

BRIAN R. CELLURA

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Summary – Senior Geosciences Professional/Exploration Manager

As a highly experienced Geosciences Professional with approximately 20 years of critical domestic and international geological experience, I quickly provide tremendous client and organizational value. As a results oriented highly accomplished team focused colleague I excel at analyzing and synthesizing key information to identify, build and present high value projects. I relish opportunities to innovate and drive operational excellence and continuous improvement initiatives to ensure project cost and controls are met while maximizing target generation. With a broad skill, set gained in industry blended with advanced education and continuing coursework I stay abreast of industry changes and provide critical insight driving actionable business decisions.

For an expanded list of professional experience, coursework, publications and accomplishments please visit www.celluriansci.com

Key Skills

GIS	3D Modeling	Data Quality
Geologic/Geochemical Mapping	Advanced Technical/Computer Skills	Risk Assessment
Exploration Programs	Executive Presentations	Joint Ventures
Data Management	On/Off Shore Geophysical Data Review	Structural Interpretation
Biostratigraphic Studies	Advanced Communicator	Leadership/Coaching
Remote Sensing Processing	Database Management	Spectral Geology/Imagery

Professional Experience

Newmont Mining Corporation, Elko, Nevada

2016 – present

Exploration Manager: Twin Creeks Mine/ Potosi District, Nevada

Relied on by the company to carry out and manage, highly technical exploration studies including various spectral, remote sensing, geochemical and geophysical surveys, managed multimillion-dollar budgets, and supervised direct reports. Successfully delivered exploration targets, identified and developed structural/alteration domains and helped to resolve stratigraphic issues on projects throughout the Twin Creeks Region and the greater Potosi District along the Getchell Trend.

- Accountable for proactively developing, executing and managing all aspects of, the Brownfields and Greenfields exploration program for the Twin Creeks Mine area and surrounding districts, successfully generated exploration targets for the region.
- Accountable as a senior Remote Sensing subject matter expert with multiple successes such as developing regional remote sensing multi and hyperspectral programs as well as incorporating hyperspectral imaging of core for all programs across Nevada.
- Accountable as a senior GIS subject matter expert with multiple successes such as developing a GIS database infrastructure, GIS/Data compilations for the district.
- Successfully carried out detailed and regional stratigraphic and structural reconstruction projects using biostratigraphic and stratigraphic methods to redefined models for exploration project and target generation throughout the region.
- Successfully develop regional prospectivity methodologies utilizing various datasets, to expedite and enhance regional exploration programs.
- Developed and targeted near mine drilling programs that successfully intersecting .25-.30 Million oz. Au with in the district.

Newmont Mining Corporation, Elko, Nevada

2014 – 2016

Contract Project Geologist and Stratigrapher

Several documented successes in key areas such as project management of mapping, biostratigraphic, stratigraphic and structural interpretation in the Southern Tuscarora. Responsible for developing processing techniques which led to higher quality data and altered previously interpreted models for enhanced target generation. Proactively collaborated by partnering with company geologist on various projects and presenting innovative ideas to resolve stratigraphic order of units through the use of biostratigraphic methods to aid in structural interpretation for projects.

- Key accomplishments included successfully sampling and dating units within the upper plate of the allochthon to develop detailed stratigraphic columns for units throughout the project area. In addition, developed a project scale structural interpretation to incorporate in a regional structural model.
- Successfully detailed biostratigraphic/stratigraphic reconstruction of allochthonous units in the Roberts Mountain fold and thrust belt in Northern Nevada.

Cellurian Sciences LLC, Elko, Nevada**2000 – 2006 & 2013 - 2016*****Principal Geoscientist***

Relied on by clients to carry out advanced and highly technical studies including various spectral, ground, air and sea exploration surveys. Successfully delivered exploration targets, identified and developed structural domains and refined detailed stratigraphic columns to resolve stratigraphic issues on projects throughout the Carlin and Battle Mountain-Eureka Trends. Accountable for proactively managing exploration programs domestically and internationally in North and South America, Australia, New Zealand, West Africa and Turkey.

- Excel at proactively managing complex and highly technical projects. Key responsibilities include; providing client technical/HSSE representation for off shore surveys, oversee the management of policies and procedures for field crews and domestic and international survey and exploration programs.
- Accountable as a senior GIS subject matter expert with multiple successes such as developing a GIS database infrastructure, GIS/Data compilations, programming and mobilization of GPS/GIS hardware & field units.
- Successfully carried out detailed and regional stratigraphic and structural reconstruction projects using biostratigraphic and stratigraphic methods to redefined models for exploration project and target generation.
- Responsible for developing a methodology and survey techniques for mercury gas sampling to locate buried deposits.

Emblem Exploration Services LLC, Uruguay, South America**2014 – 2015*****Data Quality Control Geoscientist***

In a highly results oriented role successfully completed key initiatives including a 4-5 month survey off the coast of South America. Key duties included providing HSE support and technical oversight, project and data evaluations and guidance, survey management, database construction, 3D/GIS support and cartography.

- Provided advanced client focused representation and was responsible for project oversight on technical specifications/limits for operations in an off shore environment.
- Successfully completed over 3200 linear kilometers of CSEM towing and deployed and recovered over 500 receivers in water depths ranging from 500-3500 meters.

Whitestone Associates Hydrogeological Services, Gunnison, Colorado**2014 – 2014*****Senior Geologist/GIS Manager***

Accountable for actively leading a team of GIS/CAD professionals performing mapping, drafting, data analysis and 2D & 3D visualization of geologic, geochemical and environmental data. Relied upon to provide geological support and expertise for regional geologic evaluation.

- Responsible for generating a 3D regional geologic model for the Bear Lake area, Southeast Idaho that encompassed a detailed project model for the Agricom Paris Hills Phosphate Mining project.
- Drew upon refined data analysis skills to generate data maps and figures for technical reports and presented 2D & 3D model outputs from various hydrologic and hydro-geologic models.
- Leveraged key software applications including GIS ESRI suites 3D Modeling using Leapfrog 3D log and borehole display, Grapher, Strater, Surfer, Global Mapper and Microsoft Office (including Access).

Miranda Gold II Columbia Suc/Miranda USA Inc., Elko, Nevada/Columbia, South America**2010 – 2014*****Generative Manager/Country Manager***

Successfully built a start-up exploration program from concept to execution with the goal of identifying precious metal opportunities in Columbia, South America. Track record of driving operational excellence initiatives leading to key cost and resource savings. In a leadership role actively drove efforts to gather, analyze and quality control technical data. Additional high value tasks involved legal representation, Joint Venture partnership liaison and driving training & educational efforts.

- Successfully developed and executed remote sensing processing techniques leveraging imaging technology used in inaccessible or heavily vegetated areas. Key accomplishments include the **identification of over 80 exploration targets** and significantly lowering exploration cost and related organizational expenses.
- Responsible for the development of a unique processing technique utilizing spectral imagery to refine exploration areas resulting in a **70% success rate** warranting further development.
- Counted on to establish field offices and led geologic, evaluation and project team.
- Leveraging highly skilled data management skills delivered on database system development and associated reporting, data collection and project evaluations.
- Deposit Styles and Geologic Environments Studies include; Porphyry, Carbonate Replacement, Volcanic Sediment, Mesothermal and Epithermal veins.

Miranda USA Inc., Elko, Nevada**2004 – 2014*****Senior Geologist/Generative Manager***

Accountable for operational oversight and leadership of all technical and operational aspects of both domestic and international exploration programs. Instilled a leading edge culture of innovation by successful implementations and uses of new technologies and techniques.

- Responsible for input, guidance or execution of several key corporate areas including; company startup, staffing and recruitment efforts, data analysis, training/education, Joint Venture oversight, field/project/geologic evaluation
- Successfully expanded and improved advanced mercury techniques, O₂/CO₂ sampling techniques, X-Ray fluorescence (XRF) data collection.
- Drawing upon critical technical proficiency, developed and proved methodology for Hg gas sampling in and around Au deposits and leveraged methodology as an exploration technique for target generation.

AOA Geomarine Operations, San Diego, California, Africa, Brazil
2004 – 2005***Database Manager and Crew Chief***

Acting in a key leadership position responsible for a team of 6 direct reports actively provided daily guidance and direction. Key accomplishments included deploying and recovering receiver survey equipment in an open deck and open ocean. In addition, successfully **implemented HSSE procedures that resulted in zero incident reports** and no lost time during supervisory tour.

- Active HSSE leadership role responsible for defining and outlining guidelines for additional safety regulations.
- Accountable for maintenance deployment and recovery in addition to procedures related to mobilization of receivers and source instruments in an open ocean environment of water depths ranging up to 3,000 meters.
- Relied upon to provide advanced GIS mapping and client assistance.

Cortez Gold Mines, Crescent Valley, Nevada
2001 – 2004***Generative Consulting Geologist***

Relied upon for mapping and stratigraphic and structural reconstruction in the Shoshone and Cortez Ranges. Key reconstruction successes aided in the **discovery of a 12.3 Million oz Au deposit**. Successfully implemented a new digital data logging procedures that led to improvements in synchronizing digital logging and real time cross section and log output.

- Delivered both regional and projected related biostratigraphic studies throughout the Cortez and Shoshone Ranges and Roberts Mountains in central Nevada. Study focused on breaking out undifferentiated Ordovician to Devonian strata seeking out structurally complex domains where structures could be traced into lower plate rocks for exploration targets.
- Responsible for producing regional and project scale biostratigraphic studies using radiolarians, conodonts and graptolites in an effort to aid in exploration targets.
- Deposits Styles and Geologic Environments Studied include Carbonate Replacement and Sediment hosted.

Uranerz U.S.A Inc., Reno, Nevada
1996 – 1998***Junior Geologist***

Performed critical drilling and geochemical studies on the Ren project which aided in the **discovery of 1.9M/oz Au and 1.0M/oz Au** from the Nike deposit.

- Successfully used exploration techniques involving; soil grids, geochemical analysis, drilling, logging, mapping, surveying and ground magnetic surveys.
- Accountable for additional key tasks such as crew supervision ensuring and driving a high performance team mindset.

Education, Certifications

MASTER OF SCIENCE, Geology**2004**

University of Nevada

Thesis: Geology focusing on the stratigraphy and biostratigraphy of the Roberts Mountains Allochthon.**Graduate Studies:** Biostratigraphy and Structural Geology in the Marys Mountain Area, Carlin Trend, Eureka County, Nevada.**BACHELOR OF ARTS, Geology****1995**

Western State of Colorado

Coursework Focus: Geology focus on the Colorado Plateau Stratigraphy.

CERTIFICATIONS

HUET: Open ocean safety certificate including under water helicopter escape certification**BOSIET:** Basic Offshore Safety Introduction and Emergency Training – 5700**NOLS:** Wildernesses first aid training

Software & Technical Equipment

Remote Sensing: ENVI; 3D Modeling: Leapfrog, Geographic Information Systems (GIS): ESRI ArcMap/ArcPad, MapInfo, Global Mapper; Microsoft Office (including Access) Adobe Acrobat, Illustrator, Photoshop, Golden Software: Grapher, Strater, Surfer; GeoSoft: Target, Moderate experience with SQL, Vulcan, Aquire, currently training with Python

Technical Equipment Proficiency: X-Ray fluorescence Scanner, Scanning Electron Microscope, Lumiex Hg (Mercury) Meter, Deepwater Electromagnetic receivers, Ground Magnetics magnetometer, ASD spectrometer for ground spectroscopy, Archer and Trimble Portable GPS/GIS