

Daniel Brewer

Hydrogeologist

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SUMMARY

Dedicated Hydrogeologist with over five years of expertise in groundwater studies and dewatering strategies. Proven track record managing hydrogeological investigations, designed to address mine planning needs while ensuring compliance with environmental regulations. Experienced in leading field activities to gather critical hydrogeologic data, operationalizing findings through effective collaboration with multidisciplinary teams. Proficient in advanced hydrogeologic software tools, translating complex technical outcomes into actionable recommendations for stakeholders. Enthusiastic about contributing to sustainable mining practices and promoting environmental stewardship within the industry.

EXPERIENCE

Hydrogeologist

Blue Mountain Resources 📅 June 2021 - Present 📍 Huntsville, AL

Oversee groundwater studies and hydrogeological assessments for various mining projects, ensuring adherence to operational and regulatory standards. Foster collaboration between engineering and geology teams for accurate integration of hydrology data into mine plans. Lead technical reporting and presentations to guide decision-making processes concerning environmental compliance.

- Conduct hydrogeological investigations critical for compliance with state regulations.
- Effectively developed dewatering strategies resulting in improved site safety.
- Managed diverse field operations including well installations and water monitoring activities.
- Produced comprehensive technical reports influencing project approval processes.
- Collaborated vigilantly with cross-functional teams enhancing integrated project delivery.
- Cultivated relationships with regulatory agencies facilitating timely groundwater permits.

Hydrogeologist

Greenfield Mining Solutions 📅 August 2018 - May 2021 📍 Birmingham, AL

Led groundwater modeling and analysis efforts aimed at optimizing large-scale mining operations. Managed field teams executing hydrogeological assessments while adhering to stringent quality and safety standards. Developed hydrogeochemical models that informed project evaluations.

- Performed extensive qualitative and quantitative analyses supporting operational mandates.
- Directed field assessments synthesizing tracking protocols with rigorous quality assurance.
- Monitored procurement processes with contractors tracing output efficiency measures.
- Innovated training sessions on groundwater legislation improving team capability framework.
- Engaged directly in stakeholder outreach relaying technical insights concisely.
- Spearheaded risk assessment initiatives highlighting potential groundwater hazards.

Junior Hydrogeologist

Redwood Geosciences 📅 May 2016 - July 2018 📍 Mobile, AL

Assisted senior staff in executing thorough hydrogeological investigations pertinent for mining permit requisites. Contributed essential data analyses and engaged with local stakeholders reviewing technical findings.

- Facilitated designs of dewatering systems based on empirical data and observed field conditions.
- Collaboratively prepared submissions of technical documents adhering to regulatory demands.
- Supported ground sampling initiatives focusing on optimizing methods for safety compliance.
- Contributed substantively during data interpretation meetings clarifying model implications.
- Culled stakeholder engagement for clear project insight communications minimizing misconceptions.

LEADERSHIP & AWARDS

- 2021 Certified Hydrogeologist, National Ground Water Association
- 2020 Best Practices Award, Blue Mountain Resources

EDUCATION

Bachelor of Science in Hydrogeology

University of Alabama 🎓 GPA: 3.8 📅 2016 📍 Tuscaloosa, AL

Coursework: Groundwater Modeling, Environmental Compliance, Hydrographic Surveys, Data Analysis

CERTIFICATIONS

- Certified Hydrogeologist 📅 2021
- OSHA HAZWOPER Certification 📅 2020

TECHNICAL SKILLS

- **Hydrogeologic Software:** MODFLOW, AQTESOLV, Leapfrog Hydro
- **Field Investigation Tools:** Water Level Loggers, GPS, Zone Pumps
- **Technical Documentation:** Technical Reports, Presentations, Project Proposals
- **Environmental Regulations:** Clean Water Act, NEPA, State Regulations
- **Data Analysis Technologies:** ArcGIS, MATLAB, MS Excel
- **Safety Protocols:** Site Safety Plans, Risk Assessments, HAZCOM
- **Project Management Platforms:** MS Project, Trello, Asana
- **Sampling Techniques:** Soil Sampling, Water Sampling, Groundwater Testing
- **Reporting Standards:** EPA Guidelines, ASTM Standards, ISO 9001
- **Collaboration Tools:** Microsoft Teams, Slack, Google Drive

SKILLS

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|-------------------------|----------------------------|--------------------------|------------------------|
| • Groundwater Modeling | • Environmental Permitting | • Team Collaboration | • Risk Assessment |
| • Dewatering Systems | • Technical Reporting | • Stakeholder Engagement | • Quality Assurance |
| • Data Interpretation | • Field Investigations | • Project Management | • Software Proficiency |
| • Regulatory Compliance | • Hydrogeochemistry | • Soil Sampling | |

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers
- Board Member, Hydrogeology Division

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST