



Ohio Section American Institute of Professional Geologists

Chartered 1965

February 2022 Newsletter

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AIPG Ohio Section Winter Meeting

Grand Lake St Marys Watershed Conservation

**Presenter: Dr. Stephen Jacquemin, Professor of Biology,
Wright State University Lake Campus**

Date: Tuesday, February 15, 2022

Location: The Berry Room at the Nutter Center, 3640 Colonel
Glenn Highway, Dayton, Ohio

Schedule: Social hour begins at 5:00 pm followed by Dinner
at 6:00 and Presentation at 7:00

Event Registration Payment: <https://www.aipg-ohio.org/eventdetails.php>

See Page 17 for event details

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Message from the President

Robert E. Andrews, CPG-11975

Greetings fellow AIPG Ohio Section members. I am humbled and honored to once again serve as your President for 2022. Before I introduce the rest of this year's Executive Committee and discuss the exciting things planned for 2022, I would like to thank Tom Jenkins for serving as our President in 2021. He did an excellent job leading the section last year through this COVID pandemic and I thank him for his service.

For those who do not already know me, I currently work as the Wellfield Protection Coordinator for the City of Columbus, Division of Water where I protect the groundwater aquifer that provides potable water to a portion of the Greater Columbus Area. I earned a Bachelor of Arts degree from the College of Wooster and a Master of Science degree from the University of Kentucky. The rest of my bio can be found on the section's web page at www.aipg-ohio.org by selecting Officers under the AIPG Ohio Section pull down menu.

For 2022, the Members-At Large for the Section's Executive Committee will be Mike Friedhoff, Hugh Downer, and Bridgette Petras. Both Hugh and Bridgette are new to the Executive Committee. Dave Follett will be serving both as President-Elect for 2023 and Treasurer. Tim Brown will be serving as Secretary this year and Tom Jenkins will be serving as Past President. I look forward to working with these elected individuals as well as the following committee chairs in 2022: Nelson Novak (Newsletter Editor), Brent Huntsman (Section Historian), Tom Jenkins (Membership Chair), and Brent Smith and Carol Swinehart (Website Managers).

As I previously indicated, exciting events are planned for 2022. With hopefully most of the COVID pandemic behind us, the Section will attempt to host four regular dinner meetings this year. In addition, to having our April and Annual meetings in Columbus, the Section will host meetings in the northeast and southwest portions of the State. The Section's first dinner meeting will be held again at Wright State University in Dayton on February 15th. More details on this meeting can be found on page 17 of this newsletter.

Given the success over the last 3 years, the Section will once again host a charity golf scramble in the Columbus Area in June. Money raised from this scramble will again go towards our Student Chapters currently located at the Ohio State University, Wright State University, and Youngstown State University. More details on the exact date and location of this year's golf scramble will be forthcoming in the coming months.

Finally, plans are under way for National to host its 60th Annual Conference in the Cincinnati Area in 2023. Initial plans call for field trips in Indiana, Kentucky, and Ohio as well as technical sessions and workshops. While National is taking the lead in organizing this event, it is not going to be possible to pull off this type of 60th celebration without the support of volunteers. I myself have volunteered to serve as co-chair of the finance committee for the event. If you are interested in helping out, feel free to contact me at reandrews@earthlink.net or National.

As you can see, a lot is planned for 2022. Hopefully, life will continue to return to normal as we progress through hopefully the end of this COVID pandemic. Again, I am humbled and honored

serve as your President in 2022. If you have any questions or concerns about activities of the Ohio Section, please feel free to contact me.

Robert E. Andrews, CPG-11975
2022 AIPG Ohio Section President



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Farewell Address from the Past President Tom Jenkins, CPG-078922

It has been my pleasure to serve as your Section President for 2021. I'd like to extend my sincerest thanks to the 2021 Executive Committee for all of their help. Robert Andrews was a great help as president-elect. It was another Covid year, a bit better than 2020, but more troubles that we anticipated at the start of the year. However, we did the best with what we had, and managed to put together a great golf outing (thanks to Robert Andrews and Dave Follett), a fall meeting with the YSU student section in Streetsboro, and an Annual Meeting at the Fawcett Center. All the events went smoothly thanks to Robert's excellent planning and Dave's financial acumen. There were planned events that we had to scuttle, but maybe we can get to them in 2022. My hope is that 2022 will bring a return to normalcy where the Section can host all events in-person. Here is a short review of the talks you missed if you weren't paying attention;

Winter Virtual Meeting with Wright State University: Pre-Stack Inversion and AVO Attributes as Hydrocarbon Indicators in Carbonate Rocks: A Case Study from the Illinois Basin, Presenter: Mr. Jacob T. Murchek, MS Candidate. This was a fascinating talk and really top-notch delivery by a MS student.

Spring Virtual Meeting: Berea and Beyond: Ohio's geology from the Upper Devonian through the Pennsylvanian, Presenter: Mr. Sam Hulett, Ohio Division of Geological Survey. Planned as a precursor to a planned fall field trip, this talk was a good overview of the Ohio Upper Devonian through Pennsylvanian stratigraphy we all appreciate. A great talk by Sam Hulett and now I'm really excited to get that field trip through the Upper Devonian - Pennsylvanian section going!

Fall Meeting in Streetsboro, Oh: Monitoring Clandestine Burial Body Decomposition Using Geophysical Methods, Presenter: Dr. Jeffrey Dick and: A Statistical Review of Geophysical Well Log Data from the Lower Silurian Grimsby Sandstone, Mercer County, Pennsylvania and Possible Relationships to the 1998 Pymatuning Earthquake, Presenter: Dr. Tom Jordan. I missed these talks (wedding anniversary) but I hear they were awesome. FBI funded study using geophysical methods to find porcine cadavers. How gristly. And earthquakes! Missed a good one for sure.

Annual Meeting at OSU Fawcett Center: History of Structure Contour Mapping in the Appalachian Basin: 1870-1917, Presenter: Mr. James McDonald of the Ohio Geological Survey. A great (and Award winning!) talk on the early history of oil exploration in Ohio. Exploration methods developed in Ohio were instrumental to the development of oil reserves across the US. Who knew! Great talk.

All in all, it was a good year for AIPG Ohio Section and I'm glad to have had the opportunity to help out. I plan on staying active in the section, but after my third term, I'm probably done being president.

Tom Jenkins, CPG 7892
2021 AIPG Ohio Section Past President

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Ohio Section 2021 Annual Meeting Recap

Feature Presentation: History of Structure Contour Mapping in the Appalachian Basin: 1870-1917
Presented By: Mr. James McDonald

Contributed by Dave Follett, CPG-12034

The Ohio Section held its 2021 Annual Meeting at The Fawcett on the Ohio State Campus in Columbus, Ohio on Thursday 18, 2021. The event was decently attended, with a nice crowd of members, spouses, and students from Ohio State University and Wright State University. The Annual Meeting marked the second in person meeting and dinner since the beginning of the COVID-19 pandemic. The evening began with a social hour featuring a cash bar. The OSU and WSU chapters oversaw a 50/50 drawing, selling tickets throughout the social hour and dinner, with 50-percent of the collected money going to the drawing winner and the other 50-percent going to the student Chapters.

Prior to the buffet style dinner being served, President Tom Jenkins (CPG-07892), addressed the attendees with welcoming remarks and provided a summary of the Section's accomplishments during 2021. In addition, Tom recognized the generous contributions of our meeting sponsors Alpha Analytical, Buckeye Elm, Environmental Remediation Contractors (ERC), Ohio Soil Recycling, Terran Corp and White Oak Environmental. Chris McGovern with ERC and Romy Bouhadana with White Oak Environmental both were given the opportunity to provide remarks.

At the conclusion of the meal, Tom introduced the evening's guest speaker, Mr. James McDonald who serves as the Geology Program Supervisor at Ohio Department of Natural Resources, Ohio Geological Survey's Energy Resources Group. His presentation was entitled History of Structure Contour Mapping in the Appalachian Basin: 1870-1917. This presentation has received two awards, the A.I. Levorson Memorial Best Paper Award and the Pittsburgh Geological Society Award. The Levorson is a national AAPG award given at the section level, presented for the best scientific paper given at the annual meeting of the Eastern Section. The Pittsburgh Geological Society Award is presented to the best presentation on Appalachian Geology.



James McDonald presenting to the audience

Mr. McDonald's presentation addressed subsurface structural contours that have been used as a method in delineating anticlines since the 1870s. Mr. McDonald outlined a handful of geologists that were active from 1870 to 1900, who utilized map-based depictions of structure contours to show the relationship between anticlines and oil accumulations. Contributions by these pioneering geologists developed techniques of using structure contours to depict the subsurface geology and assist in identifying anticlines.

According to Mr. McDonald, in the early 1900's, William T. Griswold a geologist with the U.S. Geological Survey (USGS) created a specific technique to map structure contours using a plane table and alidade in the Cadiz, Ohio area. Griswold's technique was instrumental in identifying anticlinal traps for petroleum exploration. During the 1910s, major oil field discoveries were made in Oklahoma where many people migrated to explore for oil, including geologists who applied these specific geological techniques. Because of the success in finding oil, these techniques were soon adopted by the industry. Mapping structure contours using a plane table and alidade was the practical technique that made the use of geology indispensable to oil and gas exploration.

After questions, President Jenkins presented Mr. McDonald with a plaque bearing the Ohio State Fossil, the *Isotelus Maximus*, as a token of appreciation for speaking.

President Jenkins then introduced next year's section President, Robert Andrews. Please see President Andrews' Message in this newsletter for more details on the exciting things planned for 2022.



Tom presenting James McDonald with a plaque bearing the Ohio State fossil, the *Isotelus Maximus*, as a token of appreciation for speaking.

LIGHTBOX | EDR

Tom then recognized the following for significant membership milestones.

Recognition for 53 Years of Membership

William Shafer, CPG-01620

Recognition for 35 Years of Membership

Linda Aller, CPG-06919, Jeff Schick, CPG-06926, Thomas Trebonik, CPG-06769 and
Thomas Wood, CPG-06928

Recognition for 30 Years of Membership

Richard Boone, CPG-07884, J. Dailey, CPG-07993, Tom Jenkins, CPG-07892,
Allan Razem, CPG-07816, Richard Tippel, CPG-07898

Recognition for 25 Years of Membership

Jeff Blood, CPG-09663, Mark Deering, CPG-09506, John Garvey, CPG-09639, Patrick
Hoyng, CPG-09594, Mathew Knecht, CPG-09533, Chris Krumm, CPG-09714 Emeritus, Alan
Lake, CPG-09486, David Mustafaga, CPG-09722, Patrick Nortz, CPG-09669,
Ronald Pelle, CPG-09576, Kevin Reichert, CPG-09484, David Vicarel, CPG-09601,
Robert Worstall CPG-09520 Emeritus

Recognition for 20 Years of Membership

Michael Brady, CPG-10535, Anthony Limke, CPG-10509

Recognition for 15 Years of Membership

Paul Becks, CPG-10928, Patrick Duncan, CPG-10920, Brenda Hite, CPG-10921, Craig
Marlow, AS-0033, Franz-Christoph Peters, MEM-0831, Christopher Wright, CPG-11741

Recognition for 10 Years of Membership

Paul Parrish, CPG-11337

Recognition for 5 Years of Membership

Michael Braunagel, SA-6901, Samuel Darland, YP-0423, Hugh Downer, CPG-11815,
Jinyu Seo, SA-6753, Xiangming Zhao, SA-6433

President Jenkins then presented the following 2021 Ohio Section Executive Committee
Awards

Award of Honor: Brent Smith, CPG-11130

The Award of Honor is presented to individuals who have a demonstrated a record of distinguished service to the Section.

President Jenkins presented this award to Brent Smith in recognition of his outstanding service to the profession, the public, and the Institute. Brent Smith has served the Ohio Section of AIPG through holding elected office, maintaining the digital presence, and representing the Ohio Section as a delegate to AIPG National. Tom indicated that the Institute's chartered purpose to increase public understanding and awareness of the profession of geology is furthered through Brent's leadership. As a geologist, Brent is thorough in his work and demonstrates the highest ethical standards. He has mentored professional geologists early in their careers. Brent is an outstanding example for future generations of Ohio geologists.



Tom presenting Brent Smith with his award.

Outstanding Service to the Institute Award: Robert Andrews, CPG-11975

Tom presented this Outstanding Service to the Institute Award to Robert Andrews in recognition of this outstanding service to the profession, the public, and the Institute. Tom indicated that Robert has served the Ohio Section through holding elected office, increasing advertising revenue and developing an annual golf outing. He has greatly improved Section finances and efficiency of operations. The Institute's chartered purpose to increase public understanding of the profession of geology has been furthered through his leadership.



Tom presenting Robert Andrews with his award.

Presidential Certificate of Appreciation: Melissa Stonerook of Eagon & Associates. Inc

Tom presented this certificate of appreciation to Melissa Stonerook as an expression of appreciation for her assistance in the publication of the AIPG quarterly newsletter. Melissa's publishing capabilities improved the organization and appearance of the Ohio Section Newsletter. Her efforts and assistance made it possible for the newsletter to be produced in a professional manner.

Following presentation of awards, the winner of the 50/50 drawing was selected. Robert Andrews won the prize and



Tom presenting Mellissa Stonerook with her award.

elected to donate his winnings to the OSU and WSU chapters, totaling \$200. Attendees were then entertained by a door prize give away of AIPG National items. These included a beanie cap, an outback hat, a sport bottle, a stainless steel travel mug, canvas tote bag and a backpack. Additionally, each attendee received a bottle of wine compliments of Alpha Analytical. Again, special thanks to Mr. James McDonald, all members who attended, the 2021 Executive Committee, and the OSU and WSU Student Chapters for making this a fun and memorable event! Also special thanks to Alpha Analytical, Buckeye Elm Contracting, Environmental Remediation Contractors, Ohio Soil Recycling, Terran Corporation and White Oak Environmental for sponsoring the event and continued support to the Ohio Section of AIPG.

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2021 AIPG National Meeting – Revisited

By: **Robert Andrews, CPG-11975**

Last October, I was given the privilege as 2022 President-Elect by the Executive Committee to represent the Ohio Section at AIPG's 58th Annual National Conference in Sacramento, CA. Over 4 years ago, our Executive Committee established a policy where by both the President-Elect and the President of the Section attend the National Conference each year. The President attends as a delegate from the Section and the President-Elect attends to gather information on National's activities in preparation for his/her moving into the position of President in the upcoming year. Because last year's President Tom Jenkins was unable to attend, I attended as a delegate for 2021 and to prepare for 2022.

Day One

I began my conference experience on October 22nd by attending a field trip to the geothermal geysers located near Middletown, CA nestled in the Mayacamas Mountains near the junction of the Gorda, North American, and Pacific plates. Important note there are no actual geysers present in this area, just vents where hot seam rises. Calpine Energy utilizes this geothermal resource to generate electric power for northern California.

The field trip began in at Calpine's Visitor Center where our leaders described the requirements for a renewable geothermal resource (see cross-section to the right). These include a high temperature heat source (magma or recently crystallize rock) overlain by a permeable reservoir rock (consisting of fractures/faults) and the presence of a reservoir fluid (seam and/or water). On top of all this is a low permeability cap rock so as to contain the fluid and heat. Finally, there is a natural or engineered means to recharge the fluid for resource sustainability.

The geothermal field in Mayacamas Mountains is entirely within an area of the Franciscan complex and rocks of the Coast Range ophiolite that are juxtaposed along fault zones. The reservoir rock is primarily a relatively brittle fractured greywacke, which transmits the steam. Calpine utilizes 319 wells located in a 44.5 square mile area drilled into the greywacke to transmit the hot steam to their 13 turbine geothermal plants. In addition, Calpine utilizes 53 injection wells to reinject treated waste water back into the subsurface to provide a continuous source of steam for the transmission of the heat from the reservoir rock. In 2020, Calpine generated over 5.6 million megawatts of electricity (average daily output of 639 megawatts). In addition, Calpine reinjected on average 13.74 million gallons per day of waste water back into the subsurface.

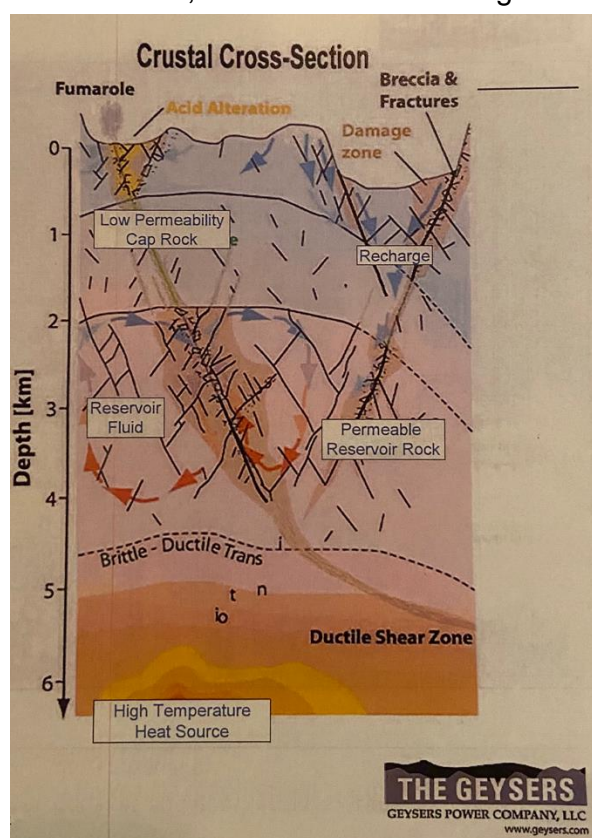


Diagram of the requirements for a renewable geothermal resource.



View of a steam fields in the Mayacamas Mountains.

View of one of Calpine's power generation plants.



Day Two

The second day of the conference (October 23rd) consisted of attending National's Executive Committee and Advisory Board meetings. During the morning Executive Committee meeting, members discussed the status of the organization on National level, including the financial status of the organization and desires to get younger professional geologists (aka Early Career Professionals) and students involved in the organization.

During this meeting, Advisory Board Member Brent Smith (CPG-11130), who represents the Ohio Section, reported on the work he had been doing along with fellow member Randy Smith of Georgia to evaluate inexpensive tools for state sections to create a better web presence to support and attract new members.



President-Elect Robert Andrews along with Brent Smith attending the morning Executive Committee Meeting.

The afternoon on this day consisted of participating in a separate Advisory Board Meeting where state sections reported on their 2021 activities. I reported on Ohio's activities on behalf of last year's President Tom Jenkins. At the conclusion of this meeting, delegates to from each section elected four Advisory Board representatives for 2022. I can report that Brent Smith was elected to serve another term on National's Advisory Board for 2022.

Day Three

On the third day of the conference (October 24th), I was scheduled to attend a field trip along with Brent Smith to explore the geology of the California's Northern Sierra Nevada Region. However, this field trip was canceled due to the bomb cyclone or atmospheric river that overtook northern California on that day. So in lieu of remaining in the conference hotel for the day, Brent Smith and myself undertook a separate field trip to Yosemite National Park, located southeast of Sacramento. We chose Yosemite because neither of us had ever visited this park and we wanted to get away from the storm that overtook Sacramento. During this inaugural Andrews-Smith field trip (or Smith-Andrews field trip depending on who tells the story of the day), we hiked a trail to the Merced Grove Trailhead to examine the giant sequoias and examined the base of El Capitan. Unfortunately, we were unable to avoid the precipitation associated with the bomb cyclone. But at least it was not the torrential downpour that occurred around Sacramento.



Brent Smith standing in front of sequoias.



View of El Capitan from the Yosemite Valley.

Day Four

Monday, October 25th, began by attending a Section Delegate Meeting followed by the day's technical session. During this session I attended a presentation by Jeremy Lancaster of the California Geological Survey on mapping landslides California, a presentation by Stephen Testa on historical events shaped geological development in California, and an open discussion on how geologist can build resilience across America given extreme weather conditions along with increases in population. This day concluded with the Annual Awards Banquet where members throughout nation were recognized for their contribution to the organization and geologic profession as a whole. Because the 2020 Annual Conference was canceled due to the COVID pandemic, the banquet recognized the award winners from both 2020 and 2021. For 2020, Colin Flaherty (CPG-11465) of Ohio Section was recognized with a Section Leadership Award for his contribution to our section as well as his participation on Nationals Advisory Board for 2018 and 2019. For 2021, I humbly was given a Section Leadership Award for my services to the Ohio Section.



President-Elect Robert Andrews receiving a 2021 Section Leadership Award.

Day Five

My final day of the conference (October 26th) consisted of attending another field trip to examine modern aggregate gravel and gold mining in the Lower Yuba River Valley of northern California. The Yuba Goldfields, as they are known, encompass approximately 10,000 acres along about 11 miles of the Yuba River between Yuba City-Marysville and Smartsville, CA. We examined the changes to the landscape initially formed by the deposition of the gold-rich sediments eroded from the Sierra Nevada Mountains along the Yuba River. In early 19th Century, gold was mined by hydraulic techniques (high pressure water). Later in 19th Century, large bucket-lined dredges were used to clear accumulated sediment from the Yuba River channel and mine the adjacent flood plains for heavy minerals. As a result of the dredge mining, large tailing piles of gravel were left in the flood plain. Some of these piles are located in the center of Yuba River creating obstacles to the river's flow.



Google Earth image of the talus piles formed by dredge mining for gold along the Yuba River.

We began this trip by examining an inactive gold mining dredge, which mined Yuba River deposit for the first time producing talus piles of gravel. Then we examined an operation where the talus piles are mined for their gravel deposits. Again, a dredge is utilized, but not the same one as for mining gold. Prior to crushing and storing in a processing plant, this gravel is again washed to retrieve any remaining gold and heavy minerals. Then we examined an operation where tailing gravel piles located in the center of the Yuba River were are mined in order to restore the river to its original condition. Finally, we visited a reclaimed mine in the headwaters of the river valley that will soon be developed for single family homes. The developer discussed in detail how hydraulic mining was utilized at this site.



Picture of heavy minerals and gold (red circle) washed from talus gravel piles.

Inactive gold mining dredge.



Mining of talus piles (right) in order to restore the Yuba River to its original condition (center).



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Ohio Section 2022 Winter Meeting

Feature

Presentation: Grand Lake St Marys Watershed Conservation

Presented By: Dr. Stephen Jacquemin

The Ohio Section of AIPG is pleased to host Dr. Stephen Jacquemin at the Section's Winter Meeting presentation, which will take place on Thursday, November 18, 2021 at The Berry Room at the Nutter Center in Dayton. Dr. Stephen Jacquemin will be presenting: Grand Lake St Marys Watershed Conservation. This event is sponsored by Alpha Analytical, ALS Environmental, Buckeye Elm Contracting, Environmental Remediation Contractors, Environmental Risk Information Services, Ohio Soil Recycling, and White Oak Environmental.

The event begins at 5:00 pm with social hour, followed by dinner at 6:00, and the feature presentation at 7:00. The cost is \$25 for members and guests or \$10 for students. Please preregister and submit payment for the event via PayPal through the AIPG Ohio Section website <https://www.aipg-ohio.org/payment.php>. Registration closes on at end of business on February 10, 2022.

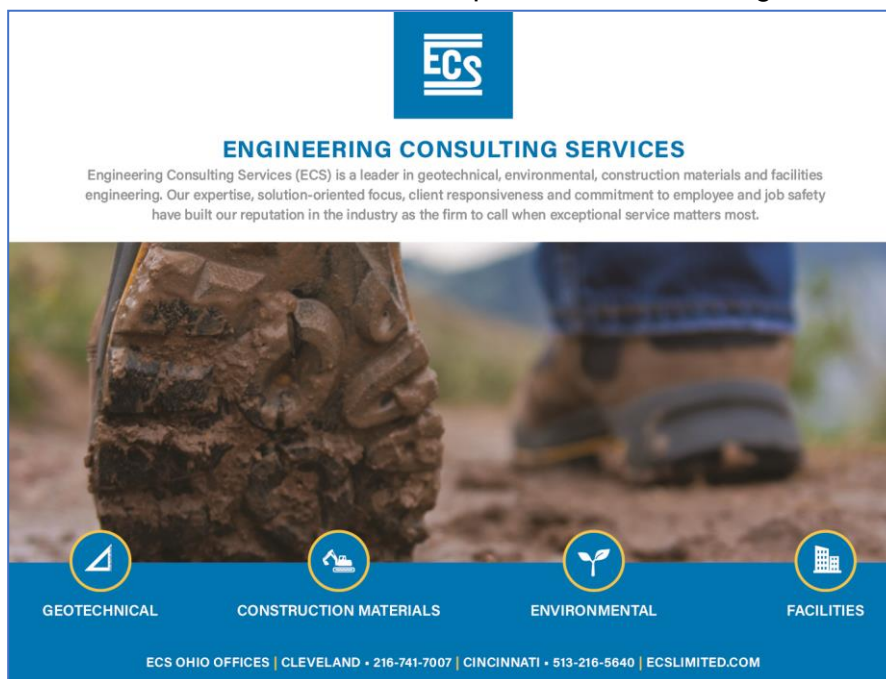


SME

*Grand Lake St Marys Watershed Conservation
by Dr. Stephen Jacquemin*

ABSTRACT

Grand Lake St Marys (GLSM) watershed has long been synonymous with nutrient runoff and harmful algal blooms - with some of the highest historical levels of nutrient concentrations and resulting algal blooms found anywhere in North America. These high levels of runoff concentrations and loads have been underpinned by intense animal and row crop agriculture in the watershed. Given this, over the past decade, a plethora of obligatory and voluntary management and conservation practices have been implemented across the watershed. As a result, recent analyses indicate that reductions in nutrient runoff of up to 50+% depending on the nutrient, flow regime, or timing have occurred. Most promising in the watershed however, are the increasing acres of wetlands. This is notable as these valuable natural ecosystems were almost entirely eliminated from the GLSM watershed at one point. However, recent conservation efforts have prioritized wetland restoration and expansion – continuing to move water quality in a positive direction. This approach of wetland expansion has garnered national attention due to the design, construction, and implementation as they continue to reduce nutrient loading into the system. GLSM remains extremely high in nutrient runoff but clear progress is being made and lessons can be learned for future environmental conservation efforts.



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Bio: Dr. Stephen Jacquemin has held a lifelong interest in nature and environmental conservation. He is particularly passionate about improving our understanding of freshwater ecosystems to foster their preservation. He holds a BS in Biology from Ohio Northern University as well as a MS and PhD in Biology and Environmental Science from Ball State University. He is the author of over 50 peer reviewed articles and technical reports, recipient of well over a quarter million dollars in conservation research funding, has contributed more than 100 scientific abstracts and presentations, and been featured in numerous local, regional, and national news outlets ranging from the local paper to the New York Times for his work. He is currently a Professor of Biology at Wright State University Lake Campus.





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News from Youngstown State University Student Chapter of AIPG



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Youngstown State University Student Chapter of AIPG has provided the *Newsletter* with a listing of officers for the 2022 academic year.

Youngstown State University Chapter of AIPG, 2022		
OFFICERS	President	Eli Moore
	Vice President	Dan Robinson
	Secretary	Lindsay DeLullo
	Treasurer	Carl LaRosa
ADVISOR	Dr. Jeff Dick, Professor and Chair, Geological & Environmental Sciences	

Last year was spent recruiting new members. For 2022 the chapter will be giving a presentation at Crestview High School in Columbiana, OH on geologic study and careers. They hope to schedule a couple field trips as well.

Please take a moment and welcome these YSU Student Chapter of AIPG officers and their fellow student members at a future AIPG event.



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Calendar of Upcoming Events	
February 15, 2022	AIPG Ohio Section Winter Virtual Meeting at Wright State University Speaker: Dr. Stephen Jacquemin https://www.aipg-ohio.org/eventdetails.php
April 21, 2022	AIPG Ohio Section Spring Meeting at The Boat House Restaurant & Events Center, Columbus Speaker: To be determined.
June 2022	4 th Annual AIPG Ohio Section Charity Golf Scramble (exact date and location TBD)
August 6-9, 2022	AIPG National Meeting, Marquette, Michigan
September 15, 2022	AIPG Ohio Section 2021 Fall Meeting and Dinner Presentation – Streetsboro, Ohio Speaker: To be determined
November 17, 2022	AIPG Ohio Section 2022 Annual Meeting – Speaker: To be determined.



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Letters to the Editor and Editorial Submittal Guidelines

The Ohio Section welcomes and encourages membership discourse via the Section newsletter on relevant geopolitical and geological topics, in accordance with our chartered purpose. Contributing authors are requested to abide by the following guidelines to ensure civility and professionalism.

1. Scientific interpretations should include accurate and effective references.
2. Opinion pieces should be presented with reasoning. Fellow members may choose to comment or challenge a submittal with their own contribution.
3. Authors must abide by the AIPG Code of Ethics. Any author who violates this code will not be published. Authors must be respectful to fellow members, all political parties, officials and candidates.
4. Letters to the Editor should be under one page in 12 pt. Arial font.
5. Member authors should provide their name and certification number.
6. The Ohio Section also welcomes and will consider relevant articles from non-members, provided contributions abide by the above stated guidelines.

Contributions to the Ohio Section newsletter do not necessarily reflect the opinion of the Ohio Section or the editor. We reserve the right to edit for clarity and space considerations.

Please send submittals to the editor at nnovak@eagoninc.com.



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