny trickle of water seeping out of the ground. 2021-Not sampled							2003	2018	9	1.0	0.7	0	2
Swift Run: Sylvan Park	102	This site was sampled for the first time; no stoneflies found. 2021-Not sampled							2017	2017	1	0.0	0.0	0	0
Traver Creek: Dhu Varren Rd	43	Capniids are found here quite consistently. 2021-Not sampled							1997	2020	15	0.9	1.0	0	2

These sites are sampled on occasion, sometimes for a specific project, but are not used to determine overall watershed health.

SITE LOCATION	SITE #	2021 SAMPLES						ALL YEARS						
		Capniidae	Nemouridae	Perlidae	Perlodidae	Taeniopterygidae	Abundance Rating	Total # Families	First sampled	Last sampled	# Times sampled	Avg. Family All the others	Avg. Family Last 3 samples	Min Family Count
Traver Creek: Traver Road	101	This site has been sampled four times; capniids were found three times, but in low abundance. 2021-Not sampled						2013	2020	4	0.8	0.7	0	1
Willow Run: Van Buren Park	90	2011 was the first time this site was sampled, no stoneflies were found 2021-Not sampled						2011	2011	1	0.0	0.0	0	0
Woodruff Creek: Maxfield Road	44	Stoneflies have been found here only twice since 1997. 2021-Not sampled						1997	2013	12	0.2	0.0	0	1
Woods Creek: Martinsville Road	87	Stoneflies have never been found here in January samples. 2021-Not sampled						2009	2013	3	0.0	0.0	0	0
Woods Creek: Renton Road	88	Stoneflies were only found here one year (2012). 2021-Not sampled						2009	2015	5	0.2	0.3	0	1