



EXPANDING THE BOUNDARIES OF THE LITHIUM SUPPLY CHAIN

CSE: PNRG • OTC: PAANF • FRA: SS60
2024 CORPORATE PRESENTATION



Investment Highlights

North American assets located in top mining jurisdictions (Nevada & Ontario) based on the Investment Attractiveness Index

- ✓ **Diversified asset base** - hard rock (LCT-Pegmatite) and claystone
- ✓ Projects are **adjacent to industry peers** with large lithium resources (disclosed in accordance with NI 43-101 or S-K 1300)
- ✓ **Domestic sources of battery metals are a national priority** (Defense Production Act, Mineral Security Partnership, Inflation Reduction Act, Critical Minerals Strategy, etc)
- ✓ Lithium discoveries made by **leading geologists** at both properties
- ✓ Horizon Mineral Resource Estimate totals over **1.3 million tonnes of indicated** and **8.8 million tonnes of inferred lithium** carbonate equivalent resources, making it one of the largest in the United States.
- ✓ Excellent **infrastructure** in place with access to services and functional logistics
- ✓ Project assays have yielded **economically recoverable** resources with off-take customer in near proximity

The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company's property.



Project Highlights



Horizon Lithium Project (Nevada)

- 839 claims (7,015 ha / ~17,334.44 acres) in the premier region for lithium deposition in North America
- Completed a 21 hole drill program (2023) with a total of 14,342.50 ft
- Mineral Resource Estimate totals over 1.3 million tonnes of indicated and 8.8 million tonnes of inferred lithium carbonate equivalent resources – **One of the largest identified lithium deposits in the USA**
- Encountered shallow overburden with long continuous lithium host claystone intercepts, testing as high as 2,040 ppm lithium
- Adjoins American Battery Technology's Tonopah Flats Project (NASDAQ: ABAT \$140.56M USD*) - one of the largest lithium projects with a [total quantified resource of 21.15 million tons of lithium hydroxide monohydrate \(LHM\)](#) and recipient of the DOE Bipartisan Infrastructure Law grant
- South of American Lithium's (CVE: LI, \$269.98M CAD*) TLC project

Big Mack Lithium Project (Ontario)

- Over 20+ pegmatites identified across the property with three priority – Big Mack, Eleven Zone and Sprinkler/6059
- Completed magnetic survey, LiDAR and prospecting program, and Phase 1 drilling program with multiple high priority drilling targets being explored – **Phase 2 currently underway**
- Big Mack Drill Program results included **intersecting 32.34 m at 1.49% Li₂O**
- Fully Funded for ongoing core drilling, geophysics, and mineral resource estimation
- Adjacent to Avalon Advanced Materials Inc's (TSE: AVL. \$50.43M CAD*) Big Whopper Project, [recipient of C\\$63M strategic investment by Sibelco, 10.08 Mt @ 1.35 Li₂O Measured & Indicated Resource](#)
- Active hard rock lithium research is being conducted on the property by the University of Manitoba
- Petalite has been historically commercially approved by Corning

*Market capitalization as of January 29, 2024

*Top mining jurisdictions as per the Fraser Institute, <https://www.fraserinstitute.org/studies/annual-survey-of-mining-companies-2021>

The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company's property.

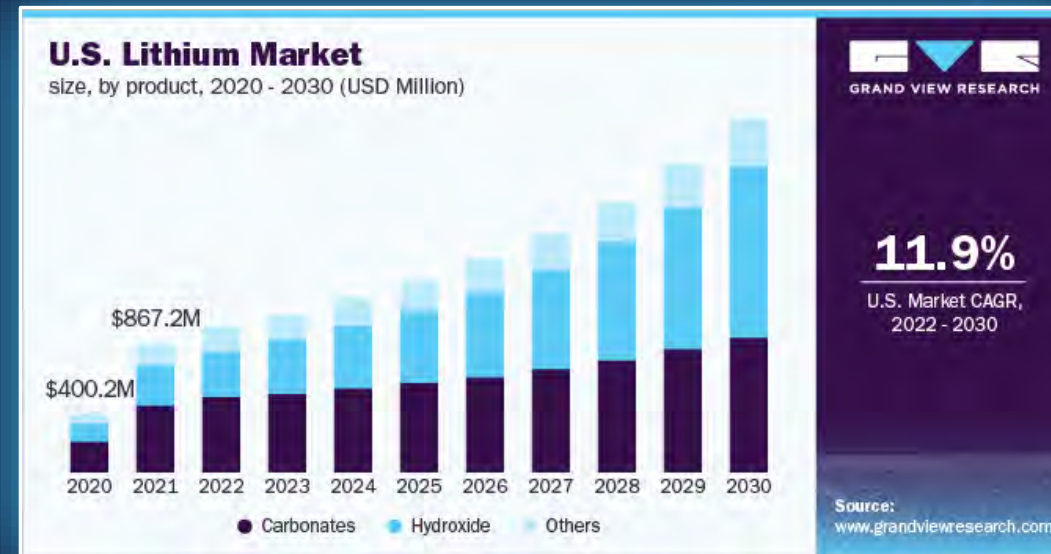
The Market

Market Growth



The global lithium market is projected to grow from USD 3.83 billion in 2021 to USD 6.62 billion in 2028 at a CAGR of 8.1% during the 2021-2028 period.

USA



Global Market

\$3.64 Billion
2020

\$3.83 Billion
2021

\$6.62 Billion
2028

CAGR 8.1%
2021 to 2028

Read More at:
<https://www.fortunebusinessinsights.com/lithium-market-104052>

USA Source:
<https://www.grandviewresearch.com/industry-analysis/lithium-market>

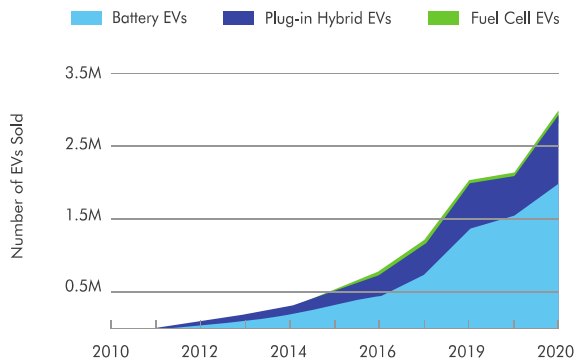
Global Market Source:
<https://www.fortunebusinessinsights.com/lithium-market-104052>

The Market Industry Drivers



More EVs on the Road

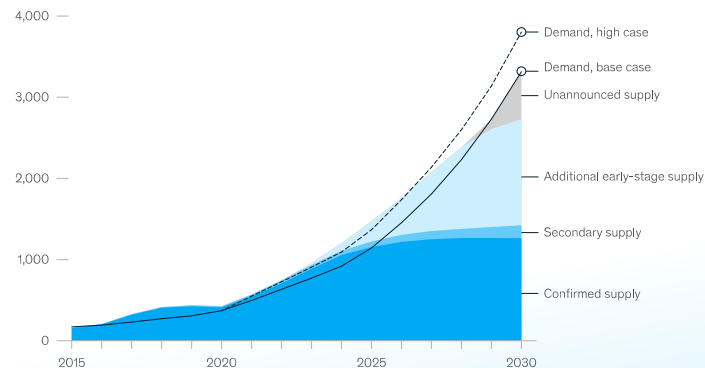
Rising consumer awareness, in addition to government incentives, is supporting the exponential rise in EV sales



Source:
BloombergNEF.
<https://www.visualcapitalist.com/sp/visualizing-the-global-demand-for-lithium/>

The lithium gap can be bridged in the second half of the decade

Global lithium supply and demand, kilotons lithium carbonate equivalent



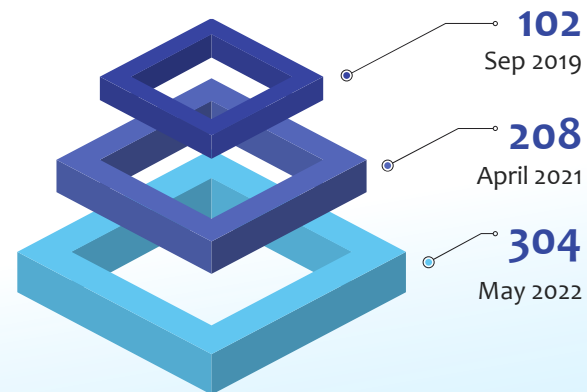
*Mined production volume. Forecasted potential production accounts for historical utilization rates as a result of external disruptions and economic curtailments (7%) – modeled at 93% of available capacity. Production includes volumes which may not have been refined, including stockpiled direct shipping ore and spodumene concentrate.
Source: MineSpans; McKinsey lithium demand model

McKinsey & Company

Source:
<https://www.mckinsey.com/industries/metals-and-mining/our-insights/lithium-mining-how-new-production-technologies-could-fuel-the-global-ev-revolution>

Global gigafactory pipeline passes the 300 mark

The 10-year gigafactory pipeline has grown 3 times since September 2019



Source:
<https://www.benchmarkminerals.com/membership/global-gigafactory-pipeline-hits-300-china-maintains-lead-but-west-gathers-pace/>

EV Manufacturers Sold*:



750,000
cars in 2016



2,900,000
cars in 2020

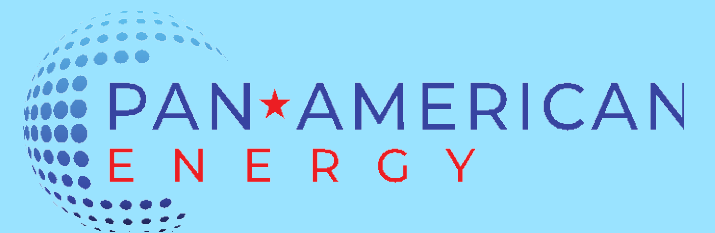
= 100,000 cars

* Figures have been rounded

Source: Exhibit 4: <https://www.mckinsey.com/industries/metals-and-mining/our-insights/lithium-mining-how-new-production-technologies-could-fuel-the-global-ev-revolution>

Horizon Lithium Project

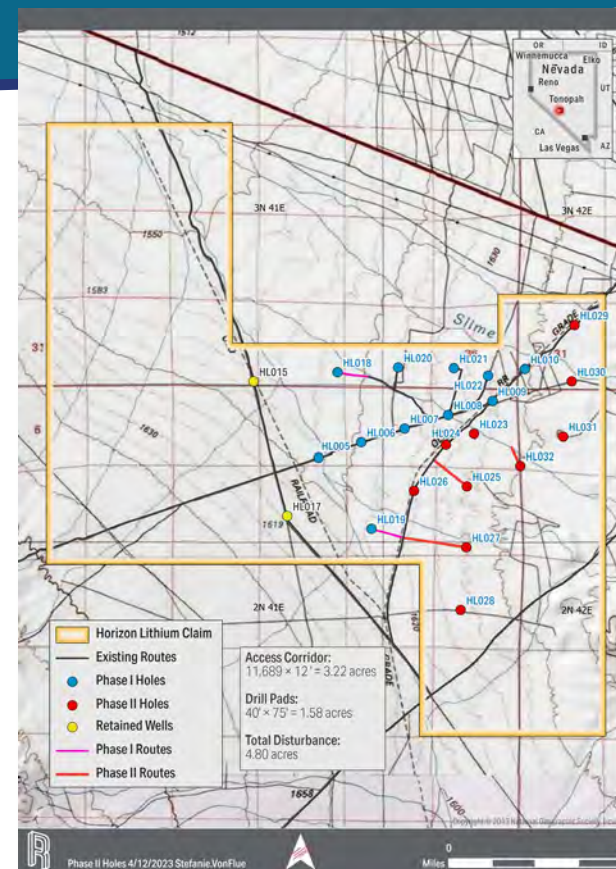
OVERVIEW



Horizon Lithium Project Overview

The Horizon Project is prospective for near-surface domestic American claystone lithium

- The Company **completed** a 21 drill program (14,432.50 ft), drilling to a max depth of 1,000 ft depth/hole
- Horizon consists of 839 claims (7,015ha) just 7.5 km from Tonopah, Nevada
- Nevada Bureau of Mines and Geology mapping shows a caldera 16 kilometers in diameter on the eastern portion of the project
- Adjacent to **DOE Bipartisan Infrastructure Law grant** award project, Tonopah Flats (**USD \$115 million**), for a first-of-kind Lithium Hydroxide claystone processing plant



Horizon
Lithium Project

TONOPAH

The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company's property.

Horizon Lithium Project 2023 Drill Program



On April 25, 2023 Pan American announced the Company's lithium discovery - encountering lithium in all drill holes sampled to date

- Results from 20 drill holes intercepted significant lithium grades at multiple broad horizons within the Siebert Formation, testing as high as 2,040 ppm
- One of the largest lithium deposits identified in the United States of America.
- Drilling program design
 - Holes Drilled = 21 (BLM, permitted for 22)
 - Minimum Spacing = 900 m
 - Overlap = 50 m
 - Maximum Depth = 1,000 ft
 - Total footage = 14,432.50 ft



DRILL CORE, HL022

Phase One & Two Drilling Highlights

Peak lithium grade of 2,040 ppm with broad zones of mineralization

• **Lithium Concentrations:** Using a **900 ppm** cut-off weighted lithium grade, eight (8) drill holes ranged from **902 ppm to 1033 ppm** with a total cumulative thickness of **2,426 feet** (Table 1). The highest measured assay value was **2,040 ppm** (HL008) at a depth of **394 ft**. Sixteen (16) drill holes produced an average weighted lithium grade above 300 ppm with a total cumulative thickness of **7,390 ft** (Table 2)

• **Shallow Overburden:** Anomalous lithium concentrations were measured at **shallow depth**, with as little as **15.5 ft** (HL030) overburden.

• **Depth of Mineralization:** Drill holes were advanced as far as **1,000 ft** of depth confirming lithium mineralization extends to a significant range. Also, the drill results show that **lithium-bearing claystone** at Horizon is extensive and **several meters thick**. The basal bedrock of the Siebert Formation was not encountered, allowing for further exploration at depth.

• **Deposit Significance:** **Exceptional drill results** have the potential to further expand on the resource magnitude in the Big Smoky Valley, Nevada.

• **Future Plans:** Geophysical, Passive Seismic and Phase 3 drilling

Table 1: Summary of Phase 1 & 2 Exploration Results (900 ppm Li Cut-off)

Drillhole <small>*HL9, HL10, HL19, HL22, HL23, HL25, HL27, HL29, HL30, HL31, and HL32 did not encounter lithium mineralization above the cut-off grade.</small>	From (ft)	To (ft)	Drilled Siebert Thickness (ft)	Weighted Li Grade (ppm)
HL005	461	491	30	963
	531	810	279	909
HL006	220	638	418	903
HL007	213	258	45	902
	283	408	125	929
	485	505	20	937
	510	520	10	929
	535	610	75	937
	665	695	30	929
	720	730	10	941
HL008	755	895	140	920
HL008	259	424	165	943
HL020	108	413	305	908
	443	598	155	902
HL021	203	223	20	1033
	239	283	20	963
	313	383	70	906
	473	508	35	906
	543	583	40	945
HL024	173	293	120	959
	428	598	170	924
	628	648	20	955
HL026	225	260	35	962
	379	468	89	929

ppm = parts per million

(a) 900 ppm Li cutoff grade applied; 10-ft minimum cut-off thickness applied.

(b) HL17 and HL18 encountered thick Quaternary Alluvium cover

Table 2: Summary of Phase 1 & 2 Exploration Results (300 ppm Li Cut-off)

Drillhole <small>*HL027, HL030, and HL 031 did not encounter lithium mineralization above the cut-off grade of 300 ppm.</small>	From (ft)	To (ft)	Drilled Siebert Thickness (ft)	Weighted Li Grade (ppm)
HL005	448	908	460	808
HL006	215	908	693	750
HL007	120	995	875	778
HL008	127	424	297	752
HL009	309	319	10	407
	354	394	40	319
	434	444	10	384
HL010	159	478	319	358
HL019	385	600	215	301
HL020	74	598	524	880
HL021	100	600	500	699
HL022	109	601	492	356
HL023	129	998	869	437
HL024	148	988	869	437
HL025	452	544	92	323
HL026	220	985	765	463
HL029	30	48	18	379
	78	113	35	306
	383	703	320	391
HL032	396	411	15	327

ppm = parts per million

(a) 300 ppm Li cut-off grade applied; 10-ft minimum cut-off thickness applied.

(b) HL017 and HL018 encountered thick Quaternary Alluvium cover.

Horizon Lithium Project Mineral Resource Estimate

The Horizon Lithium Project maiden Resource Estimate was Completed by RESPEC and Totals Over 1.3 million tonnes of Indicated and 8.8 million tonnes of Inferred Lithium Carbonate Equivalent Resources

- **One of the largest identified lithium deposits in the U.S.** with an estimated Indicated Mineral Resource of 1.3 million tonnes of Lithium Carbonate Equivalent (“LCE”) and Inferred Mineral Resource of 8.8 million tonnes of LCE, with an average grade of 678 ppm lithium.
- **High-Grade Mineral Resources.** Estimates were calculated based on a conservative 300 ppm Li cut-off within an optimized pit.
- **Rapid advancement in a short timeframe.** The MRE is based on 20 diamond drill holes completed in 2023, within a year of the Company acquiring rights to the Project pursuant to the Property Option Agreement. One hole was abandoned due to hole conditions and was not used in the MRE.
- **Significant expansion potential** through step-out drilling to extend the deposit to the North West, South, East and West and at greater depths. The Company is actively evaluating geophysical exploration techniques and Phase 3 drill planning.

Table 1. Mineral Resource Estimate for the Horizon Lithium Project

Classification	Cut-off (ppm Li)	Total KTonnes	Average Grade (ppm Li)	Li KTonnes	LCE KTonnes
Indicated	300	372,845	669	249	1,325
Inferred	300	2,453,963	680	1,668	8,879

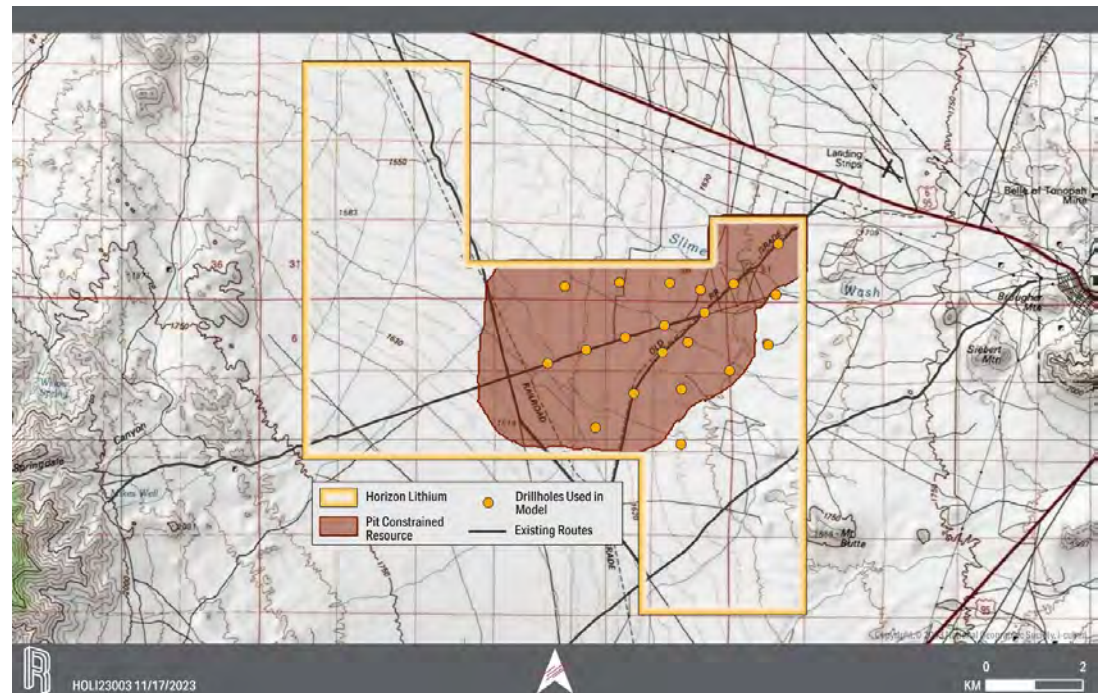


Figure 1 — The Project boundary, 20 exploratory drillholes used in the MRE, and the Mineral Resource body showing unexplored areas to the west, northwest, east and south.

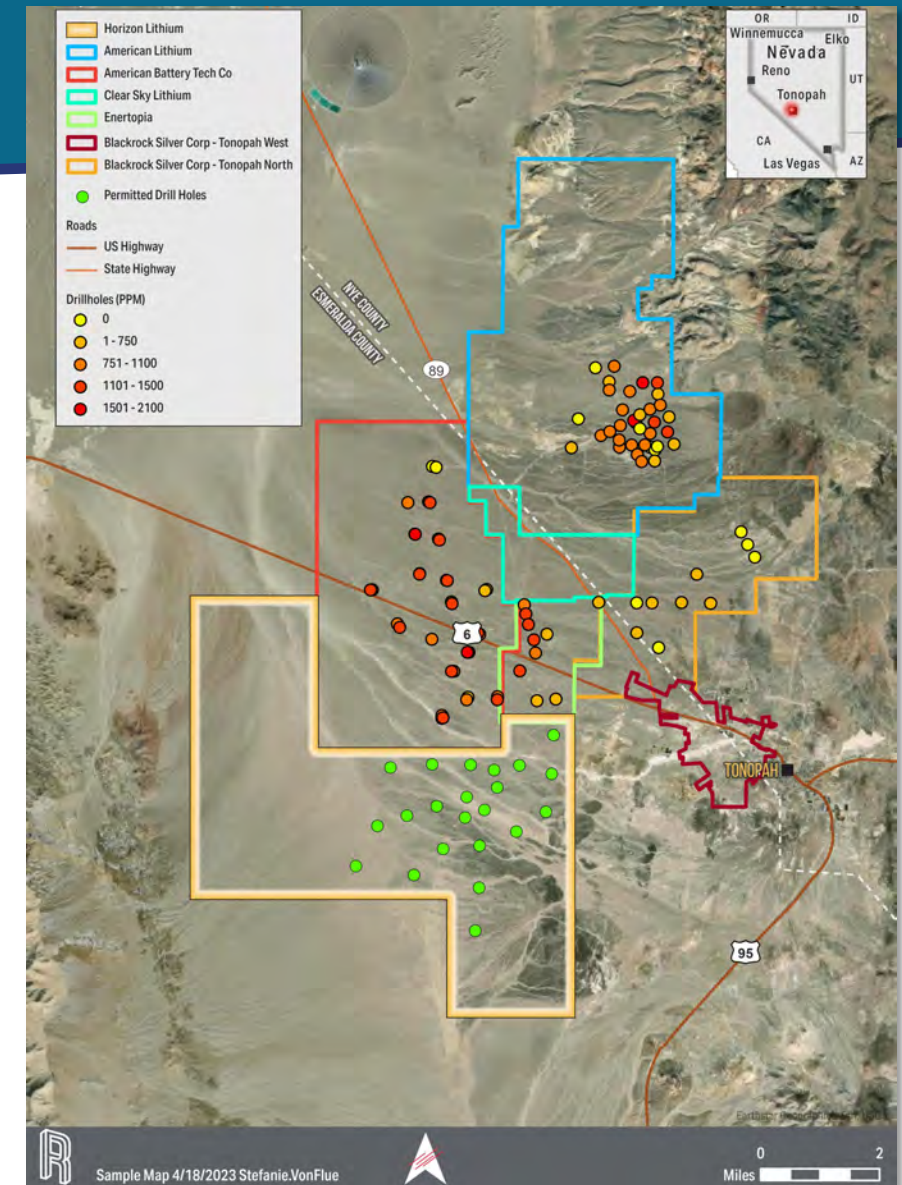
Horizon Lithium Project Adjacent Ventures

On January 18th, 2024, ABTC announced a research upgrade in the United States, with a total quantified resource of **21.15 million tonnes** of lithium hydroxide monohydrate(LHM)¹

- Pan American's preliminary drill results are especially significant because of lithium mineralization beginning near surface and extending to depth
- The project resides in one of the top lithium jurisdictions in North America
- Drilling indicates significant claystone hosted lithium endowment in the North Big Smoky Valley basin
- Pan American is aligned with RESPEC, a strategic consultant who supported ABTC's resource S-K1300 report

¹ – ABTC News Release

The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company's property.



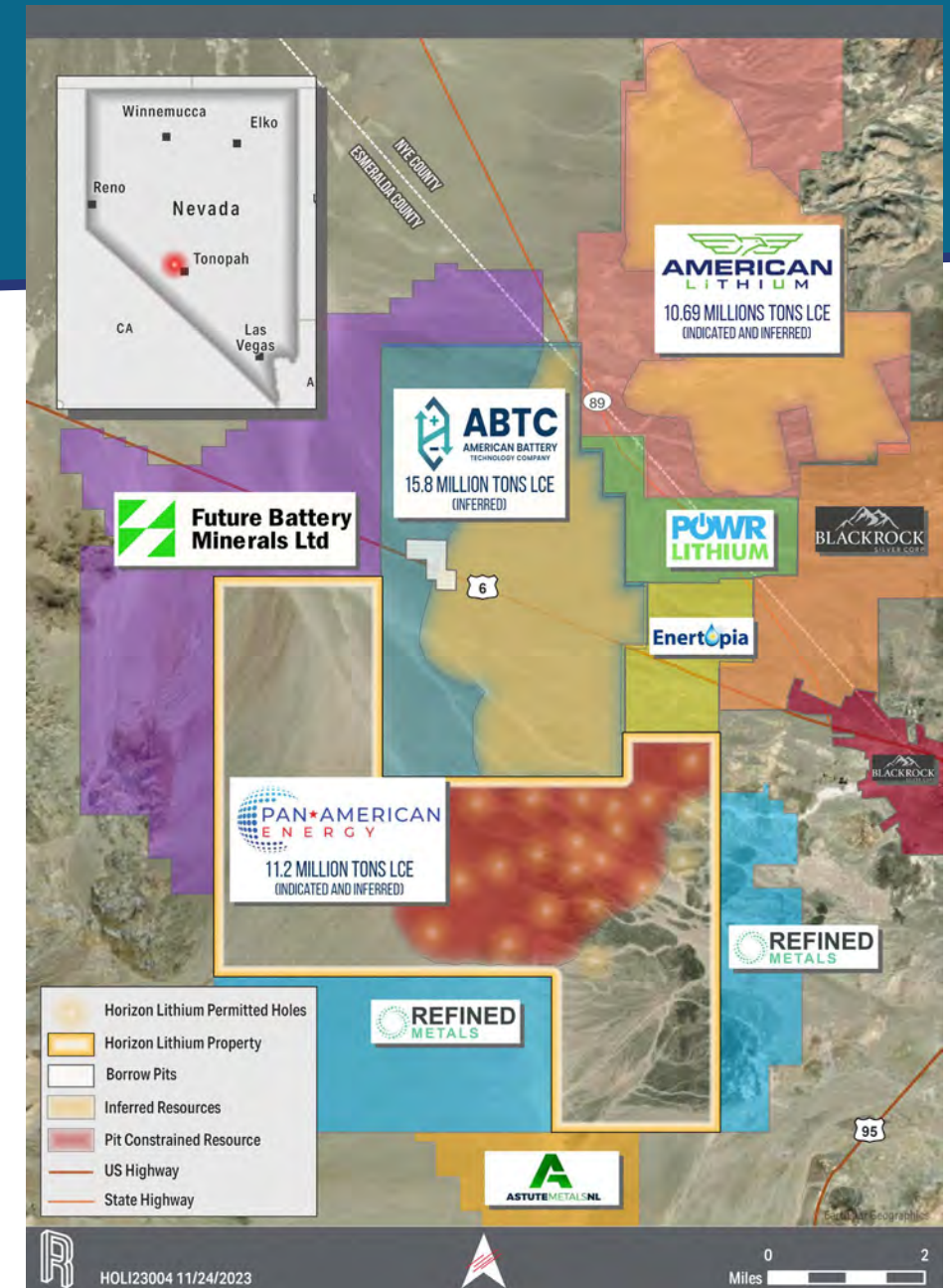
Horizon Lithium Project Geology

Horizon's 7,015ha claim area adjoins American Battery Technology's ("ABTC") Tonopah Flats project.

Pan American Energy and surrounding companies show Li grades at depths that indicate the Seibert Formation to be the primary host for mineralization

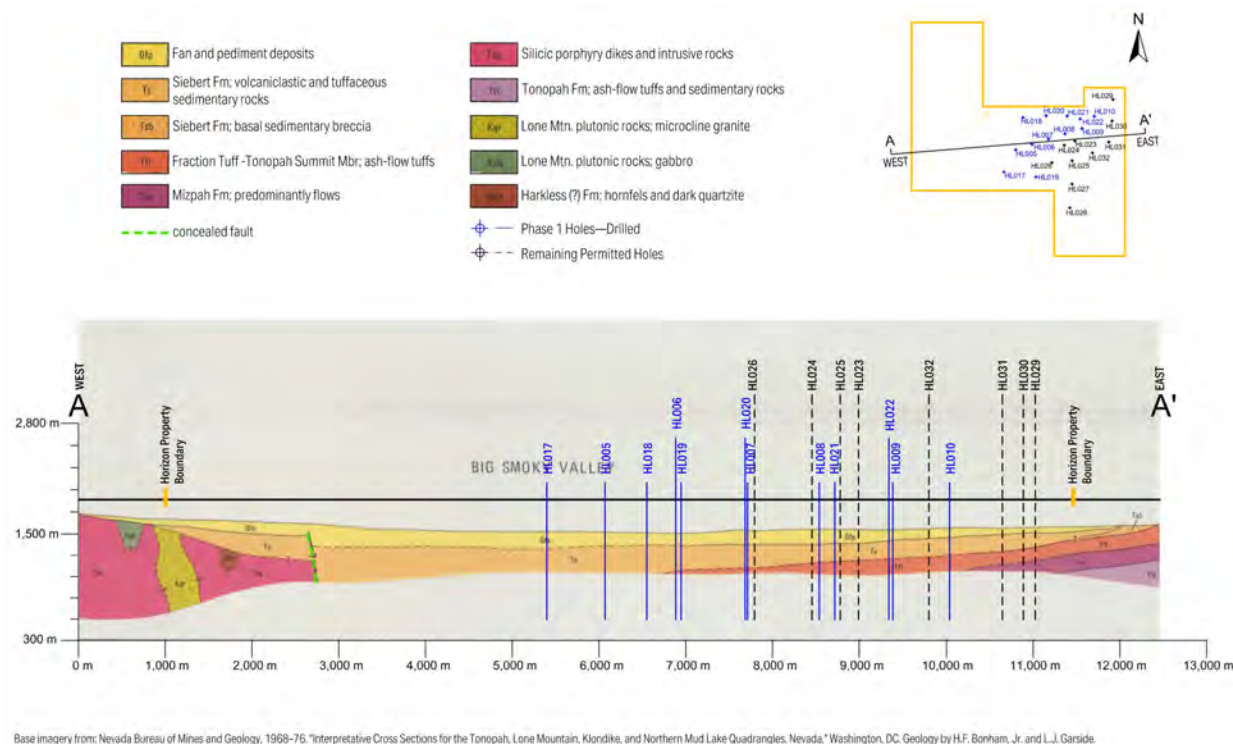
- The Horizon Lithium Project, located in west-central Nevada, spans over 70 square kilometers, and the mineral resource estimation pertains to just 31.5% of the total area
- Regional peer analysis indicates lithium is weakly bound to the clays
- Drilling has proven limited overburden with continuous clay intercepts at depth
- The Company is targeting the Siebert Formation, which has been proven to host significant lithium grades at multiple horizons

The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company's property.

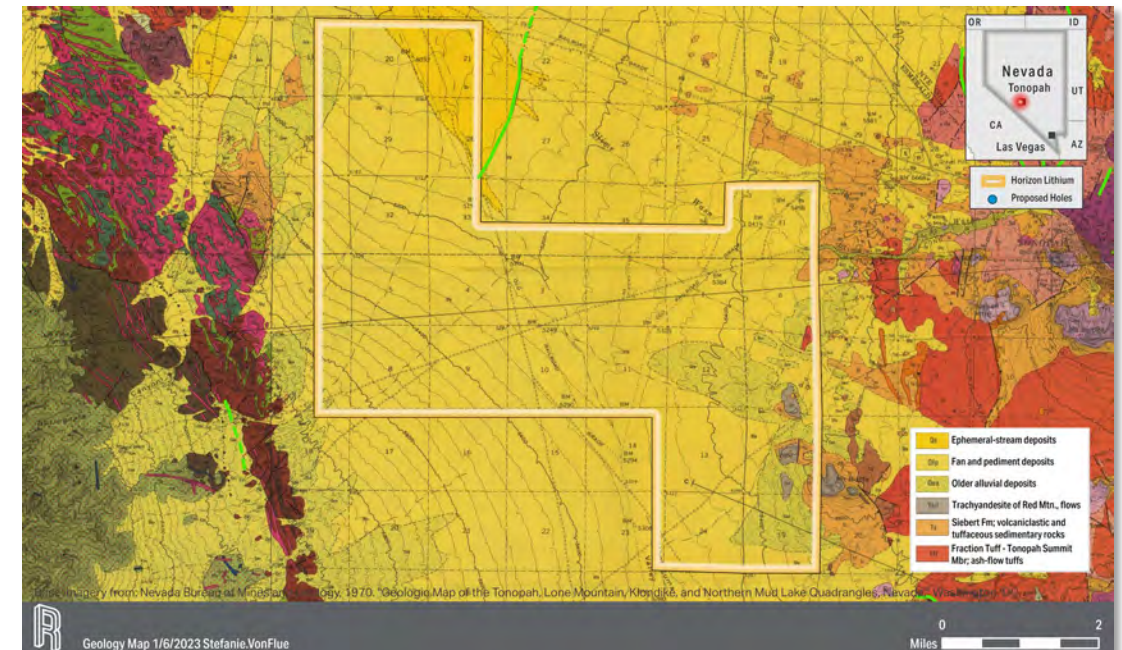


Horizon Lithium Project Geology

An accompanying cross-section which bisects the Horizon claims illustrates the local stratigraphy, including the presence of Seibert Formation overlain by Quaternary sediments

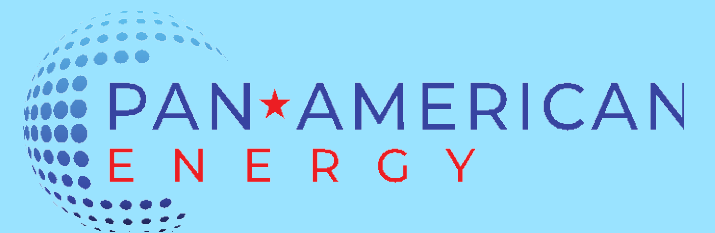


A Nevada Bureau of Mines & Geology Bulletin documented Seibert Formation outcrops along basin margins, to either side of Horizon property as displayed in the 1979 geologic map



Big Mack Lithium Project

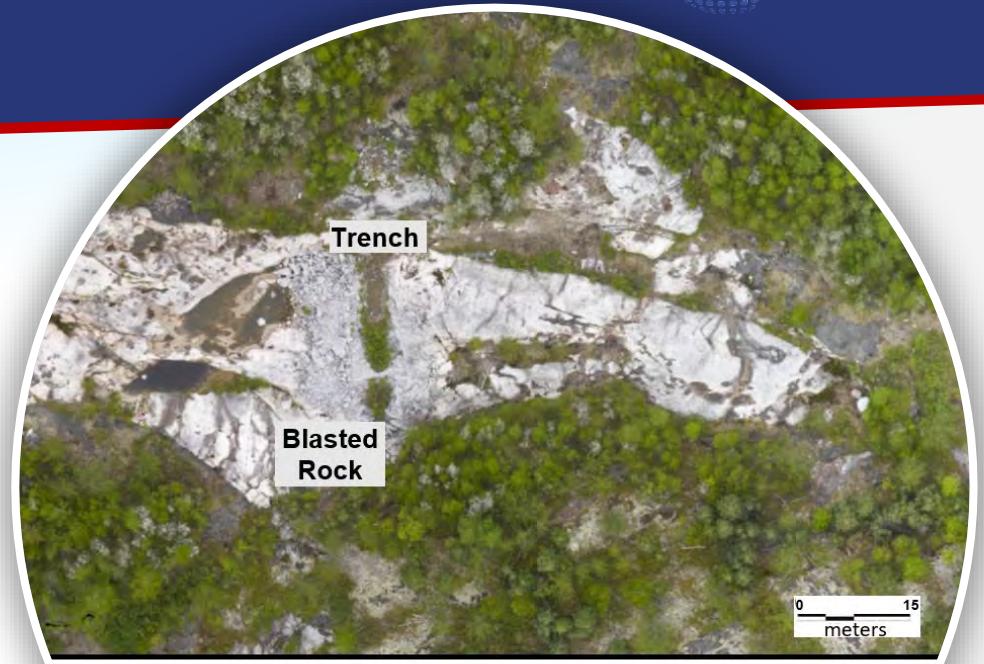
OVERVIEW



Big Mack Project Overview

Targeting battery-grade lithium production for electric vehicle and energy storage

- Property contains **rare-metal mineralization** similar to world class TANCO (Manitoba) and Bikita pegmatites (Zimbabwe)
- Petalite concentrate created from a 5-tonne sample from the Big Mack Pegmatite was approved by Corning Laboratory Services of Corning, New York
- The project has an existing closure plan allowing for **accelerated exploration and development**
- Ideal location to ship material to the **proposed lithium processing facility** in Thunder Bay



**Image of the Central Portion of the
Big Mack Pegmatite Exposure**

Map Projection NAD83 UTM Zone 15
December 15 2021
Photo Courtesy of A. Canacho

For further information regarding the exploration information contained herein regarding the Big Mack Property, including additional information regarding sample, analytical and testing results, please see the Company's technical report with respect to the Big Mack Property entitled Technical Report on the Big Mack property, Kenora Mining District Northwestern Ontario, Canada with an effective date of December 12, 2022 filed on the Company's SEDAR profile at www.sedar.com on December 14, 2022.

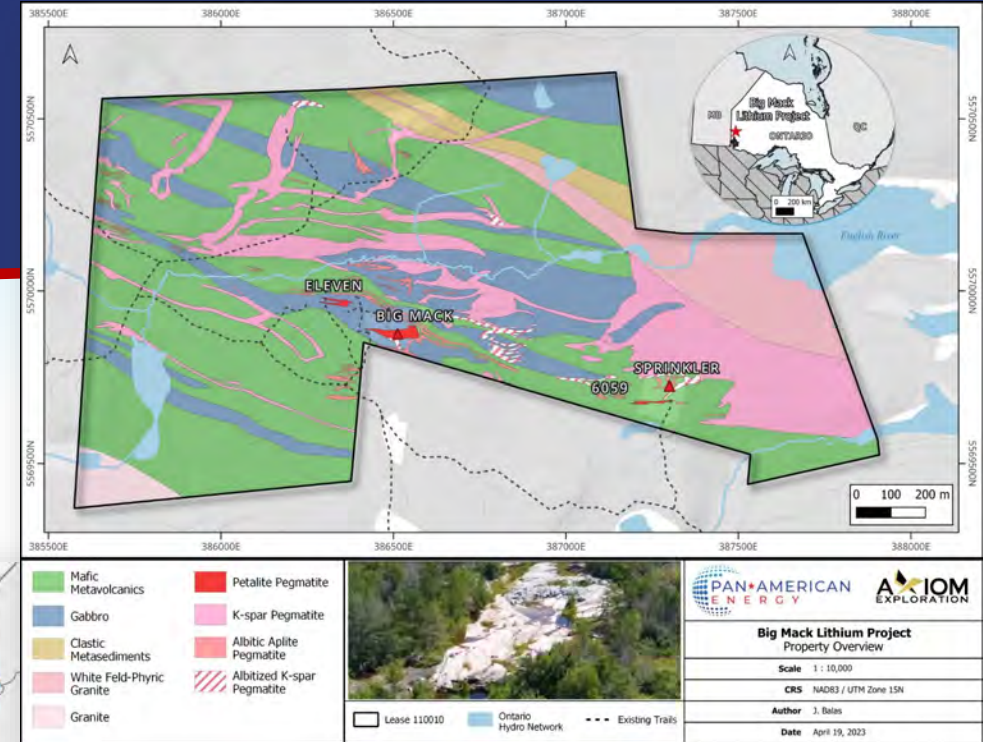
Big Mack Lithium Project Location

Located in the Paterson Lake Area, Ontario Canada

- ~80 km north of Kenora, ON
- Accessible by all-weather highway and logging roads
- ~50 km by road to Canadian National Railway (Redditt, ON)
- Proximal to existing Separation Rapids, Big Whopper Pegmatite deposit (~1.3 km):
 - Tonnage-Grade Estimates
 - **Measured:** 4.28 Mt @ 1.33% Li₂O
 - **Indicated:** 5.80 Mt @ 1.36% Li₂O
 - **Measured & Indicated Total:** 10.08 Mt @ 1.35% Li₂O
 - **Inferred:** 2.81 Mt @ 1.38% Li₂O

For further information regarding the exploration information contained herein regarding the Big Mack Property, including additional information regarding sample, analytical and testing results, please see the Company's technical report with respect to the Big Mack Property entitled Technical Report on the Big Mack property, Kenora Mining District Northwestern Ontario, Canada with an effective date of December 12, 2022 filed on the Company's SEDAR profile at www.sedar.com on December 14, 2022.

The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company's property.



Big Mack Project Drilling Program

Table 1: 2023 Big Mack Drill Hole Assay Highlights Table

Hole ID	From (m)	To (m)	Interval (m)	Li ₂ O (wt%)
BM23-001	6.5	34.48	27.98	1.13
Inc.	11.5	14.6	3.1	1.71
	23	25	2	2.11
	27	29.6	2.6	2.13
BM23-002	9.26	41.6	32.34	1.49
Inc.	11.2	16.24	5.04	1.97
	22	23.8	1.8	2.09
	26.84	28.35	1.51	1.76
	34	36.14	2.14	2.33
	38.65	41.6	2.95	1.27
BM23-003	81	84	3	0.76
Inc.	81	82	1	1.23
Bm23-004	-	-	-	No Significant Values
BM23-005	44.15	62.5	18.35	1.55
Inc.	44.15	46.5	2.35	1.99
	50.6	53	2.4	1.83
	59	62	3	1.89
BM23-006	-	-	-	No Significant Values
BM23-007	-	-	-	No Significant Values
BM23-008	-	-	-	No Significant Values

On January 22, 2024, **Pan American Energy** announced drill results, which included intersecting **32.34 m at 1.49% Li₂O**

- Drilling intercepts encountered high grade lithium-bearing petalite within the eastern extent of the Big Mack pegmatite:
 - **1.97% Li₂O over 5.04 meters and 2.33% Li₂O over 2.14 meters** within the interior of the Big Mack pegmatite of **1.49% Li₂O over 32.34 meters** (BM23-002).
 - **1.99% Li₂O over 2.35 meters and 1.89% Li₂O over 3.00 meters** within the interior of the Big Mack pegmatite of **1.55% Li₂O over 18.35 meters** (BM23-005).
 - **1.23% Li₂O over 1.00 meters** within eastern extent of the Big Mack pegmatite of **0.76% Li₂O over 3.0 meters** (BM23-003).
- Holes #1-3, and 5 show **lithium mineralization continues downwards from the surface** within the interior and eastern extent of the Big Mack pegmatite.
- Drilling results suggest **the Big Mack pegmatite body continues and remains open at depth** (assays pending to evaluate mineralization).
- Drilling results encountered **new pegmatite intersections to the south and below the Big Mack pegmatite** (assays pending to evaluate mineralization).
- The on-going drilling program is **currently testing a lithium surface anomaly that coincides with a geophysical target along strike of the Big Mack** towards the Sprinkler pegmatite.

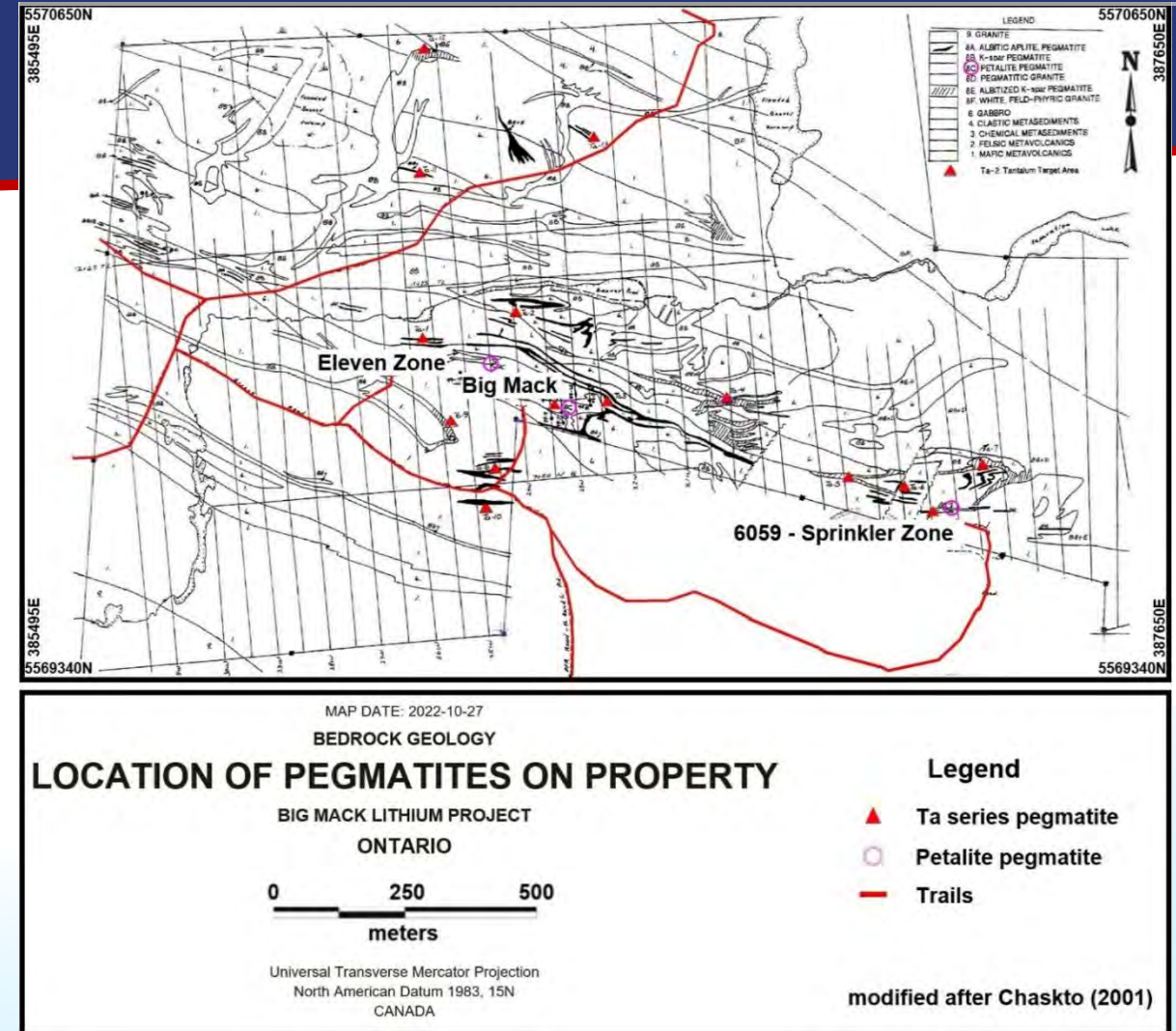
Table 2: Attributes for Drill Hole BM23-002 to BM23-008

Hole ID	Easting NAD 83/UTM Zone 15N	Northing NAD 83/UTM Zone 15N	Elevation (m)	Dip (°)	Azimuth (°)	Total Depth (m)	Core Size
BM23-001	386519.5	5569883.2	355.7	-45	180	66.00	NQ
BM23-002	386554.54	5569896.40	361.55	-45	180	72.00	NQ
Bm23-003	386568.56	5569928.06	357.49	-45	180	135	NQ
BM23-004	386582.04	5569896.33	359.93	-55	175	78	NQ
BM23-005	386406.14	5569899.36	360.18	-46	195	78	NQ
BM23-006	386406.14	5569899.36	366.23	-45	180	60.00	NQ
BM23-007	386433.34	5569903.86	364.51	-45	180	60.00	NQ
BM23-008	386421.59	5569921.93	365.18	-52	179	90	NQ

The technical content has been reviewed and approved by Jared Suchan, Ph.D., P.Geo., who is an independent consultant of the Company, and a “Qualified Person” as defined by NI 43-101. Dr. Suchan verified the data disclosed (or underlying the information disclosed) by reviewing imported and sorted assay data; checking the performance of blank samples and certified reference materials; reviewing the variance in field duplicate results; and reviewing grade calculation formulas.

Eleven Zone, Sprinkler Zone, and 6059 | Pegmatites

- Eleven Zone is the second largest petalite dike on the property
 - Eleven Zone** is interpreted as having a high potential for hosting economic reserves of petalite-tantalum mineralization (Chaskto, 2011)
- Two rare-metal zones lie 600 metres to the east-southeast of the Big Mack pegmatite:
 - 1) Sprinkler Zone** pegmatite is exposed over a length of 17 metres and a surface width of 2 metres
 - Grab samples returned tantalum values from 10 to 159 ppm
 - 2) 6059** pegmatite has been exposed over a strike length of 30 metres and a width of 5 metres
 - Diamond drill hole SR98-49 assayed over 4785 ppm Li (1.03% LiO₂) over a core length of 1.40 metres

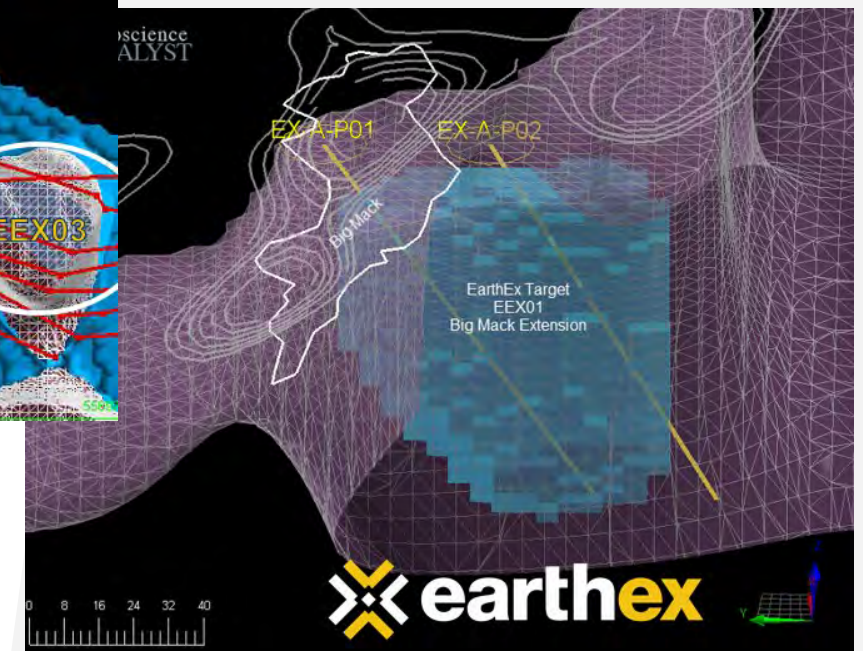
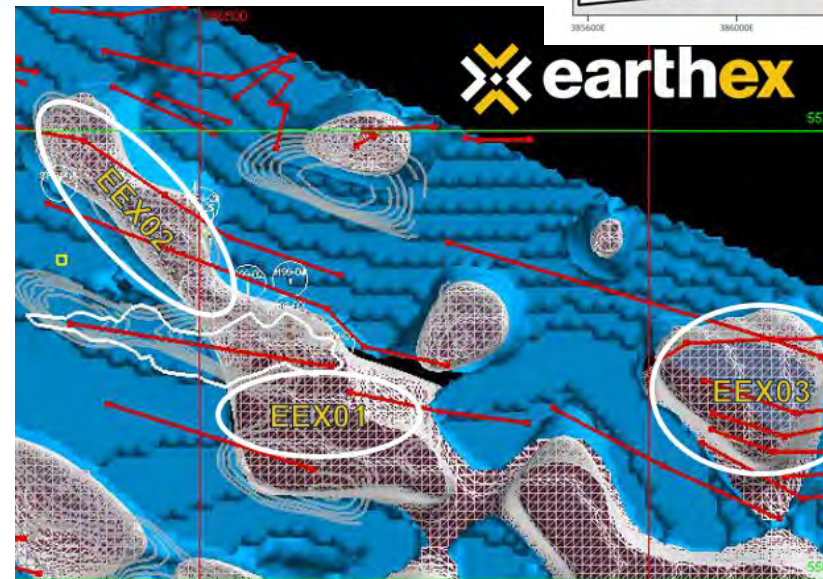
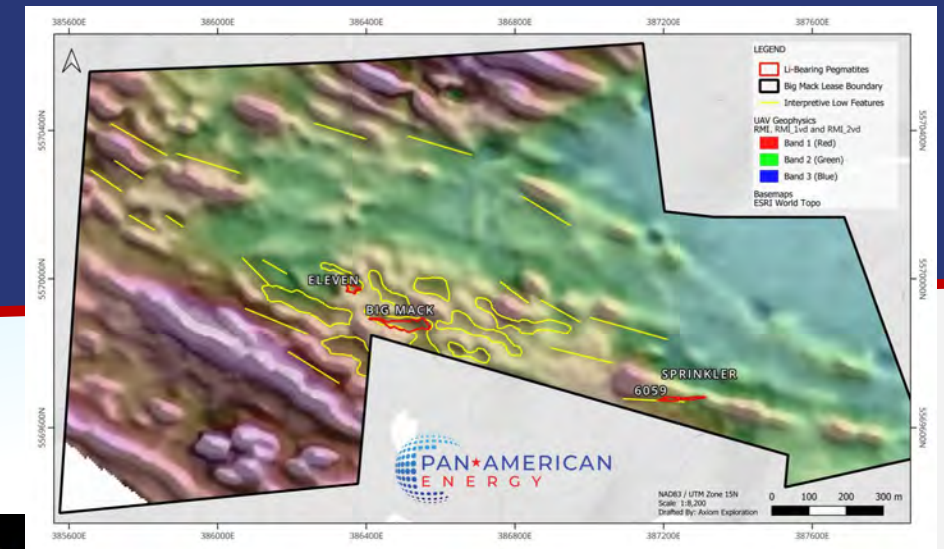


Geophysical Program: Magnetic Survey

The UAV-Borne Magnetic survey was completed by EarthEx Geophysical Solutions Inc. and was successful in identifying multiple prospective features exhibiting low magnetic responses which have been interpreted to have the potential to host lithium-bearing pegmatites

- Collaborative Separation Rapids project between Pan American Energy Corp, Avalon Advanced Materials, EarthEx Geophysical Solutions Inc., and University of Manitoba's Earth Sciences department
- Identified multiple prospective features exhibiting low magnetic responses interpreted to have the potential to host lithium-bearing pegmatites
- Three high priority targets zones have been identified at the Project (EEX01, EEX02, and EEX03)
- LiDAR and Radiometrics work is underway

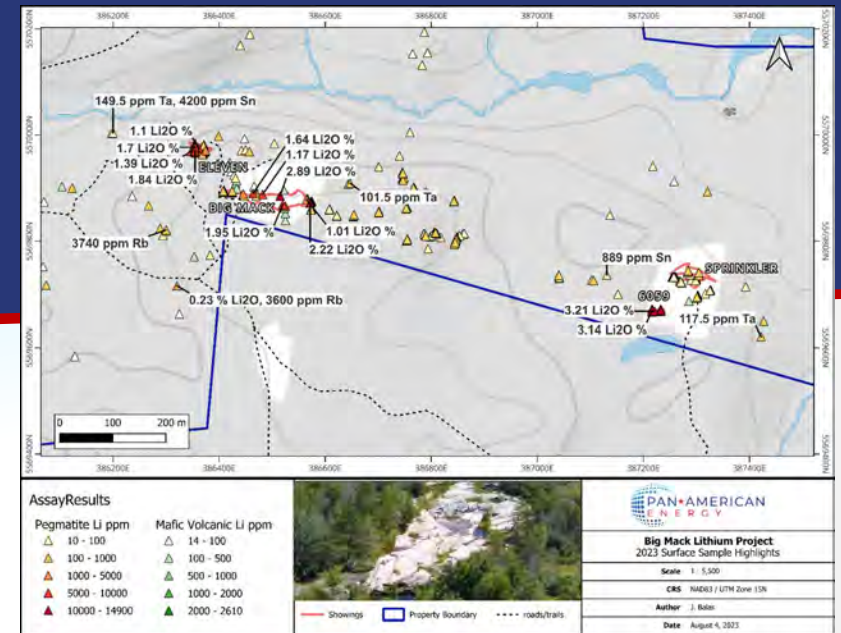
Daniel Card, President of EarthEx. "The correlation between historic drilling and the 3D modelled magnetic low directly below Big Mack, as well as the 2D representation of the mineralization's surface expression, are among the best EarthEx has seen to date."



2023 Summer Prospecting Program

Samples graded up to 3.21 % Li₂O, with 25 samples reporting lithium assays above 1.00% Li₂O from the Eleven, Big Mack, and 6059 zones.

- A total of 342 grab/channel samples were collected with 98 collected shown to be above determined background threshold lithium values
- 25 Samples graded above 1.00% Li₂O - all three pegmatites (Eleven, Big Mack, and 6059 zones) have visible petalite at surface
- Assays appear to show a geochemical trend (>1 km) continuing along strike between the Big Mack and Sprinkler/6059 Pegmatites
- Channel sampling returned 1.06% Li₂O over 19.30 m across the Eleven Zone, and 1.72% Li₂O over 6.30 m at the 6059 Pegmatite
- Assays showed anomalous tantalum, tin, and rubidium, associated with the complex-type petalite bearing LCT pegmatites, including assays up to 150 ppm tantalum and 4200 ppm tin.



SAMPLE ID	Type	NAD 83/UTM Zone 14N		Li ₂ O %	Ta ₂ O ₅ ppm	SnO ₂ ppm	Rb ₂ O ppm	Comment
		EASTING	NORTHING					
633201	Grab	387221	5569668	3.21	15	28	5577	6059 - Petalite Pegmatite
633087	Channel	387216	5569669	3.14	10	66	3784	6059 - Petalite Pegmatite, over 1 m
632959	Grab	386515	5569885	2.89	18	58	2171	Big Mack - Petalite Pegmatite
632906	Channel	386572	5569871	2.22	27	75	1695	Big Mack - Petalite Pegmatite, over 1 m
632957	Grab	386520	5569869	1.95	38	52	5009	Big Mack - Petalite Pegmatite
632547	Channel	386355	5569970	1.84	41	154	1854	Eleven - Petalite Pegmatite, over 1 m
632534	Channel	386355	5569977	1.70	32	154	1619	Eleven - Petalite Pegmatite, over 1 m
632964	Grab	386464	5569890	1.64	71	176	1925	Eleven - Petalite Pegmatite
632967	Grab	386347	5569969	1.39	32	242	2264	Eleven - Petalite Pegmatite
632961	Grab	386482	5569888	1.17	46	46	1739	Big Mack - Petalite Pegmatite
632932	Channel	386361	5569975	1.10	33	427	2647	Eleven - Petalite Pegmatite, over 1 m
632912	Channel	386565	5569878	1.01	19	75	813	Big Mack - Petalite Pegmatite, over 1 m
633181	Grab	386321	5569716	0.23	28	738	3937	Unknown Pegmatite
632962	Grab	386470	5569885	0.07	32	222	4331	Unknown Pegmatite
633236	Grab	386300	5569821	0.06	17	80	4090	Unknown Pegmatite
632533	Grab	387422	5569621	0.06	143	413	879	Unknown Pegmatite
632977	Grab	386647	5569909	0.04	124	10	432	Unknown Pegmatite
633197	Grab	387131	5569736	0.01	53	1129	85	Unknown Pegmatite
633215	Grab	386200	5570004	0.01	183	5332	995	Unknown Pegmatite
633216	Grab	386197	5570003	0.01	128	2450	1613	Unknown Pegmatite

The scientific and technical information has been reviewed and approved by Lynde Guillaume, P.Geo. (Exploration Manager, Axiom), who is a "Qualified Person" as defined under National Instrument 43-101 – Standards of Disclosure for Mineral Projects. Ms. Guillaume is independent of the Company.

Big Mack Lithium Project Work Plan

- Prospecting, additional sampling and diamond drilling to further define the potential of the lithium and other rare-metal mineralization associated with the pegmatites
- Geophysical and subsurface 3D modelling
- Geochemistry and additional diamond drilling will enable further expansion of the Big Mack pegmatite along strike and depth and help to understand relationships of the identified pegmatites adjacent to the property
- The Fully Funded Mineral Resource Estimate (MRE) is expected in Q2 2024



For further information regarding the exploration information contained herein regarding the Big Mack Property, including additional information regarding sample, analytical and testing results, please see the Company's technical report with respect to the Big Mack Property entitled Technical Report on the Big Mack property, Kenora Mining District Northwestern Ontario, Canada with an effective date of December 12, 2022 filed on the Company's SEDAR profile at www.sedar.com on December 14, 2022.

First Nations Engagement



**WABASEEMOONG
INDEPENDENT NATIONS**

- Property lies within the traditional land use area of the Wabaseemoong Independent First Nations of Whitedog, Ontario
- Previous holders have had discussions with Wabaseemoong Independent Nations regarding exploration activities on the property
- The Company is committed to collaborating and working with the First Nation community

Infrastructure

- Hydroelectric power generating station is located at Whitedog Falls, on the Winnipeg River (68 MW capacity)
- The transmission line comes within ~30 km of the Property
- Opportunity to produce 'green lithium'

Sustainability

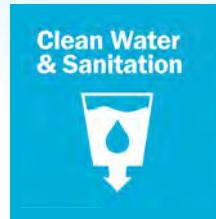
**We're working
towards a
clean energy
future for the
planet**



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation



Ensure availability and sustainable management of water and sanitation for all



Ensure sustainable consumption and production patterns



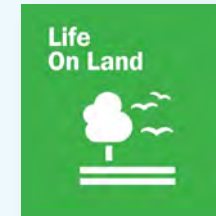
Ensure access to affordable, reliable, sustainable and modern energy for all



Take urgent action to combat climate change and its impacts



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



Protect, restore and promote sustainable use of terrestrial ecosystems sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

Management Team



Jason Latkowcer

CHIEF EXECUTIVE OFFICER & DIRECTOR

Jason Latkowcer is a commercial leader with over 10 years of experience in chemical and technology business development. He has worked directly with energy, mining, industrial, water treatment and chemical manufacturing businesses across North and South America. While working with Univar Solutions, he managed a portfolio over \$50 million per year in sales. Mr. Latkowcer has been actively consulting in the capital markets as a Director of Corporate Development focusing on mining and renewable energy opportunities globally. In addition to Pan American, Jason is supporting Vortex Energy Corp as Vice President of Corporate Development. He is a Quantic School of Business and Technology EMBA graduate (2023) and graduated from the University of Ottawa in 2011.

Paul More

CHIEF FINANCIAL OFFICER

Paul More, CPA, CA is a finance and accounting professional with over 10 years of combined experience in both public and private sectors. Prior to joining the Company, Mr. More provided CFO consulting and accounting services to clients in the health, pharmaceutical, technology, mining and real estate sectors. Mr. More obtained his Chartered Professional Accountant designation in 2011 and holds a Bachelor of Commerce with a double major in Accounting and Finance from the University of Northern British Columbia.

Sean Kingsley

DIRECTOR

Sean Kingsley is a mining investor, communicator, educator and entrepreneur. He has 16 years experience specializing in corporate development, corporate strategy, strategic marketing, investor relations and corporate communications, advising and raising capital globally. He has a firm understanding of the financial markets and broad experience in utilizing diverse methods for public communications and raising capital. His education includes completing the Mining Company Disclosure 101 program hosted by the TSX-V and IIROC, Mining Essentials program at the British Columbia Institute of Technology and also the Public Companies' Financing, Governance and Compliance Course at Simon Fraser University. Mr. Kingsley is currently CEO of Gold Hunter Resources Inc., director of Corporate Communications for Enduro Metals and is President & CEO of his own consulting firm, Mango Research and Management Inc., Strategic Advisor to Stuhini Exploration Ltd. and director of Pan American Energy Corp., Alpha Copper Corp, Legacy Lithium Corp., and Vulcan Resources Corp.. He served as Chair of the Association for Mineral Exploration BC's Communications and Marketing committee from 2014-2018 and remains a committee member. He has sat on the Executive and Advisory Council for the Centre of Training Excellence in Mining since 2016.

William Gibbs

DIRECTOR

With nearly two decades of distinguished experience in commodity and specialty chemical distribution, William Gibbs is a visionary executive strategist. His 13-year tenure at Univar Solutions saw him expertly managing strategic energy accounts on both domestic and international fronts. For the past five years, Mr. Gibbs has held the helm at Griffina Abner Consulting LLC, a premier consultancy celebrated for its precision-driven roadmaps and high-impact execution, delivering remarkable value to stakeholders. Currently, Mr. Gibbs spearheads groundbreaking initiatives in sustainable technology. His focus revolves around devising and actualizing eco-friendly chemical alternatives, set to transform the energy, water treatment, and mining sectors. A 2005 graduate of the University of Calgary, he earned a BSc in Chemistry/Mathematics. William Gibbs embodies transformative leadership, reshaping industries and forging a greener, more promising future.

Nicky Grant

DIRECTOR

Nicky Grant brings with over 18 years of experience in investment banking. Nicky started her career in the US Institutional Desk at Goldman Sachs before moving to the Special Execution Group in Corporate Finance, where she specialized in debt capital markets. She then worked for UBS as part of their Transaction Management Team and focused on global capital markets, with a particular focus in Emerging Markets. She then re-joined Goldman Sachs as a Vice President and joined their Equity Capital Markets team covering UK companies. Nicky became Head of Corporate Advisory for Ocean Wall Limited., a market-leading investment house specializing in all aspects of niche alternative investing and advisory. Ms. Grant also holds roles as UK/European IR and Corporate Advisor to TSX-V and CSE listed companies in the critical minerals space, as well as a role as the sole UK/European Advisor to a NYSE-listed medical company.

Advisory Board



Paul Gorman

Paul Gorman is a resource based corporate specialist with over 25 years of experience in junior mining finance, taking companies public, assessing asset viability and operating growth-emerging public companies. For the last 18 years, Paul has been the President and Managing Partner of Riverbank Capital Inc., a Merchant Bank working with small-cap companies to assist them in financing, property development and initiating well-defined marketing programs. Paul's responsibilities have also included raising capital totaling in excess of \$85 million as well as promoting the companies to the investment community and writing strategic plans for business growth. Mr. Gorman was instrumental in revitalizing the junior graphite space in North America in 2008 by funding Industrial Minerals Inc, which became Northern Graphite (TSX V : NGC) and assisting four other graphite companies in an advisory role. Paul founded Mega Graphite Inc. in 2009 and has served as CEO for three other companies.

Brad Nichol

Mr. Nichol is the CEO of Alpha Lithium (TSX: ALLI). He is an international entrepreneur who has served and advised corporations on strategy and finance for over 25 years. Throughout his career he has served as both senior executive and director of a number of public and private enterprises across the finance and resource sectors. He has led successive organizations through multiple rounds of private and public project financings, initiated and executed dual listings, established key international and domestic financial relations, oversaw M&A, technical, operational, HR, investor relations, legal and regulatory functions as well as closing several accretive asset acquisitions and financings in multiple jurisdictions. Previously, Mr. Nichol worked at Schlumberger, the world's largest oil and gas services firm in various technical, managerial, marketing and sales roles in North America, South America and Europe. Mr. Nichol left Schlumberger to pursue his MBA at one of the world's top ranked business schools, the London Business School in the UK and graduated with honors in 2003. Mr. Nichol also holds a BSc. in Mechanical Engineering from the University of Alberta and has been a registered Professional Engineer since 1994.

Dr. Jared Suchan, Ph.D., P.Geo.

Dr. Suchan is a professional geoscientist with nearly 10 years of experience in the exploration and development of mining projects in Canada. He received his Ph.D. in Environmental Systems Engineering in 2023 and his Honours B.Sc. in Geography and B.Sc. in Geology in 2016 from the University of Regina. His expertise is in the development and execution of early-stage mineral exploration programs in the remote regions of Canada. His previous experience includes coal mining operations and uranium exploration in Saskatchewan, rare earth element and diamond exploration in the Northwest Territories, and gold exploration in the Yukon. Dr. Suchan currently serves as the V.P. Exploration for Carmelo Capital Corp., as the Chief Operating Officer for the rare earth element exploration company Northern Critical Minerals Corp., and as a Managing Partner with the mineral exploration project generator company Voyageur Exploration Ltd.

Foster Wilson

Mr. Wilson is a geologist with over 30 years of experience. Mr. Wilson has significant experience in the generation and development of lithium claystone and brine exploration projects. Previously, he held Corporate Development and Exploration Manager roles for Placer Dome, Echo Bay, and American Bonanza Gold as well as President of Mesa Exploration and co-founder of Nevada Copper (TSX:NCU). Mr. Wilson serves as a director of TSX Venture Exchange listed Alpha Lithium Corp. (TSX.V:ALLI) and Atomic Minerals Corp. (TSX.V:ATOM).

Emilio Bunel

Mr. Bunel received his M.S. in Chemical Engineering in 1980 from the University of Chile and his Ph.D. in chemistry from the California Institute of Technology in 1988. He began his professional career at DuPont Central Research where he spent 12 years working on catalysis. From 2001 to 2008 he worked in the pharmaceutical industry. After spending twenty years in industry, Mr. Bunel was named director of the Chemical Sciences and Engineering Division at U.S. Department of Energy's Argonne National Laboratory in October 2008, where he was responsible for directing a science-based research, development, and early-stage engineering organization. In November 2017, he was named VP of Innovation at Sociedad Química y Minera ("SQM"), one of the largest lithium producers in the world. After serving with SQM, he joined the Catholic University of Chile as a professor with a joint appointment between the School of Chemistry and Pharmacy and the School of Engineering. His research interests are in the areas of new materials for energy storage and sustainable technologies to produce lithium raw materials.

Capitalization Table



Total Issued and Outstanding	59,594,782
Options & RSR's	8,025,006
Warrants	20,362,122
Total Fully diluted I/O	87,981,910

October 25, 2023

Legal Disclaimer



This material includes “forward-looking” statements or information within the meaning of Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements relate to future events or the anticipated performance of Pan American Energy Corp. (“the Company” or “Pan American”) and reflect management’s expectations, objectives or beliefs regarding such future events and anticipated performance. In certain cases, forward-looking statements can be identified by the use of words such as “further” “suggests”, “further evidence”, “potentially”, “possibly”, “indicates” or variations of such words and phrases or statements that certain actions, events or results “may”, “could”, “would”, “might”, or “will be taken”, “occur” or “be achieved”, or the negative of these words or comparable terminology. Forward looking statements rely on a number of assumptions which management believes to be reasonable, including assumptions regarding the Company’s ability to obtaining necessary financing, personnel, equipment and permits to complete its proposed exploration plans, and to identify additional battery metals properties for exploration.

By their very nature forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual performance of the Company to be materially different from any anticipated performance expressed or implied by the forward-looking statements. Such factors include various risks related to the Company’s operations, including, without limitation, fluctuations in spot and forward markets for lithium and other metals, fluctuations in currency markets, changes in national and local governments in Utah and generally, the speculative nature of mineral exploration and development, risks associated with obtaining necessary operating and environmental permits, the presence of laws and changes in regulations that may impose restrictions on mining, limitations in respect of management time and resources, lack of personnel and equipment necessary to carry out the Company’s proposed exploration and development and other delays (including in obtaining financing) which could result in the Company missing expected timelines, and the fact that the Company may not be able to identify additional mineral properties for acquisition or option on acceptable terms.

Although the Company has attempted to identify important factors that could cause actual performance to differ materially from that described in forward-looking statements, there may be other factors that cause its performance not to be as anticipated. The Company neither intends nor assumes any obligation to update these forward-looking statements or information to reflect changes in assumptions or circumstances other than as required by applicable law. There can be no assurance that forward-looking statements will prove to be accurate,

as actual results and future events could differ materially from those currently anticipated. The information contained in this document is drawn from sources believed to be reliable, but the accuracy and completeness of the information is not guaranteed, nor does the Company assume any liability. The Company disclaims all responsibility and accepts no liability (including negligence) for the consequences for any person acting, or refraining from acting, on such information.

This document is neither an offer nor the solicitation of an offer to sell or purchase any investment. Any unauthorized use, disclosure, distribution or copying of this document by anyone other than the intended recipient is strictly prohibited.

The scientific and technical information contained on this Corporate Presentation relating to the Big Mack Project has been reviewed and approved by Craig Ravnaas, P. Geo, a “Qualified Person” as defined by National Instrument 43-101.

The scientific and technical information contained on this Corporate Presentation relating to the Horizon Lithium Project has been reviewed and approved by Tabettha Stirrett, P. Geo, a “Qualified Person” as defined by National Instrument 43-101.

For further information regarding the exploration information contained herein regarding the Big Mack Property, including additional information regarding sample, analytical and testing results, please see the Company’s technical report with respect to the Big Mack Property entitled Technical Report on the Big Mack property, Kenora Mining District Northwestern Ontario, Canada with an effective date of December 12, 2022 filed on the Company’s SEDAR profile at www.sedar.com on December 14, 2022.

The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company’s property.



THANK YOU

PH. +1.587.885.5970

EM. info@panam-energy.com

CSE: PNRG • **OTC:** PAANF • **FRA:** SS6o

2024 CORPORATE PRESENTATION