



NEVADA SUNRISE METALS CORP.

TSXV: NEV OTC: NVSGF



DISCOVERING NEVADA

CORPORATE PRESENTATION / FEBRUARY 2024

Jackson Wash

Badlands

Gemini

Solar Exclusion Area

266



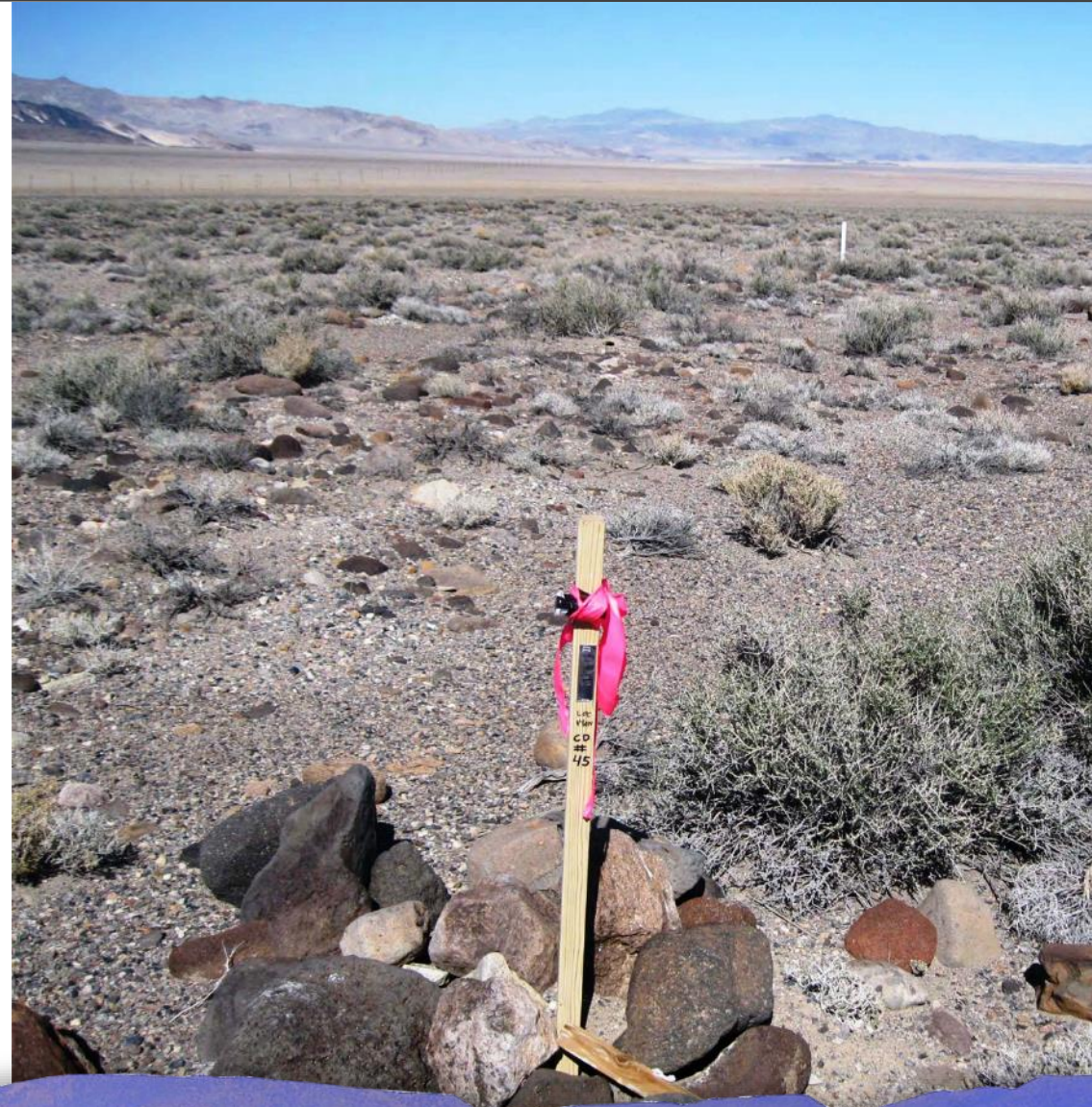
Forward-Looking Statements



All statements in this document regarding Nevada Sunrise Metals Corp.'s lithium, gold and copper exploration projects, and its Nevada water right, other than statements of historical fact, are "forward-looking information", or "forward-looking statements" with respect to Nevada Sunrise Metals Corp. ("Nevada Sunrise, or "NEV") within the meaning of applicable Canadian securities laws, including statements that address future mineral production, reserve potential, exploration drilling, the current or future price of metals and minerals, potential quantity and/or grade of metals and minerals, potential size of a mineralized zone, potential expansion of mineralization, the timing and results of future resource estimates, or other study, proposed exploration and development of our exploration properties and the estimation of mineral resources.

Forward-looking information is often, but not always, identified by the use of words such as "seek", "anticipate", "plan", "continue", "estimate", "expect", "project", "predict", "potential", "targeting", "intends", "believe", "potential", and similar expressions, or describes a "goal", or variation of such words and phrases or state that certain actions, events or results "may", "should", "could", "would", "might" or "will" be taken, occur or be achieved. Mineralization found in selective surface samples may not be representative of a mineral resource within a Nevada Sunrise property. These statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievement of Nevada Sunrise to differ materially from those anticipated in such forward-looking information.

Robert M. Allender, Jr., CPG, RG, SME and Willem Duyvesteyn, M.Sc. are the designated qualified persons for Nevada Sunrise within the meaning of National Instrument 43-101 and have reviewed and approved the technical information contained in this document for the Nevada Sunrise lithium projects.





Our Mission Statement



North America Focused

Nevada Sunrise is focused on exploration in Nevada, USA, rated the #1 exploration district in the world



ESG

(Environmental, Social & Governance)

We are committed to a responsible corporate model acting in the best interests of local communities and shareholders



Clean Tech

Embracing new clean technology for Lithium development and extraction, including exploring potential in-situ leaching processes and CO₂ capture



Market Growth

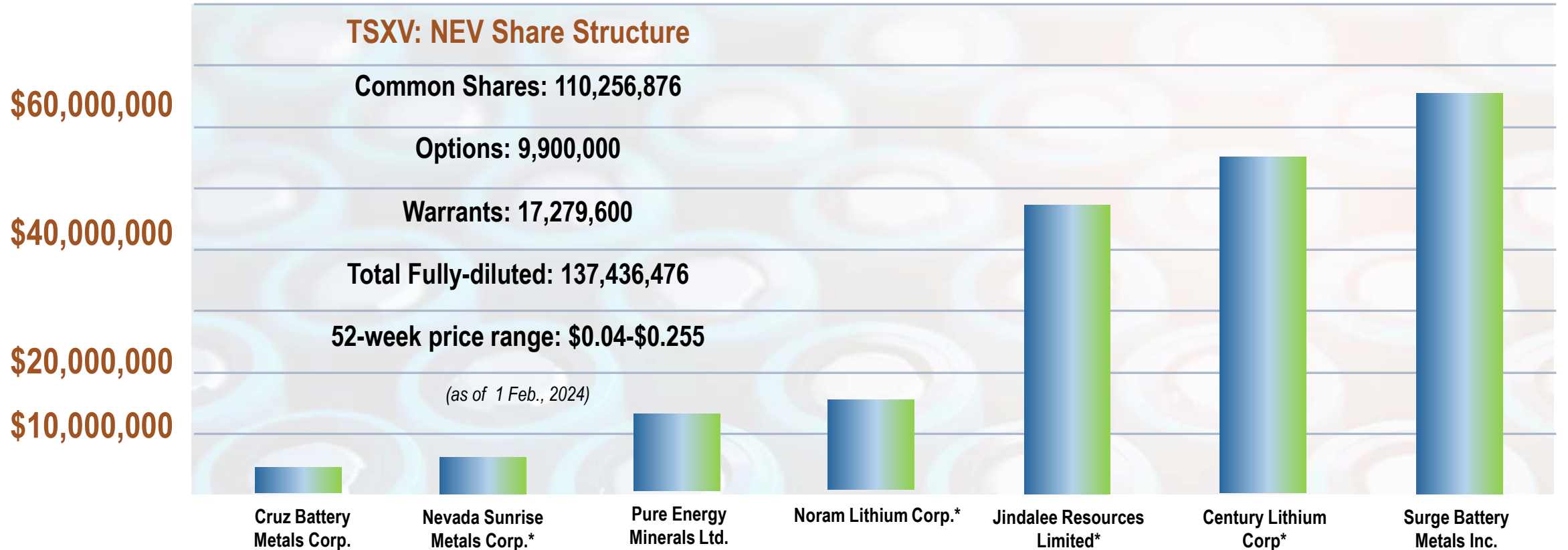
Targeting exploration for energy metals with the highest growth potential to provide maximum benefit to shareholders



Capital Structure & Peer Group Comparison



Nevada Lithium Explorers & Developers Comparison by Market Cap (\$CAD) (as of Feb. 2024)



*Published Ni 43-101 compliant resource estimate



Board of Directors & Management



Board of Directors



Michael Sweatman, CPA
Chairman (2012)



Warren Stanyer
Director (2008)



Suraj Ahuja, M.Sc.,
P. Geo.
Director (2012)



Cory Kent,
B.A., LLB
Director (2012)



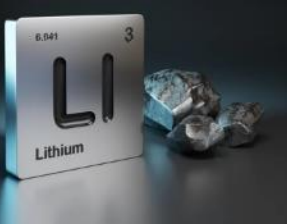
Charles Roy,
B.Sc.
Director (2014)

Management

Warren Stanyer, President & CEO (2013)

Jonathan Fung, CFO (2021)

Christina Boddy, Corporate Secretary (2013)



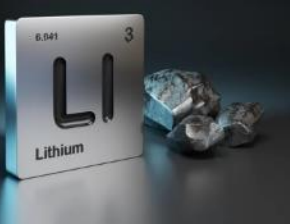
Financing Completed, October 2023



On October 26, 2023, Nevada Sunrise closed the second and final tranche of a non-brokered private placement (the “Offering”) for total gross proceeds of CAD\$773,800 consisting of 9,672,500 units (the “Units”) at a price of CAD\$0.08 per Unit, each Unit consisting of one common share of the Company and one common share purchase warrant (a “Warrant”). Each Warrant will entitle the holder to purchase one common share at a price of CAD\$0.12 for a period expiring 2 years from the closing date of the Offering. The Warrants were subsequently extended for an additional 3 years from closing of the Offering.

Proceeds of the Offering will be used for:

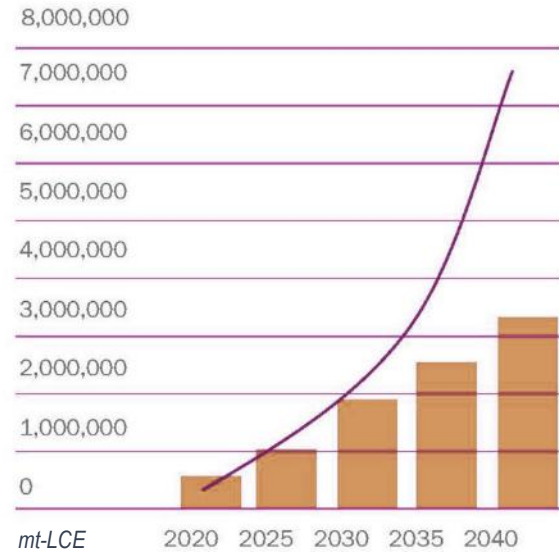
- Completion of a National Instrument 43-101-compliant mineral resource estimate for the Gemini Lithium Project located in Esmeralda County, Nevada (“Gemini”);
- Initiation of work on a preliminary economic assessment (or “PEA”) following the release of a maiden mineral resource estimate for Gemini;
- Exploration work on the Company’s mineral properties;
- Other lithium property investigations, and general working capital.



Lithium Supply and Demand: Forecast

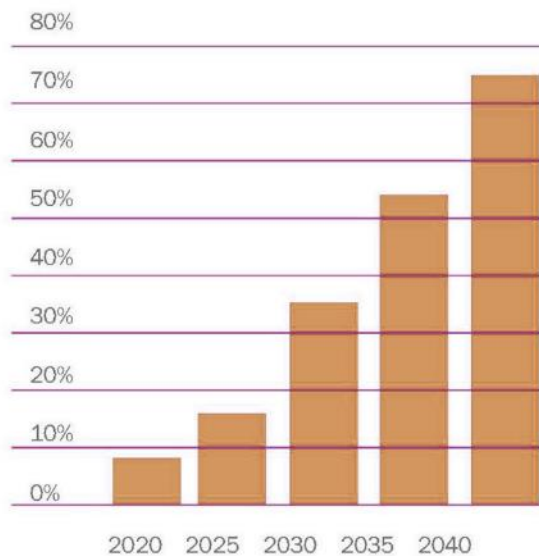


Expected Shortfalls – Lithium Supply



Source: Benchmark Mineral Intelligence – Lithium Forecast, Q3 2021

Electric Vehicle Market Forecast



Source: Benchmark Mineral Intelligence – Lithium Forecast, Q3 2021



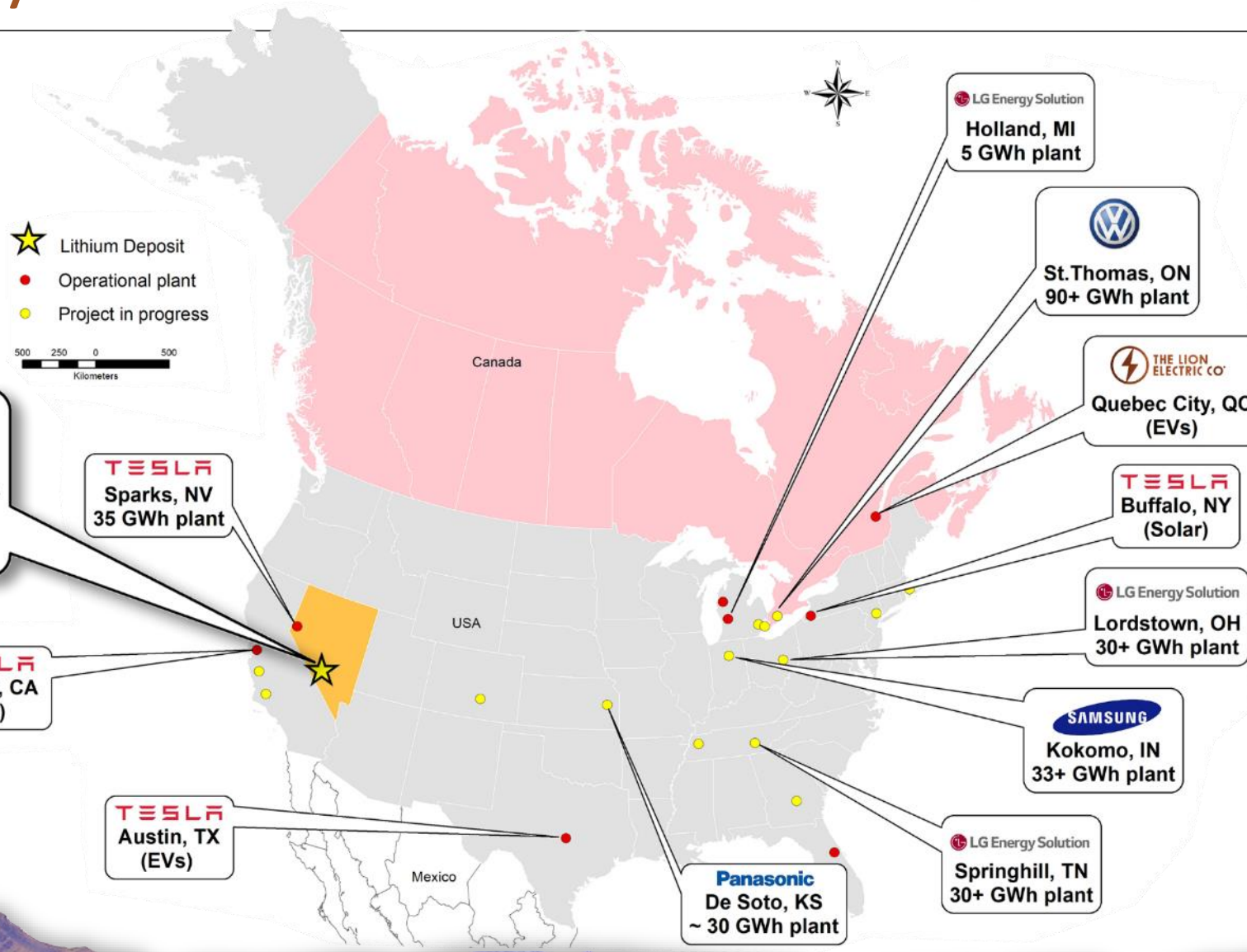
The electric vehicle market is predicted to significantly rise over the next 20 years and beyond, causing a substantial shortfall in the projected lithium supply needed.



Lithium Supply and Demand




Gemini Lithium Project



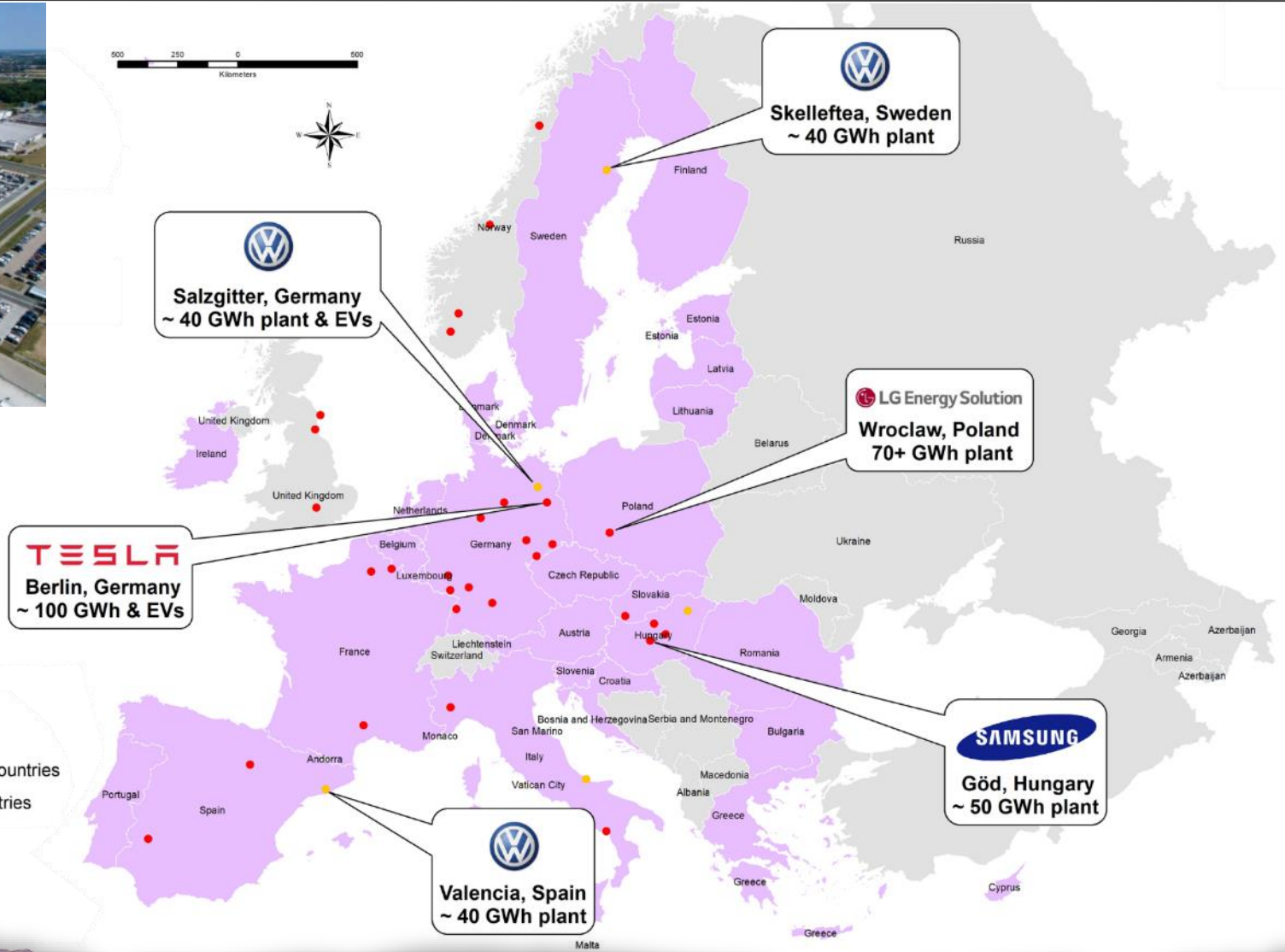
Lithium battery and vehicle plants operating or in development across North America

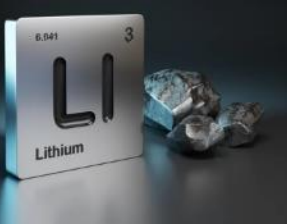


Lithium Supply and Demand



Lithium battery and vehicle plants operating or in development across Europe

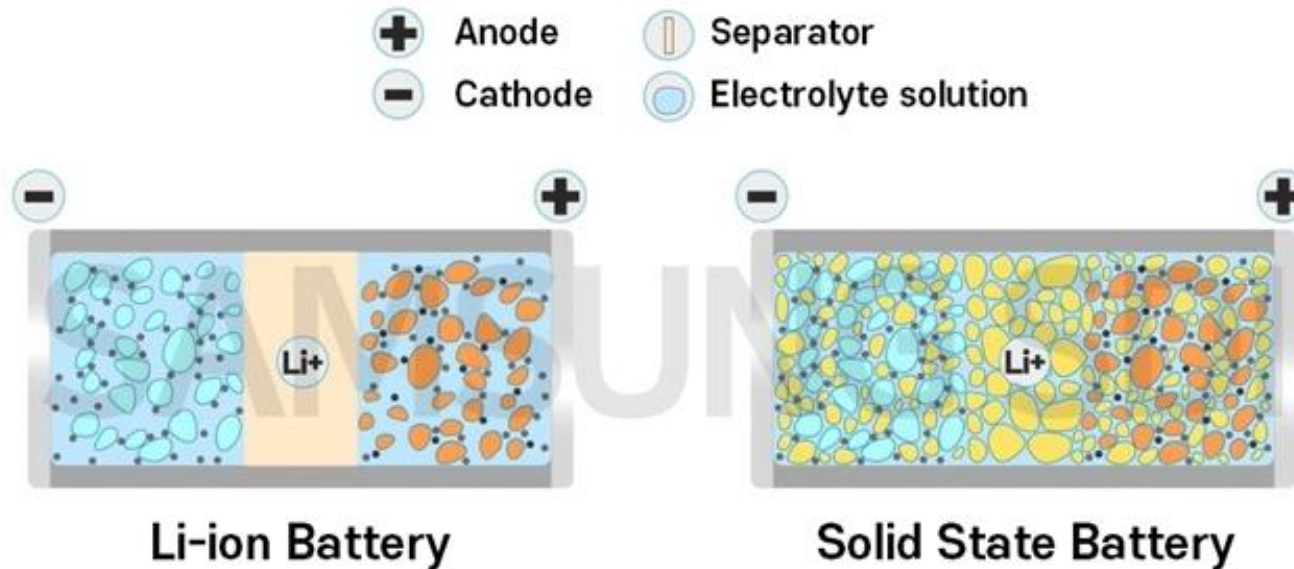




Lithium Supply and Demand



New Solid State battery technology uses more Lithium...



- Solid State batteries are safer – less prone to failure and combustion;
- 2-10 times capacity of Li-ion batteries;
- Charges in 10-15 minutes, with up to 500 mile (800km) range;
- All major auto makers are developing Solid State batteries;
- ***Solid State batteries require 5 to 10 times the amount of Lithium than Li-ion batteries.***

Source: 



Our Exploration Philosophy



-  Identify Prospective Geology
-  Confirm Presence of Target Minerals
-  Acquire Geophysical Data
-  Integrate Data for Drill Targets

Geology

Discovery

Geophysics

Geochemistry

Au, Ag, Cu, Ba, As



Nevada: The Right Place, The Right Time



Lithium Properties

- Gemini Lithium Project:** 100% interest.
- Jackson Wash Lithium Project:** 100% interest.
- Badlands Lithium Project:** 100% interest.



Other Energy Metals

- Coronado VMS Project:** NEV has an option to earn a 100% interest.

Gold Property

- Kinsley Mountain Gold Project:** NEV currently owns a 18.74% interest with CopAur Minerals Inc. (TSXV: CPAU), as operator, holding a 81.26% interest.





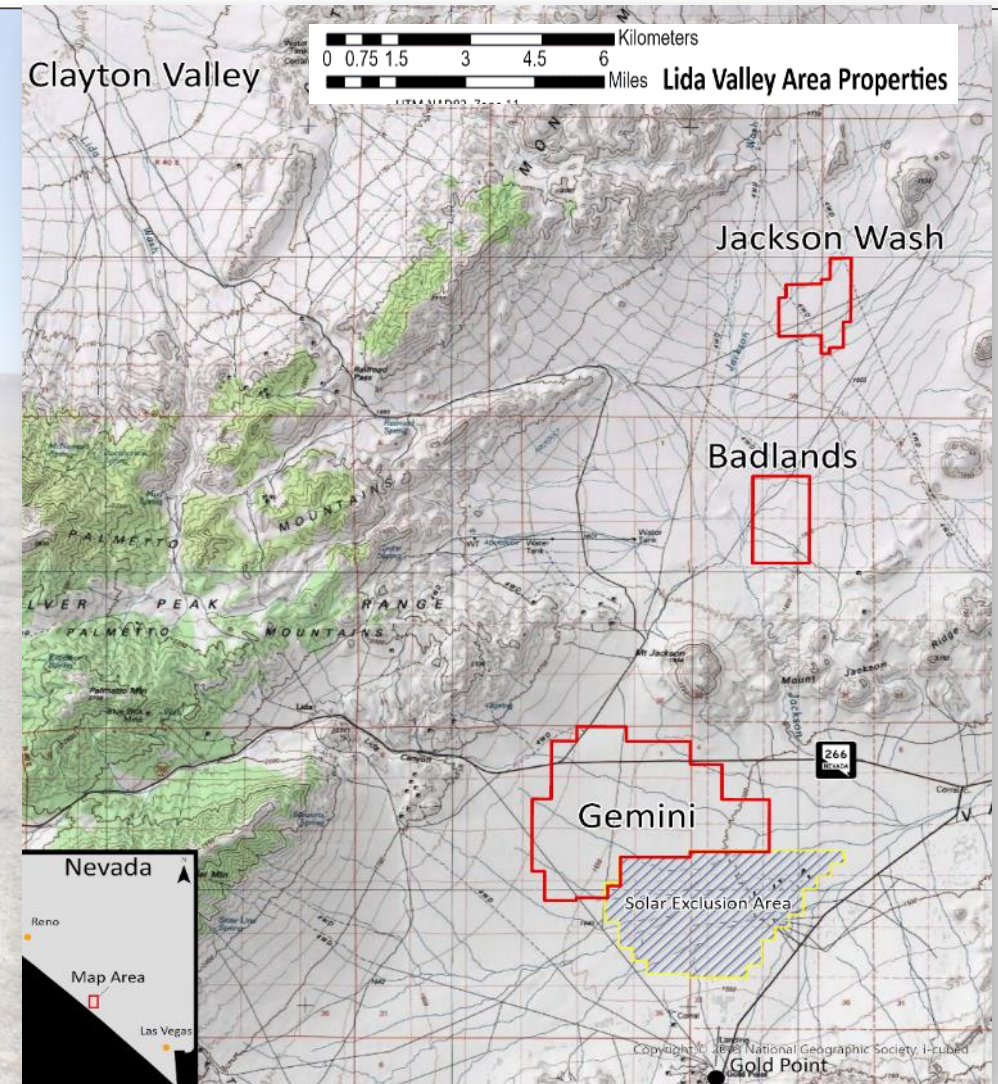
Lithium Properties in Nevada



Nevada is currently the only source for Lithium production in the U.S. from the Silver Peak Mine in the Clayton Valley, operated by Albemarle Corp., the world's largest Lithium producer (NYSE: ALB).

Nevada is a “bullseye” for Lithium in North America with significant potential for new Lithium resources to meet present and future demand for new supplies of domestic Lithium, for the following reasons:

1. Highly-prospective geological setting (USGS, 2018).
2. Excellent access to infrastructure, e.g., NEV’s Gemini Lithium Project in the Lida Valley of Esmeralda County with accessible roads, accommodations water and power.
3. Designated critical metal - U.S. domestic deposits are needed to meet Presidential Order dated Feb. 24, 2021. The U.S. government is actively supporting Lithium development in the form of grants and other financial incentives.





Gemini Lithium Project

A New Lithium Discovery

The Gemini Lithium Project (“Gemini”) consists of approximately 363 unpatented claims for a total area of approx. 7,100 acres (2,873 hectares) located 6 miles (10 kilometres) east of the town of Lida, Nevada.

Nevada Sunrise first acquired Gemini by claim staking in 2015 with no applicable royalties and currently holds a 100% interest in the Project.

The Gemini Project is complemented by an 80.09 acre/feet/year water right 100%-owned by NEV.



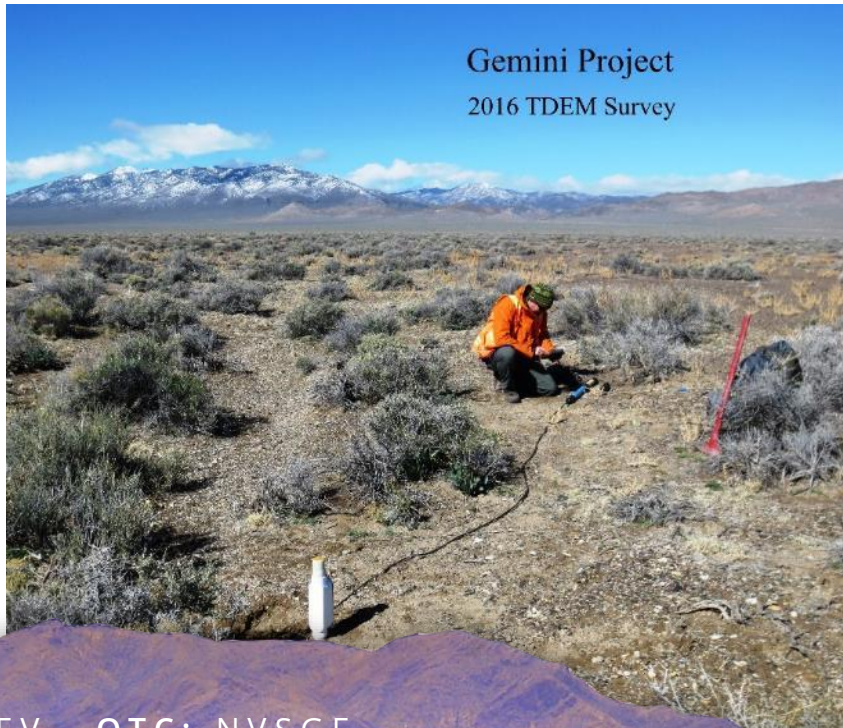


Gemini Project: Exploration

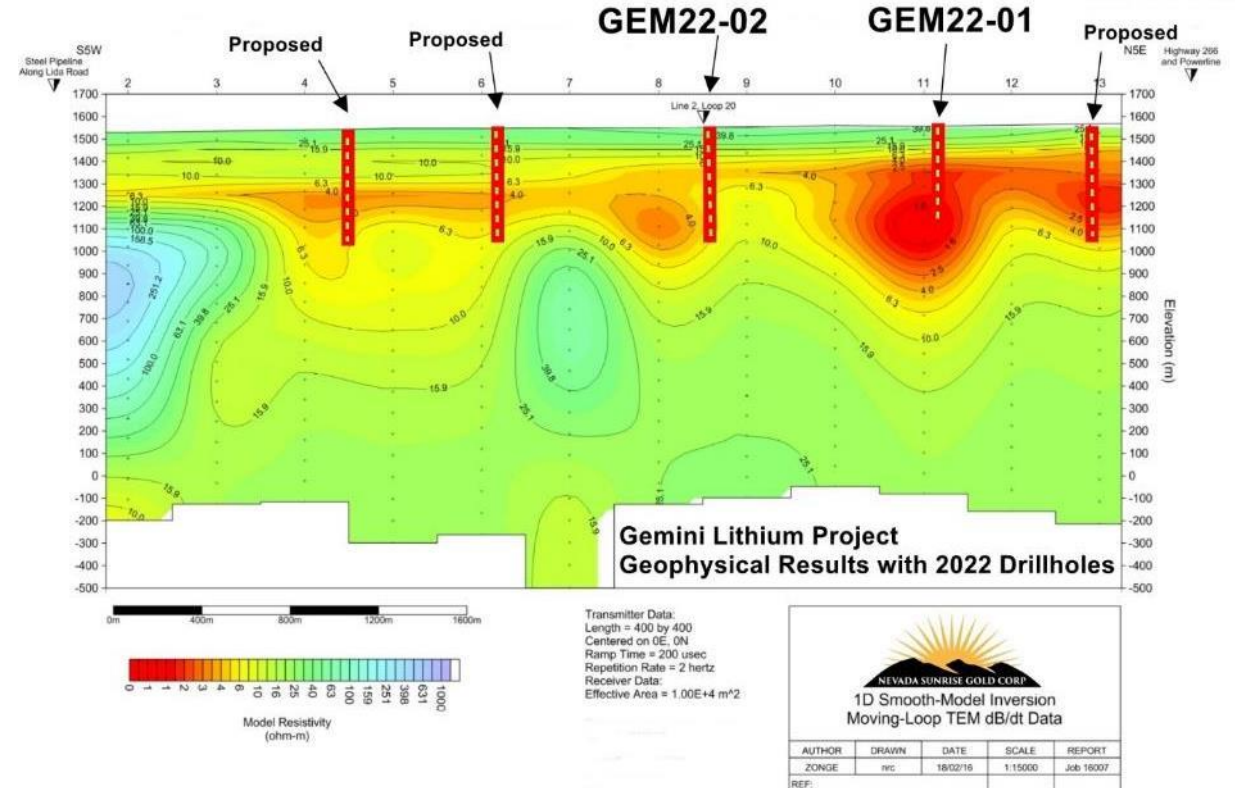


2016 Geophysical Survey Detected Conductive Zones

In 2016, Nevada Sunrise carried out TDEM surveys at Gemini. The surveys detected conductive zones within the sub-basin defined by a historical gravity survey. New TDEM surveys were added in 2022.



TDEM Survey Results Showing Conductive Zones and Discovery Holes at Gemini drilled in March & April 2022





Gemini Project: 2022 Phase 1 Drilling



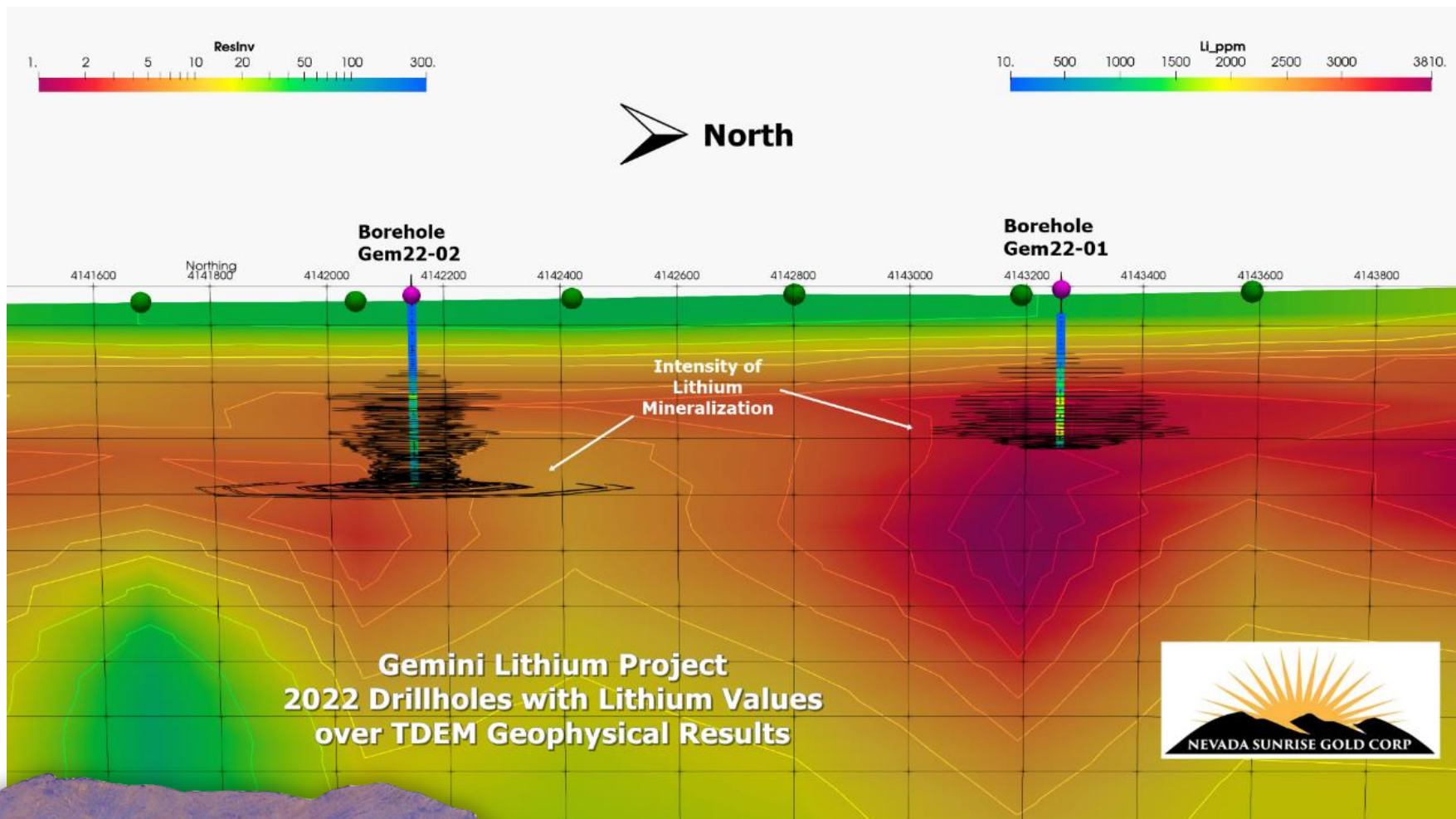
The results from the first two boreholes represent a new discovery of lithium-bearing sediments in the western Lida Valley, which has not been historically drill tested for Lithium mineralization. Lithium-in-sediment values were significant:

- **GEM22-01 averaged 1,203.41 parts per million (“ppm”) Li over 580 feet (176.83 metres),** from 320 to 900 feet (97.56 to 274.39 metres) including **1,578.19 ppm Li over 300 feet (91.46 metres)** from 480 to 780 feet (146.34 to 237.8 metres).
- **GEM22-02 averaged 1,101.73 parts ppm Li over 730 feet (222.56 metres)** from 390 to 1,120 feet (118.90 to 341.46 metres), including **2,217.69 ppm Li over 130 feet (39.63 metres)** from 990 to 1,120 feet (301.83 to 341.46 metres) and **3,304.34 ppm Li over 50 feet (15.24 metres)** from 1,070 to 1,120 feet (326.22 to 341.46 metres).



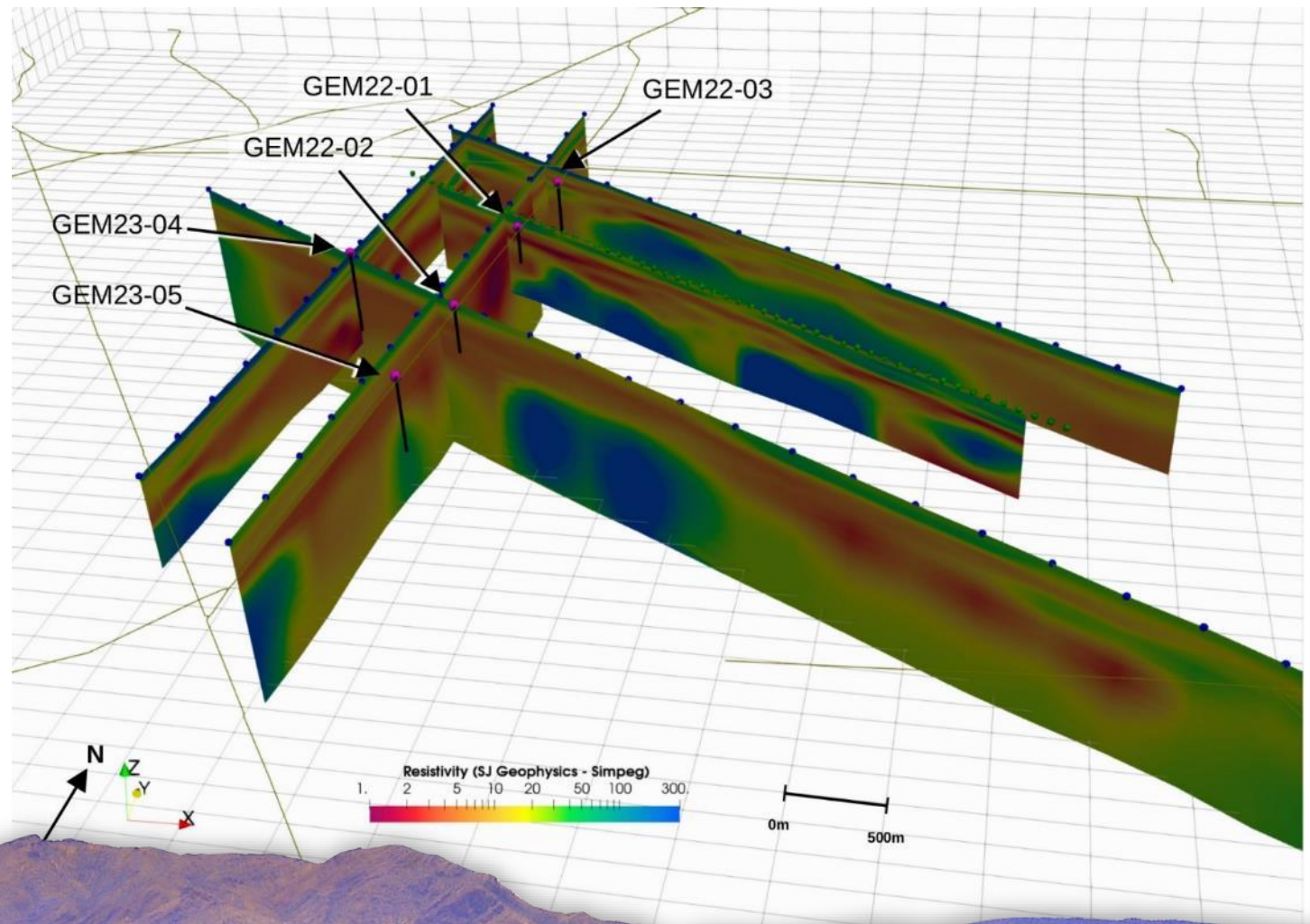


Boreholes GEM22-01 and GEM22-02 with Lithium Values over TDEM Geophysics





Latest Geophysical TDEM Model Showing Conductive Zones and Drill Holes at Gemini



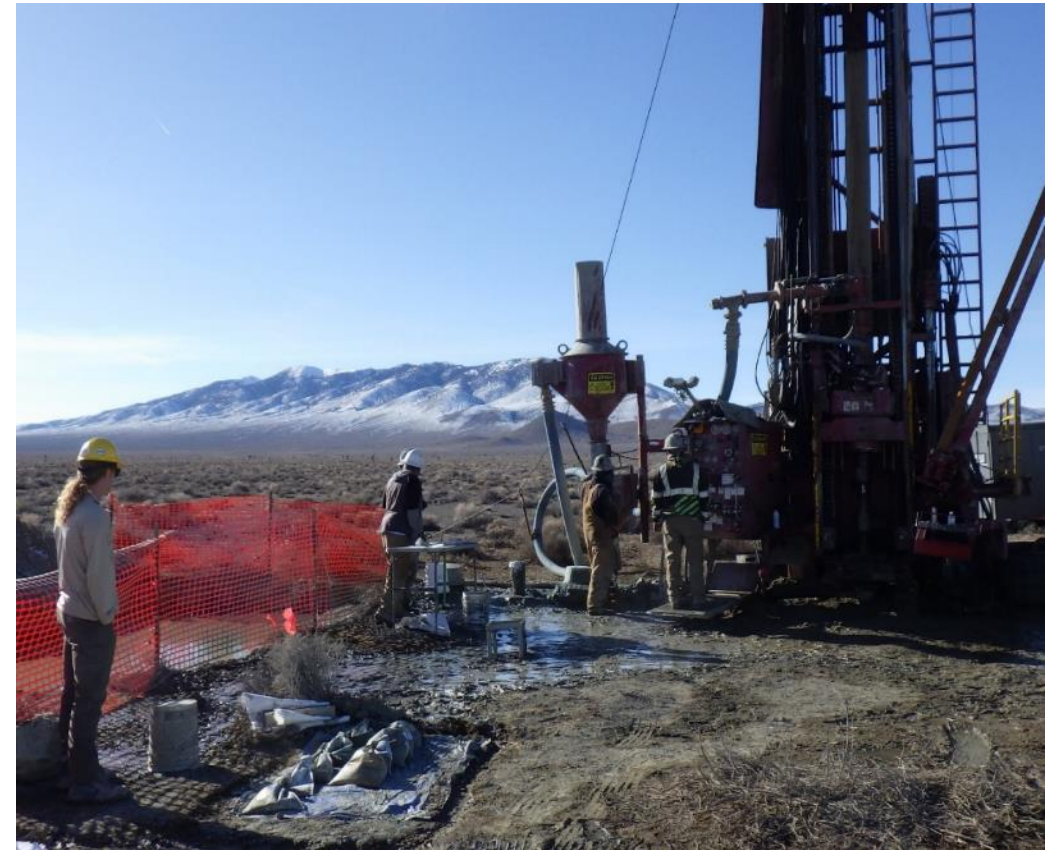
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Gemini Project: 2023 Phase 2 Drilling



Drilling operations at the site of GEM22-01 and GEM23-04





Gemini Project: 2022-2023 Drill Results



Gemini Lithium Project, Phase 1 & Phase 2 Drilling Results: Lithium-in-Sediments

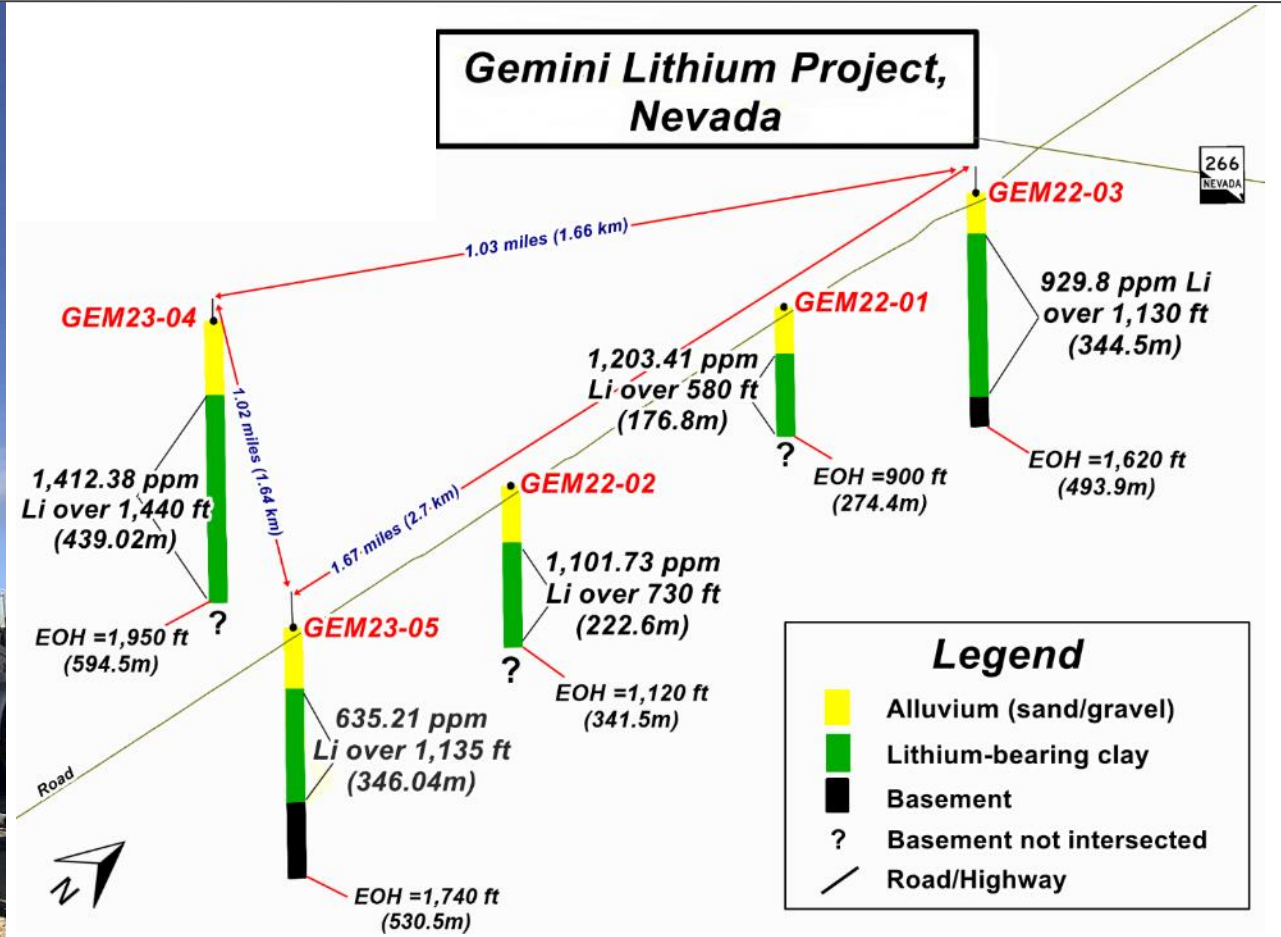
Hole Number	Depth Interval				Thickness		Lithium Weighted Average (ppm)
	From (feet)	To (feet)	From (metres)	To (metres)	Feet	Metres	
GEM22-01	320	900	97.56	274.39	580	176.83	1,203.41
<i>including:</i>	480	780	146.34	237.80	300	91.46	1,578.19
GEM22-02	390	1,120	118.90	341.46	730	222.56	1,101.73
<i>including:</i>	990	1,120	301.83	341.46	130	39.63	2,217.69
<i>and:</i>	1,070	1,120	326.22	341.46	50	15.24	3,304.34
GEM22-03	280	1,410	85.37	429.88	1,130	344.51	929.80
<i>including:</i>	280	630	85.37	192.07	350	106.71	1,342.20
<i>and:</i>	470	500	143.29	152.44	30	9.15	1,955.73
GEM23-04	510	1,950	155.49	594.51	1,440	439.02	1,412.38
<i>including:</i>	1,270	1,380	387.20	420.73	110	33.54	3,556.82
<i>and:</i>	1,350	1,380	411.59	420.73	30	9.15	4,329.60
GEM23-05	440	1,575	134.15	480.18	1,135	346.04	635.21
<i>including:</i>	850	1,210	259.15	368.90	360	109.76	1,096.16
<i>and:</i>	950	1,130	289.63	344.51	180	54.88	1,308.42



3-D View of Gemini Lithium Mineralization

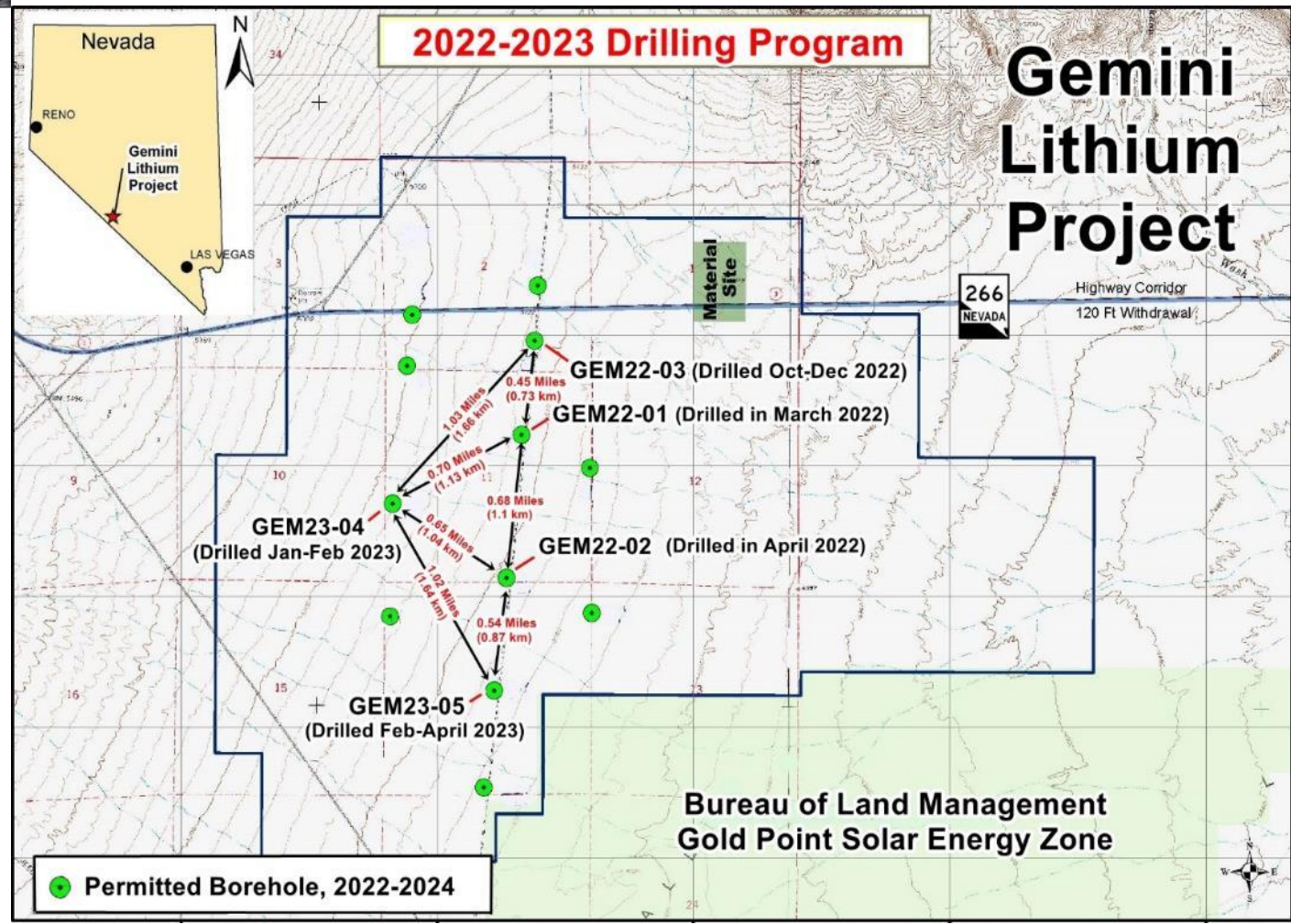


Phase 1 & 2
Drill Holes





Phase 1 & 2 Drilling Plan: 2022-2023



Nevada Sunrise believes that the southern and western parts of the Gemini basin are highly prospective for additional Lithium mineralization and that further drilling could eventually define a large Lithium resource.

The Company engaged ABH Engineering Inc. of Surrey, BC, Canada to calculate a National Instrument 43-101-compliant resource estimate leading to a Preliminary Economic Assessment of the Lithium-bearing zones at Gemini. The Inferred resource estimate was released on January 23, 2024.

Nevada Sunrise plans an application to the BLM for a Plan of Operations to better define the extent of Lithium mineralization at Gemini.



Metallurgical Testing - 90.2% Li Recovery



Lithium recovery from Gemini clays



Under the supervision of Willem Duyvesteyn, M.Sc., NEV achieved a 90.2% Lithium extraction rate in column testing.

McClelland Laboratories Inc. in Sparks, NV was the site of the metallurgical tests.

The 90.2% Lithium extraction rate compares favourably with the average Lithium extraction of 84% reported by Lithium Americas at its Thacker Pass Lithium project.

(Source: Feasibility Study for the Thacker Pass Project, by Roth, D., et al, dated November 2, 2022)

**Column testing of
Gemini Lithium pellets**

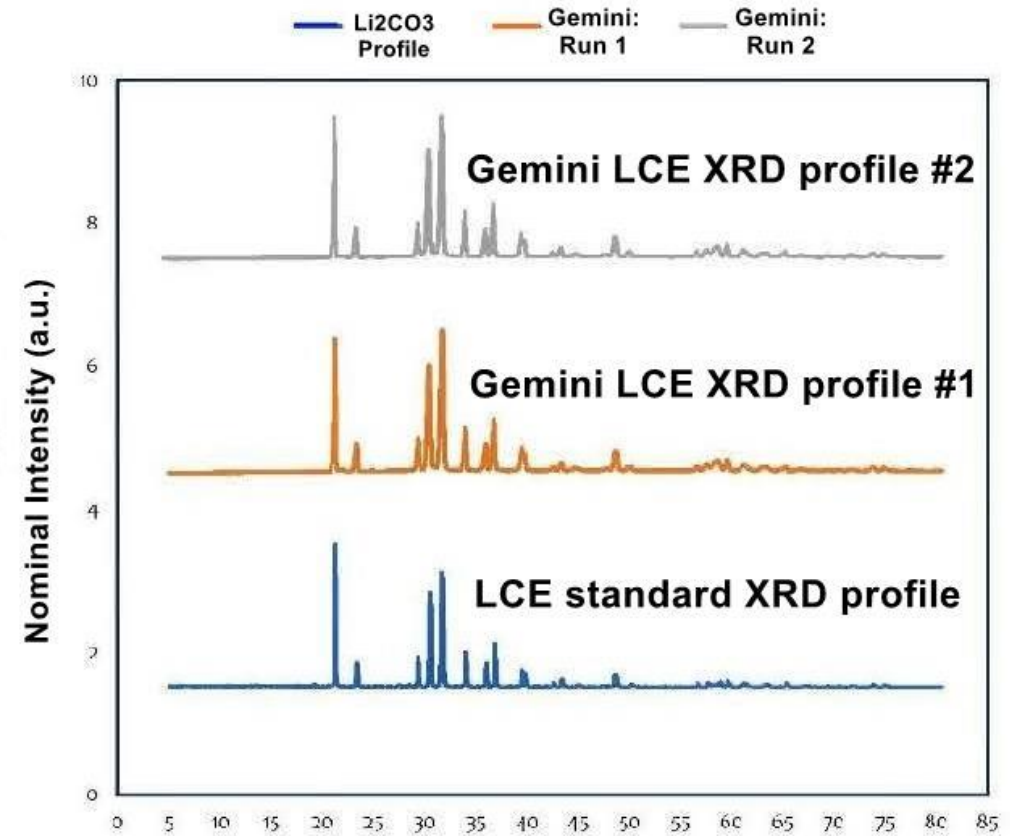


Lithium Carbonate Equivalent (Li_2CO_3)

produced from Gemini clays



LCE Sample Produced from Gemini Mineralization



Nevada Sunrise metallurgical testing produced Li_2CO_3 from Gemini leach solution



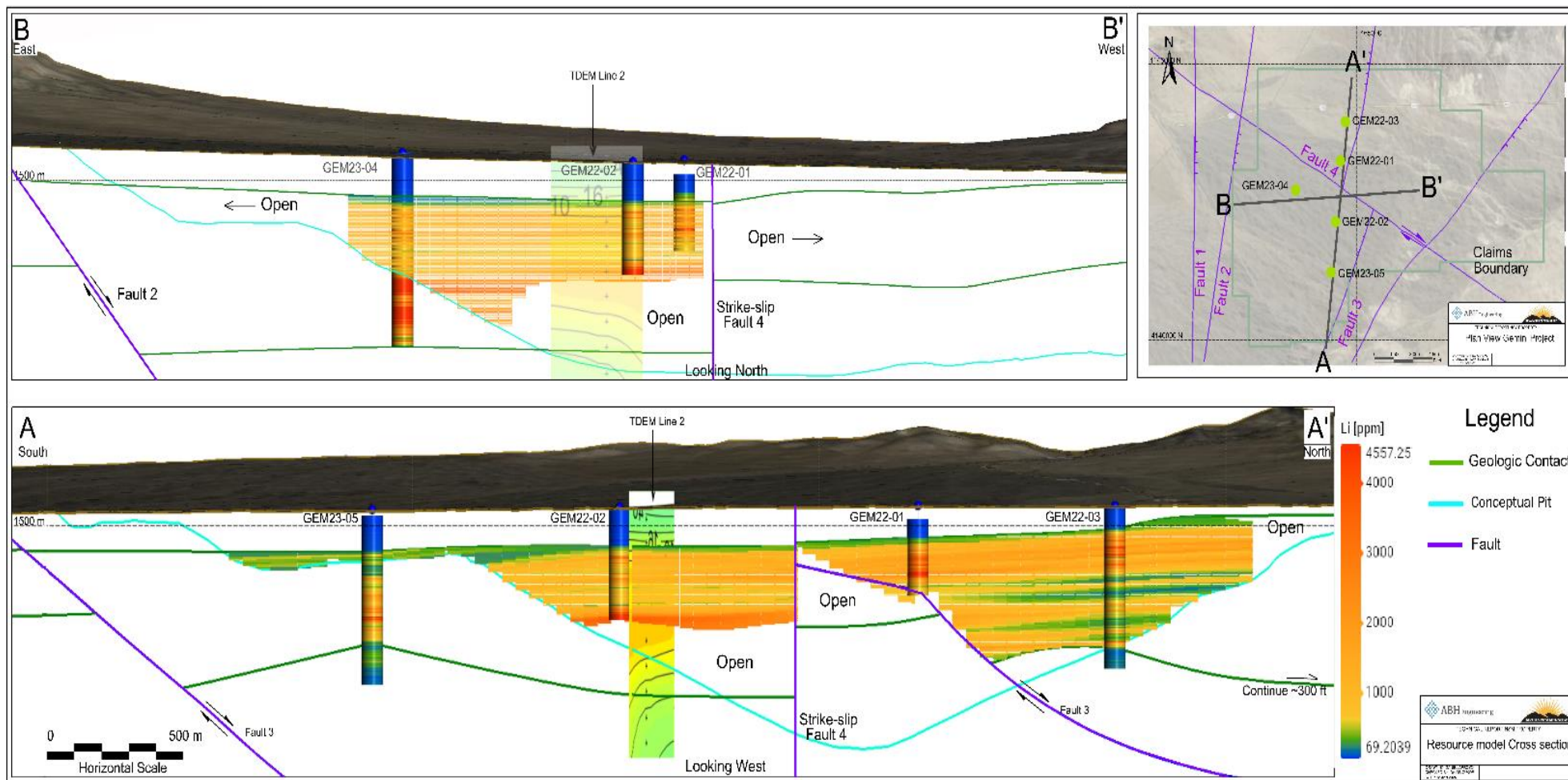
NI 43-101 Compliant Resource Estimate



Inferred resource estimate of 7.1 million tonnes LCE contained within 1,200 million tonnes of lithium-mineralized clay at an average grade of approximately 1,130 ppm Lithium*

(*ABH Engineering Inc., 2024)

1. Lithium cut-off values of 400 ppm Lithium and density of 1.7 gm/cm³ were used;
2. Model constraints: Faults 3 and 4; a conceptualized 24 degree pit-slope, modelled from property boundaries, using a benchmark 24 degree pit-slope from several other Nevada lithium clay deposits.





Gemini's Position in World Rankings

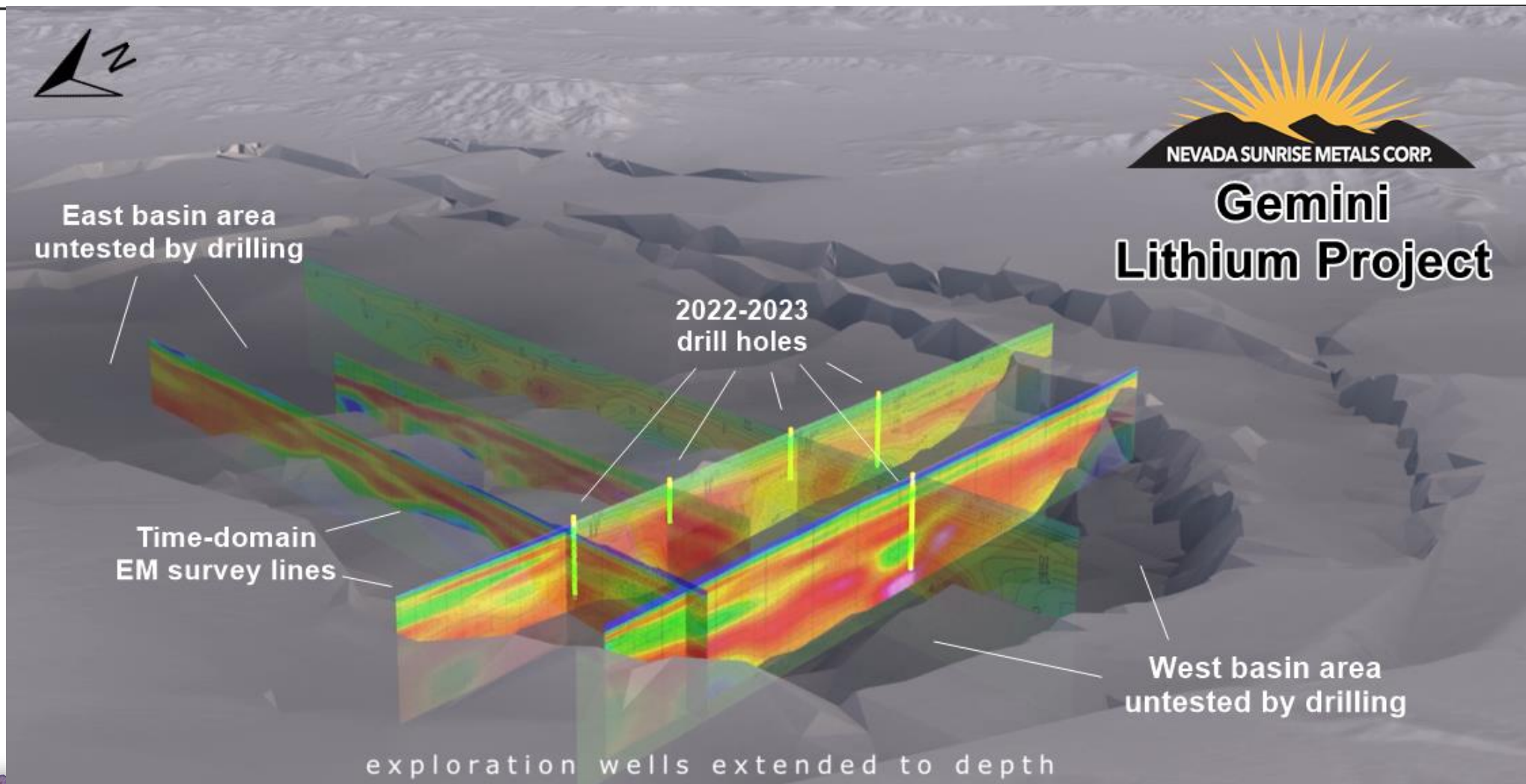


Property Name	Location	Majority Owner (%)	Development Status	Geology	Total LCE Resources (mt)
1. McDermitt	United States	Jindalee Resources (100%)	Prefeasibility	Sediment Hosted	21.5
2. Thacker Pass	United States	Lithium Americas Corp. (100%)	Construction	Sediment Hosted	19.0
3. Bonnie Claire	United States	Nevada Lithium Resources (100%)	Preliminary Economic Assessment	Sediment Hosted	18.4
4. Manono	Dem. Republic of the Congo	AVZ Minerals (75%)	Feasibility	Pegmatite	16.4
5. Tonopah Flats	United States	American Battery Technology Co (100%)	Advanced Exploration	Sediment Hosted	14.3
6. Sonora	Mexico	Ganfeng Lithium (70%)	Construction	Sediment Hosted	8.8
7. Cinovec	Czech Republic	CEZ (51%), European Metal Holdings (49%)	Feasibility	Greisen	7.3
8. Goulamina	Mali	Ganfeng Lithium (50%), Leo Lithium (50%)	Construction	Pegmatite	7.2
9. Gemini	United States	Nevada Sunrise (100%)	Advanced Exploration	Sediment Hosted	7.1
10. Mount Holland-Earl Grey Lithium	Australia	SQM (50%), Wesfarmers (50%)	Construction	Pegmatite	7.0

Sourced and adapted from Mining Intelligence (August 2023)



Gemini Project: The Potential to Expand





Gemini Project: Building Blocks for Success



Our vision for Gemini



(image created by A.I.)

Established infrastructure and novel extraction techniques for sustainable development:

- An existing network of trails, roads and Nevada State Hwy. 266 provide year-round access to Gemini.
- Nevada Sunrise holds an active water permit for 80 acre/ft./yr. with applications in place for additional water use.
- Investigating the potential for in-situ Lithium recovery using a novel patent for "green extraction" with CO₂ as a leaching agent and subsequent CO₂ capture.
- Located adjacent to the BLM's Gold Point Solar Energy Reserve for a potential clean electrical power source.



Gemini Lithium Project: Timeline





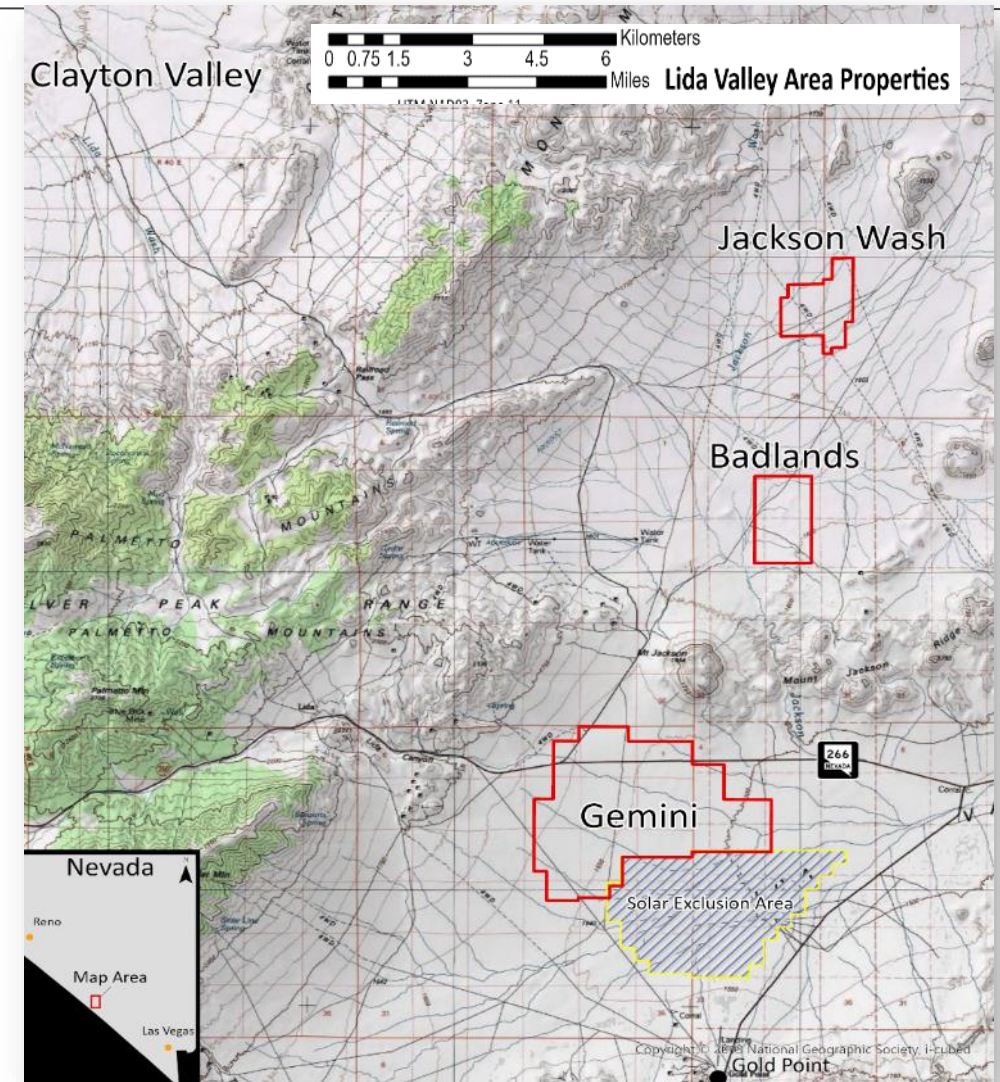
Jackson Wash Lithium Project



The Jackson Wash Lithium Project consists of 49 unpatented claims totaling approximately 980 acres (397 hectares).

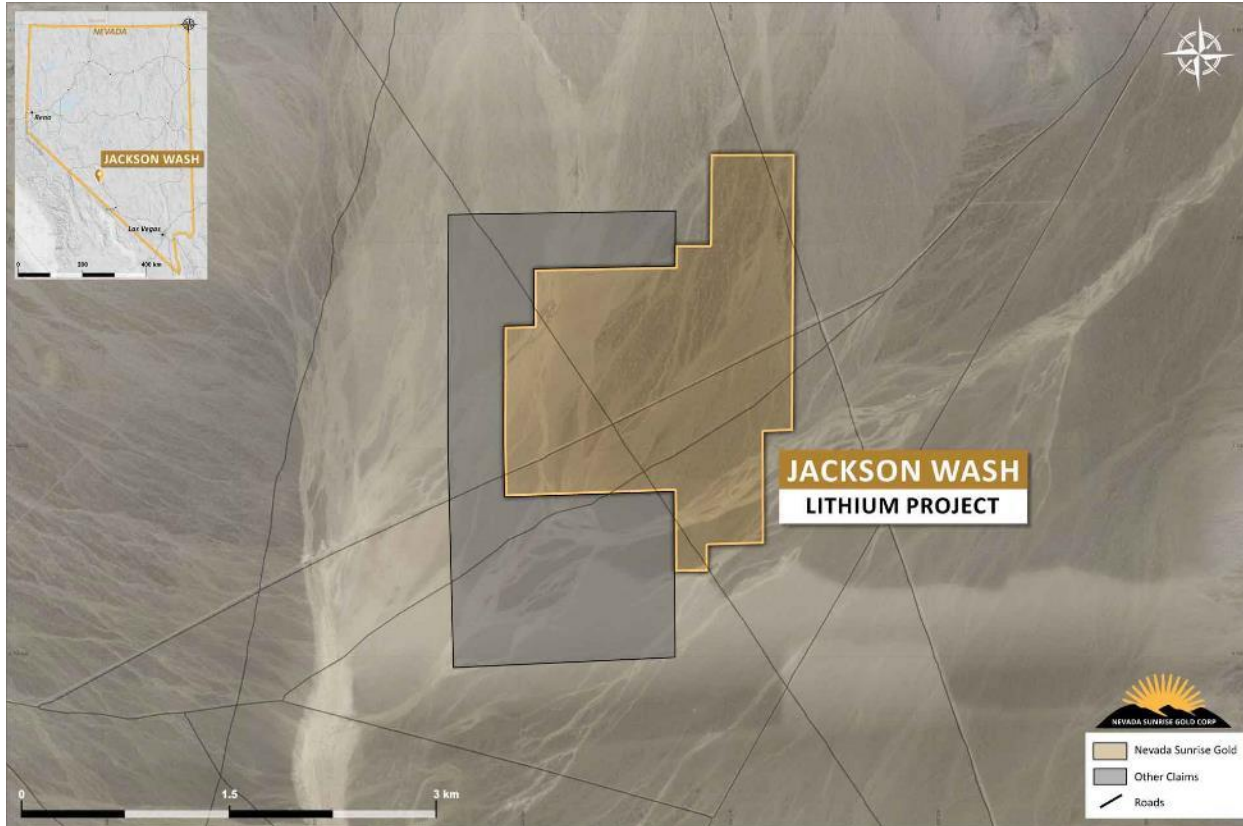
The Project is located in the Lida Valley on the east side of the Montezuma Range approximately 20 miles (30 km) southeast of Silver Peak, Nevada, where Albemarle Corp. operates the only lithium mine in North America in the Clayton Valley.

Nevada Sunrise owns a 100% interest in Jackson Wash. In 2017, one hole was drilled for lithium brines – groundwater was encountered, which may allow for additional water use applications. The Project has potential for Lithium-bearing clay mineralization and multiple geophysical targets remain untested.

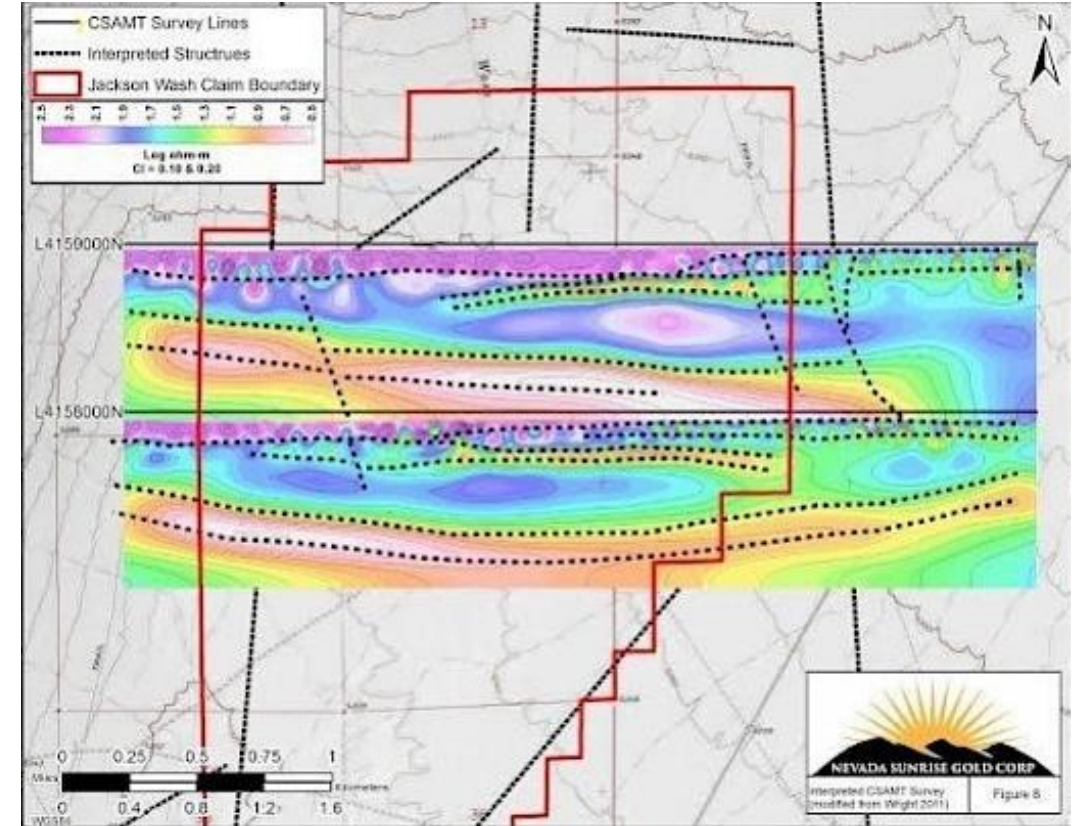




Jackson Wash Lithium Project



Claims Map



Historical Geophysical Survey



Badlands Lithium Project



The Badlands Lithium Project (“Badlands”) is 100%-owned by NEV and consists of 54 unpatented claims on Bureau of Land Management land totaling approximately 1,200 acres (485.6 hectares). Badlands lies roughly halfway between the Company’s Gemini and Jackson Wash Lithium projects.

The general topography of the Project is reminiscent of the TLC lithium property in Nye County, which led to a surface investigation by Nevada Sunrise in March 2022.



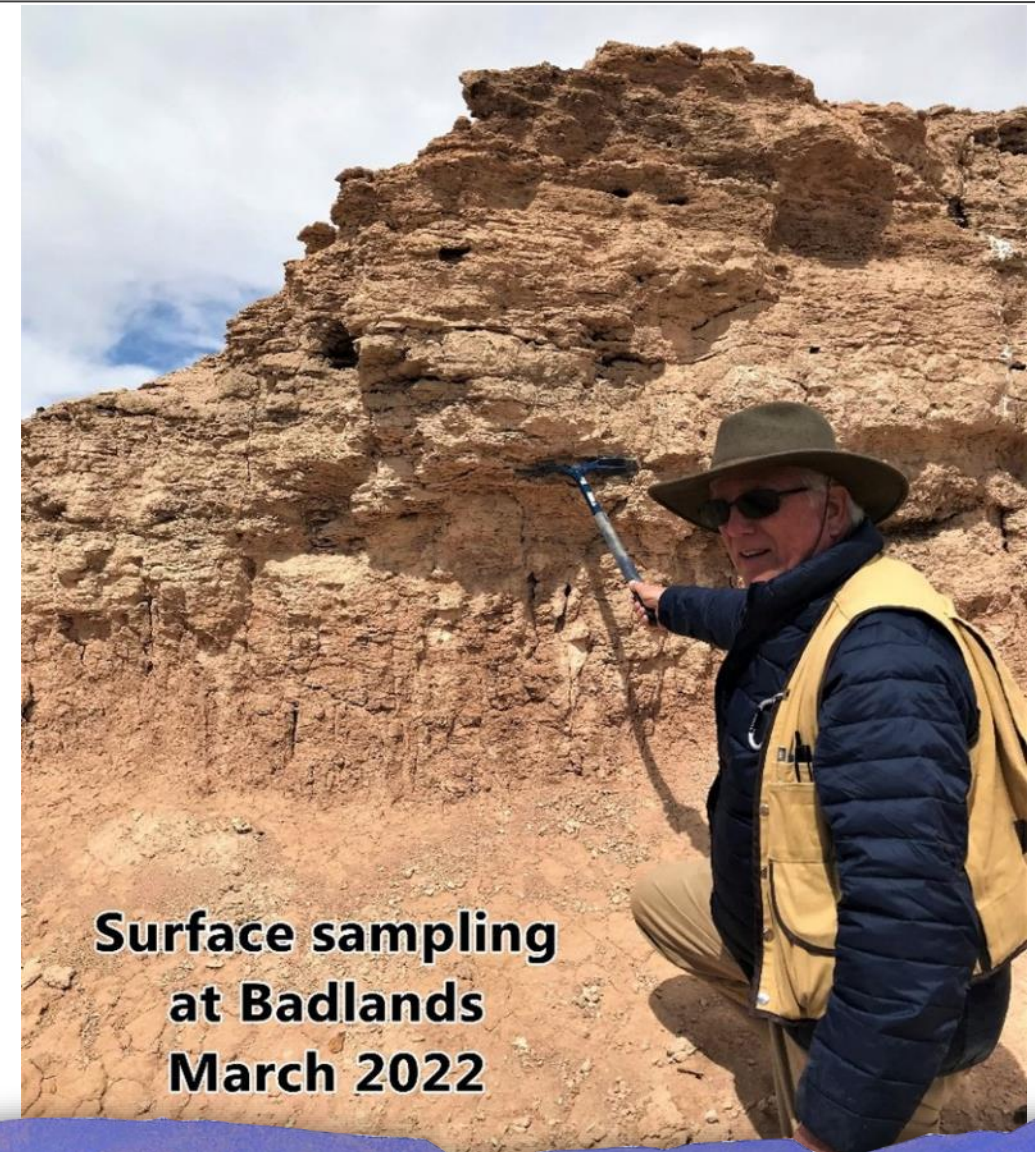


Badlands Lithium Project



In March 2022, samples were collected by NEV in a reconnaissance prospecting program, from which six outcrop samples were randomly selected for analysis and subsequently returned anomalous values of Lithium ranging from 70.0 ppm to 165.8 ppm Lithium.

Drilling will be required to determine the total thickness of the deposits. Judging by the flat dips and weak induration it has been inferred by previous investigations that these deposits of volcanic ash beds and alluvium are Pleistocene-aged or younger. They appear to be dissected playa deposits like those found in the Clayton Valley and other playas in Esmeralda County and Nye County.



**Surface sampling
at Badlands
March 2022**



Board of Directors & Management



Warren W. Stanyer | President, CEO and Director:

Warren Stanyer is a mineral exploration industry executive with over 27 years of experience in Canadian public company administration. He previously served as an officer of Pioneer Metals Corporation, which was acquired by Barrick Gold Corporation in 2006, and as an officer until 2007 of UEX Corporation. Mr. Stanyer was President, CEO and a director of Northern Continental Resources Inc., when it was acquired by Hathor Exploration Ltd. in November 2009, and was an officer and director of Alpha Minerals Inc., which was acquired by Fission Uranium Corp. (TSX:FCU) in 2013 following the Patterson Lake South uranium discovery. He acts as Chairman and CEO of ALX Resources Corp. (TSXV: AL), and an officer and director of New Moon Minerals Corp., a private mineral exploration company.

Jonathan Fung | CFO:

Jonathan Fung, CPA provides accounting, financial reporting, and regulatory compliance services to publicly listed and private companies as a Financial Reporting Manager at Treewalk Consulting. He obtained his Bachelor of Commerce (with Honours) degree in accounting from the University of British Columbia in 2013. Jonathan articulated at D&H Group LLP Chartered Professional Accountants where he provided accounting, assurance, and income taxation services to publicly listed and private companies. After working in Assurance Services at Ernst & Young LLP, he joined Treewalk Consulting of Vancouver, BC in 2019 until 2024. Jonathan is a member of the Chartered Professional Accountants of British Columbia.



Board of Directors & Management



Michael D. Sweatman | Director and Chairman:

Michael Sweatman is a Chartered Professional Accountant and has operated MDS Management Ltd., a Vancouver-based management consulting company, since November 1992. He obtained his Bachelor of Arts degree in economics and commerce from Simon Fraser University, gained his CA designation in 1982, and is a CPA in both British Columbia and the Yukon Territory. He has served as a director and officer of a number of public companies over the past 30 years, and is currently a director of Storm Exploration Inc. (TSXV: STRM). Mr. Sweatman is Chairman of the Nevada Sunrise Audit Committee.

Suraj P. Ahuja | Director:

Suraj Ahuja, M.Sc., P.Geo., is President and Principal Geological Consultant of SKAN Consulting Inc., based in West Vancouver, BC, Canada. Mr. Ahuja has over 40 years of mineral exploration and management experience in Canada, the U.S., and South America and provides geological consulting services to several major and junior exploration companies in Canada and overseas. Prior to forming his own company, Mr. Ahuja also worked for Saskatchewan Mining and Development Corporation, a predecessor company to Cameco Corporation, and PNC, a Japanese-based uranium exploration company. He served as a director of UEX Corporation until its acquisition by Uranium Energy Corporation in 2022. Mr. Ahuja is a member of the Nevada Sunrise Audit Committee.

Cory H. Kent | Director:

Mr. Cory H. Kent has been a lawyer and partner at McMillan LLP since February 2003, practicing in the area of securities and corporate law with a focus on companies in the mineral resources industry. Mr. Kent has a LLB from the University of British Columbia and Bachelor of Arts from Carleton University.



Board of Directors & Management



Charles E. Roy | Director:

Charles Roy earned a B.Sc. in geology from Acadia University, Nova Scotia in 1972. Early in his career, Mr. Roy was employed by the mining engineering and geological consulting firm of David S. Robertson and Associates and worked in Canada, the United States and in Africa. In 1979, Mr. Roy joined a predecessor company of Cameco Corporation (“Cameco”, TSX:CCO) as a Project Geologist, thus beginning a career with Cameco that would span 33 years. In 1988, Mr. Roy transferred to Cameco Gold and managed an exploration office in Reno, Nevada from 1991 to 1994. Mr. Roy returned to uranium exploration in 1994 and over the next 18 years managed exploration programs in the Athabasca Basin area of northern Canada. During this period Mr. Roy oversaw exploration teams that discovered and delineated seven significant uranium deposits, including Millennium. Later at Cameco, Mr. Roy worked to negotiate new exploration opportunities and helped to consolidate and streamline its worldwide exploration portfolio. Mr. Roy also serves as a Technical Advisor of ALX Resources Corp. (TSXV:AL).

Christina Boddy | Corporate Secretary:

Christina Boddy is a member of the Canadian Society of Corporate Secretaries and has acted as Corporate Secretary for numerous public companies in recent years, including Resinco Capital Partners (TSXV:RIN), Teslin River Resources (TSXV:TLR), Cue Resources Ltd. (TSXV:CUE), and Prophecy Platinum Corp. (TSXV:NKL). Ms. Boddy acts as a consultant to public and private companies through Rhodanthe Corporate Services, a B.C.-based private company.



Technical Advisors



Robert (“Chip”) Allender, Jr., CPG – Chip has a 40-year career as a geologist on six continents and 20 countries in exploration and mine development. Authored technical reports for Neptune and Jackson Wash lithium projects in 2016 and supervised lithium brine and Coronado drilling programs for Nevada Sunrise from 2016-2020, and at the Gemini Lithium Project in 2022-2023.

Theodore (“Ted”) DeMatties, CPG, P.G. - Over 40 years of geological experience in the U.S. and Canada, and an independent geological consultant since 1993. His emphasis is on VMS, magmatic copper-nickel-PGM, IOCG deposits with a proven discovery record. Strong background in geologic mapping, core logging, geophysical methods, preparation of technical reports, permitting and regulatory issues.

Dan Zampirro, CPG, P.G. - Dan is a graduate of the Mackay School of Mines, University of Nevada, and later supervised well drilling and interpretation of the local hydrogeology at the Round Mountain Gold Mine in Nevada. In 2000, Dan joined the exploration team at the Silver Peak Lithium Mine where he supervised the Lithium brine well-field system and exploration drilling to define the reserve potential of Lithium-bearing brine. His 2003 paper, “Hydrogeology of Clayton Valley Brine Deposits, Esmeralda County, Nevada” is widely regarded as a landmark description of the Clayton Valley aquifer system and its lithium brine deposits.

Dr. John Oldow, Ph.D., has over 40 years of experience in the field of geology, His work is largely field-based and includes geologic mapping and the application of structural and stratigraphic analysis, potential-field geophysics, GPS geodesy and Terrestrial Laser Scanning to better understand regional tectonics. He attained a Bachelor of Science, Geology from the University of Washington in 1972 and his Ph.D. in Geology from Northwestern University in 1978. Among the many tributes he has received in his long academic and professional career, Dr. Oldow has served by invitation on numerous committees for the National Science Foundation, and is a Fellow of the Geological Society of America (1992).



NEVADA SUNRISE METALS CORP.

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