

## Stormwater Coalition of Albany County

## 2018 WAVE Volunteer Stream Monitoring

**Normanskill: Vly Creek Thursday, August 16, 2018, 5:00 pm to 7:00pm (42.64905, -73.956405)**

**Location:** Vly Creek at Voorheesville Elementary School, Village of Voorheesville

**Local WAVE Coordinator:** Nancy Heinzen

**Participants:** Benita Law-Diao; Tadioi Maximo Boan Gordan; Christian Johnson; Carol Lamb-Lafay; Tim Ruhren; Peter Ruhren; Brendon Mahoney



## Heinzen, Nancy

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**From:** alene.onion@gmail.com  
**Sent:** Monday, January 7, 2019 10:01 AM  
**To:** Heinzen, Nancy  
**Subject:** Your WAVE sample results

Nancy Heinzen,

I processed your WAVE sample today. Thank you for your contribution!  
NA

Before I give you your sample results, I want to take a moment to talk about sampling effort. WAVErs in general are very meticulous about following the WAVE instructions and collecting the WAVE samples. This very likely includes you and I thank you for that. Some folks are disappointed, however, when the sample assessment is No Conclusion and the Izaak Walton League Score is only FAIR. PLEASE know that this is not necessarily a reflection of your skill or effort. It is an assessment of the stream's water quality and it means you likely found a stream with water quality conditions that are in the middle of the pack.

Don't hesitate to contact me if you have any questions about your sample.  
Thank you!

Alene Onion  
WAVE Coordinator, NYSDEC  
625 Broadway, Albany, NY  
email: alene.onion@dec.ny.us

Your WAVE results are as follows:

**Stream:** Vly Creek

**Images:** NA

**Location:** Elementary School Voorheesville, next to parking lot and covered walkway

**Coordinates:** 42.64905,-73.956405

**Collection Date:** Thu Aug 16 2018 00:00:00 GMT-0400 (EDT)

**Participants:** Nancy Heinzen, Benita Law-Diao, Tadie Maxine, Bean Gardin, Christina Johnson, Carol Lamb-Lafay, Tim Rubrin, Peter Rubrin, Brenden McHenry

**Macroinvertebrate Sample:**

Macroinvertebrates you identified on your datasheet: (Coleoptera) Various-lg floating & small black,(Coleoptera)

Psephenidae,(Diptera) Crane

Fly,(Diptera) Chironomus,(Ephemeroptera) Heptageniidae,(Trichoptera),Worm like,,,,,,,,, Macroinvertebrates I identified

in your sample: (Coleoptera)

Psephenidae,(Diptera) Chironomidae,(Ephemeroptera) Baetidae,(Ephemeroptera)

Heptageniidae,(Wormlike) Hirudinea,(Diptera)

Tipulidae,(Coleoptera),(Coleoptera) Elmidae,(Trichoptera)

Hydropsychidae,(Trichoptera) Philopotamidae,(Diptera) Athericidae

**Assessment Results:**

**WAVE Assessment Result:** No Conclusion



The NYS DEC will only consider the WAVE assessment and the visual data (including the User Perception Data and Habitat Assessment Data given below) to guide reporting and professional sampling. That being said, less robust analyses could be valuable for local purposes. With that in mind, I have also calculated the Izaak Walton League Assessment for your sample data for local purposes only:  
Fair

User Perception Data:

Primary Contact: c

Secondary Contact: b

Current Weather: sun

Weather past 24h: sun

Water Clarity: 2

Phytoplankton: 0

Periphyton: 2

Macrophytes: 1

Odor: 0

Trash: 0

Discharge Pipes: 5

Primary Deterrents:

Other: Discharge pipes, next to parking lot, rocks, noise and traffic

Habitat Assessment Data:

Epifaunal substrate / available cover: b

Embeddedness: a

Velocity/Depth combinations: b

Sediment Deposition: a

Channel Flow Status: a

Channel Alteration: c

Frequency of Riffles: b

Bank Stability (Left): b, (Right): b

Bank Vegetation Protection (Left): c, (Right): c Riparian Vegetation Zone Width (Left): c, (Right): b