Portfolio of

ADVANCED PROJECTS

Lithium

Ministerio de Economía
República Argentina

Secretaría de Minería

AUTORIDADES

Presidente de la Nación
Lic. Javier Gerardo Milei

Ministro de Economía
Lic. Luis Andrés Caputo

Secretario de Minería
Dr. Luis Enrique Lucero

Subsecretario de Desarrollo Minero
Dr. Mario Ricardo Thiem

Director Nacional de Promoción y Economía Minera
Lic. Jorge Matías González

Director de Economía Minera
Lic. Camilo Hereñú

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The SECRETARIAT OF MINING is not responsible for the improper use of this information.

Li ADVANCED LITHIUM PROJECTS

CAPEX
8,008 M USD*

RESOURCES**

122 Mt LCE

POTENCIAL PRODUCTION

562 kt/year LCE

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OPERATION

1 - CAUCHARI - OLAROZ
2 - CENTENARIO - RATONES
3 - FENIX
4 - MARIANA
5 - OLAROZ
6 - SAL DE ORO

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CONSTRUCTION

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8 - RINCÓN
9 - SAL DE LOS ÁNGELES
10 - SAL DE VIDA
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12 - KACHI
13 - PASTOS GRANDES
14 - POZUELOS (PPG)
15 - SALAR DEL RINCÓN

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PREFEASIBILITY

16 - ARIZARO
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18 - CAUCHARI JV

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PEA (Preliminary Economic Assessments)

19 - CANDELAS
20 - HOMBRE MUERTO NORTE
21 - SALAR TOLILLAR

* Mt: millions of tons - m3: cubic meters - Mm3: million cubic meters - Moz: million of ounces kt: thousands of tons- koz: thousand of ounces
M USD: Million of dollars - e: Estimated
* This CAPEX estimated number includes projects in different stages of progress that are not described in this portfolio.
**USGS 2025

Li

ADVANCED LITHIUM PROJECTS

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ADVANCED EXPLORATION

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23 - ALCALINA
24 - ARIZARO
25 - ARIZARO NORTE
26 - CANGREJILLOS
27 - CENTENARIO
28 - DONCELLAS
29 - GALLEGO
30- INCAHUASI
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32 - LAGUNA VERDE (LA BORITA)
33 - MINA SISIFO - MINA PATILLA
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35 - PULAR
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38 - RÍO GRANDE
39 - RÍO GRANDE SUR
40 - SAL DE LA PUNA
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45 - SOLAROZ
46 - TACA SAL IV
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48 - ANTOFALLA NORTE
49 - CANDELA II
50 - CAZADERO GRANDE
51 - INCAHUASI
52 - LOS SAPITOS
53 - RIO GRANDE
54 - SALAR DE ANTOFALLA
55 - SAN JORGE

Regional Geology

The report describes all the advanced lithium projects that are located in the Geological Province of La Puna in Argentine, and whose deposits are hosted in salt flats, being of the brine type.

The Geological Province of La Puna (Turner, 1972) is the southern extension of the Altiplano - Puna high plateau that represents approximately 2,000 km long by 300 km wide with an average elevation of 3,700 m, controlling the geomorphology of the central Andes. Is bounded to the West by the Cordillera Occidental and to the East by the Cordillera Oriental.
The uplift of the plateau is the combined result of late Tertiary crustal shortening and magmatic addition (Isacks, 1988).
A volcanic arc forms the western margin of the Geological Province of La Puna. At the East of the volcanic arc, local volcanic edifices are present within the plateau. The volcanic arc and eastern volcanic centers have been active from Miocene times to the present day (Jordan and Gardeweg, 1989) and are the origin of mineralized fluids.
The salt flats are the result of a long paleoenvironmental evolution, which began with the formation of freshwater lakes during the Pleistocene, which were salinized early until their desiccation in the Holocene. The congenital development with the volcanism led to a massive transfer of ions to the basins, whose result was expressed in important volumes of diverse salts, with a predominance of sodium chlorides. The volumetric share of salts in the total fill defines two major types of salt flats: 1) crystalline and 2) earthy. In general terms, the crystalline surfaces admit a concentric zonation of facies (Alonso, 1992). The crystalline salars are impregnated with interstitial brine of diversified ionic content. Almost all the brines are carriers of chemical elements of economic importance, especially boron and lithium.

Cauchari - Olaroz

OPERATION

LOCATION
(23° 24' 58'' S - 66° 42' 47'' W)

The Cauchari-Olaroz project, located in the Salar Cauchari-Olaroz, in the department of Susques of Jujuy.

MINERALIZATION TYPE
Brine

PROPERTY DATA
OWNER / CONTROLLER
Ganfeng Lithium Co. Ltd. (46,66%)
Lithium Argentina (44,84%)
Jujuy Energía y Minería (8,5%)

OPERATOR
Minera Exar S.A.

ÁREA
60,712 ha

Cauchari - Olaroz

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

There are two dominant structural features in the region of the Cauchari and Olaroz Salars: north-south trending high-angle normal faults and northwest-southeast trending lineaments. The high-angle north-south trending faults form narrow and deep horst-and-graben basins, which are accumulation sites for numerous salars, including Olaroz and Cauchari. Basement rock in this area is composed of Lower Ordovician turbidites (shale and sandstone) that are intruded by Late Ordovician granitoids. Bedrock is exposed to the east, west and south of the two salars, and generally along the eastern boundary of the Puna Region.

Project Status OPERATION

Technical and Economic Information

Estimated average annual production: Stage 1: 40,000 Tn/yr LCE, Stage 2: expansion of at least 20,000 Tn/yr LCE
Product to obtain: Lithium Carbonate (Li2CO3)
Estimated LOM: 40 years
Mining Method: Pumping - Chemical adsorption (Direct Lithium Extraction - DLE)

Company's Announcement

January 10, 2024. Lithium Argentina Announces 2023 Production Results for Caucharí-Olaroz

Cauchari - Olaroz

Resources and Reserves (2020)

RESOURCES	Brine (Mm^3)	Li Grade (mg/l)	LCE (t)
Measured	113	591	3,554,700
Indicated	517	592	16,298,000
Total	630	592	19,852,700

RESERVES	Brine (Mm^3)	Li Grade (mg/l)	LCE (t)
Proven	0 through 5	616	514,450
Probable	6 to 40	606	3,120,590
Total	40	607	3,635,040

Contact
Phone: +011 (54) 5263-0616
Email: info@lithium-argentina.com

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Lithium Argentina, Cauchari - Olaroz Project. https://lithium-argentina.com/our-projects/cauchari-olaroz/default.aspx
Lithium Americas, NI 43 – 101 TECHNICAL REPORT Updated Feasibility Study and Mineral Reserve Estimation to Support 40,000 tpa
Lithium Carbonate Production at the Cauchari-Olaroz Salars, Jujuy Province, Argentina. October 19, 2020.
https://s203.q4cdn.com/736266488/files/doc_downloads/our_projects/cauchari_olaroz/2020-10-19-Technical-Report.pdf
Lithium Argentina. Corporate Presentation. January 2025
.https://s203.q4cdn.com/736266488/files/doc_downloads/2025/20250106_Corporate-Presentation.pdf

Centenario-Ratones

OPERATION

LOCATION
(25° 5’ 26’’ S - 66° 48’ 58’’ W)

The Centenario Ratones salt flat area is located 300 km west of the city of Salta, at 3,900 m.a.s.l. The project is accessed from San Antonio de Los Cobres along provincial route 129. Pastos Grandes,is located 60 km from the project, with a population of 100 inhabitants.

MINERALIZATION TYPE
Brine

PROPERTY DATA
OWNER / CONTROLLER
Eramet

OPERATOR
Eramine Sudamerica S.A.

ÁREA
50,000 ha

Centenario-Ratones

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The project area is a hydrological basin containing two salt flats, Centenario and Ratones. The Ratones Salar is located to the N of C° Ratones. A mountainous island of metamorphic rocks emerges in the central eastern part of the salt flats, where it forms a wide bay in its southern sector. Within and around the bay is the borate concentration. The Salar de Centenario is the continuation of the previous one, from which it is separated by the confluence of two important alluvial cones that expand into the depression. Genetically, it is related to the development of an important alignment of extinct hot springs, whose travertine remains can be seen on the eastern edge of the salar, coinciding with the regional fracture that limits the depression.

Project Status OPERATION

Technical and Economic Information

Estimated average annual production: 24,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
Estimated LOM: 40 years
Mining Method: Pumping - Chemical adsorption (Direct Lithium Extraction - DLE)

Company's Announcement

December 24, 2024. Eramet announces that it has delivered first lithium carbonate production at its newly commissioned Centenario plant, located in Salta Province, in Argentina.
September 2024, Eramet reported that the commissioning of the Centenario plant is underway, with production expected to start in the coming weeks

Centenario-Ratones

Resources and Reserves (2023)

RESOURCES	Brine (Mm^3)	Li Grade (mg/l)	LCE (t)
Measured	929	409	2,023,000
Indicated	1,594	380	3,226,000
Inferred	2,826	312	4,689,000
Total	5,349	350	9,938,000

RESERVES	Years	Brine (Mm^3)	Li Grade (mg/l)	LCE (t)
Proven	1-3	30	460	65,000
Probable	1-3	7	460	14,000
Probable	4-40	511	436	1,033,000
Total	1-40	548	438	1,112,000

Contact
Phone: + 33 (0)1 45 38 37 02
https://www.eramet.com/es/contacto/

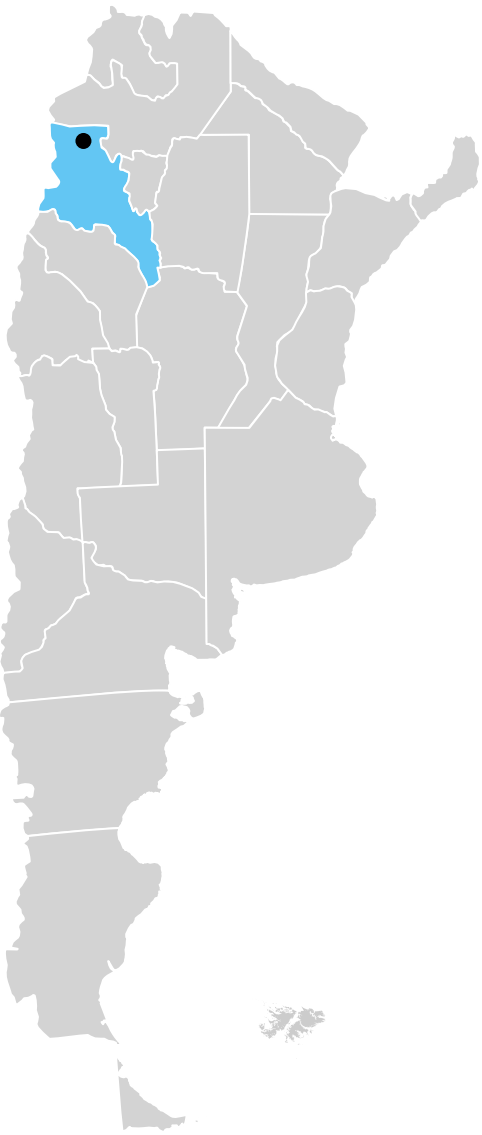
Sources Consulted
Eramet, Centenario - Ratones Project. https://www.eramet.com/es/actividades/litio/
Eramet. Investor presentarion. May 2024.
https://www.eramet.com/wp-content/uploads/2024/05/2024-05-Eramet-Investor-presentation.pdf

Fenix

OPERATION

LOCATION
(25° 23’ 33’’ S - 67° 2’ 55’’ W)

Salar del Hombre Muerto is located in northwest Argentina, in the northeastern portion of Catamarca Province on the border with Salta Province.



MINERALIZATION TYPE
Brine

PROPERTY DATA OWNER / CONTROLLER
Arcadium Lithium plc

OPERATOR
Minera Altiplano S.A.

ÁREA
- ha

Fenix

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The salar at Salar the Hombre Muerto consists of evaporite deposits formed within an endorheic basin, bounded by pre-Paleozoic, Paleozoic, and Cenozoic–age crystalline metamorphic basement rocks. Fault Bounded bedrock hills occur within and along the margins of the Salar basin subdividing the SdHM into two separate sub-basins (eastern and western), each with different evaporite sediment compositions. The Eastern Subbasin is dominated by borate evaporites and clastic sediments (such as sand, silts, and clays), whereas the Western Subbasin is relatively free of clastic sediment and is dominated by halite (sodium chloride salt) evaporite deposits.

Project Status OPERATION

Technical and Economic Information

Estimated average annual production: 32,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3) and Lithium Chloride
Estimated LOM: 37 years
Mining Method: Pumping - Chemical adsorption (Direct Lithium Extraction - DLE)

Fenix

Resources and Reserves (2022)

RESOURCES	Li (Mt)	LCE (Mt)
M&I	1,328,000	7,071,000
Inferred	892,000	4,749,000

RESERVES	Years	Li (Mt)	LCE (Mt)
Proven	1-10	153,000	815,000
Probable	11-40	578,000	3,076,000

Contact
Av. Ejército del Norte 90
Salta, Argentina
Phone: 011-54-387-4322100
Email: IR@arcadiumlithium.com

Sources Consulted

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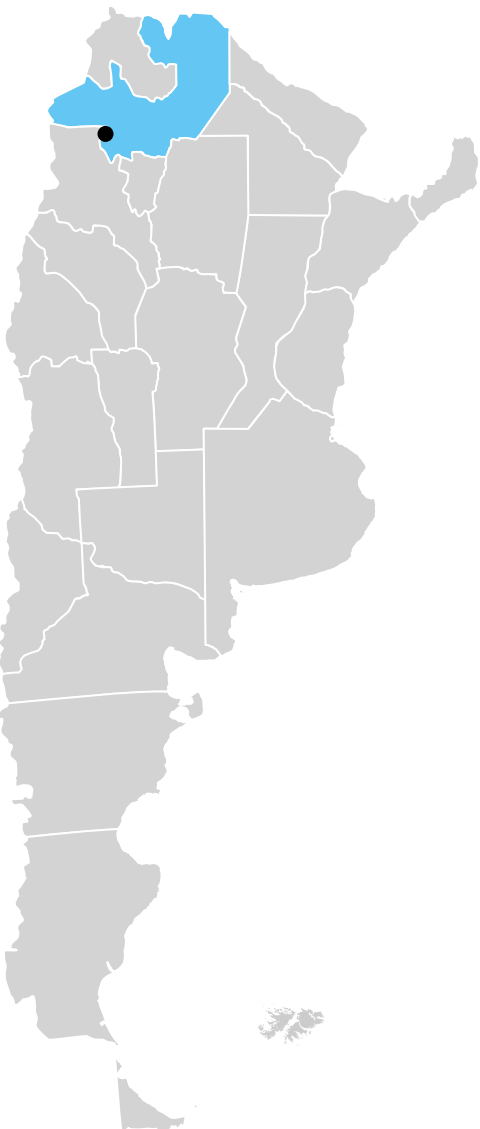
Livent USA Corp. Resource and reserve report Pre-Feasibility Study Salar del Hombre Muerto. December, 2022. https://s203.q4cdn.com/709125885/files/doc_downloads/TechnicalRep/Salar-del-Hombre-Muerto-Argentina.pdf

Mariana

OPERATION

LOCATION
(24° 48’ 36’’ S - 68° 18’ 00’’ W)

The Mariana I, II and III project is located in the west of the Province of Salta in the Salar de Llullaillaco. In a straight line it is located 280 km west of the capital city of Salta.



MINERALIZATION TYPE
Brine

PROPERTY DATA
OWNER / CONTROLLER
Ganfeng Lithium Co., Ltd.

OPERATOR
Litio Minera Argentina

ÁREA
16,000 ha.

Mariana

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

Drilling and hydrogeological information indicate that the Mariana Project in the Llullaillaco Salt Flat is a sedimentary filling complex of a basin, carrying unconfined and interconnected aquifers. They are brine carriers and are found at depths of 328 meters or more. Preliminary geological observation of the boreholes made it possible to recognize 8 lithological types in the well cores carried out in the western, eastern and southern sectors of the basin. The volume of the aquifer is still open in depth since only in two of the boreholes were the volcanic lithologies attributed to the Mesozoic basement intercepted.

Project Status OPERATION

Technical and Economic Information

Estimated average annual production: 20,000 t/yr LiCl
Product to obtain: Lithium Chloride (LiCl)
Estimated LOM: 40 years
Mining Method: Pumping - Evaporation

Company's Announcement

January 2023. The Company announced the filling of the first brine pool.

Mariana

Resources (2019)

RESOURCES	Li Grade (mg/l)	Brine (Mm^3)	Lithium Metal (t)	LCE (t)
Measured	314	1,6831	528,000	2,810,000
Indicated	316	960	303,000	1,600,000
Inferred	328	470	154,000	786,000

Contact
Phone: 1 (416) 357 4681
Email: samuel.pigott@ganfenglithium.com
Bank of Canada Building, 250 University Ave #200, Toronto, ON M5H 3E5, Canada

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Mineral Resources 2019. https://www.ganfenglithium.com/aboutz_en/id/3.html
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Olaroz

OPERATION

LOCATION

(23° 27’ 46’’ S - 66° 45’ 8’’ W)

Olaroz is located in the high-altitude Puna region of northwest Argentina, where extensive lithium brine resources are present beneath salars. The project is located in the province of Jujuy at 3,900 m altitude.

MINERALIZATION TYPE

Brine

PROPERTY DATA
OWNER / CONTROLLER

Arcadium Lithium plc (66,5%)
Toyota Tsusho (25%)
Jujuy Energía y Minería (8,5%)

OPERATOR

Sales de Jujuy S.A.

ÁREA

47,615 ha

Olaroz

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The Olaroz salar is located in the elevated Altiplano-Puna plateau of the Central Andes. The Puna plateau of north-western Argentina comprises a series of dominantly NNW to NNE trending reverse fault-bounded ranges up to 5,000-6,000 m high, with intervening internally drained basins at an average elevation of 3,700 m. High evaporation rates together with reduced precipitation have led to the deposition of evaporites in many of the Puna basins since 15 Ma, with borate deposition occurring for the past 8 Myr. Precipitation of salts and evaporites has occurred in the center of basins where evaporation is the only means of water escaping from the hydrological system.

Project Status OPERATION

Technical and Economic Information

Estimated average annual production: 43,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
Estimated LOM: 36 years, from 2025
Mining Method: Pumping - Chemical adsorption (Direct Lithium Extraction - DLE)

Olaroz

Resources (2023)

RESOURCES	Li Grade (mg/l)	LCE (t)
Measured	659	11,540,000
Indicated	592	3,830,000
Inferred	609	7,250,000
Total	632	22,620,000

Contact
Av. Ejército del Norte 90, Salta, Argentina
Phone: 011-54-387-4322100
Email: IR@arcadiumlithium.com

Sources Consulted

Arcadium Lithium, Olaroz Project. https://arcadiumlithium.com/operations-projects/
Allkem Ltd., SEC Technical Report Summary Olaroz Lithium Facility. June, 2023.
https://s203.q4cdn.com/709125885/files/doc_downloads/TechnicalRep/New/Olaroz-Lithium-Facility-Argentina.pdf

Sal de Oro

OPERATION

LOCATION

(25° 13’ 12’’ S - 67° 04’ 12’’ W)

The Sal de Oro project is located about 1,400 km northwest of Buenos Aires, Argentina, at an altitude of 4,025 m.a.s.l. It is located east of Salar de Hombre Muerto, in the provinces of Catamarca (Antofagasta Dept.) and Salta.

MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

POSCO Holdings Inc.

OPERATOR

POSCO Argentina S.A.

ÁREA

25,000 ha

Sal de Oro

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The local geology of the Hombre Muerto Salar includes a basement of intrusive, sedimentary and metamorphic rocks from the Precambrian and early Paleozoic, thick sequences of Ordovician marine sedimentary rocks with a roof of continental Mesozoic sedimentary units. These are superimposed by the Miocene to Pliocene volcanic deposits, which are common characteristics of the salt flats in the sedimentary basins of the region.

Project Status OPERATION

Technical and Economic Information

Estimated average annual production: 48,000 t/yr LCE
Product to obtain: Lithium Hydroxide - Lithium Carbonate
CAPEX: 1,5 billion USD
Estimated LOM: 40 years
Mining Method: Pumping - Evaporation

Sal de Oro

Reserves (2020)

RESERVES	Lithium Metal (t)	Production period
Proved	158,000	1 to 6
Probable	881,200	7 to 40
Total	1,039,200	40

Contact
Phone: (+54) 0387 4367500
Web: Posco Argentina

Sources Consulted
http://www.poscoargentina.com/
Informe de Impacto Ambiental Proyecto Sal de Oro. M&A 2022

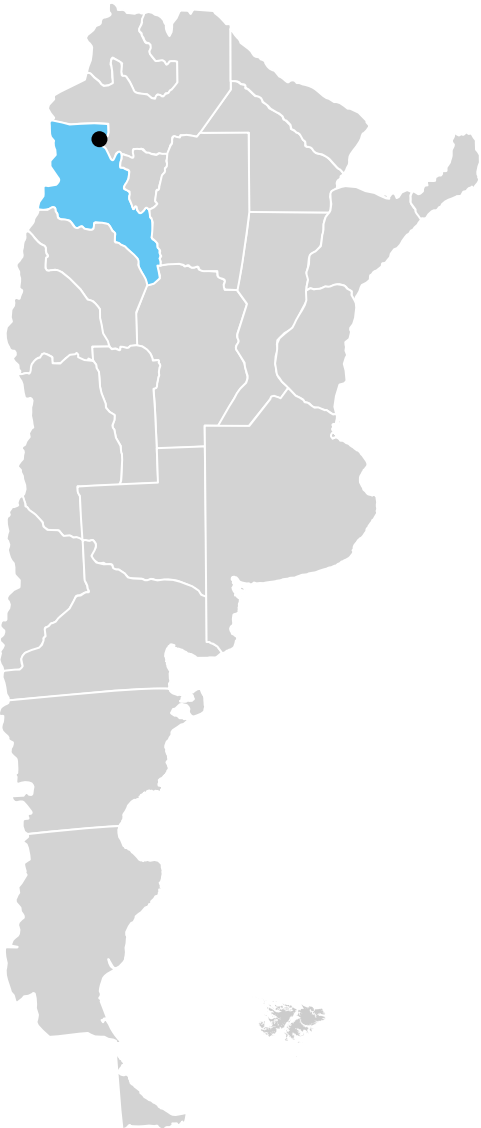
Hombre Muerto Oeste

CONSTRUCTION

LOCATION

(25° 13’ S - 67° 04’ W)

The project is in the geological province of Puna, 90 km north of the town of Antofagasta de la Sierra, province of Catamarca. The HMW Project is located to the West and South of the Salar del Hombre Muerto. The HMW Project is in close proximity to other world class lithium projects owned by Arcadium Lithium and Posco.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Galan Lithium Limited

OPERATOR

Galan Exploraciones S.A

ÁREA

9,493 ha

Hombre Muerto Oeste

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The local geology of the Hombre Muerto Salar includes a basement of intrusive, sedimentary and metamorphic rocks from the Precambrian and early Paleozoic, thick sequences of Ordovician marine sedimentary rocks with a roof of continental Mesozoic sedimentary units. These are superimposed by the Miocene to Pliocene volcanic deposits, which are common characteristics of the salt flats in the sedimentary basins of the region.

Project Status CONSTRUCTION

Technical and Economic Information

Estimated average annual production: 12,000 t/yr LCE | Phase 2 HMW mining permit has been granted at a commercial scale up to 21,000 t LCE.
Product to obtain: Lithium Chloride concentrate (LiCl)
CAPEX: 217 M USD (12,000 t LCE)
Estimated LOM: 40 years
Mining Method: Pumping - Evaporation

Company's Announcement

January 29, 2025. Galan's Mineral Resources grow to 9.5 Mt LCE
September 10, 2024 - Up to ~A$25 Million Capital Raise to Support Full Funding of HMW Phase 1.

Hombre Muerto Oeste

Resources (2025)

RESOURCES	Li Grade (mg/l)	K Grade (mg/l)	LCE (t)	KCl (t)
Measured	866	7,505	4,738,000	14,711,000
Indicated	894	7,837	1,649,000	5,181,000
Inferred	926	8,210	1,480,000	4,700,000

Reserves (2024)*

RESERVES	Production period (years)	Li Grade (mg/l)	LCE (kt)
Proven	1-7	884	101.2
Probable	1-40	861.5	705.2
Total	1-40	864.2	806.4

*Reserves estimate the Hombre Muerto West Project phase 2, in the will field west and Santa Bárbara.

Contact
Phone: (08) 9214 2150 within Australia
Phone: +61 8 9214 4150 from overseas
Email: admin@galanlithium.com.au

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Rincón

CONSTRUCTION

LOCATION

(24° 07' 12'' S - 66° 58' 48'' W)

The Salar de Rincón is a saline body located in the Los Andes Department, in Salta, at 3,760 m.a.s.l. It is located about 280 km northwest of the city of Salta and is accessed by National Route 51; it is near the town of Olacapato Chico and 40 km from the international border with Chile.

MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Argosy Minerals

OPERATOR

Puna Mining Lithium

ÁREA

2,794 ha

Rincón

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The geological framework is given by a southern volcanic range (Tul Tul - Del Medio and Pocitos volcanoes) and the Guayaos mountain range (Ordovícico) in the north, while the rest is comprised by alluvial fields. It shows an almost continuous layer of salt on the surface that reaches variable thicknesses. Borate is 20-30 cm below a layer of halite that makes up the escape. Borates are Ulexite and tincal. Ulexite is up to 50 cm thick and is both solid and nodular. It shows strong contamination with chlorides and sulphates. Tincal occurs at the NE edge of the salt flats and was mined in the old Carolina mine. It occurs in various morphologies, some of which are known to miners as greaves or corn grains. It occurs mainly with a reddish lime-clay ganga.

Project Status CONSTRUCTION

Technical and Economic Information

Estimated average annual production: 10,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 141 M USD
Estimated LOM: 16.5 years
Mining Method: Pumping - Evaporation

Rincón

Resources (2024)

RESOURCES	Brine Volume (Mm^3)	Li Grade (mg/l)	LCE (t)
Indicated	144	327	640,330

Company's Announcement

November 12, 2024. Rincon lithium project jorc mineral resource upgrade & exploration target.
July 24, 2024. Rincon lithium project update.
December 2023. Argosy Minerals Limited continued development works at the Rincon Lithium Project ("Rincon") in Argentina.

Contact
Argosy Minerals
Cell: +61 8 6188 8181

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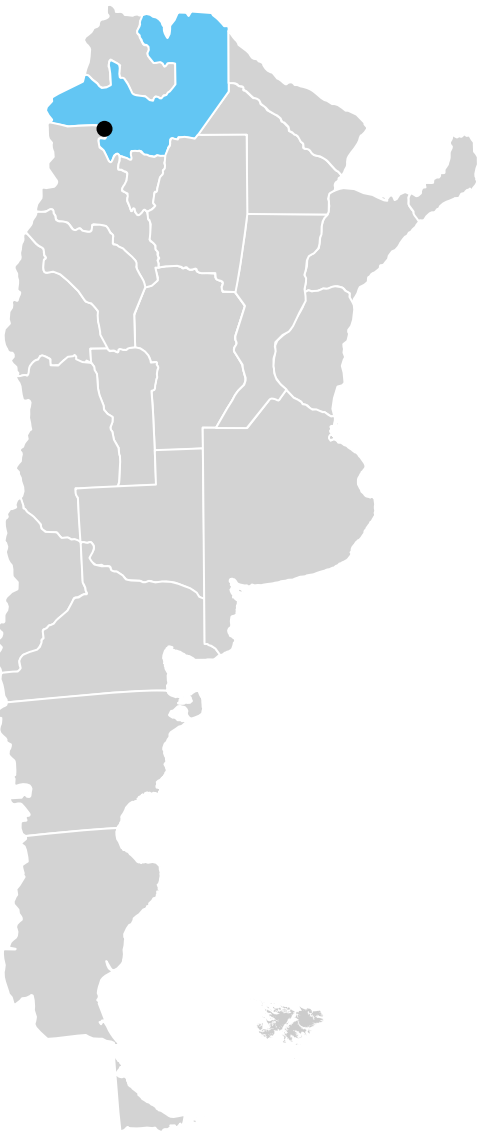
Sal de los Ángeles

CONSTRUCTION

LOCATION

(25° 14’ 40’’ S - 66° 44’ 53’’ W)

The Sal de Los Ángeles project is located in the Salar Diablillos, a saline body located in the Los Andes Department, in Salta, at 3,760 m.a.s.l. It is located about 230 km of the city of Salta and is accessed by National Route 51 and Provincial Route 27. It located 80 km from the international border with Chile.



MINERALIZATION TYPE

Brine

PROPERTY DATA
OWNER / CONTROLLER

Revotech Asia Ltd. (46%)
Tibet Summit Resources Co. (45%)
Leading Resources Global Ltd. (9%)

OPERATOR

Potasio y Litio Argentina S.A.

ÁREA

11,650 ha

Sal de los Ángeles

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The deposit type is a brine aquifer within a salar basin. Salar de Diablillos is a detrital salar, located in the northwest portion of the Diablillos hydrographic basin. The hydrographical basin is an enclosed intermountain plane with a length of approximately 40 km in the north–south direction and a width of approximately 15 km in the east–west. The Salar surface covers approximately 33 km2.
The hydrothermal fluids that are inferred to be the source of boron to the basins have been associated with correlative levels of lithium and potassium (Viramonte, Alonso, Gutierrez & Argañaz, 1984). it is possible to classify the salars of the region based on this association between lithium and borates in two groups: lithium-borate rich and lithium-borate deficient.

Project Status: CONSTRUCTION

Technical and Economic Information

Estimated average annual production: 20,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 700 M USD
Estimated LOM: 20 years
Mining Method: Pumping - Evaporation

Sal de los Ángeles

Resources

Summary of the Mineral Resource Estimate Sal de Los Ángeles Project					
Category	**Li Grade (mg/L)**	**Lithium Metal (t)**	**LCE (t)**	**K Grade (mg/l)**	**K (t)**
Indicated	501	307,535	1,640,000	5,512	3,393,647
Inferred	356	77,464	410,000	3,739	811,472

Contact
Potasio y Litio de Argentina S.A.
Phone: +54 9 (387) 571-1398
informacion@potasio.com

Sources Consulted

Lithium X, Sal de los Ángeles Project. https://lithium-x.com/sal-de-los-angeles/#overview
P.L.A.S.A. Litio Angeles Argentina Project. https://www.potasiolitio.com/proyectos
Lithium X, Investor presentation. https://lithium-x.com/wp-content/uploads/2017/08/LIX2.pdf
Raymond Spanjers, P.Geo. NI 43-101 Technical Report Salar de los Ángeles Project Salar de Diablillos, Salta Province, Argentina. April 1, 2016. http://s1.q4cdn.com/369274472/files/Sal-de-Los-Angeles-Technical-Report.pdf

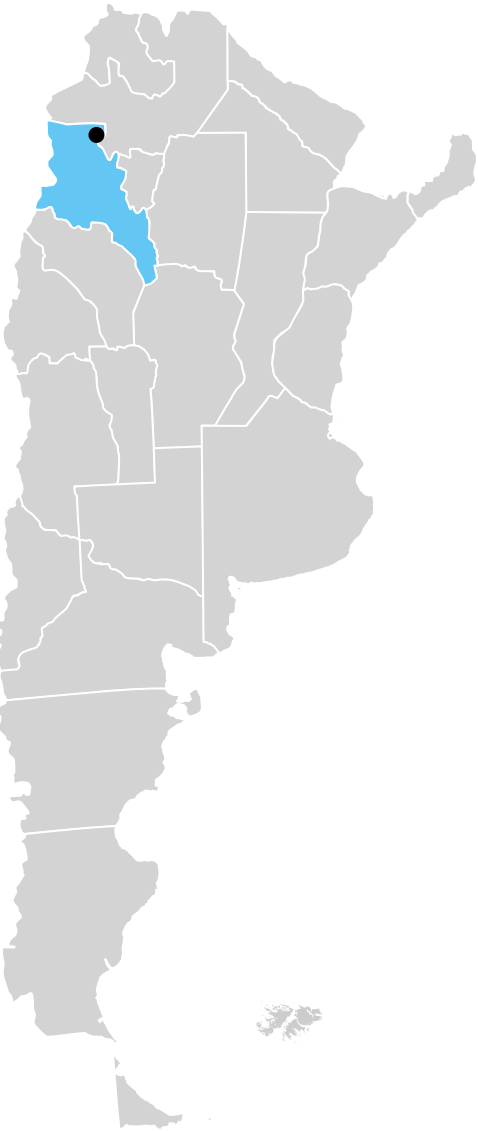
Sal de Vida

CONSTRUCTION

LOCATION

(25° 24’ 33.71’’ S - 66° 54’ 44.73’’ W)

The project is located in the northern part of the Hombre Muerto Salar, in the border area of the provinces of Catamarca and Salta, 170 km southeast of the city of Salta. The project is strategically located in the Hombre Muerto Salar, an active lithium production area of Arcadium Lithium (former FMC) in the Fenix lithium mine, about 12 miles south of the project area.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Arcadium Lithium plc

OPERATOR

Galaxy Lithium

ÁREA

4,391 ha

Sal de Vida

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The local geology of the Hombre Muerto Salar includes a basement of intrusive, sedimentary and metamorphic rocks from the Precambrian and early Paleozoic, thick sequences of Ordovician marine sedimentary rocks with a roof of continental Mesozoic sedimentary units. These are superimposed by the Miocene to Pliocene volcanic deposits, which are common characteristics of the salt flats in the sedimentary basins of the region.

Project Status CONSTRUCTION

Technical and Economic Information

Estimated average annual production: Stage 1: 15,000 t/yr LCE, Stage 2: 45,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3), Potassium Chloride (KCl)
CAPEX: Stage 1: 374 M USD, Stage 2: 665 M USD
Estimated LOM: 40 years
Mining Method: Pumping - Evaporation

Company's Announcement

December 2023. The company announced a million-dollar investment, financed by the World Bank through the International Finance Corporation (IFC).

Sal de Vida

Resources and Reserves (2023)

Sal de Vida Resource Estimate			
Category	**Li Grade (mg/l)**	**In situ Li (t)**	**LCE (t)**
Measured	752	660,000	3,520,000
Indicated	742	560,000	3,000,000
Measured and indicated	747	1,220,000	6,520,000
Inferred	556	120,000	650,000

Sal de Vida Reserve Estimate		
Category	**Li Grade (mg/l)**	**LCE (t)**
Proven	84,000	445,000
Probable	383,000	2,041,000
TOTAL	**467,000**	**2,486,000**

Contact
Av. Ejército del Norte 90
Salta, Argentina
Phone: 011-54-387-4322100
Email: IR@arcadiumlithium.com

Sources Consulted

Arcadium lithium, Sal de Vida Project. https://arcadiumlithium.com/operations-projects/
Arcadium Lithium, News. https://ir.arcadiumlithium.com/investors/news/default.aspx
Arcadium Lithium, Investor Day. September 19, 2024.
https://s203.q4cdn.com/709125885/files/doc_downloads/2024/09/Arcadium-Lithium-Investor-Day-Presentation-Draft-v_Master-Q4.pdf
Allkem Ltd., Sal de Vida Lithium Brine Project, NI 43-101 Technical Report, Feasibility Study. 27 October 2023.
https://www.datocms-assets.com/53992/1698636681-sal-de-vida-lithium-brine-project-ni-43-101-technical-report-feasibility-study_final.pdf

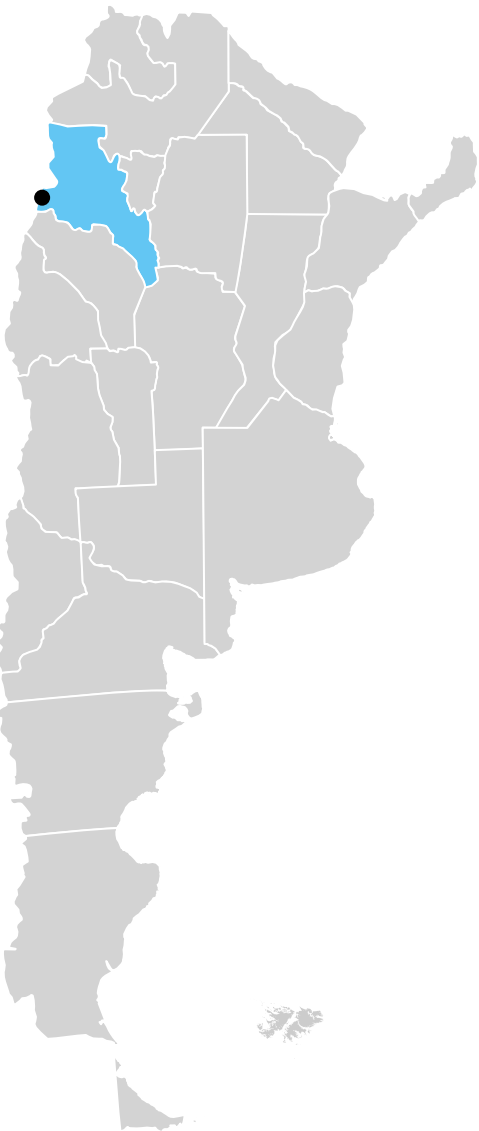
Tres Quebradas

CONSTRUCTION

LOCATION

(27° 27’ 00’’ S - 68° 39’ 36’’ W)

It is located Salar de Laguna Verde, in the Municipality of Fiambalá, 30 km from the border with Chile, 200 km from the Caldera port (Chile), 90 km north of the place Cortaderas, about 4,100 m.a.s.l.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Zijin Mining Company

OPERATOR

LIEX S.A.

ÁREA

26,680 ha

Tres Quebradas

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The project includes the "Tres Quebradas" lagoon, which is not freshwater, but a reservoir of super-saturated brine in sodium, calcium and chlorine. The density of the brine is 1.22 (25% heavier than fresh water). It is black in color due to its content of manganese and other metals. There are two large salars within the area, they are formed by a very rough surface, which suggests that it is a mature salt formed mostly by a sodium chloride core. The contribution of fresh water to the salt is limited to the extreme south where the Valle Ancho River and the Piscis River enter. All the rivers at the northern end of the complex provide thermal waters laden with metals. The waters that enter the salt flats are, on the one hand, alkaline and carbonated, and acidic with a high metallic content. There are more than a dozen thermal contributions and some have lithium contents of up to 1,000 mg / l, which is a worldwide record. These contributions go directly to the salt flat and the "Tres Quebradas" lagoon where they are concentrated by evaporation.

Project Status CONSTRUCTION

Technical and Economic Information

Estimated average annual production: Stage 1: 20,000 t/yr LCE, Stage 2: 30,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 370.5 M USD
Estimated LOM: 50 years
Mining Method: Pumping - Evaporation

Tres Quebradas

Resources and Reserves (2021)

Summary of the Mineral Resource Estimate Tres Quebradas Project Cutt of value off 400 mg/L				
	Measured	**Indicated**	**Measured and indicated**	**Inferred**
Li Grade (mg/l)	792	576	637	561
LCE (t)	1,897,000	3,472,000	5,369,000	2,261,000

Summary of the lithium Reserve Estimate Tres Quebradas Project				
Year	**Li Grade (mg/L)**	**Proven LCE (t)**	**Probable LCE (t)**	**Resource recovered (%)**
Total 50 Years Reserve estimate	786	1,084,300	587,600	31

Company's Announcement

March 2022 - Zijin Mining's Tres Quebradas Lithium Brine Project Starts Construction
December 2022 - The company announced that the project commences brine evaporation.
June 2023 - Zijin Mining's Tres Quebradas Lithium Brine Project Starts Construction

Contact
Investor Advisory
Phone: +86-592-2933058
Email: IR@zijinmining.com

Sources Consulted

Zijin Mining Group Ltd. Tres Quebradas Project, https://www.zijinmining.com/global/program-detail-71747.htm
Zijin Mining Group Ltd., News. https://www.zijinmining.com/news/
NEO Lithium Corp. Feasibility Study (FS) - 3Q Project NI 43-101 Technical Report Catamarca, Argentina. November 25, 2021. https://minedocs.com/21/Tres-Quebradas-FS-11252021.pdf

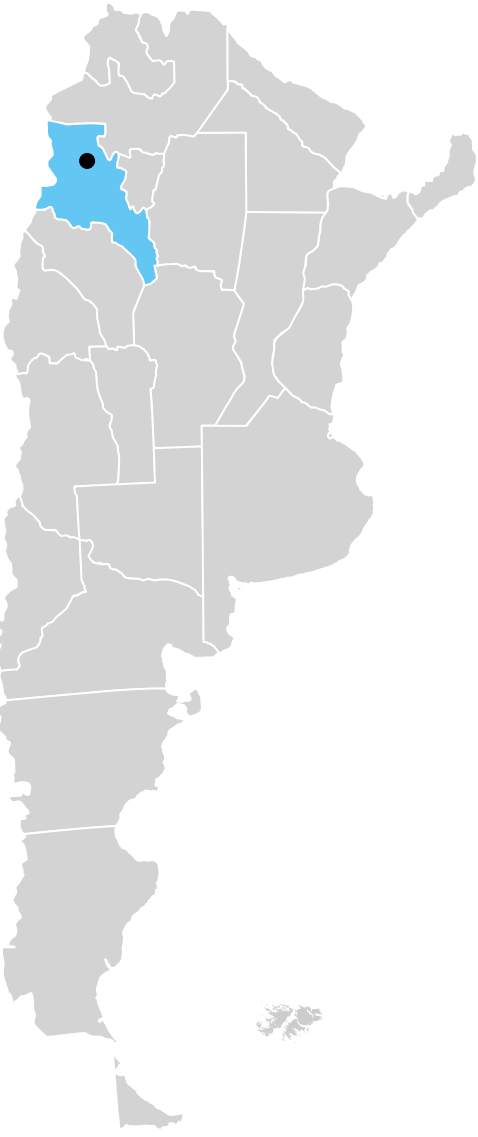
Kachi

FEASIBILITY

LOCATION

(26° 31' 12'' S - 67° 25' 48'' W)

The Kachi Project is located in the Salar of Carachi Pampa - Catamarca Province, approximately 100 km south of the Livent's Hombre Muerto Salar Operation (former FMC).



MINERALIZATION TYPE

Brine

PROPERTY DATA
OWNER / CONTROLLER

Lake Resources (75%)
Lilac Solutions Inc. (25%)

OPERATOR

Morena del Valle Minerals S.A.

ÁREA

74,000 ha

Kachi

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The drills show that the filling of the Kachi basin is predominantly sand dominated by silt and intercalated clays. The surface halite is variable. This leads to a classification of Kachi as an immature salar system. There are ignimbrites inside the sediment of the basin, but of limited distribution and thickness. A conglomerate would form the basis of the sedimentary sequence of the basin that contains brine.
Several depositional geomorphological units can be recognized, including: salar Carachi Pampa; Laguna Carachi Pampa which is a body of salt water fed by volcanic springs on the northeast margin of the salt flat; Vega Carachi Pampa, an ephemeral wetland plain north of the lagoon; and Barreal Carachi Pampa, a clay depression located on the western and northern margins of the salar. These units are partially covered by even more recent alluvial and colluvial sediments and wind sand dunes.

Project Status FEASIBILITY

Technical and Economic Information

Estimated average annual production: 50,000 t/yr. LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 1380 M USD
Estimated LOM: 25 years
Mining Method: Pumping - Direct Lithium Extraction

Company's Announcement

December 19, 2023. Lake Resources announced the results of its Definitive Feasibility Study for Phase One of the globally significant Kachi lithium brine project in Argentina.

Kachi

Resources and Reserves (2023)

RESOURCES	Li Grade (mg/L)	LCE (t)	Brine Volume (Mm^3)
Measured	212	1,610,000	1,418
Indicated	177	580,000	613
Inferred	198	3,095,000	2,958

Summary of the lithium Reserve Estimate Kachi Project			
Year	**Li Grade (mg/L)**	**Proven LCE (t)**	**Probable LCE (t)**
Total 25 Years Reserve estimate	254	170,300	454,100

Contact
Email: hello@lakeresources.com.au

Sources Consulted

Lake Resources, Kachi Project. https://lakeresources.com.au/lake-resources-project-overview/kachi/
Lake Resources, Latest announcements. https://investorhub.lakeresources.com.au/announcements
Lake Resources, Investor Presentation. May 2024. https://investorhub.lakeresources.com.au/announcements/6322340
Lake Resources, Kachi Phase One DFS Results, Investor Presentation. December 19, 2023.
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Lake Resources, Resource Statement. https://lakeresources.com.au/wp-content/uploads/2024/04/kachi_resource_statement.pdf
Lake Resources, Reserve Statement. https://lakeresources.com.au/wp-content/uploads/2024/04/kachi_reserve_statement.pdf

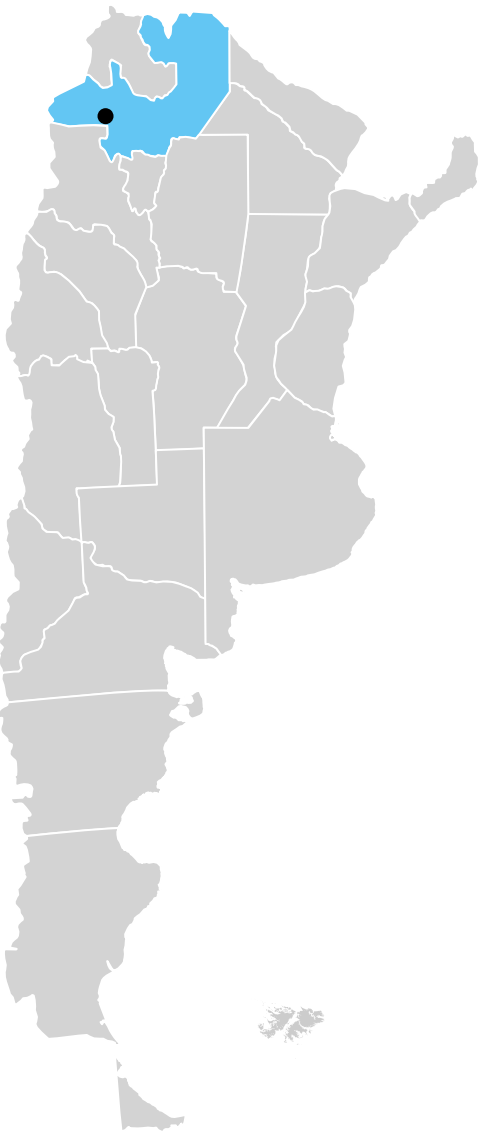
Pastos Grandes

FEASIBILITY

LOCATION

(24° 34’ 48’’ S - 66° 40’ 48’’ W)

The property is located in the Los Andes Department, in the central portion of the Puna block of the Province of Salta, in the extreme northwest of Argentina. It extends over the basin called Salar de Pastos Grandes, 13 km southeast of the town of Santa Rosa de Pastos Grandes, 56 km southwest of the town of San Antonio de los Cobres and 154 km west-northwest of the city of Salta, capital of the province. The altitude is 3,785 meters above sea level.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Lithium Argentina (85%)
Ganfeng Lithium Group (15%)

OPERATOR

Proyecto Pastos Grandes S.A.

ÁREA

12,619 ha

Pastos Grandes

PROJECT GEOLOGY
Type of deposit -Brine

Deposit Geology

The salar is the current expression of a larger sedimentary basin, known as Sijes developed since the Miocene. The Sijes Formation is composed by sandstones, clays, tuffs and evaporites (Halite and Gypsum) and travertine. This unit is a potential aquifer and can store brines rich in Lithium. The Salar Pastos Grandes is filled with seamless clastics (clay and silt), organic material and fine-grained sediments. The evaporites are represented by Halite, gypsum and ulexite. The age of these sediments is late Quaternary to recent and 30 m thick. The stratification is horizontal and covers the pre-existing formations and the geological characteristics indicate erosion and dissolution of older rocks and subsidence in the central part of the salt flat. The sediments harbor brines rich in Lithium which has been demonstrated by exploration work.

Project Status FEASIBILITY

Technical and Economic Information

Estimated average annual production: 24,000 t/yr. LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 448 M USD
Estimated LOM: 40 years
Mining Method: Pumping - Evaporation

Company's Announcement

July 2023 - The company announced reports third quarter 2023 results.

Pastos Grandes

Resources and Reserves

Pastos Grandes Mineral Resources Estimate			
Category	**Li Grade (mg/L)**	**LCE (t)**	**KCl (t)**
M&I	331	4,200,000	14,900,000
Inferred	403	1,106,500	4,106,500

Pastos Grandes Mineral Reserve Estimate				
Category	**Li Grade (mg/L)**	**Li Metal (t)**	**LCE (t)**	**Time period (years)**
Proven	470	34,000	179,000	1-8 (8 years total)
Probable	431	143,000	764,000	9-40 (32 years total)
TOTAL	**439**	**177,000**	**943,000**	**40 years total**

Contact
Phone:778-656-5820
Email: info@lithiumamericas.com

Sources Consulted
Lithium Argentina, Pastos Grandes Project. https://lithium-argentina.com/our-projects/pastos-grandes-basin/default.aspx
Lithium Americas (Argentina) Corp. Annual Information Form. March 20, 2024.
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Lithium Argentina, NI 43-101 Report Lithium Resources update Pastos Grandes project, Salta province, Argentina. April 30, 2023.
https://s203.q4cdn.com/736266488/files/doc_downloads/2023-04-30-Technical-Report.pdf
Millennial Lithium, Technical Report N° 209020-00055-000-GE-TEN-0003. Feasibility Study of the Pastos Grandes Project Salta province, Argentina. July 29, 2017. https://minedocs.com/21/PASTOS-GRANDES-FS-07292019.pdf

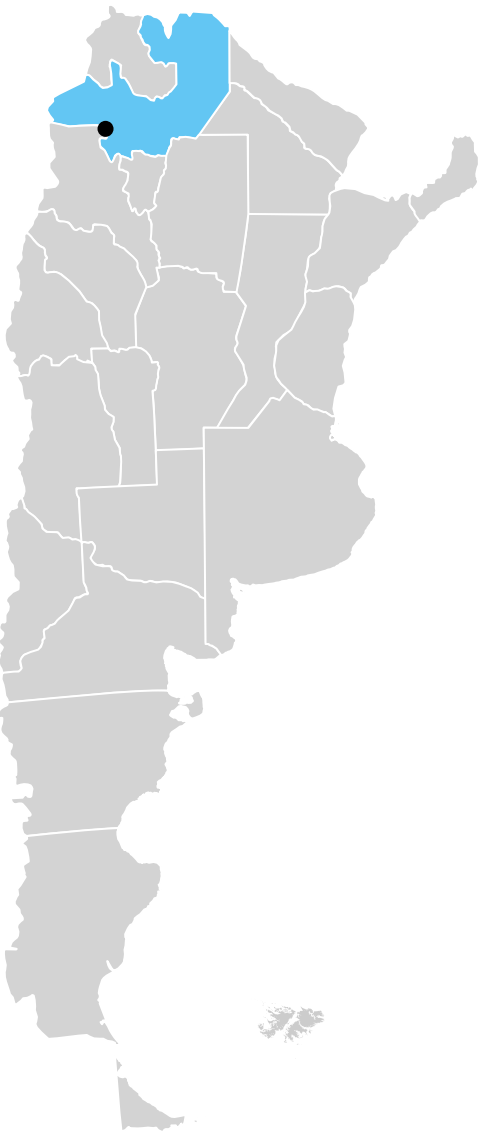
Pozuelos (PPG)

FEASIBILITY

LOCATION

(24° 34’ 48’’ S - 66° 42’ 36’’ W)

The PPG Project is constituted by the union of the Pastos Grandes and Pozuelos projects. They are located in the Department of Los Andes, in the central portion of the Puna block of the Province of Salta. They extend over the Salar de Pastos Grandes and Salar de Pozuelos basins, 13 km to the south and southwest of the town of Santa Rosa de Pastos Grandes, 56 km southwest of the town of San Antonio de los Cobres and 154 km west-northwest of the city of Salta, capital of the province. The altitude is 3,785 m.a.s.l.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Ganfeng Lithium

OPERATOR

Lithea Inc.

ÁREA

8,664 ha

Pozuelos (PPG)

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The salt flats of Pozuelos and Pastos Grandes share the same local stratigraphy. The basins are separated in the northeast of Pozuelos by the Pozuelos and Geste formations. Quaternary rocks are observed in the form of accumulations of evaporites such as halite and borates, carbonates and sulphates that occupy the intermontane depression. The Pastos Grandes salt flats are the current expression of a larger sedimentary basin, known as Sijes developed since the Miocene. The Sijes Formation is made up of sandstones, clays, tuff and evaporites (Halite and Gypsum) and travertine. This unit is a potential aquifer and can store lithium-rich brines. The Lilac White Formation represents a larger ancient salt flat than the current one and is a potential aquifer that can store lithium-rich brines. The Salar de Pastos Grandes is filled with unconsolidated classics (clays and silts), organic material and fine-grained sediments. The age of these sediments is late to recent Quaternary and 30 m thick. The sediments contain lithium-rich brines, which has been demonstrated by exploration work.

Project Status FEASIBILITY

Technical and Economic Information

Estimated average annual production: 25,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 338 M USD
Estimated LOM: 25 years
Mining Method: Pumping - Evaporation

Company's Announcement

July 2022 - Ganfeng Lithium has received the transfer of the Pozuelos-Pastos Grandes project, operated by the subsidiary Lithea Inc., from Lítica Resources.

Pozuelos (PPG)

Resources (2019)

Pastos Grandes				
RESOURCES	**Li Grade (mg/l)**	**K Grade (mg/l)**	**LCE (t)**	**Available Brine (Mm^3)**
M&I	464	4,479	939,080	355
Inferred	467	4,775	307,500	121

Pozuelos				
RESOURCES	**Li Grade (mg/l)**	**K Grade (mg/l)**	**LCE (t)**	**Available Brine (Mm^3)**
M&I	505	3,487	1,677, 500	645.3
Inferred	518	2,240	631,000	229.3

Contact
www.ganfenglithium.com/
Investor Relations (International)
E-mail: samuel.pigott@ganfenglithium.com

Sources Consulted

Ganfeng Lithium Latinoamérica, Pozuelos-Pastos Grandes Project. https://ganfenglithium-latam.com/en/proyecto-prozuelos/
Preliminary Economic Assessment (PEA) - Pozuelos - Pastos Grandes Project NI 43-101 Technical Report Salta, Argentina. January 2019. https://minedocs.com/11/PozuelosPastosGrandes_PEA_01172019.pdf

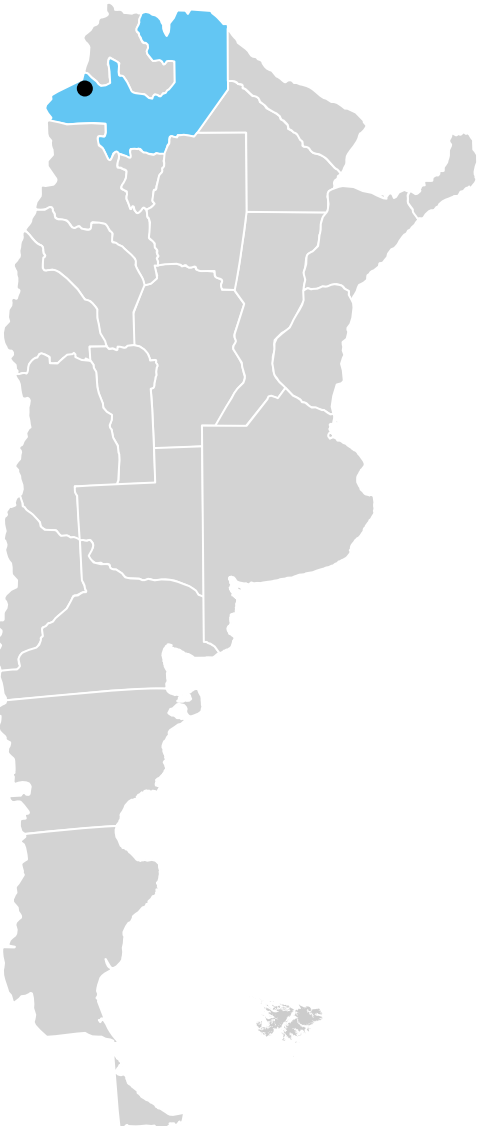
Salar del Rincón

FEASIBILITY

LOCATION

(24° 04’ 12’’ S - 67° 06’ 00’’ W)

The Salar de Rincón is a saline body located in the Los Andes Department, in Salta, at 3,760 m.a.s.l. It is located about 280 km northwest of the city of Salta and is accessed by National Route 51; it is near the town of Olacapato Chico and 40 km from the international border with Chile.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Rio Tinto Group.

OPERATOR

Rio Tinto Mining and Exploration Limited

ÁREA

83,000 ha

Salar del Rincón

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The geological framework is given by a southern volcanic range (Tul Tul - Del Medio and Pocitos volcanoes) and the Guayaos mountain range (Ordovicico) in the north, while the rest is comprised by alluvial fields. It shows an almost continuous layer of salt on the surface that reaches variable thicknesses. Borate is 20-30 cm below a layer of halite that makes up the escape. Borates are ulexite and tincal. Ulexite is up to 50 cm thick and is both solid and nodular. It shows strong contamination with chlorides and sulphates. Tincal occurs at the NE edge of the salt flats and was mined in the old Carolina mine. It occurs in various morphologies, some of which are known to miners as greaves or corn grains. It occurs mainly with a reddish lime-clay ganga.

Project Status FEASIBILITY

Technical and Economic Information

Estimated average annual production: 60,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 769,6 M USD
Estimated LOM: 40 years
Mining Method: Pumping - Direct Lithium Extraction (DLE)

Company's Announcement

December 2024 - Rio Tinto to invest $2.5 billion to expand Rincon lithium project capacity to 60,000 tonnes per year.

Salar del Rincón

Resources (2024)

Summary of the Mineral Resource Estimate Salar del Rincón Project				
Category	**Li Metal (t)**	**LCE (t)**	**Brine Volume (Mm^3)**	**Li Grade (mg/L)**
M&I	1,770,000	9,390,000	4,167	428
Inferred	2,200,000	11,680,000	5,315	416

Contact
Rio Tinto plc Head Office
Cell: +44 20 7781 2000

Sources Consulted

Rio Tinto Group. Salar del Rincón Project. https://www.riotinto.com/en/operations/projects/rincon
Rio Tinto Group. Resources and Reserves (2024).
https://www.riotinto.com/en/invest/financial-news-performance/resources-and-reserves
Rio Tinto Group. Investor Seminar, 2024. https://www.riotinto.com/en/invest/investor-seminars

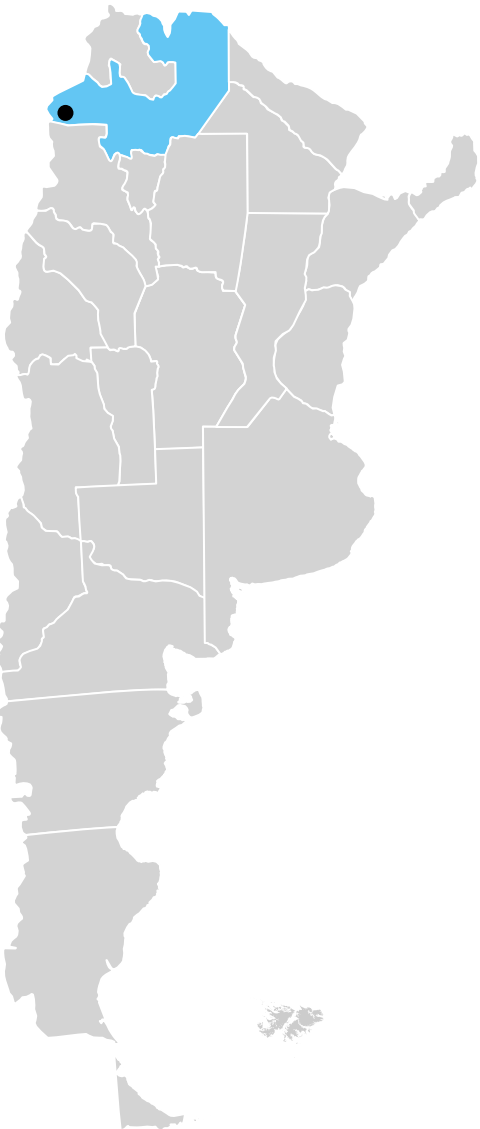
Arizaro

PREFEASIBILITY

LOCATION

(24° 46’ 12’’ S - 67° 42’ 34’’ W)

The Salar de Arizaro, is a saline body located in the Los Andes Department, in Salta, at 3,760 m.a.s.l. It is located about 230 km of the city of Salta and is accessed by National Route 51 and Provincial Route 27. It located 80 km from the international border with Chile.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Lithium Chile Inc. (80%)
SMG S.R.L. (20%)

OPERATOR

Lithium Chile Inc.

ÁREA

22,376 ha

Arizaro

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The deposit consists of a lithium-rich brine aquifer located in a salar basin. Based on the available information, Salar de Arizaro is a mature salar, and one of the larger salars in the Argentinean altiplano. A thick halite core exists in the basin. Basin margins are interpreted to be fault controlled. The principal source of water entering the Project area is from surface water coming into the basin from the basin margins.
The mineralization for the project consists of a lithium-enriched brine that is continued within the pore spaces of the sedimentary strata in the salar basin. Also, with this brine boron and potassium enrichment are considered as economic extraction for this type of project in this Salar of Arizaro.

Project Status: PREFEASIBILITY

Technical and Economic Information

Estimated average annual production: 25,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 1,055 M USD
Estimated LOM: 20 years
Mining Method: Pumping - Direct Lithium Extraction (DLE)

Company's Announcement

July 2024, Announces PRE-TAX NPV of US$3.9 billion and PRE-TAX IRR of 42.1% from pre-feasibility study on Arizaro Project.
April 2024, Lithium Chile increases lithium resource 24% with average grades up to 538 mg/l at Salar de Arizaro, Argentina.
January 2024 - Lithium Chile's subsidary, Argentum Lithium, awarded 8,445 hectares on the Salar de Arizaro by REMSa.

Arizaro

Resources and Reserves (2024)

Summary of the Mineral Resource Estimate Arizaro Project				
Category	**In situ Li (t)**	**LCE (t)**	**Brine Volume (Mm^3)**	**Li Grade (mg/L)**
M & I	469,000	2,498,000	1,580	469
Inferred	305,000	1,624,000	842	305

Summary of the Probable Reserve Estimate Arizaro Project				
Category	**Time Period**	**LCE (t)**	**Brine Volume (Mm^3)**	**Li Grade (mg/L)**
Probable	All (years 1-20)	490,000	407	273

Contact
Steve Cochrane - President & CEO
Phone: +1-587-393-5801
Email: steve@lithiumchile.ca

Sources Consulted
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Lithium Chile Inc. Salar de Arizaro Project NI 43-101 Technical Report and Pre-feasibility Study Salta, Argentina. July 22, 2024. https://lithiumchile.ca/wp-content/uploads/2024/10/Salar-de-Arizaro-NI-43-101-Technical-Report-and-PFS_FINAL-lith.pdf
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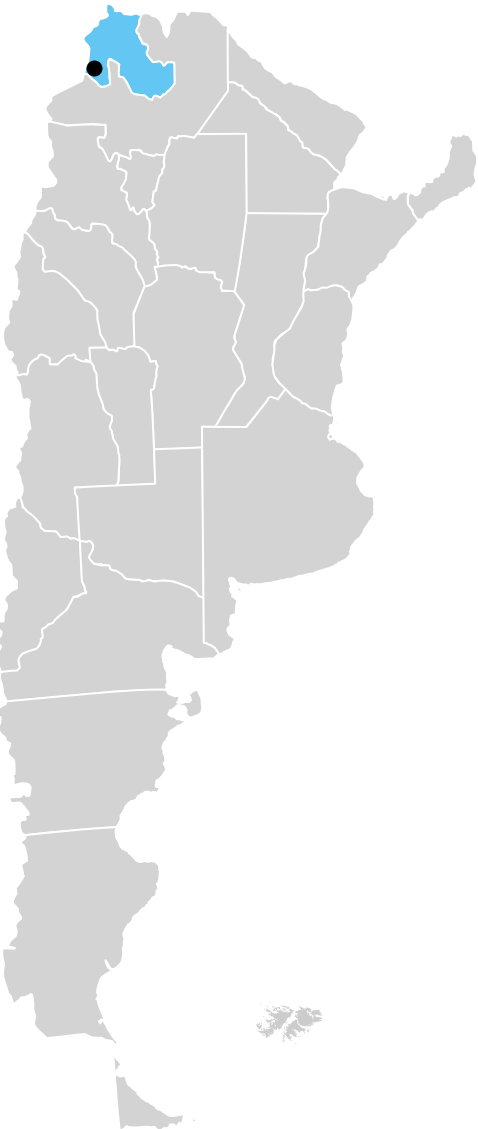
Caucharí

PREFEASIBILITY

LOCATION

(23° 43’ 30.9’’ S - 66° 48’ 39.9’’ W)

The Cauchari project is located in Jujuy, Province in north-west Argentina. The Project is situated in the Salar de Caucharí. It is located at a distance of 1,600 km from Buenos Aires and 250 km from Jujuy Capital.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Austroid Corp.

OPERATOR

Minerales Australes SA.

ÁREA

3,980 ha

Arizaro

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

Salar de Cauchari is a mixed style salar, with a halite nucleus in the center of the Salar overlain with up to 50 m of fine grained (clay) sediments. The halite core is interbedded with clayey to silty and sandy layers. The Salar is surrounded by relative coarse grained alluvial and fluvial sediments. These fans demark the perimeter of the actual Salar visible in satellite images and at depth extend towards the center of the Salar where they form the distal facies with an increase in sand and silt. At depth (between 300 m. and 500 m) a deep sand unit has been intercepted in several core holes in the SE Sector of the Project area.

Project Status PREFEASIBILITY

Technical and Economic Information

Estimated average annual production: 40,000 t/yr. LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: S/D*
Estimated LOM: 30 years
Mining Method: Pumping - Direct Lithium Extraction (DLE)

Company's Announcement
August 2019 - Lake announced final results from drilling confirming a significant high-grade lithium discovery at Cauchari, with the higher grades averaging 493 mg/L lithium over 343m, with the highest results of 540 mg/L lithium.

*Sin dato

Arizaro

Resources (2023)

RESOURCES	Li Grade (mg/L)	LCE (t)	KCl (t)
Measured	493	6,300,000	19,600

Sources Consulted

Austroid Corp., Projects. https://www.austroidcorp.com/posts-projects/argentina-project
https://lakeresources.com.au/lake-resources-project-overview/cauchari/

Salar de Caucharí

PREFEASIBILITY

LOCATION

(23° 29’ 13.19’’ S - 66° 42’ 34.30’’ W)

The Cauchari JV is located in the Salar de Cauchari, 230 km west of the city of San Salvador de Jujuy in Jujuy Province of northern Argentina. The Project is at an altitude of 3,900 masl and sits just to the south of paved Hwy. 52 that connects with the international border with Chile (80 km to the west).

MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Arcadium Lithium plc.

OPERATOR

South American Salars

ÁREA

28,584 ha

Salar de Caucharí

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The brine body defined extends ~12.5 km in the N-S direction and extends over 132 m vertically. Brine within the salar is formed by solar concentration, with brine hosted within the different sedimentary units. (Orocobre PR Jan 19, 2018) The Cauchari salar has characteristics of both an immature salar, dominated by clastic sediment, and a mature salar, dominated by halite. Modelling of a gravity and AMT geophysical survey line across the salar suggests the salar is 400 m plus deep, with drilling in adjacent properties to 450 m not intersecting the basement sediments interpreted to form the basement rock beneath the salar.

Project Status PREFEASIBILITY

Technical and Economic Information

Estimated average annual production: 25,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 446 M USD
Estimated LOM: 30 years
Mining Method: Pumping - Evaporation

Salar de Caucharí

Resources and Reserves (2023)

RESOURCES	Li Grade (mg/l)	LCE (t)
Measured	581	1,600,000
Indicated	494	1,700,000
Inferred	473	1,500,000

RESERVES	Li Grade (mg/l)	LCE (t)
Proven	571	231,000
Probable	485	897,000

Contact
Av. Ejército del Norte 90
Salta, Argentina
Phone: 011-54-387-4322100
Email: IR@arcadiumlithium.com

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https://www.datocms-assets.com/53992/1649845451-cauchari-pfs-final_nov-2019.pdf

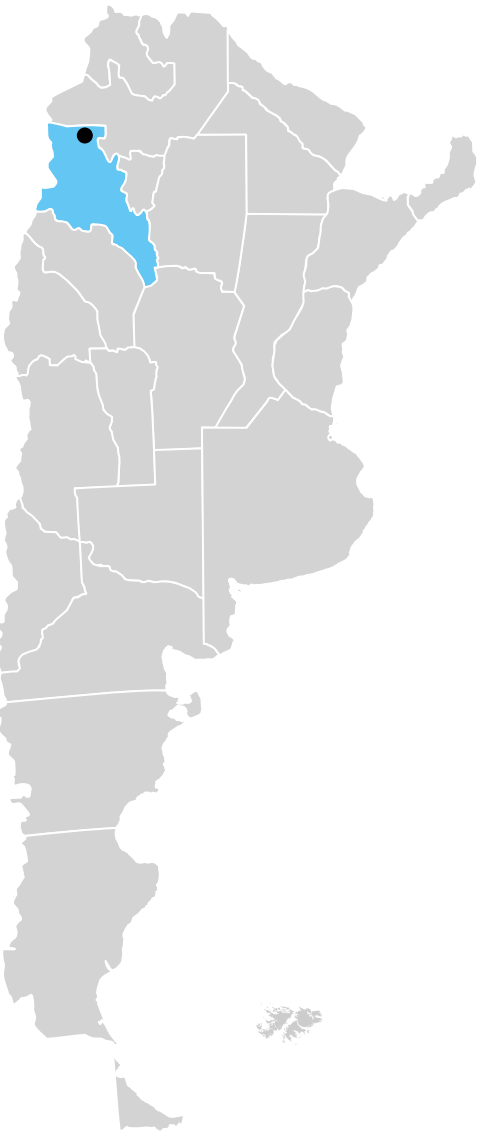
Candelas

PEA

LOCATION

(25° 47’ 59’’ S - 67° 14’ 36” W)

The Candelas Project is part of the Hombre Muerto basin, one of the most globally prolific salt flats, located in the Argentinean Puna plateau of the high Andes mountains at an elevation of approximately 4,000 m above sea level. The Project is in the geological province of Altiplano Puna, 90 km north of the town of Antofagasta de la Sierra, province of Catamarca. The Project is located to the East and South of the Salar del Hombre Muerto.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Galan Lithium Limited

OPERATOR

Galan Exploraciones S.A.

ÁREA

24,000 ha

Candelas

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The local geology of the Hombre Muerto Salar includes a basement of intrusive, sedimentary and metamorphic rocks from the Precambrian and early Paleozoic, thick sequences of Ordovician marine sedimentary rocks with a roof of continental Mesozoic sedimentary units. These are superimposed by the Miocene to Pliocene volcanic deposits, which are common characteristics of the salt flats in the sedimentary basins of the region.

Project Status PRELIMINARY ECONOMIC ASSESSMENT

Technical and Economic Information

Estimated average annual production: 14,000 t/yr
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 408 M USD
Estimated LOM: 25 years
Mining Method: Pumping - Evaporation

Company's Announcement

January 29, 2025 - Galan's Mineral Resources grow to 9.5 Mt LCE
November 2021 - Excellent Preliminary Economic Assessment Results for Candelas Project in Catamarca, Argentina

Candelas

Resources (2023)

RESOURCES	Li Grade (mg/l)	LCE (t)	K Grade (mg/l)	KCl Equiv. (kt)
Indicated	689	1,284,000	6,870	4,588,000

Contact
Phone: (08) 9214 2150 within Australia
Phone: +61 8 9214 4150 from overseas
Email: admin@galanlithium.com.au

Sources Consulted
Galan Lithium Ltd. Candelas Project. www.galanlithium.com.au/projects/candelas/
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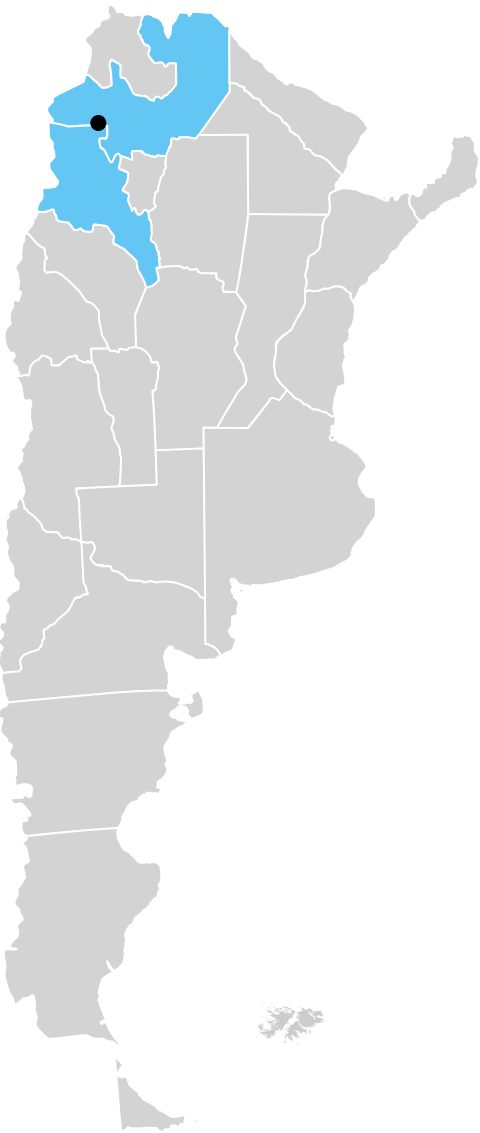
Hombre Muerto Norte

PEA



LOCATION

(25° 13' 12'' S - 67° 04' 12'' W)

The project is located in Antofagasta de La Sierra Department, Catamarca Province and Los Andes Department, Salta Province, approximately 380 km SW of the capital city of Salta by road, and the nearest human settlement of La Redonda is approximately 25 km SW of the Tramo Property by road. Local resources within the Puna are minimal, and most supplies used for mining and exploration at SHM are transported in by truck from Salta and San Antonio de Los Cobres

MINERALIZATION TYPE

Brine

PROPERTY DATA
OWNER / CONTROLLER

Lithium South Development Corp. (70%)
Sino Lithium Materials Pty Ltd (30%)

OPERATOR

NRG Metals Argentina S.A

ÁREA

5,687 ha.

Hombre Muerto Norte

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

The local geology of the Hombre Muerto Salar includes a basement of intrusive, sedimentary and metamorphic rocks from the Precambrian and early Paleozoic, thick sequences of Ordovician marine sedimentary rocks with a roof of continental Mesozoic sedimentary units. These are superimposed by the Miocene to Pliocene volcanic deposits, which are common characteristics of the salt flats in the sedimentary basins of the region.

Project Status PRELIMINARY ECONOMIC ASSESSMENT (PEA)

Technical and Economic Information

Estimated average annual production: 15,600 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3)
CAPEX: 366.1 M USD
Estimated LOM: 25 years
Mining Method: Pumping - Evaporation

Company's Announcement

September 12,2024. Lithium South Development Announces Completion of Phase I Environmental Baseline Study and Progress on Phases II and III.
April 30, 2024. Preliminary Economic Assessment Filed on SEDAR.
November 6, 2023. Lithium South Files LCE Resource NI 43-101 Technical Report.

Hombre Muerto Norte

Resources (2023)

Summary of the Mineral Resource Estimate (Grade cut-off of 500 mg/L lithium)				
RESOURCES	**Li Grade (mg/l)**	**K Grade (mg/l)**	**LCE (t)**	**K (t)**
Alba Sabrina*	696	7,118	807,400	1,550,800
Natalia Maria*	1130	9,991	75,800	129,100
Tramo*	769	7,080	579,800	1,002,300
All Sites**	736	7,205	1,583,100	2,911,200

*Measured values / ** Total values

Contact
Toll Free from North America
Phone: 1-855-415-8100
Email: info@lithiumsouth.com

Sources Consulted
Lithium South Development Corp. Hombre Muerto North Project. https://www.lithiumsouth.com/projects/
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https://www.lithiumsouth.com/wp-content/uploads/2023-technical-report-NI43-101.pdf

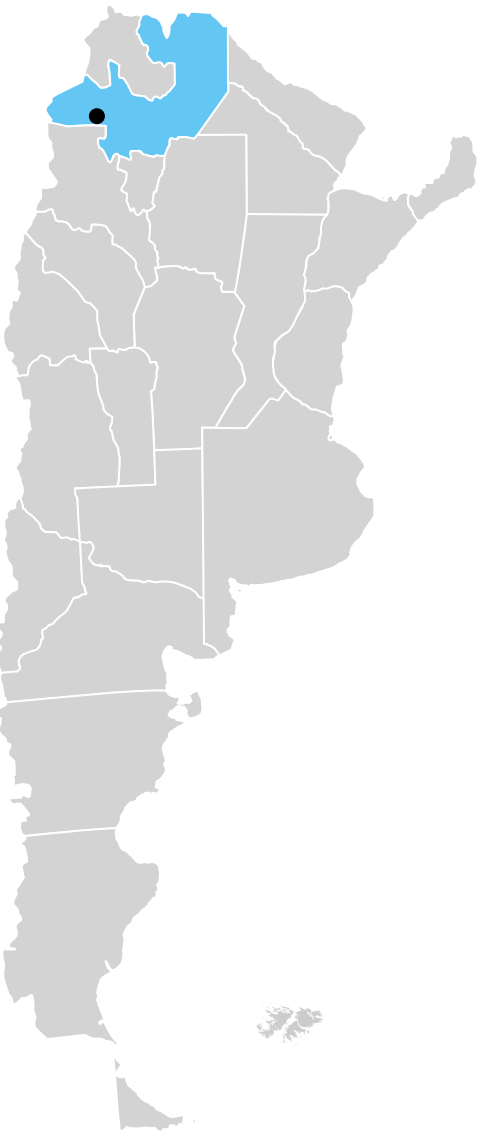
Salar Tolillar

PEA

LOCATION

(25° 2' 12'' S - 66° 7' 26'' W)

The Salar de Tolillar project is located in the heart of the Puna region in Salta, near the border with the province of Catamarca and in close to the Hombre Muerto Salt Flat. The distance from the city of Salta, the capital of the province, is approximately 400 km. The elevation above sea level is around 3,800 meters.



MINERALIZATION TYPE

Brine

PROPERTY DATA OWNER / CONTROLLER

Alpha Lithium Corporation

OPERATOR

Alpha Lithium Argentina S.A.

ÁREA

9,000 ha

Salar Tolillar

PROJECT GEOLOGY
Type of deposit - Brine

Deposit Geology

Salar de Tolillar appears to be a relatively immature salar and the floor of the Salar consists of two distinct deposit types. The northern part of the Salar consists of an earthier crust weakly cemented with salt. To the south, the salt crust varies in thickness from several centimeters to 20 - 30 centimeters. The thicker saline crust allows for better road access than the earthy crust that tends to be softer, especially after precipitation.
There are four sub-basins in the Tolillar basin within the concessions: a northeastern basin that is mostly separated from the south by shallow metamorphic rocks, also containing abundant freshwater in the far north part of the sub-basin; a south sub-basin appearing to become more clastic to the south, with abundant halite occurring in the north part of the sub-basin; a west sub-basin containing abundant halite and an east sub-basin mostly devoid of halite, consisting predominantly of clastic basin-fill sediments.

Project Status: PRELIMINARY ECONOMIC ASSESSMENT (PEA)

Technical and Economic Information

Estimated average annual production: 25,000 t/yr LCE
Product to obtain: Lithium Carbonate (Li_2CO_3) and Lithium Hydroxide (LiOH)
CAPEX: 777 M USD
Estimated LOM: 35
Mining Method: Pumping - Direct Lithium Extraction (DLE)

Company's Announcement

August, 2023. Alpha Lithium Files Significantly Improved Resource Estimate for Tolillar Salar, Argentina
July 2023. The company announced the Preliminary Economic Assessment (PEA) of the Tolillar Project.
July 2023. The company announced a 70% increase in indicated resources and 30% inferred resources increase.

Salar Tolillar

Resources (2023)

Summary of the Mineral Resource Estimate Salar de Tolillar Project				
Category	**In situ Li (tonnes)**	**LCE (tonnes)**	**Brine Volume (m^3)**	**Avg. Li (mg/L)**
Indicated	681,000	3,626,000	2,940,766,000	232
Inferred	262,000	1,393,000	1,453,640,300	180

Contact
Phone: +1 844 592 6337
Email: relations@alphalithium.com

Sources Consulted
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Alpha Lithium Corp., Tolillar Project NI 43-101 Technical Report Update on Preliminary Economic Assessment Salta, Argentina. August 10, 2023.
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https://alphalithium.com/wp-content/uploads/2023/06/Salar-de-Tolillar_Updated-Resource-Estimate_FINAL-2023-August.pdf

Mining Projects in the Prospecting Stage

Ministerio
de Economía
República Argentina

Secretaría
de Minería