

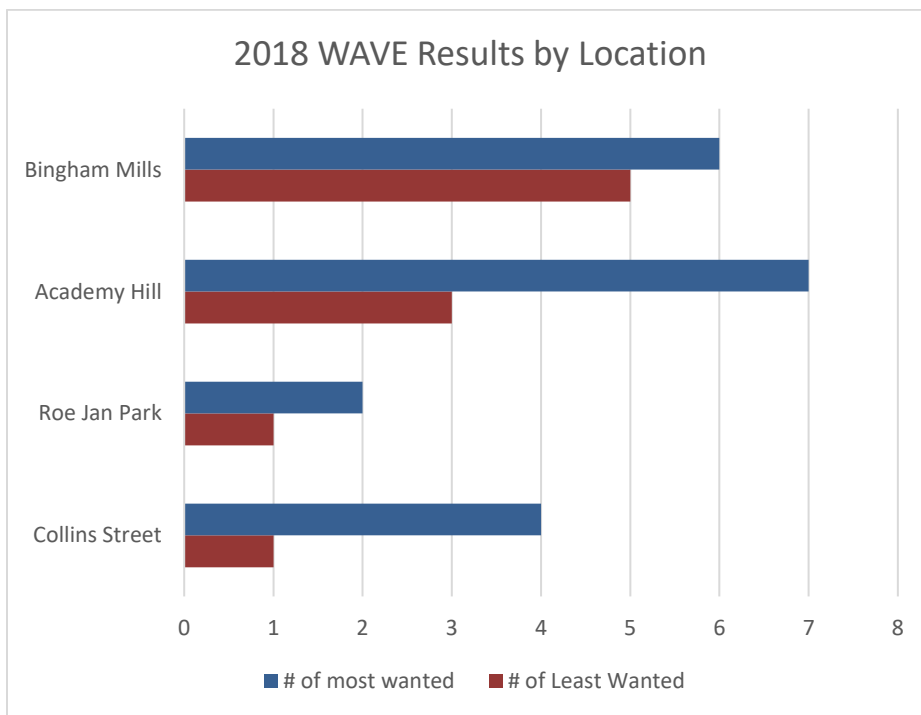
**2018 WAVE Sample Data Summary Chart-Roe Jan Kill**  
**Water Assessments by Volunteer Evaluators**

<b>Macroinvertebrate Species</b>	<b>Collins Street</b>	<b>Roe Jan Park</b>	<b>Academy Hill</b>	<b>Bingham Mill</b>	<b>*Notes</b>
<b>Crustaceans</b>			<b>X</b>	<b>X</b>	
Amphipoda					
Asellidae			<b>X</b>		
<b>Coleoptera</b>			<b>X</b>	<b>X</b>	
Psephenidae					
<b>Diptera</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	
Athericidae					
Chironomidae	<b>X</b>	<b>X*</b>			<b>*Red Chironomus dominant in sample. Considered Least Wanted</b>
<b>Ephemeroptera</b>	<b>X</b>		<b>X</b>	<b>X</b>	
Heptageniidae					
Isonychiidae					
Ephemeridae					
Ephemerellidae			<b>X</b>		
Baetiscidae					
<b>Hemiptera (True Bugs)</b>					
<b>Megaloptera</b>	<b>X</b>			<b>X</b>	
Corydalidae			<b>X</b>	<b>X</b>	
Sialidae	<b>X</b>				
<b>Mollusca</b>				<b>X</b>	
Pelecypoda					
Physidae				<b>X</b>	
<b>Odonata</b>			<b>X</b>		
Gomphidae					
Coenagrionidae					

<b>Plecoptera</b> Perlidae	X		X	X	
<b>Macroinvertebrate Species</b>	<b>Collins Street</b>	<b>Roe Jan Park</b>	<b>Academy Hill</b>	<b>Bingham Mill</b>	<b>*Notes</b>
<b>Trichoptera</b> Philopotamidae			X	X	
<b>Wormlike</b> Turbellaria			X	X	
Hirudinea				X	

**Note:** Wave samples have additional species identified in them. These species are not indicative of water quality and are not labeled in this chart or in the WAVE Field data sheet. Please see the original sample results for the complete list of species for at each site.

**Note:** Rows labeled in **RED** are LEAST WANTED species.



**Assessment Data**

Sample Contents	Water Quality Assessment	Assessment Description
More than 6 "MOST wanted" organisms	No Known Impact	Highest quality category assigned to stream segments in the NYS Waterbody Inventory. This Assessment is high quality and may be used for state and federal reporting purposes.
More than 4 "LEAST wanted" organisms	Possibly Impaired	This assessment serves as a red flag for sites that may deserve further investigation at the professional level. This assessment alone is not conclusive. In fact 52% of the streams in NYS DEC database with 4 or more LEAST wanted organisms are actually healthy.
Other	No Conclusion	If a sample did not meet the above criteria, then no conclusion can be made.

For additional information, please see the following website:

<http://www.dec.ny.gov/chemical/92229.html>

## **Plans for 2019**

We would like to expand our sampling of macroinvertebrates to include more of the downstream locations. To do so, we will need more volunteers and more sampling nets. Currently, we have the use of two kick sampling nets owned by the NYS DEC Stream biomonitoring unit. If you are interested in becoming a WAVE Sampler, please feel free to contact Colleen Lutz at [colleen.lutz.77@gmail.com](mailto:colleen.lutz.77@gmail.com).

We are working to create an identification guide for the most common macroinvertebrates found in the Roe Jan. This guide will be laminated so that it is waterproof and easy to bring along to sample sites.

WAVE sampling will begin in June and continue until October. Prior to the commencement of sampling, a brief training will be held for interested samplers to make sure everyone feels comfortable with the sampling technique. We will share the date of the training to the Roe Jan email list, check your inbox as we get closer to June.

