**EMILY B. CAHOON**

Ph.D., R.G. *(she/her)*

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**OBJECTIVE STATEMENT** I am a PhD geologist specializing in geochemical modeling and characterization of geologic media to delineate contaminant plumes and understand transport mechanisms. My professional interests and career goals aim to explore innovated topics related to energy transitions/solutions and environmental welfare, while mentoring the next generation to be socially aware geoscientists.

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| **EDUCATION** | |
| **Ph.D. Igneous Petrology/ Geochemistry/ Volcanology** School of the Environment, Portland State University, OR | *2020* |
| **M.S. Geology** School of the Environment, Washington State University, WA | *2015* |
| **B.S. Geology** College of Earth, Ocean, and Environment, University of Delaware, DE | *2010* |

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| **PROFESSIONAL CERTIFICATES & CREDENTIALS** | |
| **Registered Geologist** *(Oregon, license #G2820)* | *2022* |
| **Universal Design for Learning** **Certificate** Hatfield School of Government Portland State University, OR | *2021* |
| **Certificate of Innovation in College Teaching** Office of Academic Innovation Portland State University, OR  [Digital Teaching Portfolio](https://sites.google.com/view/teachingportfolio-emilycahoon/home) | *2020* |

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| **ACADEMIC APPOINTMENTS** | |
| **Research Associate & Instructor** at **Oregon State University** | *2021-2024* |
| **Term Assistant Professor** at **University of Alaska Anchorage** | *2020-2021* |
| **Academic Tutor** at **Cambridge Coaching** | *2020-2021* |
| **Adjunct Faculty** at **Clackamas Community College** | *2019-2020* |
| **Mineralogy Instructor/ Adjunct Faculty** at **Portland State University** | *2018-2021* |
| **Research Consultant** at **Community College Research Center, Teachers College, Columbia University** | *2019-2020* |
| **Graduate Research Assistant/ Teaching Assistant** at **Portland State University** | *2015-2019* |
| **Graduate Teaching Assistant** at **Washington State University** | *2010-2012* |
| **Courses Taught** (*in-person & online*): Mineralogy, Igneous and Metamorphic Petrology, Environmental Geology, Physical Geology, Geological Data Analysis and Visualization, Volcanology, and Petrography. | |

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| **EXPERIENCE - INDUSTRY** | |
| **Business Development Manager** (North America)at **Isotopx ltd.**  **Owner/ Operator** at **Metals & Minerals Exploration LLC** | *2024-2025*  *2019-Present* |
| **Economic Geologist** at **The Kiwanda Group** | *2016-2019* |
| **Geologist** at **EA Engineering, Science, and Technology, Inc.** | *2014-2015* |
| **Geologist** at **Golder Associates, Inc.** | *2013-2014* |
| **Economic Field Geologist** at **Duluth Metals ltd.** | *2011* |
| **Undergraduate Intern** at the **Delaware Geological Survey** | *2008-2010* |

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| **PUBLICATIONS** *(published, in review, & advanced drafts)*: |
| Heaton, D.E, Davidson, P.C., **Cahoon, E.B.**, and Koppers, A.A.P., *202x*, The Effects of Acid-Leaching on Groundmass 40Ar/39Ar Geochronology *(advanced draft)* |
| Davidson, P.C., Heaton, D.E, **Cahoon, E.B.**, and Koppers, A.A.P., *202x*, Understanding Recoil in Volcanic Groundmass 40Ar/39Ar Dating *(advanced draft)* |
| **Cahoon, E.B.**, Davidson, P.C., Heaton, D.E, and Koppers, A.A.P., *202x*, Hydrofluoric acid leaching of volcanic groundmass to reduce the influence of 39Ar recoil in 40Ar/39Ar dating *(advanced draft)* |
| Randolph-Flagg., N.G., Mittal, T., & **Cahoon, E.B.**, *202x*, Hydrologic diffusion modeling of Li and REE in ignimbrites within caldera systems *(advanced draft)* |
| **Cahoon, E.B.**, Nunley, K.E., Heaton, D.E, Hames, B., and Koppers, A.A.P., 202x, Argon Incremental Heating as an Identifier of Age-Related Oddities Between Plagioclase and Groundmass in Eastern Oregon *(advanced draft, American Mineralogist)* |
| **Cahoon, E.B.**, Yost, C., Kent, A., Toney S., & Nunley, K.E., 202x, Geochemical Characterization of Copper-Bearing Plagioclase, Eastern Oregon *(advanced draft)* |
| Hudak, M.R., Barry, P.H., Bekaert, D.V., Turner, S.J., Walowski, K., Tyne, R.L., Broadley, M.W., Li, K., Nielsen, S.G., Curtice, J.M., Kurz, M.W., **Cahoon, E.B.**, Wallace, P., Muth, M., & Shaw, A.M., *2024*, Olivine and pyroxene-hosted fluid inclusions record high arc nitrogen fluxes and multiple slab sources *(Geophysical Research Letters)* |
| **Cahoon, E.B.**, Streck, M.J., Carlson, R.W., and Bindeman, I.N., *2024*, Mantle Sources and Geochemical Evolution of the Picture Gorge Basalt, Minerals 14 (5), 440 *(Minerals Special Issue Large Igneous Provinces: Research Frontiers)* |
| Pasqualon, N.G., Savian, J.F., Lima, E.F., Oliveria, W.P., Hartmann, G.A., Scherer, C.M.S., da Luz, F.R., Rossetti, L.M.M., Trindade, R.I.F., Koppers, A.P.P., **Cahoon, E.B.**, Miggins, D., and Di Chiara, A., *2024*, Stratigraphic Implications from the Paleomagnetic Record and 40Ar/39Ar Ages from Trindade Island, Brasil *(Quaternary Geochronology)* |
| Streck, M.J., Fredenberg, L.J., Fox, L., **Cahoon, E.B.**, and Mass, M.J., *2023*, Province-Wide Tapping of a Shallow, Variably Depleted, and Metasomatized Mantle to Generate Earliest Flood Basalt Magmas of the Columbia River Basalt, Northwestern USA, Minerals 13 (12), 1544 *(Minerals Special Issue Large Igneous Provinces: Research Frontiers)* |
| **Cahoon, E.B.**, Streck, M.J., and Koppers, A.A.P., *2023*, The Picture Gorge Basalt: Internal Stratigraphy, Eruptive Patterns, and its importance for understanding CRBG magmatism *(Geosphere)* |
| **Cahoon, E.B.**, Streck, M.J., Ferns, M.L., *2021*, Flood basalts, rhyolites and post-dating volcanism of the Columbia River magmatic province in eastern Oregon *(GSA Field Guide)* |
| **Cahoon, E.B.**, Streck, M.J., Koppers, A.A., and Miggins, D.P., *2020*. Reshuffling the Columbia River Basalt chronology—Picture Gorge Basalt, the earliest-and longest-erupting formation. Geology, 48(4), pp.348-352 *(journal cover photo)* |

**PROPOSALS**

**In Review/Redevelopment**

Frontier – Alkalinity Sourcing Challenge *(in review, $5,000) 2025*

NSF GEO-CM: Collaborative Research, Li/REE Enrichment in Caldera Systems (*in redevelopment, $620,037*) *2024*

NSF EAR-CH: Temporal Eruptive Pulses in Flood Basalts (*adv. proposal draft, target submission June 1st $420,000*)  *2024*

**Awarded**

Critical Minerals Institute: Characterizing Li/REE at McDermitt Caldera (*over 5 years $1,075,000*)  *2023*

Gemological Institute of America *(funding awarded but not accepted, $200,000)* *2020*

Graduate Research Grant, Evolving Earth Foundation *($3,000)*  *2018*

Graduate Student Research Grant, Geological Society of America *($2,000 & $1,800)* *2011 & 2017*

**Unsuccessful**

L'Oréal USA For Women in Science Fellowship *($60,000)*  *2022*

The Center for Black, Brown, and Queer Studies’ Summer Pedagogy Fellowship *($5,000)* *2021*

United Stated Geological Survey, Mendenhall Research Fellowship Program *($220,000)* *2021*

National Science Foundation, EAR-Postdoctoral Fellowship Proposal *($174,000)*   *2019, 2020*

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| **STUDENT MENTORSHIPS (Undergraduate & Graduate)** | |
| Sophia O’Barr, M.S. graduate student committee member (OSU) thesis | *2026* |
| Konstantin Lukyanenko, undergraduate student (OSU), research assistant on DOE/CMI grant | *2024* |
| Celina Driver, undergraduate student (OSU), research assistant on DOE/CMI grant | *2024* |
| Ian LaCharite, undergraduate student (OSU), supervising manager at Marine & Geology Repository | *2025* |
| Parker Campa, undergraduate student (OSU), supervising manager at Marine & Geology Repository | *2024* |
| Rachel Paul, M.S. graduate student committee member (OSU) thesis | *2024* |
| Grant Kershner, undergraduate student (OSU), supervising manager at Marine & Geology Repository | *2023* |
| Kyle Nunley, undergraduate student (OSU) *part of collaborative cohort* | *2023* |
| Cheyenne Yost, undergraduate student (OSU) *part of collaborative cohort* | *2023* |
| Scott Toney, undergraduate student (OSU) *part of collaborative cohort* | *2023* |
| Mary Mass, M.S. graduate student committee member (PSU), department thesis | *2023* |
| Luke Fredenberg, M.S. graduate student committee member (PSU), department thesis | *2022* |
| Jonathan Gladwell, undergraduate student (PSU), department thesis | *2022* |
| Cisil Badur, M.S. graduate student mentor (Auburn University), department thesis | *2022* |
| Nolan Vlahovich, undergraduate student (UAA), department thesis | *2021* |
| Melinda Muckenthaler, undergraduate student (PSU, co-mentor), department thesis | *2020* |
| Stephanie Welch, undergraduate student (PSU), AGU presentation (*poster*) | *2019* |

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| **EXPERIENCE – FIELDWORK (Terrestrial & Sea-Going)** | |
| **Lead Instructor, Dredging and Rock Curation Protocols** Managed preparation and shipment of rock curational equipment and created instructional content for a 5-day training cruise aboard the R/V Kilo Moana. Instructional goals include familiarization with dredging (equipment, techniques, vessel requirements and limitations), and procedural steps for curating collected rock samples. These methods support data accessibility initiatives by establishing a robust yet efficient accessioning protocol for marine rock collections to be archived at MGR. | *2023* |
| **Field Team Member, Documenting Lava Flow Field Architecture in central WA** Collaborator on project documenting textures of lava flows and lobes associated with younger main-phase Columbia River Flood Basalts using airborne drone technology and control points to measure flow dimensions. | *2022* |
| **OSU Science Party Lead, R/V Kilo Moana** Led OSU contingent on $2.6 million dollar research expedition dredging seamounts throughout the West Pacific Seamount Province. I organized, managed, and supervised outreach and sample processing activities, including development of detailed rock curation standard operating procedures to standardize sampling methodologies and data collection at sea. | *2022* |
| **Field Trip Leader, GSOC-AWG Eastern Oregon Volcanics & the Yellowstone Plume** Led a 4-day field trip across eastern Oregon for 25 participant from the Geological Society of the Oregon Country (GSOC) and the Association of Women Geoscientists (PNW Chapter). | *2021* |
| **Field Trip Co-leader, Flood Basalts, Rhyolites, and Pre- to Postdating Volcanism of the Columbia River Province** Field trip 401 of GSA Cordilleran Section Meeting. Compiled [an interactive map](https://www.google.com/maps/d/u/0/viewer?hl=en&mid=151h_cburpB48LZwsHWmDrFthO6mRncB8&ll=44.51985879022609%2C-118.5730668&z=7) hosted on Google with all field stops. Each location specified field stop coordinates with a color-coded icon that corresponds with the Field Guide. | *2019* |
| **Scientific Party Member (Shift Lead), Nathaniel B. Palmer Icebreaker** Shift leader overseeing a team of six scientists aboard an oceanic vessel studying intraplate volcanism associated with the Tristan-Gough plume. | *2018* |
| **Volunteer, Cascade Volcano Observatory (CVO) & Center for the Study of Active Volcanoes (CSAV)** Assist in dam breach experiments with CVO scientists at the debris flow flume at the H.J. Andrews Experimental Forest, and help with the facilitation of a field-based course for international scientists at Mt St Helens. | *2012-2018* |
| **Participant, ExxonMobil Field Course** Guadalupe Mountains field course investigating and evaluating Permian shelf deposits using seismic studies, carbonate depositional systems, and sequence stratigraphy. | *2012* |
| **Student, Field Camp, Lehigh University** Student on a 6-week traveling field camp from Pennsylvania to Idaho. | *2009* |
| **Student, Study Abroad** Student on a 6-week study abroad trip investigating volcanic deposits, New Zealand (2010) and studying and practicing the Spanish language, Mexico (2009). | *2009 2010* |
| **Intern, Boston College, Weston Observatory of Geoscience and Geophysics** Field assistant installing geophones at field sites across the state of Massachusetts. | *2008* |

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| **SYNERGISTIC ACTIVITIES (Diversity, Leadership, & Mentorship)** | |
| **FieldSafe Committee (OSU)** Group committed to creating a culture of safe and inclusive field experiences at Oregon State University (and beyond) by increasing awareness of the prevalence and impact of sexual assault and harassment and provide resources and training to prevent and eliminate occurrences in the field. | *2023* |
| **NAGT Early Career Geoscience Faculty Workshop** Selected participant for early-career faculty workshop, engaging in discussions and activities related to teaching, research, and managing an academic career. | *2022* |
| **Unlearning Racism in Geoscience (URGE)** Active pod participant in URGE, an NSF-funded reading and policy design program to support diversity, equity, and inclusion in the geosciences (University of Alaska Fairbanks pod). | *2021* |
| **UAA Department of Geological Sciences Community Advisory Board (CAB)** Advise the Director, faculty, and University administrators and governance bodies on matters related to geoscience education, research, service, and professional development to benefit students and Alaskan society. | *2021* |
| **Exploration of Pay Inequity at the University of Alaska (UA)** Subcommittee member exploring employee salary discrepancies at UA. This work is collaborative with efforts to increase visibility and implementation of inclusive hiring practices in higher education. | *2021* |
| **Mindfulness of Power and Privilege (UAA)** Participant in an 8-week mindfulness course for White-identified faculty and staff to understand the deep roots of systematic and structural racism in ourselves and society, and work with ways to embody anti-racism. | *2020* |
| **AWG-PNW Chapter – Editor** Board Member and Communications Editor publishing quarterly newsletters for the Pacific Northwest Chapter Association of Women Geoscientists. | *2020* |
| **Volcanology Students of Oregon (VOLC-OR) Founder/ Advisory Board**Founded and organized the first student-run geology conference in Oregon. (<https://blogs.uoregon.edu/volcor/2018/03/29/volc-or-a-community-of-oregonian-volcanology-students/>) | *2018* |
| **Mineralogy Undergraduate Work Study Program** (*development in-progress*) Develop a collaborative work-study program between the Rice Northwest Museum of Rocks and Minerals and PSU. |  |
| **PSU University President’s Advisory Council** Advise ASPSU President and Vice President on student success, engagement, and financial challenges. | *2019- 2020* |
| **Ladies Lab Night with Science Outreach Society (SOS) and International Women's Day** Event to introduce women in high school and college to PSU science departments through activities (lab tours, discussions, activities and demos, etc.) in an effort to increase the number of women in STEM fields. | *2018* |
| **PSU Graduate Student Union Steward & Student Representative** Serve as a connection between the broader membership and union leadership to build an active and involved union in our workplace and provide information about actions, initiatives, and events. | *2016-2018* |

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| **PROFESSIONAL DEVELOPMENT (Science Communication & Dynamic Outreach)** | |
| **GeoTourism Guide with Ouzel Outfitters**  Geology interpreter for rafting outfitter on guided river trips in WA/OR/ID (*upper & lower John Day River*) | *2023-present* |
| **OMSI** **Science Communication Fellowship Program**  Selected Fellow of Oregon Museum of Science and Industry (OMSI) Science Communication Program. OMSI Fellows practice and expand their communication skills while developing hands-on activities, products, and tools that improve sharing of scientific research topics with non-technical audiences. | *2023* |
| **Featured on Oregon Field Guide, television production of Oregon Public Broadcasting (OPB)**  Interviewed by OPB’s Field Guide “*weekly TV news magazine exploring the ecological issues, natural wonders, and outdoor recreation of the Northwest*” <https://watch.opb.org/video/oregon-sunstones-2cx9ru/> (Season 33, Ep 9) | *2022* |
| **Featured on American Gemstones**  Collaborative website of gemstone artists and miners dedicated to outreach and growing museum funding <https://americangemstones.com/portfolio/oregon-sunstone-rough-sunstone-butte-mine/> | *2022* |
| **Hazards and Science Communication in Crisis and Calm Short Course, Geological Society of America (GSA)**  Participant in GSA short course about effective communication led by USGS and UNAVCO geoscientists. Topics included working with the media, social media, visual communication, and best practices for sharing uncertainty, hazard, and risk. | *2021* |
| **Sharing Science Workshop, American Geophysical Union (AGU)**  AGU workshop on effective and responsible methods for communicating science, increasing the understanding and value of Earth science by communicating with the public, media, K-12 audiences, and policymakers. | *2020* |
| **Nick Zentner Geology Podcast**  Guest on The Nick Zentner Geology Podcast by Nick Zentner of Central Washington University. The podcast is designed to explain various and complex geological topics to a general audience.  <http://www.nickzentner.com/the-nick-zentner-geology-podcast/2020/1/10/emily-cahoon> | *2020* |
| **3-Minute Thesis - Western Association of Graduate Schools (Nominee)**  Science communication competition between graduate students in the western United States. | *2019* |
| **3-Minute Thesis Presenter (1st Place)**  The 3-Minute Thesis is a research communication competition designed to help graduate students develop presentation skills by consolidating their research and presenting it to a non-specialist audience. (<https://www.youtube.com/watch?v=zp06Sp8h2Tg>) | *2018* |
| **AGU Instagram Account Manager**  “Took over” AGU’s Instagram account to document via videos and photos a Petrology Field Trip to central Oregon through PSU and my field research in eastern Oregon with undergraduate field assistants. | *2017* |

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| **FIELD, TECHNICAL, & COMPUTATIONAL SKILLS** |
| **Field:** Geologic field mapping (1:24,000), glacial till sampling for mineral exploration, sample preparation for assay, paleomagnetic investigations via drilling and fluxgate magnetometer, hand augering, continuous core logging, rock sawing (continuous and serrated blades), seamount dredging (at-sea up to depths of 4.5km), groundwater sampling (up to 250’), monitoring well installation via air-rotary and mud-rotary drilling, and borehole geophysics (optical and acoustic imaging, resistivity/ conductivity, natural gamma, and caliper studies). |
| **Laboratory:** Instrumentation knowledge of magnetic sector mass spectrometers (i.e. MC-ICP-MS, TIMS, IRMS, noble gas – *additional details available upon request*). Sample preparation for geochemical analysis via X-ray Fluorescence (XRF), Inductively Coupled Plasma Mass Spectrometer (ICP-MS), ArAr Geochronology (ARGUS-VI multi-collector), stable oxygen analyses via laser fluorination on Thermo-Finnigan MAT 253, back scatter electron (BSE) imaging via electron microprobe, Sr/ Nd isotopes via Thermal Ionization Mass Spectrometry (TIMS), and Hf/ Pb isotopes via NU Plasma HR multi-collector. |
| **Software/ Programming:** Microsoft Packages (Word, Excel, PowerPoint, Teams), ArcGIS, Inkscape, MagicPlot, Google Platforms, ImageJ, ArArCALC, Dedoose, MELTS, Magma Chamber Simulator, RStudio, Python, and Excel VBA. |
| **Learning Management Systems**: Desire2Learn (D2L), Moodle, Blackboard, Canvas |
| **Experience**: Gemstone faceting via UltraTec, Adobe Illustrator, handheld XRF, gINT, Aztec, USCS soil classification |

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| **PROFESSIONAL TRAINING & ORGANIZATIONS** | |
| **Registered Geologist** (OR #G2820): Fundamentals of Geology (*Pennsylvania, 2015*) & Practice of Geology (*Oregon, 2022*) | |
| **Certifications**: Unsealed Radioisotope Work (*2019*), Hydrofluoric (HF) Acid Awareness Training (*2019*), American Red Cross Adult and Pediatric First Aid CPR/AED (*2025*), 40-hour HAZWOPER (*2015*), 10-hour OSHA Construction Safety and Health (*2014*), Forklift Operation (*2022*). | |
| **Professional Organizations:** | |
| Society of Economic Geologists  Columbia Willamette Faceters Guild | *2023- present*  *2022- present* |
| Worcester Mineral Club | *2022- present* |
| International Association for Geoscience Diversity | *2019- present* |
| Women In Environment | *2017- present* |
| American Association for the Advancement of Science | *2017- present* |
| American Geophysical Union | *2016- present* |
| International Association of Volcanology and Chemistry of the Earth’s Interior | *2015- present* |
| Association for Women Geoscientists | *2015- present* |
| American Association of Petroleum Geologists | *2010- present* |
| Geological Society of America | *2010- present* |
| Boston Mineral Club | *2007- present* |

**ACADEMIC AWARDS, GRANTS, & SCHOLARSHIPS**

Pacific Section Foundation Scholarship, American Association of Petroleum Geologists *2019*

Kristovitch Award, Portland State University *2018*

Grant-In-Aid Award, Portland State University *2018*

Graduate Student Service Award, Portland State University *2018*

3-Minute Thesis, First Place Winner, Portland State University *2018*

Graduate Student Service Award, Portland State University *2017*

Best Quality Poster, Association of Engineering Geologists *2017*

Dean's Graduate Scholarship, Portland State University *2015, 2016*

Graduate Student Travel Grant, Geological Society of America *2011, 2012*

Frank Scott Graduate Fellowship, Washington State University *2011, 2012*

Graduate Research Travel Grant, Washington State University *2011*

Outstanding Senior Award, University of Delaware *2010*

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| **INVITED TALKS/ SEMINARS** | |
| University of Hawaii, Manoa | *November 2024* |
| Department of Environmental Quality (DEQ, Oregon) | *March 2024* |
| Lakeview Gem and Mineral Club | *March 2024* |
| Central Oregon Geological Society (COGS) | *November 2023* |
| University of Oregon | *May 2023* |
| Tualatin Valley Gem Club (TVGC) | *March 2023* |
| Columbia Willamette Faceters Guild (CWFG) | *October 2022* |
| University of Alaska Anchorage | *September2022* |
| Worcester Mineral Club (WMC) | *September 2022* |
| American Geosciences Institute (AGI) Leadership Forum: The Next Generation of Geoscience Societies | *March 2022* |
| Department of Geosciences, Auburn University | *September 2021* |
| Geological Society of the Oregon Country (GSOC) | *June 2021* |
| Eastern Washington University (EWU) & Ice Age Flood Institute (IAFI) | *May 2021* |
| Association for Women Geoscientists (AWG)-Northwest Geological Society (NWGS) | *November 2019* |
| United State Geological Survey Water Resource Center (USGS) | *March 2019* |
| Cascade Volcano Observatory Seminar (CVO) | *February 2019* |
| Geological Society of the Oregon Country (GSOC) | *July 2018* |
| Intel Corporation (Supercomputer team) | *May 2018* |
| Student Research Symposium and AESS/ESM Student Research Colloquium (PSU) | *February 2018* |

**CONFERENCE/ OUTREACH CONTRIBUTIONS** *(\*student presentation)*

**Cahoon, E.B.**, Heaton, D.E., Kent, A., Hudak, M., Steiner, A.R., Hames, W.E., Yost, C.R., Welch, S., Nunley, K.E., & Toney, S. 2024, Characterizing Cu-bearing Plagioclase in Oregon (Sunstones): Unique Magmatic Processes Recorded in Gemstones: American Geophysical Union Abstracts with Programs *(poster presentation)*

\*Beethe, S., Koppers, A., Jackson., M.G., Pasqualon, N.G., Harðardóttir, S., & **Cahoon, E.,** 2024, Where did you come from, where did you go, Ontong Java Plateau? Using Geochronology and Morphology Analyses of Western Pacific Seamounts to constrain Pacific APM prior to 80 Myr: American Geophysical Union Abstracts with Programs *(lightening presentation)*

\*O’Barr, S., Tattitch, B., **Cahoon, E.B.**, Dilles, J., Lukanenko, K., & Thomas, R.B., 2024, Geochemical Characterization of Lacustrine Lithology in McDermitt Caldera, OR/NV: Geological Society of America Abstracts with Programs *(oral presentation)*

Randolph-Flagg, N., **Cahoon, E.B.**, Mittal, T., & Munoz-Saez, C., 2024, Braised Ignimbrite: Intra-Caldera Ignimbrite Cooling as a Mechanism for Li Enrichment: Geological Society of America Abstracts with Programs *(oral presentation)*

**Cahoon, E.B.**, Heaton, D.E., and Koppers, A.A.P., 2024, A Compilation of Age Data for Continental Flood Basalt Provinces to Evaluate Potential for Discrete Eruptive Pulses in the Columbia River Basalt Group (CRBG): Geological Society of America Abstracts with Programs *(oral presentation)*

Streck, M.J., **Cahoon, E.B.**, McClaughry, J., & Ferns, M., 2024, Reassessing Composition and Distribution of ~44 to 17 Ma Volcanic Activity Across Oregon Bearing on the Yellowstone-Siletzia Plume Interaction Ahead of Columbia River Province Magmatism: Geological Society of America Abstracts with Programs *(oral presentation)*

Streck, M.J.; **Cahoon, E.B.;** Swenton, V. 2024, Revisiting Composition and Timing of Earliest CRBG Volcanism and Context to Later CRBG Units as well as Associated Silicic Magmatism, Cordilleran/ Rocky Mountain Sectional Geological Society of America Abstracts with Programs, Session. 3, No. 7. *(oral presentation)*

\*Nunley, K.E., **Cahoon, E.B.** Heaton, D., Yost, C., & Toney S., 2023, Argon Incremental Heating as an Identifier of Age-Related Oddities Between Plagioclase and Groundmass in Eastern Oregon: Geological Society of America Abstracts with Programs, Vol. 30, No. 53. *(poster presentation)*

\*Yost, C., **Cahoon, E.B.**, Kent, A., Toney S., & Nunley, K.E., 2023, Copper and Lithium Diffusion in Eastern Oregon Sunstones: Geological Society of America Abstracts with Programs, Vol. 30, No. 52. *(poster presentation)*

\*Toney, S., **Cahoon, E.B.**, Bindeman, I., Nunley, K.E., & Yost, C., 2023, Sunstones: A Gemstone Formed by Magmatic or Hydrothermal Processes?: Geological Society of America Abstracts with Programs, Vol. 30, No. 51. *(poster presentation)*

Konter, J.G., Duncan, B.E., Jackson, M., Koppers, A., Anderson, O., Beethe, S., **Cahoon, E.,** Casey, T., Pasqualon, N.G., Hardardottir, S., Rahalski, E., Wildrick, D., and Wyckoff, S., 2022, July. Shipboard data from West Pacific seamounts. In 2022 Goldschmidt Conference *(oral presentation)*

\*Beethe, S., Koppers, A., **Cahoon, E.,** Konter, J.G. and Jackson, M., 2022, July. Geochronology of Western Pacific Seamounts: Implications for Absolute Pacific Plate Motion Beyond 80 Ma. In 2022 Goldschmidt Conference *(poster presentation)*

**Cahoon, E.B.**, 2021, “I could never work for the enemy”: The Importance of Teaching Ethics and Environmental Racism in the Geosciences: Geological Society of America Abstracts with Programs *(oral presentation)*

**Cahoon, E.B.**, Streck, M.J., and Koppers, A.A.P., 2021, The Significance of Geochemistry and Eruptive Timing in Extending Spatial Distribution and Evaluating Stratigraphic Correlation of the Picture Gorge Basalt: Geological Society of America Abstracts with Programs *(poster presentation)*

\*Badur, C.B., **Cahoon, E.B.**, Kamenov, G., and Hames, W.E., 2021, An Exploration of Primary Native Copper in Oregon Sunstones: Geological Society of America Abstracts with Programs *(oral presentation)*

\*Fox, L., Streck, M.J., and **Cahoon, E.B.**, 2021, Identity of CRBG Lavas in the Greater Vale Area, eastern Oregon: Implications for Venting Grande Ronde Basalt (GRB) Units Locally, without Lateral Connection to Main GRB Units: Geological Society of America Abstracts with Programs *(poster presentation)*

\*Badur, C.B., **Cahoon, E.B.**, Kamenov, G., and Hames, W.E., 2020, Implications for the History of Sunstones from Southeastern Oregon from New Chemical, Isotopic, and Geochronological Data: Geological Society of America Abstracts with Programs *(oral presentation)*

**Cahoon, E.B.**, Streck, M.J., Carlson, R.W., Koppers, A.A.P, Miggins, D., 2019, Significance of Upper-Mantle Geochemical Signals of the Picture Gorge Basalt (PGB) Member in Light of an Extended Distribution and New Age Data: American Geophysical Union Abstracts with Programs *(poster presentation)*

Koppers, A.A.P, Davidson, P., **Cahoon, E.B.**, Miggins, D., 2019, HF Leaching of Volcanic Groundmass in an Effort to Reduce 39Ar Recoil in 40Ar/39Ar Dating: American Geophysical Union Abstracts with Programs. *(poster presentation)*

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