



(CSE: NSJ) (FSE: 9PZ)

JULY 2025

NSJ GOLD CORP.

CRITICAL MINERAL EXPLORATION: NORTH
AMERICAN ANTIMONY

WWW.NSJGOLDCORP.COM

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THE RESULTS DISCLOSED IN THIS PRESENTATION ARE HISTORICAL IN NATURE. NSJ GOLD CORP. HAS NOT RECALCULATED ANY MINERAL RESOURCES, REVIEWED ANY QUALITY CONTROL SAMPLES, OR INTEGRATED THE QUALITY OF DATASETS AND CANNOT COMMENT ON THE RELEVANCE OR RELIABILITY OF SUCH INFORMATION.

Technical information in this presentation has been reviewed and approved by James R Atkinson, M. Sc., P. Geo., Certified Professional Geologist who is a Qualified Person in accordance with NI 43-101 reporting standards. The historical information has been reviewed by James Atkinson P. Geo. The information is considered reliable as far as can be determined but should not be relied upon.

ANTIMONY

Industrial Applications:

- *Military Usage:* Used in ammunition, night vision goggles, communication equipment.
- *Flame Retardants:* Used in plastics, textiles, and electronics to enhance fire resistance by slowing or preventing combustion.
- *Batteries:* Essential for lead-acid batteries, commonly used in vehicles and backup power systems.
- *Semiconductors:* Utilized in microelectronics for diodes and infrared detectors.

Geopolitical & Supply Chain Importance:

- Over 70% of global antimony production comes from China, leading to concerns about supply chain security.
- Recognized as a critical mineral by the U.S., EU, and other major economies due to its industrial importance and limited global sources.
- Growing geopolitical tensions emphasize the need for independent sources of antimony to secure manufacturing and defense applications



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DEMAND IS RISING – BUT SUPPLY IS FAILING

Antimony demand is growing, driven by energy transition and defense priorities

Global Antimony Demand is Surging

- Market expected to surpass **\$3 billion USD by 2030** (CAGR ~6.5%)
- EV & renewable energy storage needs driving massive investment in alternative battery chemistries (like antimony-based)
- Global decarbonization & national defense strategies are accelerating demand

Supply is Shrinking

- 80–85% of global production comes from a single country: China
- No meaningful production in Canada or the U.S.
- Regulatory restrictions, environmental concerns, and trade tensions = higher risk

Critical Supply Chain Weak Point

- In 2021, China hinted at restricting antimony exports – causing **prices to spike**
- Any disruption would **impact military readiness, battery manufacturing, and fire safety products**



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ESSENTIAL IN MILITARY & DEFENSE

- Antimony is an essential material in the military and defense sectors due to its unique properties and versatile applications.
- It is used in the production of flame-retardant fabrics, which are crucial for the safety of military personnel. Additionally, antimony is a key component in communication equipment, night vision goggles, ammunition, and laser sighting devices.
- Its ability to enhance the durability and performance of these critical tools makes it indispensable for modern defense strategies.
- The demand for antimony in military applications is expected to rise as global geopolitical tensions and the need for advanced defense technologies continue to grow.



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DRIVING ENERGY STORAGE & GRID STABILITY

- Antimony plays a crucial role in the power grid and power delivery systems, particularly in the development of advanced energy storage solutions.
- Its unique properties, such as heat resistance make it an essential component in modern battery technologies.
- Antimony is used in molten salt batteries, which offer reliable, low-cost, and long-lasting energy storage solutions.
- As the demand for renewable energy and efficient energy storage continues to grow, antimony's importance in the power grid and power delivery systems is expected to increase significantly.

SEMICONDUCTOR MANUFACTURING

Antimony is a **critical element** in the production of electrical components, playing a vital role in enhancing the performance and efficiency of semiconductor devices.

This makes it invaluable for applications such as infrared detectors, thermal imaging cameras, and optoelectronic devices. As the **demand for advanced semiconductor** technologies continues to grow, antimony's importance in the production of electrical components is expected to increase significantly.



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THE PROJECT

ANTIMONY 2.0

- NSJ Gold Corp. has entered into an option agreement to acquire 100% of the Antimony 2.0 Property in New Brunswick, Canada.
- Located 25km west of Fredericton and 15km from the historic Lake George Antimony Mine.
- Historic significance: Lake George Mine produced up to 4% of global antimony demand from 1970–1992.



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PROJECT DETAILS

ANTIMONY 2.0

- **Location:** New Brunswick, Canada – **25 km west of provincial capital Fredericton.**
- **Size:** Over 35 km² of relatively unexplored land.
- **Access:** Excellent road access (provincial and logging roads) and hydroelectric power availability.
- **Jurisdiction:** One of Canada's most mining-friendly provinces, with clear permitting processes and strong governmental support for critical mineral exploration.



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EXPLORATION PROGRAM

- **Previous Work:**

- 395 soil samples collected during a reconnaissance program.
- Drone-conducted magnetic survey provided structural context.

- **Immediate Planned Work:**

- Analysis of over 400 additional soil samples previously collected by Edge.
- 5 km of Induced Polarization (IP) geophysics across areas of known anomalies.
- Targets to be refined for winter 2024–25 drilling campaign.

- **Objective:**

- Identify and prioritize drill targets that show the highest probability for economic mineralization.

CAP TABLE

Shares Outstanding	23,759,000
<u>Stock Options</u>	<u>1,640,000</u>
Fully Diluted	25,399,000

As of July 14, 2025



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HISTORICAL INFORMATION

Lake George Antimony Mine Legacy:

- One of the most significant antimony producers in the western world during its operation.
- Operated intermittently from the 1860s to 1998, with its peak production between 1970 and 1992, when it supplied up to 4% of global antimony demand.



Aerial view of the facilities at the former Lake George Mine (ca. 1980s).



Underground mining of the antimony vein at the Lake George mine.

MANAGEMENT TEAM

Jag Sandhu
Founder, CEO, Director

Mr. Sandhu has over 25 years of experience in the capital markets in corporate finance and development. Mr Sandhu has raised over \$250 million for various domestic and international mining companies. A few of these companies reached Billion Dollar plus market cap valuations. He has dealt extensively with strategic planning, mergers and acquisitions, financings and operations for various companies. Mr. Sandhu has held various senior level executive positions in a number of listed companies. He received his Bachelor of Economics degree from Simon Fraser University in 1990.

Richard R. Kern, B.Sc., M.Sc., P.Geo
Vice President of Exploration,
Qualified Person (“QP”)

Prior to forming Great Basin Resources Inc. Richard co-founded MinQuest Inc. in 1998 and managed significant gold discoveries at Fire Creek and Longstreet, Nevada and at Moss, Arizona. Richard held positions with several major mining companies before starting his own company. He is a Professional Geologist with over 35 years’ experience in base and precious metal exploration in the U.S., Central America, South America, and Australia. Richard has had field, executive, and management level positions in companies such as North Mining, Homestake Mining Company, and Superior Oil. He has been involved in major mineral discoveries in the Western United States and Australia. He has a Master’s of Science Degree in Geology from Idaho State University and a Bachelor of Science Degree in Geology from Montana State University. His exploration methods involve results-driven mixing of practical field geology, geochemistry and drilling with state of the art GIS, geochemical and geophysical methods. His strong analytical skills and hands-on field oriented mentor management style has proven to be a successful combination in developing various mining ventures.



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MANAGEMENT TEAM

Paul Grewal, CPA, CA **Chief Financial Officer**

Mr. Grewal is currently a Partner with HWG Chartered Accountants in Surrey, BC. He received his Bachelor of Commerce from UNBC in 1998, received his CA designation in 1998 and has completed Parts I & II of the CICA In-Depth Tax Course. Mr. Grewal joined Heming, Wyborn & Grewal in 2005 and was promoted to Partner on January 1, 2009. Mr. Grewal has been the CFO of a number of publicly listed junior mining companies in Canada. He has extensive experience in the financial management of corporations that are doing business in a variety of industries.

Rodney Stevens, CFA **Vice President of Corporate Development, Director**

Mr. Stevens is a CFA charterholder with over a decade of experience in the capital markets, first as an investment analyst with Salman Partners Inc., then as a merchant and investment banker. While at Salman Partners, he became a top-rated analyst by StarMine on July 17, 2007. Mr. Stevens was also a Portfolio Manager registered with Wolverton Securities Ltd. and over the course of his career, he has been instrumental in assisting in financings and M&A activity worth over \$1 billion in transaction value. Currently, Mr. Stevens is the Vice President, Interim CFO, Director of Discovery Harbour (TSX.V: DHR) which is advancing their Caldera Project in Nevada, U.S.



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MANAGEMENT TEAM

Kim Eckhof *Director*

Kim Eckhof has served in London, England, as Executive Director of Medea Natural Resources since 2017, focusing on mining equity capital markets. She has board experience, having previously acted as a Non-Executive Director for ASX listed, Latitude Consolidated limited. Prior to this, Kim was at RFC Ambrian in London England for 5 years focussed on capital raising, investor relations and advising junior mining companies. Before RFC Ambrian, she was an Associate in the Equity Capital Markets team of Azure Capital, based in Perth Australia. During her time at Azure Capital she was also part of the investment team that set up and managed the A\$25 million Azure Resources Fund. Kim is an Australian and German National and has a Bachelors Degree in Science and Commerce from the University of Western Australia.

Chris Zerga *Director*

Mr. Zerga has more than 35 years of mining experience through-out the USA., with a focus in Nevada. He has held several senior level executive positions with multiple major and junior mining companies. Mr Zerga's background includes all aspects of mining from exploration, development, to production. His experience includes working with - Freeport McMoran (NYSE: FCX), Anglo Gold Ashanti (JSE: ANG), Minorco SA which merged with Anglo American Corp. creating a \$10 billion merger, Newmont Corporation (NYSE: NEM), Queenstake Resources Ltd. merged with YGC Resources, and Scorpio Gold Corp. (TSXV: SGN). Mr. Zerga is currently the general manager for Rawhide Mining LLC, which is a fully permitted open pit heap leaching operation that is currently producing gold and silver doré in Fallon, Nevada. Rawhide Mining is a private company backed by EMX Royalty Corp. (NYSE: EMX) which owns 19.9% respectively. Mr Zerga has technical experience with all ore types and recovery methods. His expertise includes - Wet and Dry grinding, Heap Leaching, Flotation, Roasting, Chlorination, including Merrill Crowe, CIL, CIP, CIC and Gravity recovery methods.



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FOR MORE INFORMATION CONTACT:

Jag Sandhu

Founder, CEO, Director

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