



# Hudson - Mohawk Professional Geologists Association M A Y M E E T I N G

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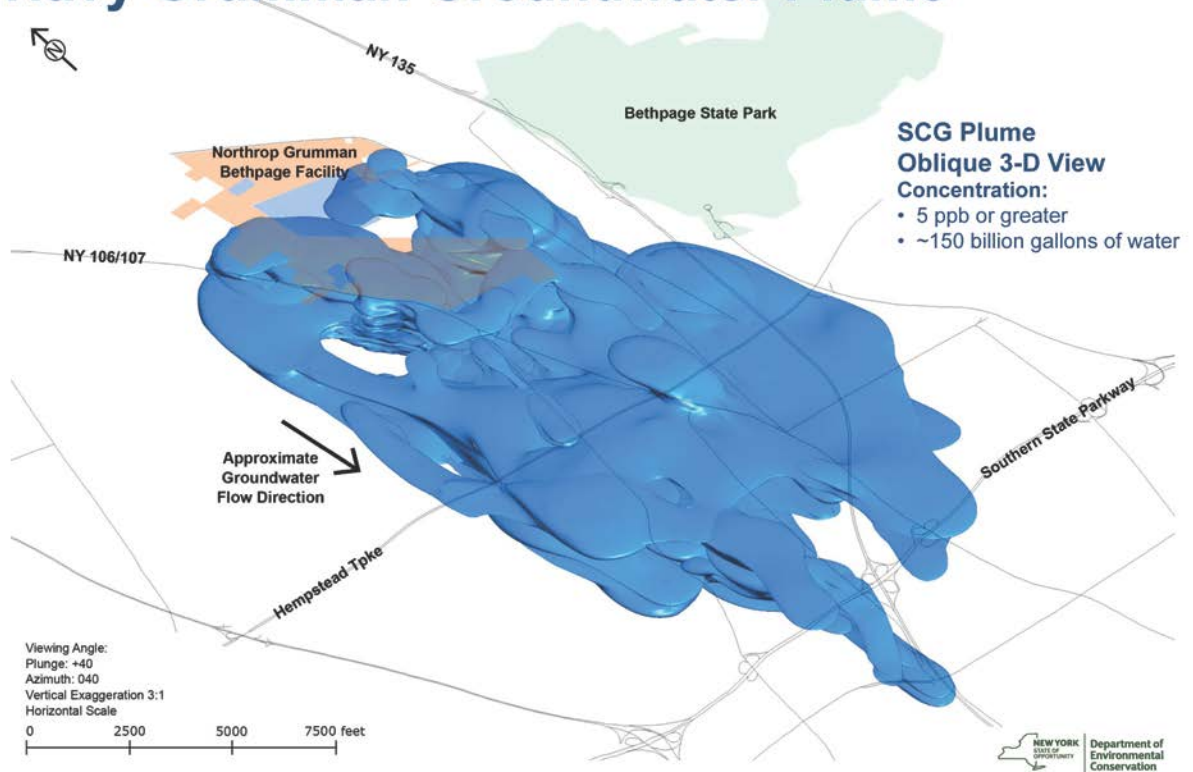
With the American Institute of Professional  
Geologists - Northeast Section



## May 18, 2022

### A New Look at an Old Plume – The Evolution of Remediating One of the Nation’s Largest Groundwater Plumes

### Navy Grumman Groundwater Plume



Jason Pelton, P.G. Section Chief, Remedial Bureau D, Section B, NYSDEC  
Dan St. Germain, P.G. Senior Hydrogeologist, HDR

This course has been approved for 1 PDH+

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# M A Y M E E T I N G

Reservations are required by Monday

**May 16, 2022**

Whether attending the dinner or only the in-person presentation

Register on-line at [www.hmpga.net](http://www.hmpga.net)

Call or email Marie Cole at (518) 724-7254 • [marie.cole@ramboll.com](mailto:marie.cole@ramboll.com)

Cost: \$10.00 for student members\*

\$25.00 for dormant geologists

\$30.00 for members

\$35.00 for non-members

In-person program only: Free

**+PDH certificate available for: \$5.00 (member w/ dinner) •**

**\$10.00 (member for program only) • \$20 (non-member)**

\* Student dinner sponsorship available for qualifying students - contact Jesse Vollick • [jesse.vollick@ramboll.com](mailto:jesse.vollick@ramboll.com)

## MEETING AGENDA

**1:00 – 3:00pm** Field trip to Saratoga Spa State Park lead by NE-AIPG

<b>Location:</b>	Century House 997 New Loudon Road Latham, NY 12110	<b>Time:</b>	Social Hour Dinner Program	5:00pm 6:00pm 7:00pm
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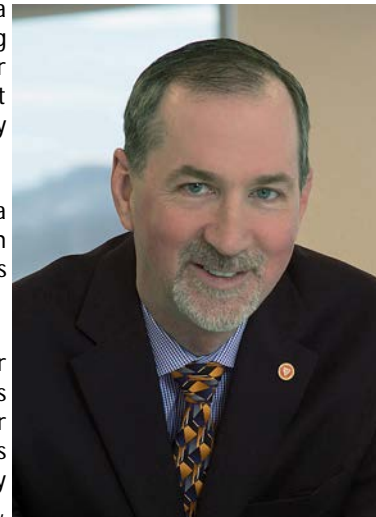
**Jason Pelton, P.G.** is an Engineering Geologist II and has been the Division of Environmental Remediation (DER) project manager for the investigation and remediation activities occurring at the Naval Weapons Industrial Reserve Plant (NWIRP) site and the Northrop Grumman Bethpage Facility site since 2016.

Before his involvement with the NWIRP and Northrop Grumman sites, Jason spent over three years in the Division of Materials Management (DMM) in the Pesticide Product Registration Section where he was responsible for the implementation of the statewide water quality monitoring program in cooperation with Suffolk County Department of Health Services and Cornell University. With DMM, Jason was also responsible for developing and implementing a Pesticide Pollution Prevention Strategy for Long Island and for pesticide environmental fate reviews and groundwater modeling for new pesticide active ingredient applications.

Prior to his role with DMM, Jason was a DER project manager for over ten years where he was responsible for the investigation and remediation of 20 hazardous waste sites under the NYS Superfund Program and the NYS Resource Conservation and Recovery Act (RCRA) program. This involved several high-profile projects including a mile-long solvent plume beneath a residential area at the Modock Road Springs Site, a solvent plume impacting two nearby public water supplies at the Scotia Naval Depot, and the cleanup and redevelopment at the Former GM Assembly Plant Site in Sleepy Hollow. Prior to joining the Department, he was a groundwater management planner for Schenectady County where he assisted with the management of a Sole Source Aquifer utilized by five communities as a public drinking water source and a hydrogeologist with a private engineering firm.

Jason received a Master of Science degree in Hydrogeology from Rensselaer Polytechnic Institute in 1998, a Bachelor of Science degree in Water Resources from the State University of New York at Oneonta in 1995 and an Associates in Applied Science in Ecology and Environmental Technology from Paul Smith's College in 1992. He is a Licensed Professional Geologist in the State of New York.

**Dan St. Germain, P.G.** is a senior hydrogeologist at HDR in Mahwah, New Jersey, and is the Groundwater Practice Group leader at HDR. He has over 35 years of experience in contaminant hydrogeology, where he has remediated groundwater in unconsolidated and bedrock aquifers. He also specializes in solving groundwater resource challenges, having led numerous highly acclaimed groundwater development and management projects throughout the world. Dan received a Bachelor of Science degree in Marine Geology from Long Island University - Southampton in 1984. He is a Licensed Professional Geologist in the State of New York, New Hampshire, Maine, and Nebraska.



**Sponsorships are available for this meeting!** Please contact Jesse Vollick at [jesse.vollick@ramboll.com](mailto:jesse.vollick@ramboll.com) for more information.

## *President's Message*

Dear HMPGA Members,

In this last President's Message before the summer recess, and my last as President of the Association, I want to take this opportunity to thank each HMPGA executive officer and member of the Board of Directors. Thank you for your time and effort to maintain and enhance the Association. Your contributions, along with the contributions from all of the previous officers and board members, have kept HMPGA going strong for over 28 years. And of course there wouldn't be an Association if it weren't for its many members, so my thanks to each of you for being part of HMPGA. It is my hope that you will continue to support HMPGA in the coming years as a member, and I encourage any effort you can make to give back to the Association and the broader geological community now and into the future.

As a reminder, the May 18<sup>th</sup> meeting represents the last meeting for the spring term before the summer hiatus. And in case you missed the notice, I'm excited to share that HMPGA's summer outing on June 15<sup>th</sup> will be a field trip to several sites in Saratoga County lead by Dr. Ed Landing, New York State Paleontologist, emeritus. Following the field trip, we'll rendezvous at Common Roots Brewing Company at its newly constructed facility after a fire devastated the brewery in 2019. I look forward to seeing you at both of these upcoming events!

Stay healthy,

Jesse Vollick, P.G.

President 2021-2022

## Volunteer Opportunities

Upcoming Howe's Cave tours in May!

If you need volunteers for an event or would like to get involved in an event please contact Elizabeth Moore at:  
[mooreelizabeth.07@gmail.com](mailto:mooreelizabeth.07@gmail.com)

## EVENTS

Please see the next page for details about our summer event coming up on June 15<sup>th</sup>!



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- ❖ Statistical Analysis



Hudson - Mohawk Professional Geologists Association

# SUMMER OUTING

WEDNESDAY, JUNE 15

Join us for a trip to Lester Park which, with a recent reinterpretation [Lie & Riding, 2020] on how sponges contributed to stromatolite growth, has changed the understanding of how stromatolites have formed globally for the last 500+ million years. We will then continue on to Stark's Knob near Schuylerville, where volcanic rocks and a volcanic island were first recognized as plate tectonic developments on a subducting plate by Landing et al. (2004). In both cases, the sites show how preservation/conservation of unique localities contributes to an understanding of Earth history. After 150 years, their use in natural history education, community-museum collaboration, and provocative new research continues.

Trip led by Dr. Ed Landing, New York State Paleontologist, emeritus, author of over 300 scholarly papers and 11 books. His work has focused on the evolutionary origin of animals, their precise U-Pb dating, and ancient paleogeography. He is a co-author of the global Precambrian—Cambrian boundary reference section. In the early 2000s, he restored Lester Park and Stark's Knob by clearing the sites and adding educational signs.

After, participants are invited to gather at Common Roots Brewing Company to socialize. Food will be available for purchase, and there will be a cash bar.

## Lester Park & Stark's Knob

- 🕒 2:30pm 📍 Lester Park Rd  
Greenfield Center, NY
- 🕒 4:00pm 📍 Starks Knob Rd  
Schuylerville, NY



## Common Roots Brewing Company

- 🕒 5:30pm 📍 58 Saratoga Ave | South Glens Falls, NY



The event is **FREE** to attend for HMPGA members, their families, and guests.  
Please register online by June 8 at [www.hmpga.net](http://www.hmpga.net).

# Black Lights Turn This North Carolina Mine Into a Psychedelic Wonderland

The Bon Ami Mine's deposits of the mineral hyalite glow fluorescent green under ultraviolet light

[smithsonianmag.com](http://smithsonianmag.com)

...the Bon Ami Mine in Little Switzerland, North Carolina, [is] located about 50 miles northeast of Asheville. Decades ago, the mine was fully operational and prized for its abundance of gems and minerals like feldspar, mica and quartz, but today it's part of [Emerald Village](#), a popular mining attraction for rock hounds and anyone who's interested in learning more about the Blue Ridge Mountains' mining history.

[Emerald Village](#) is open from April through October. Check out this [schedule](#) for black light mine tours in 2022.

<https://www.smithsonianmag.com/travel/black-lights-turn-this-north-carolina-mine-into-a-psychedelic-wonderland-180979899/>



Hyalite's intoxicating glow is due to the gemstone's trace amounts of uranium, a chemical element that glows when exposed to ultraviolet light. Emerald Village



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# **\*\*Support Your Local Geologist - Buy a Pleistocene Pilsner\*\***

NYSCPG's 2<sup>nd</sup> special edition beer batch is brewed by our friends from Lithology Brewing Company of Farmingdale, NY! The beer is available for purchase (\$18/4-pack), contact your local representative Mark Williams for details:

518-222-6616 or [m.williams@ctmale.com](mailto:m.williams@ctmale.com)

Purchases directly support the NYSCPG so please spread the word.  
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## HMPGA PROGRAM DIRECTORS

Being active in HMPGA is a fully volunteer activity that often demands a great deal of attention.  
The following members chair this year's committees and we thank them:

Webmaster	Scott Hulseapple	<a href="mailto:shulseapple@alphageoscience.com">shulseapple@alphageoscience.com</a>
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Programs	Jesse Vollick	<a href="mailto:Jesse.vollick@ramboll.com">Jesse.vollick@ramboll.com</a>
Membership	Vacant	

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# HMPGA CALENDAR

DATE	SPEAKER	TOPIC
June 15, 2022	Dr. Ed Landing	Summer Outing - See page 5 for details

**OTHER EVENTS:**

Watch our website (<http://www.hmpga.wildapricot.org/>), Facebook, and LinkedIn for announcements of future events!



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## M A Y ' S G E O - C R Y P T O Q U O T E

**CLUES: R = B; X = V; and E = M**

**(Note: Puzzle is a quotation related to geology. Each letter of the quotation is substituted by another letter.)**

ATW TCNAYZQ YB FSQ YSW IFZA YB ATW WFZAT, JCMW ATW  
JCBW YB F

NYJKCWZ, DYSNCFAN YB JYSU IWZCYKN YB RYZWKYE FSK NTYZA  
IWZCYKN YB

AWZZYZ. -KWZWM X. FUWZ

### A P R I L ' S G E O - C R Y P T O C I P H E R S O L U T I O N

CIVILIZATION EXISTS BY GEOLOGICAL CONSENT; SUBJECT TO CHANGE WITHOUT NOTICE. -WILL DURANT



Eastern New York (ENY) Chapter of the Air & Waste Management Association (MASS-A&WMA). They encompass the greater Capital District and Hudson Valley region of eastern New York State. A professional non-for-profit association of engineers and scientists working in the environmental field, with a particular focus on issues related to air and waste. [www.awmanenychapter.wildMAYicot.org](http://www.awmanenychapter.wildMAYicot.org)



The Geological Society of America (GSA) strives to be a leader in advancing the geosciences, while enhancing the professional growth of its members, and promoting the geosciences in the service of humankind. [www.geosociety.org](http://www.geosociety.org)



The New York State Museum is a major research and educational institution. It is dedicated to promoting inquiry and advancing knowledge in the fields of geology, biology, anthropology, and history, through the investigation of material evidence germane to New York State's past, present and future. [www.nysm.nysed.gov](http://www.nysm.nysed.gov)



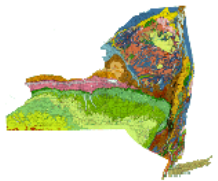
New York State Council of Professional Geologists (NYSCPG) strives to strengthen and advance the geologic sciences as a profession, promote the protection of public health and welfare and the environment through the professional practice of geologic sciences, and create high standards of ethical conduct among its members and within the profession of geology, as well as the legal standing of geologists and their ability to practice geology in New York State by promoting the licensing of geologists in New York State through statutory regulation. [www.nyscp.org](http://www.nyscp.org)

## *Environmental Breakfast Club*

The Capital District Environmental Breakfast Club is an informal group of environmental professionals that meets monthly to discuss current environmental issues. Each meeting features a speaker on a topic of interest, a regulatory update, and an open forum. Meetings are held on the first Friday of each month except July and August. The Environmental Breakfast Club meets at the Holiday Inn Turf on Wolf Road in Colonie, New York. Meetings start at 7:30 am. The cost is \$15 per person, which includes a full breakfast buffet. [www.youngsommer.com](http://www.youngsommer.com)



Buffalo Association of Professional Geologists (BAPG) conducts regular membership meetings on the third Wednesday of the month, January through June and September through November. Meetings feature distinguished speakers and interesting topics. Field trips and technical seminars sponsored by the BAPG encourage the exchange of scholarship and expertise. [www.bapg.org](http://www.bapg.org)



Central NY Association of Professional Geologists (CNYAPG) conducts regular meetings on the second Thursday of each month, unless otherwise posted, from September to May. Meetings feature dinner and distinguished speakers whose presentations invite comment and discussion. [www.cnyapg.org](http://www.cnyapg.org)



Long Island Association of Professional Geologists (LIAPG) is a not-for-profit professional organization dedicated to the professional and business needs of geologists located in the Long Island / Metro New York area. [www.lipg.org](http://www.lipg.org)



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