

# British Columbia's Most Northern Emerging District Scale CRD-Porphyry Project

**CORPORATE PRESENTATION APRIL 2024** 

TRADING SYMBOLS CSE:CC | FSE:5RJ | OTC.QB:CCOOF

# **Forward Looking Statements**



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The assumptions are those that management believes are significant to the projection. Some assumptions may not materialize and unanticipated events and circumstances may occur subsequent to the date of this projection; therefore, the actual results achieved during the projection period may vary materially from the projections. This projection is based on our assumptions and there is a major risk that actual results will vary, perhaps materially, from the results projected.

Management does not intend to update this projection subsequent to its issue.

The technical portion of this presentation has been reviewed and approved by Nicholas Rodway, P.Geo, (License # 46541 and Permit to Practice #100359) President and Chief Executive Officer of Core Assets Corp., a qualified person as defined under National Instrument 43-101.

# **Core Assets Capital Structure**



#### **Insider Alignment**

Insiders collectively hold 16% of the shares outstanding.

Capitalization Structure Millions; excluding share price	
Basic Shares Outstanding	127.11
Warrants	33.17
Options	7.69
Fully Diluted Shares Outstanding	167.97
Current Share Price <sup>1</sup>	\$0.13
M. L. G. V. P	\$16.52
Market Capitalization	\$10.52

<sup>&</sup>lt;sup>1</sup>As of April 22, 2024



## **Management Team**





Nick Rodway, P. Geo
FOUNDER, CHIEF EXECUTIVE OFFICER, PRESIDENT

Mr. Rodway is a registered Professional Geologist. Mr. Rodway holds a Bachelor of Science in geology at Memorial University of Newfoundland and a Masters Degree at Queens University in Earth and Energy Resource Leadership. He has spent over 10 years working with Canadian exploration companies.

Nick Specializes in project generation and project financing. He is also a Director on several other publicly traded exploration and mining companies.



Monica Barrington VICE PRESIDENT, EXPLORATION

Ms. Barrington is an Atlin-based exploration geologist with a Bachelor of Science (Honors) Degree in Earth Sciences from Memorial University of Newfoundland. She holds a combined 9 years of experience in research and mineral exploration in Eastern Canada, as well as the Golden Triangle and Atlin Mining Camp of northwest British Columbia. Prior to joining the Core Assets team, Ms. Barrington was employed as Senior Project Geologist with Brixton Metals Corporation where her work focused on the advancement of their porphyry-epithermal and orogenic gold targets in British Columbia.



Jody Bellefleur, CPA, CGA
CHIEF FINANCIAL OFFICER

Ms. Bellefleur is responsible for all aspects of regulatory financial reporting including the preparation of quarterly and annual financial statements, management discussion and analysis reports, and government tax and regulatory reporting.

Jody has over 20 years' experience as a corporate accountant. Since 2008, she has exclusively been involved in providing services to both public and private companies in the junior mining sector.



Joshua Vann
VICE PRESIDENT, BUSINESS DEVELOPMENT & STRATEGY

Mr. Vann joined Core Assets Corp. in March 2022 after working in Equity Research at PI Financial on the Special Situations Team. He has experience working in corporate development for publicly and privately listed companies in the natural resource sector. Joshua also brings experience working in Investment Banking across a number of industries including healthcare, technology, and mining. Joshua holds a Bachelor of Commerce from McGill University with a Major in Finance.

# **Board & Advisory Team**





## Andrew Carne, P. Eng

Mr. Carne holds has over 10 years of experience ranging from fieldwork to permitting, government relations, metallurgical test work, and management of complex engineering studies. He holds both a Bachelor of Applied Science in Materials Engineering and Master of Engineering in Project and Construction Management from the University of British Columbia. Mr. Carne is currently the VP Corporate & Project Development for ATAC Resources Ltd., and is the Vice-President of the Yukon Chamber of Mines.



## Sean Charland DIRECTOR

Mr. Charland is a seasoned communications professional with experience in raising capital and marketing resource exploration companies. His network of contacts within the financial community extends across North America and Europe. Mr. Charland also serves as a Director of Maple Gold Mines Ltd., Arctic Star Exploration Corp., Eyecarrot Innovations Corp. and Voltaic Minerals.



## Marcus Adam, P. Geo TECHNICAL ADVISOR

Mr. Adam has over 10 years experience in exploration and mining. He was part of the team that discovered and delineated the Deep Kerr and Lower Iron Cap deposits at the KSM project for Seabridge Gold, Since 2016, he has had responsibility for designing and conducting exploration programs for Seabridge at the Iskut project, an epithermal-porphyry hydrothermal system in the Stikine assemblage. Mr. Adam has exploration experience for Seabridge Gold across a variety of deposit types in the Northwest Territories, Nevada and the Yukon, He is Professional Geologist registered in British Columbia. He holds an MSc. in Geology from Western University and a BSc. in Geological Sciences from the University of Leeds.



Joel Faltinsky

Mr. Faltinsky holds a Bachelor of Engineering, Electrical & Electronics from James Cook University and has over 8 years experience working in the mining and resources sector.

He has experience in operations, engineering, project management, and investor relations, in Australia and Canada, with companies including BHP Billiton, BHP Mitsubishi Alliance (BMA), Anglo American, Glencore and Peabody.



David Gower, P. Geo

Mr. Gower holds a Bachelor of Science degree in Geology from St. Francis Xavier University in Nova Scotia and a Master of Science degree in Earth Sciences from Memorial University of Newfoundland. He has been active in the mineral industry for over 30 years, including positions with Noranda Inc. (now Glencore Canada Corporation) as Manager of Atlantic Canada Exploration, and at Falconbridge Ltd. Mr. Gower has been involved in numerous discoveries and mine development projects including at Raglan, Mattagami and Sudbury. Canada, as well as greenfield discoveries in Brazil and Tanzania. He currently serves as the Chief Executive Officer of Emerita Resources Corporation and as a director of Alamos Gold and Exploits Discovery Corporation.

# **Core Assets Investment Highlights**



#### **Great location for discovery**

Located in one of the last unexplored areas of BC's prolific Stikine Terrane and more easily accessible than other projects located to the south within the "Golden Triangle".

## District scale land package with significant exploration upside

Commanding and wholly owned 1,140 km² district scale land position in British Columbia's prolific Atlin Mining District.

## Large high-grade surficial expressions of mineralization with favourable geological elements

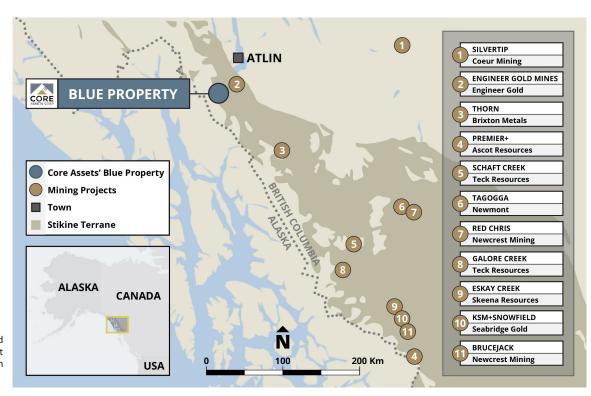
The Blue Property contains one of the largest and highest grade documented surficial expressions of any early stage CRD project, with indications of a potential large porphyry feeder stock nearby.

#### World-class Porphyry-CRD-Skarn deposit potential

The Project continues to display characteristics like that of the largest Porphyry-CRD systems globally and covers the full mineralization spectrum from Cu-Mo porphyry through to Ag-Pb-Zn carbonate replacement over a 6.6km by 1.8km mineralized area.

#### Successful inaugural exploration programs

All drill holes completed at the Silver Lime Project in 2022 intersected skarn and chimney-style massive sulfide carbonate replacement deposit (CRD) feeders and the 2023 program successfully defined a >2.4km mineralized trend.



## **Location & Infrastructure**



Core Assets holds **100% ownership** of the Blue Property which encompasses both the **Silver Lime Porphyry-CRD** Project and the **Laverdiere Skarn-Porphyry** Project located 15 km apart.

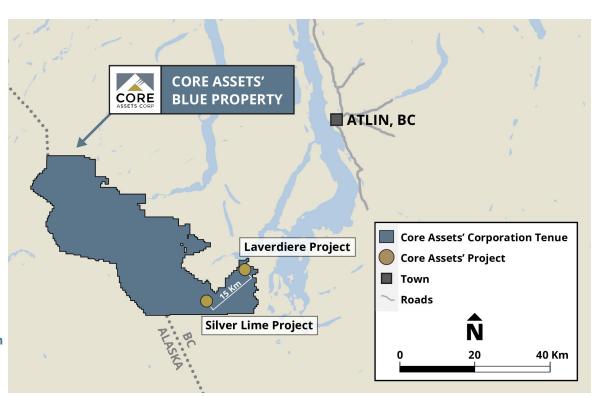
**1,140** km² district scale contiguous land position in British Columbia's prolific Atlin Mining District.

**Located 48 km southwest of Atlin**, British Columbia (accessible all-season).

Atlin & Tagish Lakes provide **cost effective exploration mobilization** and potential low cost ore transportation.

All mining services available in Atlin including accommodations, heavy equipment, and transportation.

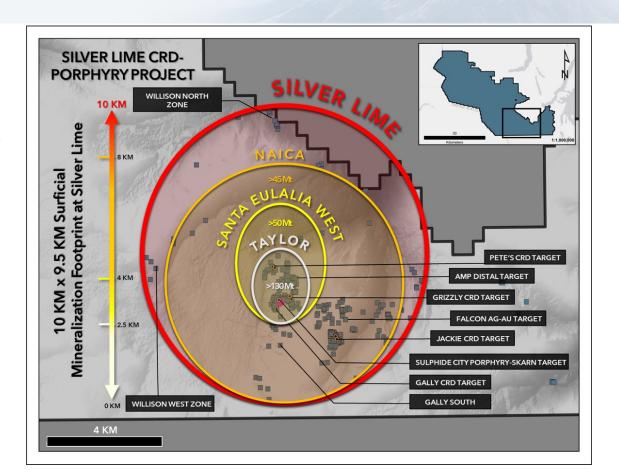
All other services available in **Whitehorse located 170 km** north which is highway accessible.



# **Surficial Mineralization Comparison**



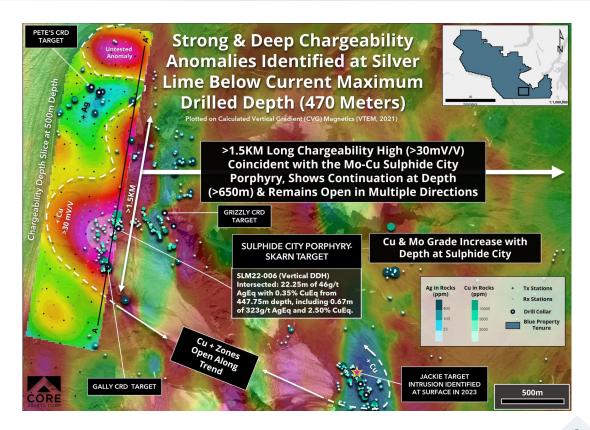
- The Silver Lime Project has an extremely large surficial expression of CRD mineralization, extending over an area of 10 km by 9.5 km.
- The current mineralized footprint is much larger than many of the world's largest CRD deposits.



# **2023 Exploration Program**



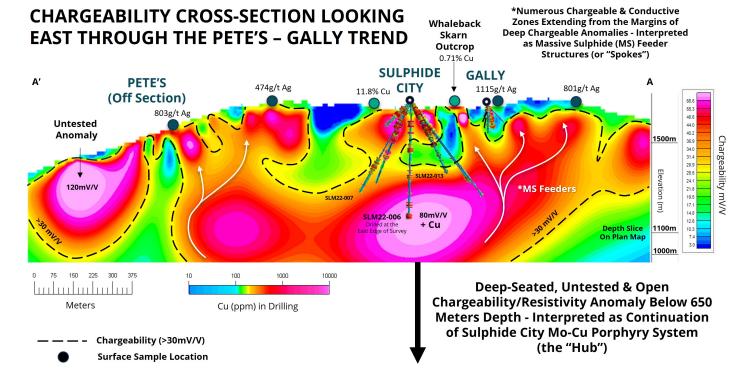
- The 2023 exploration program proved the large extent of the Silver Lime system and defined additional targets.
- Results from the most recent drilling show strong evidence for the presence of mineralization styles spanning the full Porphyry-CRD spectrum across the Silver Lime Project.
- The results prove that the substantial silver, lead, and zinc grades observed at surface continue along trend and with depth.
- High-grade 2023 drilling results prompted the execution of a 3D DCIP survey over the mineralized corridor from the Gally Target to the Pete's Target. The survey identified several large-scale untested geophysical anomalies which are going to be drilled in the upcoming field season.



# **3D-DCIP Geophysical Survey**



- The 3D-DCIP survey identified two large and significant deep-seated porphyry targets which are prime drill targets for 2024.
- Copper mineralization is increasing at depth as evidenced by SLM22 - 006 which intersected the top of the chargeability anomaly and returned 0.67m of 2.5% CuEq<sup>1</sup> at the end of the hole.
- The anomalies remain open for exploration at depth and in multiple directions.

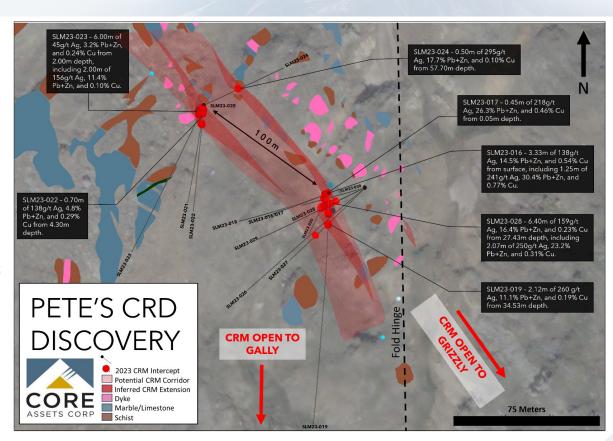


<sup>&</sup>lt;sup>1</sup>Assay results are presented as uncut weighted averages and assume 100% metal recovery. Copper equivalent (CuEq) grades are calculated using metal prices of silver US\$21.25/oz., gold US\$1,850/oz, copper US\$4.00/lb, lead US\$1.00/lb, molybdenum at US\$30.00/lb, and zinc US\$1.40/lb. See News Release dated: March 29, 2023

# Pete's Target - Expanding the System



- Drilling at Pete's confirmed a new at surface CRD discovery consisting of multiple highgrade zones over 10 separate drill holes.
- SLM23-028 intersected 6.40m grading 159g/t Ag, 8.7% Pb, 7.7% Zn and 0.23% Cu from 27.43m depth, including 0.57m of 301g/t Ag, 11.5% Pb, 10.7% Zn and 0.31% Cu.
- Structural mapping in 2023 identified a prominent regional fold hinge (black dotted line N-S on map) which is visible at surface and ties the Pete's Target to the Gally Target for >2.5KM.
- Significantly thicker beds of carbonate rocks (>250m) discovered to the west through field mapping have high potential of hosting thicker intersections of Ag-Pb-Zn-Cu CRD mineralization.



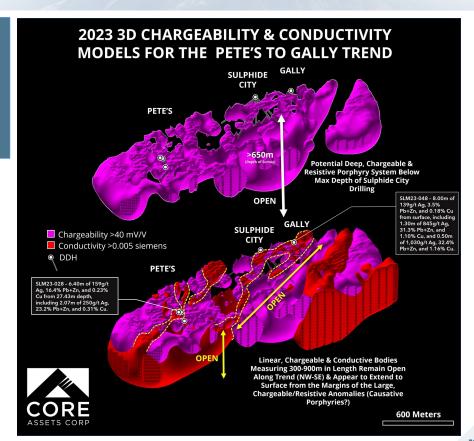
## **3D-DCIP Model**



**Chargeability =** the ability of a porous rock to hold an electric charge and is used to **target porphyry mineralization** (lower grade/higher tonnage)

**Conductivity** = the ability of a rock to conduct an electric current and is used to target for **CRD mineralization or massive sulphide** (higher grade/lower tonnage)

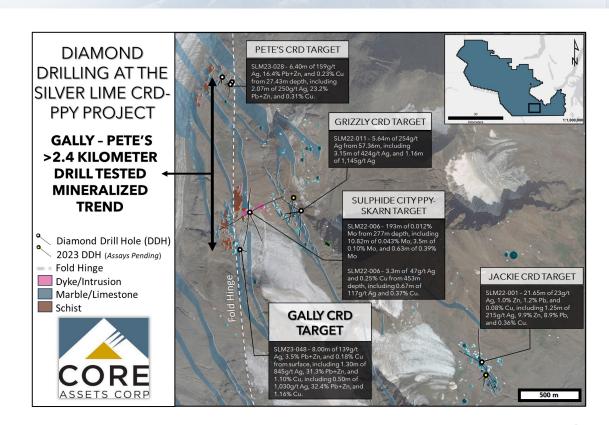
- This figure shows the overlay of conductivity over chargeability and is strong evidence for the existence of a large and continuous massive sulphide CRD system.
- The chargeability & conductivity model clearly outlines the
  potential for continuous massive sulphide (red in the figure)
  extending from depth directly to surface. More importantly,
  the survey illustrates that the massive sulphide could get more
  extensive at depth.
- Drilling from the last 2 seasons has proved that the CRD mineralization is extremely high-grade (over 1000g/t Ag) and continues at depth.
- With the new data from the geophysical survey, Core Assets will drill-test the deeper conductive areas attempting to intercept thicker areas of mineralization.



# **Gally Target**



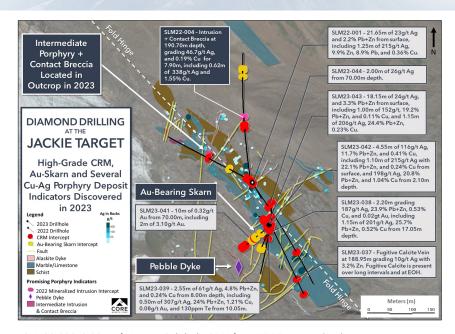
- Drilling at Gally has successfully intersected extremely high-grade at/near surface Ag-Pb-Zn-Cu mineralization over appreciable widths in 10 holes defining the >2.4km mineralized Gally- Sulphide City- Pete's trend from surface to depth.
- SLM23-048 intersected 8.00m of 139g/t Ag, 3.5% Pb+Zn, and 0.18% Cu from surface, including 1.30m of 845g/t Ag, 31.3% Pb+Zn, and 1.10% Cu, including 0.50m of 1,030g/t Ag, 32.4% Pb+Zn, and 1.16% Cu.
- Gally drilling in 2023 didn't come close to reaching the potential massive sulphide feeders that are outlined on the 3D-DCIP survey and represent an attractive opportunity to expand the system.
- 2024 plan: Drill deeper and connect with larger CRD massive sulphide intercepts.



# **Jackie Target**



- 7 out of 8 diamond drillholes completed at Jackie intersected massive-to-semi massive sulphide mineralization.
- SLM23-042 returned 4.55m of 116g/t Ag, 11.7%
   Pb+Zn, and 0.41% Cu, including 1.10m of 215g/t Ag with 22.1% Pb+Zn, and 0.24% Cu from surface, and 1.25m of 198g/t Ag, 20.8% Pb+Zn, and 1.04% Cu from 2.10m depth.
- SLM23-038 intersected 2.20m of carbonate replacement mineralization from 17.05m depth grading 187g/t Ag, 23.9% Pb+Zn, and 0.53% Cu, including 1.15m of 201g/t Ag, 25.7% Pb+Zn, and 0.52% Cu.
- Outcropping pebble dykes were also found at the Jackie, Gally, and Pete's Targets in 2023 which are common in many productive mining districts globally and can be strong indicators of the presence of a large, mineralized porphyry at depth.

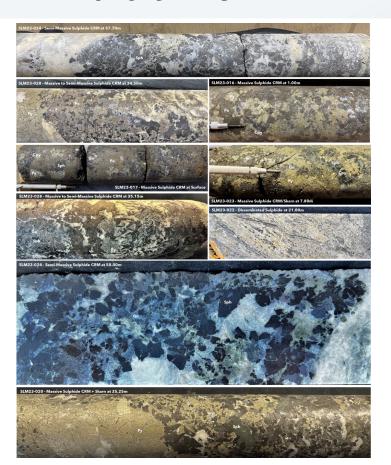


SLM23-038: 2.20m of Massive Sulphide CRM from 17.05 meters depth.



## Mineralization Styles in Drill Core at the Silver Lime CRD-Porphyry Project – Pete's & Grizzly Targets







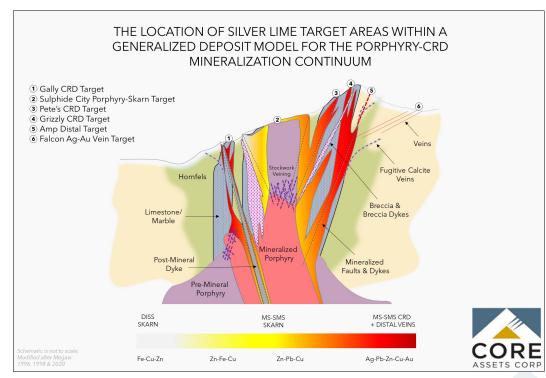


# Silver Lime CRD-Porphyry-Skarn Schematic Model



#### District-Scale CRD Checklist

- ✓ Location Stikine & Yukon-Tanana Terranes (CRD/Porphyry Belt)
- ✓ Location Top of Carbonate Section (Room to Grow)
- √ Ag (+400 g/t), Au, Zn, Pb, Cu, +Mn, As, Bi, Te...
- ✓ Multiple Mineralization & Alteration Stages
- ✓ Large-Scale Zoning (6.6 x 1.8 KM Defined)
- ✓ Presence of Felsite Dykes
- ✓ Presence of Skarn
- ✓ Discordant Geometry
- ✓ Replacement Mineralization (CRM)
- ✓ High Iron Sphalerite
- ✓ Pyrite Pseudomorphs after Pyrrhotite
- ✓ Molybdenum Mineralization
- ✓ Intrusive Stock Contact Skarn (Porphyry Target)



# **CRD-Porphyry Continuum Model**

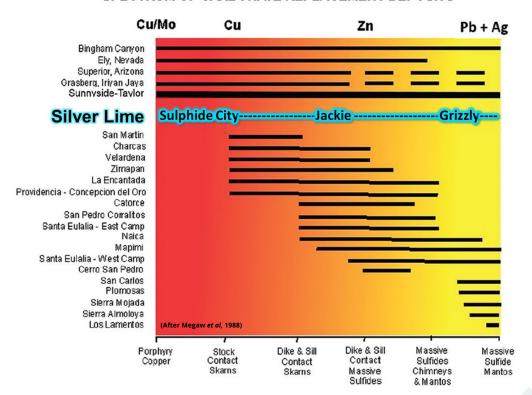


The Blue Property contains mineralization and alteration assemblages similar to those of major Mexican CRD's and world-class Porphyry Cu-Mo deposits.

Plotting a system on this spectrum quickly shows which segments are potentially missing and in which direction(s) to focus exploration.

Core Assets Silver Lime Porphyry-CRD Project displays characteristics that match up to some of the largest Porphyry-CRD systems globally, covering the full mineralization evolution spectrum from Cu-Mo Porphyry through to Ag-Pb Carbonate Replacement Mineralization.

#### SPECTRUM OF CARBONATE REPLACEMENT DEPOSITS



# Why CRD's are Significant?



# CRDs have the following characteristics that make these deposit types extremely attractive exploration targets:

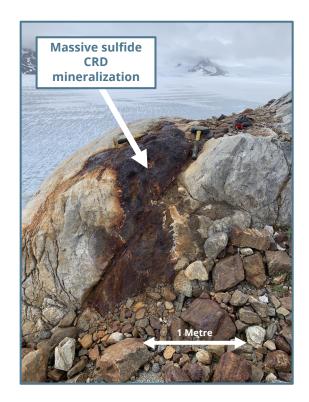
- Upside of 10-150 Million Tonnes
- High grade & polymetallic
- **Ag:** 150 -1,500 g/t
  - **Zn:** 3 -25% **Pb:** 3 -25%
  - **Cu:** 0.2 -5%

Au, Cd, Ge, In, W, Mo, PGE credits

- Low mining cost
- Metallurgically is well understood
- Minimal environmental footprint
- Opportunity to be related to district scale upside in additional porphyry and skarn systems

Unlike vein-hosted deposits, CRDs typically manifest as continuous sulphide bodies over multi-kilometre-scales that broaden with depth and demonstrate continuity back to the source(s)

(After Megaw, VIA MAG Silver Deck)



# **Vectoring for CRD's & Porphyries**



**Fugitive Calcite from** Blue under UV light





## **BBQ Rock**

Low wave UV light is a useful inexpensive tool for core logging, mapping and finding the source

Altered intrusive rocks at Blue also exhibit fluorescence indicating contact with mineralized fluids







**UV Light at Deer** Trail Project, Utah

**Towards Source** 





