# SUMMARY

Execution focused geologist performs asset valuations for federal oil, gas, non-energy leasable minerals, and geothermal energy to answer complex royalty calculation questions from various stakeholders and government agencies, currently with the Office of Natural Resources Revenue. Has adapted his experience gained in the service of his country as a two-tour Marine Corps intelligence analyst, into designing core intelligence reports specifically pertaining to a litany of geological valuation projects for both the private exploration and production segment of oil and gas, as well as for the Bureau of Land Management. Eight years of geologic, geophysical, and geospatial experience. Specific expertise helping project teams convert static data, supposition, and information into actionable plans and completion.

Core Competencies: IHS Kingdom, SonarWiz, ArcMap, ArcPro, LR2000, MLRS, Autocad, Carlson, NEPA analysis, geological field inspections, project management, conflict resolution, marine geophysical site characterization, and DoD analysis programs, Microsoft Suite.

**EMPLOYMENT**

**Office of Natural Resources Revenue**

*Geologist*, March 2023 – Present

Royalty Valuation Team B

* Provide expert guidance to internal ONRR audit staff regarding complex energy and mineral valuation topics.
* Prepare written and oral presentations for civilian and government entities teaching basic to advanced valuation techniques and methods, including responding to federal royalty valuation inquiries covering a range of topics.
* Engage with private stakeholders to ensure accurate and timely royalty payments occur.
* Representative of agency goals at external private and federal conferences.
* Assisted in development of agency regulation and policy decisions.

**Bureau of Land Management**

*Geologist*, Aug 2019 – March 2023

*Non-Energy Leasable and Mineral Materials Utah Program Lead*

* Oversee and process mineral leasing actions including complex mining and exploration activities.
* Prepare written and oral presentations for civilian, government, and international clients on diverse mineral topics.
* Prepare monthly minerals training consultations to Field Office geologists via video conference software to improve overall minerals knowledge in Utah BLM offices
* Act as a professional guide and mentor for junior BLM Utah field geologists, archaeologists, and other professionals.
* Give subject matter expertise to the Utah State Director regarding ongoing solid mineral project liabilities.
* Develop geologic mineral reports to develop site characteristics for an area prior to mineral exploration or development of an area.
* Utilized Carlson, AutoCAD, and GIS software to review geologic data and mining plans.

*Salt Lake Field Office Minerals Program Lead* and *Cave & Karst Program Manager*

* Work with interdisciplinary teams to perform environmental analysis compliant to the National Environmental Policy Act as well as respective laws, regulations, and statutes for local, state, and federal government projects.
* Conduct inspections, issue permits, and develop management strategies as the Cave and Karst Program Manager for the BLM Salt Lake Field Office.
* Conduct compliance inspections for saleable, locatable, and leasable minerals and energy resources.
* Process federal minerals permits and applications for saleable, locatable, and leasable minerals/energy resources.
* Review mining Plans of Operations and Notices within regulatory timelines.
* Utilize geospatial software to prepare maps for members of the public as well as federal, state, and local entities.

**Fugro USA Marine, Inc.**

*Staff Geoscientist,* Jan 2018 – July 2019

* Perform site characterization for creation of geohazard reports, exploration plans, cross sections, pipeline routes, and charts for submission to federal agencies on behalf of a variety of clients.
* Review and interpret raw and processed geophysical data to include data collected from: side-scan sonar, magnetometer, sub-bottom seismic profile, underwater vehicle photography, geotechnical sediment core data, and other forms of data related to marine site characterization.
* Utilize IHS Kingdom, SonarWiz, ArcMap, ArcPro, Oracle, and proprietary software suites to create geophysical site characterization reports.
* Advise high-profile oil and gas exploration companies, government agencies, and engineering firms during large-scale developmental projects.
* Operated in offshore environments as an on-site geophysical analyst for up to 6-week periods on offshore wind, oil and gas, and engineering projects.
* Wrote detailed and structured geologic reports while consistently adhering to strict deadlines.

**UCSD Scripps Institution of Oceanography**

*Undergraduate Research Fellow,* Jun 2017 – August 2017

* Competed for and earned acceptance as an intern into prestigious Scripps Undergraduate Research Fellowship (SURF) in the lab of Dr. Richard Norris at Scripps Institution of Oceanography.
* Research used towards development of a professional, peer-reviewed scientific paper presented at the American Geophysical Union 2018 Conference.

**United States Marine Corps**

*Intelligence Analyst*, Jul 2009 – Apr 2014

* Interpret and properly disseminate classified and unclassified military intelligence reports to multiple ranks of military service members, civilian contractors, and cleared foreign military agencies.
* Prepare written and oral presentations in multiple formats in office and field settings with varying timelines and levels of information required for proper dissemination.
* Supervise and mentor approximately 40 enlisted Marines in daily division-level (large-scale) intelligence operations as a Platoon Sergeant.

# EDUCATION

**Texas A&M University,** B.S. in Marine Science with a Minor in Geology, 2017 GPA: 3.62, Cum Laude

**REFERENCES**

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| --- | --- | --- | --- | --- |
| **Name** | **Title/Organization** | **Phone Number** | **Email** | **Relationship** |
| Jonathan Fairbairn | Supervisory Mineral Valuations Specialist | (303) 231-3337 | [Jonathan.fairbairn@onrr.gov](mailto:Jonathan.fairbairn@onrr.gov) | Prof, current supervisor. |
| Teresa Snyder | Solid Minerals Branch Chief/BLM | (801) 539-4026 | tsnyder@blm.gov | Prof, BLM supervisor. |

*Additional References Available Upon Request*