



Arizona Geological Society Newsletter

JANUARY 2022

Society Announcements

Results of the vote are in. Thank you to everyone who voted.

Here is the 2022 AGS Executive Committee:

- ◆ President – Jonathan Whittier
- ◆ Vice President of Programs – Michael Conway
- ◆ Vice President of Field Trips – Dennis Olson (resigning as AGS Councilor)
- ◆ Vice President of Marketing – Troy Tittlemier (resigning as AGS Councilor)
- ◆ Treasurer – Carson Richardson
- ◆ Vice Treasurer – open
- ◆ Secretary – Colin Campbell
- ◆ Vice Secretary – open
- ◆ Councilor (3-yr term, 2020-2022) – open for 2022 (Dennis now VP of Field Trips)
- ◆ Councilor (3-yr term, 2020-2022) – open for 2022 (Troy now VP of Marketing)
- ◆ Councilor (3-yr term, 2021-2023) – Daniel Aiken
- ◆ Councilor (3-yr term, 2021-2023) – Fred Johnson
- ◆ Councilor (3-yr term, 2022-2024) – Eric Seedorff
- ◆ Councilor (3-yr term, 2022-2024) – Ralph Stegen

We hope you are all as excited for 2022 as we are. We are organizing two field trips and have speakers for several of our monthly meetings already lined up. We will be sending out announcements for these upcoming events very soon.

Cheers,
Jonathan
2022 AGS President

If you are interested in sponsoring future AGS virtual meetings, please contact:

secretary@arizonageologicalsoc.org

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Member News

2021 Scholarship Recipients

J. Harold Courtright Scholarship



Eytan Bos Orent,
Post-Graduate Student, University of Arizona

M. Lee Allison Scholarship



Lauren Reeher,
Post-Graduate Student, University of Arizona



Directory of Arizona's Active Mines-FY2021

Arizona Geology Blog

06 January 2022

AZGS' Open-File Report '[Directory of Active Mines in Arizona: FY2021](#)' documents 433 active, full-time mines or development projects in the state of Arizona. Mines come in all shapes and sizes, from small sand and gravel operations providing materials for local road maintenance and construction to the large open-pit copper mines, such as Morenci and Ray.

Of these 433 active mines/projects, 294 are aggregate facilities that include products such as sand and gravel. The second largest category is that of building stone, with 67 sites, and includes products such as decorative stone and flag stone. The third is metallic mines/development projects, with 27 sites. The remaining categories (e.g., gypsum, cinders, uranium) account for only ~10% of all active mine sites.

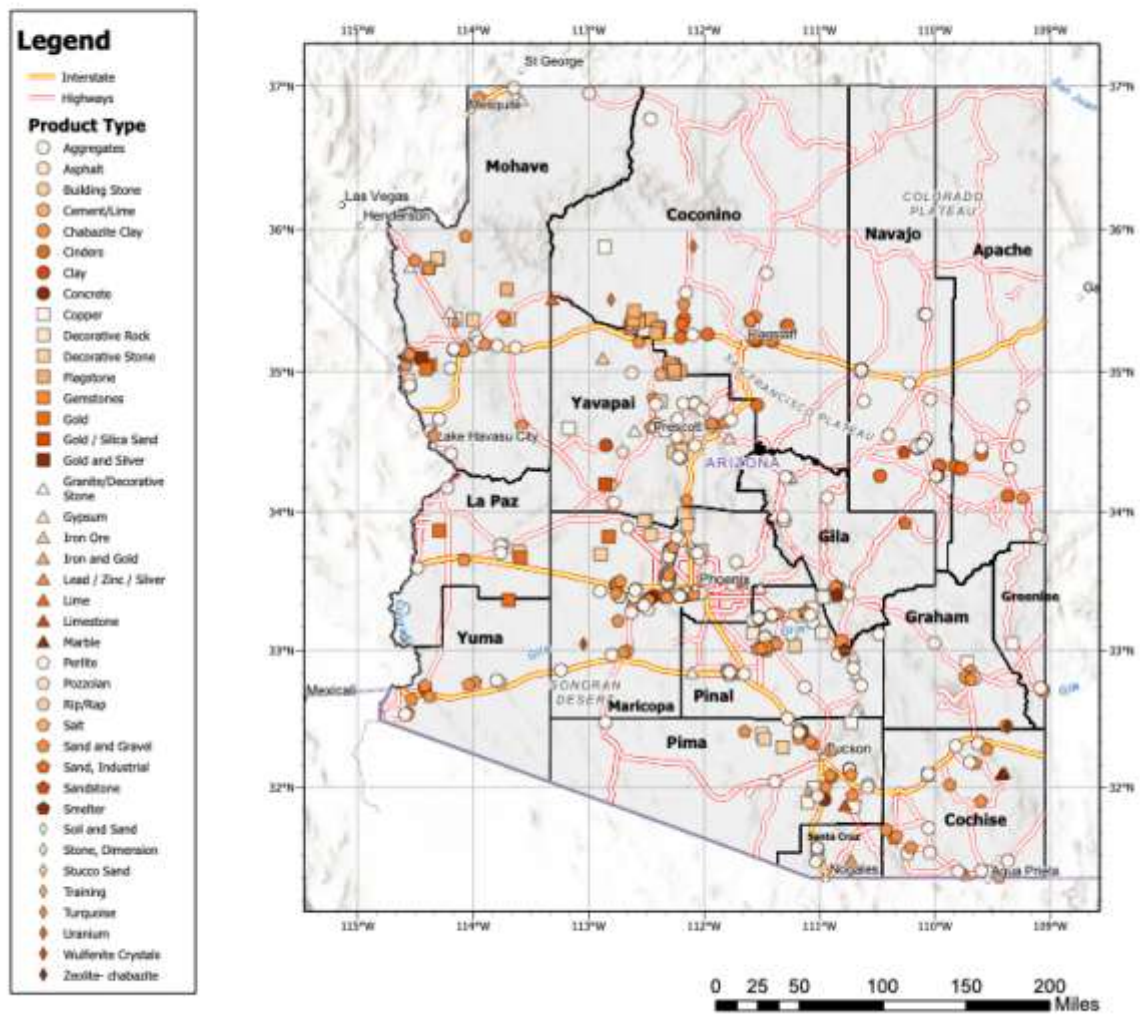
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2020 Mineral Attractiveness and Production

In 2020, Arizona was ranked the 2nd most attractive region in the world for mining and exploration by the Fraser Institute (Arizona ranked 9th in 2019), which considered both geologic attractiveness and favorable government policies.

Arizona is one of twelve U.S. states to produce more than \$2 billion worth of principal nonfuel mineral commodities (i.e. cement, copper, molybdenum concentrates, sand and gravel, and stone). Arizona's production of non-fuel mineral commodities yielded \$7.03 billion dollars accounting for 8.54% production in the U.S.; second only to Nevada (\$9.140 billion accounting for 11.10% of U.S. production). In 2020, Arizona was the leading copper producing U.S. state accounting an estimated 74% of domestic output.

Plate 1. Active Mines in Arizona 2021



Values for 2021 mineral production should be forthcoming from the US Geological Survey in the 1st quarter of 2022.

Open-File Report-21-06 contents

- Text: 4 pages that include pie-diagrams illustrating commodity types and ranking.
- Excel file: With data for 433 mines – state ID number, name, location, company, product, commodity type;
- 7 Map plates: Statewide and by county or counties;
- [**Interactive active mine map viewer**](#)

This directory is a joint product of the Arizona Geological Survey and the Arizona Mine Inspector's Office.

References

Stedman, A., Yunis, J., and Aliakbari, E., 2020, Annual Survey of Mining Companies 2019: Fraser Institute, Vancouver, British Columbia, 80 p

Garcia, V.H., Swartzbaugh, L., Evans, T., Richardson, C.A. 2021, Directory of Active Mines in Arizona: FY2021. Arizona Geological Survey Open File Report, OFR-21-06, v.1

USGS Mineral Commodity Summaries 2021 (for non-fuel mineral production by state in 2020)

Posted 1/6/2021 by Victor Garcia (AZGS)



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AGS MEMBERSHIP APPLICATION OR RENEWAL FORM

YOU CAN RENEW OR SIGN UP as a new member and pay online. Please go to our website, arizonageologicalsoc.org. Or use the form below if you are more comfortable with the old school approach.

Please mail check with membership form to: Arizona Geological Society, PO Box 40952, Tucson, AZ 85717

Dues (check box) 1 year: \$35; full-time student (membership is free)

NEW MEMBER or RENEWAL? (circle one) Date of submittal _____

Name: _____ Position: _____

Company: _____

Mailing Address: _____

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All newsletters will be sent by email. If you do not have an email address, we will mail a hard copy to you, but we cannot guarantee timeliness.

If registered geologist/engineer, indicate registration number and State: _____

Enclosed is a _____ tax-deductible contribution to the J. Harold Courtright or the M. Lee Allison Scholarship Funds.