CSA NI 43-101 Technical Report on the Santa Daniela Gold Project, Municipios of Sahuaripa and Yecora, Sonora, Mexico

Prepared for Melior Resources Inc.

by

Matthew D. Gray, Ph.D., C.P.G. #10688

Resource Geosciences Incorporated



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Maiz Azul mineralized outcrop in Arroyo Maiz Azul.

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1 SUMMARY

1.1 General Summary

Melior Resources Inc. (Melior) contracted Resource Geosciences Incorporated (RGI) to prepare this updated Technical Report on the Santa Daniela, Sonora, project. This report is an update of an unpublished 15 October 2020 report originally prepared for Ranchero Gold Corporation. (Ranchero). Melior announced on 2 November 2020 that it has entered into a non-binding letter of intent dated October 31, 2020 with Ranchero with respect to a proposed transaction whereby Melior will acquire all of the issued and outstanding common shares in the capital of Ranchero. Ranchero holds an indirect 99.9% interest in a 22,367-hectare gold exploration property located in the Sierra Madre Occidental goldbelt in eastern Sonora, Mexico, known as the Santa Daniela property, subject to a 2% NSR to prior concession owners. This report has been prepared to comply with the disclosure and reporting requirements of CSA NI43-101, describes the historical work completed at the project, summarizes work completed by RGI at the project, and recommends additional work to further advance the project. The effective date of this report is 24 August 2020.

1.2 Property Description

The Santa Daniela project is located in the Municipalities of Sahuaripa and Yecora, State of Sonora, Mexico. The Maiz Azul area, the most advanced exploration target, lies 226 km E-SE of the city of Hermosillo, Sonora, 6 km S-SE of the town of Mulatos, Sonora, and 5km E of Alamos Gold's Mulatos Mine. The project area is centered at approximately 725470E 3171500N UTM WGS84 Z12N. The project hosts low sulfidation epithermal gold-silver mineralization at the Maiz Azul and La Cascada targets, and due to its location within a district hosting high sulfidation epithermal deposits, it is considered prospective for discovery of concealed high sulfidation epithermal gold deposits. For purposes of this evaluation, only Au and Ag are of potential significance.

1.3 Ownership

The project mineral rights are held in 8 mining concessions covering approximately 222.67 square kilometers. Surface rights in the Maiz Azul area are held by the Ejido Mulatos, a communal agrarian cooperative. A valid surface rights agreement covering the Maiz Azul area, the most advanced exploration target at the project, is in effect, allowing mineral exploration and development. Exploration has been carried out under the authority of agreements between the project operators and the Ejido Mulatos.

1.4 Geology and Mineralization

The Santa Daniela project lies within the Sierra Madre Occidental (SMO) province, a regionally extensive Tertiary volcanic field, comprised of two distinct volcanic sequences, an older andesitic and dacitic series, and a younger, pyroclastic dominated rhyolitic series. The traditional nomenclature refers to these as the Serie Volcanica Inferior (Lower



Series) and Serie Volcanica Superior (Upper Series). The Lower Series is dominated by Paleocene and Eocene andesitic lavas and pyroclastic deposits, with interbedded volcaniclastic strata. Silicic volcanic units are present but are a minor component. The volcanic strata of the Lower Series are cut by calc-alkaline intrusives. The Upper Series unconformably overlies the Lower Series with erosional disconformity and comprises a sequence dominated by Oligocene and early Miocene dacitic and rhyolitic pyroclastic strata and volcaniclastic strata. Most significant metal occurrences in the SMO are hosted by rocks of the Lower Series or the underlying Mesozoic strata.

The Santa Daniela project area is underlain by the Lower Series volcanic sequence comprised of Paleocene andesitic and dacitic volcanic rocks interbedded with epiclastic rocks of similar composition, capped by Upper Series Oligocene ignimbrites. The favorable Lower Series rocks are exposed in valleys incised through the overlying Upper Series rocks.

Mapping conducted as part of the study for this report documented zones of quartz veining and hydrothermal alteration consistent with the upper levels of a low sulfidation epithermal mineralized system. Historical drill programs in one of these alteration zones, the Maiz Azul zone, identified potentially significant gold mineralized zones, as summarized in Table 1.

Drillhole	From m	To m	Length	Au ppm	Ag ppm	
MA-18-01	114.35	120.05	5.70	1.64	2.11	
MA-18-02	115.55	120.65	5.10	0.75	1.62	
MA-18-02	121.70	128.90	7.20	0.47	1.51	
MA-18-03	84.00	88.05	4.05	0.75	1.44	
MA-18-03	97.30	108.90	11.60	4.23	9.37	
MA-18-04	116.70	120.80	4.10	1.24	0.99	
MA-18-04	217.15	221.15	4.00	0.32	2.23	

Table 1. Historical drillhole intercepts*.

*Intercepts reported according to the following criteria: Minimum composite length 3m; minimum composite grade 0.25 gpt Au; cutoff grade for composite interval 0.25 gpt Au; allowable internal waste below cutoff grade, 1m maximum.

These drillhole results are historical in nature, have not been verified by the author, and should not be relied upon, and Melior is not treating the historical drillhole data as current data, however the author has no reason to doubt the validity of the reported historic results, and the author considers them adequate for the purposes of this report, including the data validation recommended in Section 26 of this report.

1.5 Exploration and Drilling

Melior has not conducted any exploration drilling at the project. Prior lessee of the project, Altos Hornos de Mexico SA de CV, conducted 3,380.05 m of drilling in 14 diamond core drillholes.

1.6 Mineral Processing and Metallurgical Testwork

No metallurgical studies have been conducted.

1.7 Historical Mineral Resources

Historical mineral resources have not been reported for the property.

1.8 Conclusions and Recommendations

Historical outcrop and drillcore assays and outcropping, mappable vein zones and hydrothermal alteration zones demonstrate that the Santa Daniela project is prospective for hosting a structurally controlled, low sulfidation epithermal gold deposit. **The 2016 through 2019 drilling results are historical in nature, have not been verified by the author, and should not be relied upon, and Melior is not treating the historical drillhole data as current data,** however the author has no reason to doubt the validity of the reported historical results. The historical drill results demonstrate potentially significant mineralization in the Maiz Azul zone. High priority targets for drill testing have been identified by the historical work and recent mapping. The La Cascada and Maiz Azul zones were known from prior historical sampling, and a new target area, the X Structure, was identified during mapping in 2020. A geologically reasonable but speculative target, the structural intersection of high angle structures with the Maiz Azul structure is proposed based upon the recent mapping. The project merits drill testing and further exploration. Specific recommendations are:

- 1. Confirm, by diamond core drilling, the mineralization indicated by historical drilling in the Maiz Azul structural zone and demonstrate strike and dip continuity of the mineralized zone exposed in the Arroyo Maiz Azul.
- 2. Explore, by diamond core drilling, gold mineralization in the La Cascada structural zone.
- 3. Test mineralization at depth, by diamond core drilling, along the X Structure.
- 4. Test for mineralization at the projected intersection of high angle mineralized structures with the Maiz Azul structure.
- 5. Discover new mineralized zones in areas of the concession that have not yet been mapped and evaluated. Outside of the Maiz Azul area, the concessions comprise an early stage exploration opportunity that merits evaluation. Analogs to targets that should be sought are Maiz Azul style low sulfidation epithermal mineralization and high sulfidation mineralization similar to the La India and Mulatos gold deposits. Oligocene-Miocene ignimbritic and extrusive volcanic strata cover much of the concessions, and these areas are not considered prospective but erosional windows exposing

potentially mineralized Lower Series strata could be sought using regional stream sediment geochemical surveys. The utility of this method could be quickly demonstrated or disproven with an orientation survey over the Maiz Azul area.

A 12-month, 2 stage work plan is recommended. The first stage comprises 6 months and encompasses: validation and confirmation of the mineralization demonstrated by historic rock chip and drillhole database; drill testing of the La Cascada, X Structure, and structural intersection targets; and regional geochemical and geological studies to discern areas prospective for hosting mineralization (and conversely, to identify areas covered by unmineralized volcanic cover that postdates the known mineralizing events; such areas can be removed from the mineral concession holdings). Stage 1 includes 3,000m of diamond core drilling.

The second stage, lasting 6 months, which is conditional upon positive results from the first, comprises 10,000m of definition drilling of mineralized zones confirmed during the Stage 1 drill program and detailed geologic mapping and geochemical surveys of mineralized areas discerned during Stage 1 exploration. Exclusive of corporate costs and holding costs, the total recommended Stage 1 budget is \$1.2M USD. The conditional Stage 2 budget is \$3.2M (Table 1-2). All Stage 2 work is contingent upon successful results from Stage 1 work.

Table 1-2. Recommended Two Stage Work Plan and Budget, Santa Daniela Project

Stage 1: Data Confirmation, Drill Testing Known Targets, Regional Evaluation

Activity or Concept	Month Start	Month End	Cost USD
Activity or Concept	Start	EIIU	COSLUSD
Systematic surface sampling and assays			
	1	3	50,000
Regional geochemical survey and reconnaissance mapping			
	1	3	75,000
Diamond core drilling, 3,000 meters, Maiz Azul, La Cascada, X			
Structure targets. Cost of \$300 per m includes drilling, assay,			
earthworks, geology	3	6	900,000
Camp (house rental, meals, janitorial, cook, etc.)	1	6	42,000
Camp (nouse remai, meais, jamuonai, cook, etc.)	1	0	42,000
Core worehouse and logging facilities	1	6	12 000
Core warehouse and logging facilities	1	0	12,000
Vehicles	1	0	20,000
Vehicles	1	6	36,000
Vehicle fuel and maintenance	1	6	7,000
Travel (flights, hotels, meals)	1	6	40,000
Communication	1	6	6,000

Grand Total Stage 1 USD

\$1,168,000

Stage 2: Resource Definition Drilling of Mineralized Zones Discovered in Stage 1

Resource definition diamond core drilling, 10,000 meters. Cost of	Ŭ		
\$300 per m includes drilling, assay, earthworks, geology	7	12	3,000,000
Detailed geochemical surveys and reconnaissance mapping, targets discovered during Stage 1 exploration	7	12	75,000
Camp (house rental, meals, janitorial, cook, etc.)	7	12	42,000
Core warehouse and logging facilities	7	12	12,000
Vehicles	7	12	36,000
Vehicle fuel and maintenance	7	12	7,000
Travel (flights, hotels, meals)	7	12	40,000
Communication	7	12	6,000

Grand Total Stage 2 USD

\$3,218,000

2 INTRODUCTION AND TERMS OF REFERENCE

2.1 Introduction

Resource Geosciences Incorporated (RGI) was contracted by Melior Resources Inc. (Melior) to prepare this Technical Report on the Santa Daniela, Sonora, project. This report is an update of an unpublished 15 October 2020 report originally prepared for Ranchero Gold Corporation. (Ranchero). RGI had been contracted by Ranchero to:

- 1. Perform an independent evaluation of the Santa Daniela gold project in the Sahuaripa and Yecora Municipalities, Sonora, Mexico
- 2. Provide an opinion as to whether the project merits additional work.
- 3. Provide recommendations to advance the project.
- 4. Prepare a Technical Report in accordance with the disclosure standards of CSA National Instrument 43-101 (NI43-101).

This report has been prepared in accordance with CSA NI 43-101 standards. The report provides a summary of the geology of the project, its potential to host economic mineral deposits, and recommendations for additional work.

2.2 Terms of Reference

Melior commissioned RGI to prepare a report following CSA NI43-101 guidelines for submission as a Technical Report for the Santa Daniela, Sonora property. Melior is a TSX Venture Exchange listed company focused on assessing, developing and operating resource projects. Melior's major asset is the Goondicum Ilmenite and Apatite Mine located in Queensland, Australia.

Matthew Gray, senior partner of RGI, an independent geosciences consulting firm, visited the Santa Daniela project, reviewed the available geologic data, and conducted an independent analysis to accomplish the requested task. RGI geoscientists, working under the supervision of Gray, conducted geologic mapping (senior geologist Mario Castellanos and project geologist Francisco Reyna), drillcore logging (senior geologist Rodolfo Sauceda), and geochemical interpretation and alteration mineral analyses (senior geochemist Francisco Querol).

2.3 Purpose of Report

The purpose of this report is to provide an independent assessment of the Santa Daniela project and to recommend an exploration program to enhance the economic potential of the project. This report has been prepared in accordance with the disclosure and reporting requirements set forth in CSA NI43-101.

2.4 Sources of Information

In the preparation of this report Dr. Gray has relied on his own observations and data independently generated by RGI geologists and geochemists, supplemented by information obtained through review of both published and unpublished documents and maps.

RGI senior partner Mario Castellanos and RGI geologists Rodolfo Sauceda, Francisco Reyna, and Francisco Querol conducted field studies at the project during the period Dec 2019 to May 2020. Castellanos and Reyna spent 23 days on site at the project conducting geologic mapping and field studies, Sauceda spent 28 days on site at the project conducting geologic logging of historical drill core, and Querol spent 14 days on site and in RGI's Hermosillo facilities conducting alteration mineral analyses on drill core and rock chip samples. In addition to Gray's own observations, and RGI generated data, sources of information regarding regional geology, mining history of the region, and topographic data, include:

- Geologic, geophysical, and assay data collected and published by the Servicio Geologico Mexicano, a Mexican Federal agency.
- Topographic and physiographic data collected and published by the Instituto Nacional de Estadistica y Geografia, a Mexican Federal Agency.
- Historic drillhole geology and assay information contained in digital databases provided by Ranchero and its Mexican subsidiary Minera y Metalurgia Paika SA de CV.
- Historical exploration information contained in reports provided by Ranchero and its Mexican subsidiary Minera y Metalurgia Paika SA de CV.
- Mining concession information provided by Lic. Gustavo Aguilar Aranda, Legal Counsel for Ranchero's Mexican subsidiaries.
- Land access agreement summaries provided by Lic. Gustavo Aguilar Aranda, Legal Counsel for Ranchero's Mexican subsidiaries.
- Environmental permitting information provided by Lic. Gustavo Aguilar Aranda, Legal Counsel for Ranchero's Mexican subsidiaries.
- Water rights information provided by Lic. Gustavo Aguilar Aranda, Legal Counsel for Ranchero's Mexican subsidiaries.

Data that was not generated by the author or Resource Geosciences Inc. has not been independently verified, except as noted in Item 12 of this report. Where information from unverified sources is relevant to interpretations and discussions of the economic potential of the project, the source of information is explicitly mentioned.

2.5 Field Examination and Data Review by M. Gray.

On 8 January 2020, Matthew D. Gray, Ph.D., C.P.G., President of RGI, conducted a field visit to the Santa Daniela Gold Project, Sonora, Mexico (Figure 2-1). Subsequent to Gray's site inspection, RGI personnel working under the direct supervision of Gray, including senior partner Mario Castellanos and RGI geologists Rodolfo Sauceda, Francisco Reyna, and Francisco Querol conducted geologic mapping, logging of historic archived core, and alteration mineral studies at the project, however no drilling,



mechanized trenching and sampling, or geophysical studies were conducted. Throughout the period of field studies by RGI at the project, Gray was independently involved in data review and analysis, and determined that as of the effective date of this report there has been no material change to the scientific and technical information about the property since that personal inspection.



Figure 2-1. Field visit, 8 January 2020, L to R: S. Ristorcelli, J. Baltierrez, W. Pincus, M. Gray, pilot E. Castro.

Prior to the field visit and data review conducted for the purposes of this Technical Report, Dr. Gray had been directly involved in mineral exploration programs in the Mulatos mining district but had not conducted examinations of the Santa Daniela project.

2.6 Definitions and Translations

AHMSA	-	Altos Hornos de México SA de CV
C	-	Centigrade
cm	-	centimeter
CONAGUA	-	Comisión Nacional de Agua (National Water Commission)
CRM	-	Consejo de Recursos Minerales (Natural Resources Council)
CSAMT	-	Controlled source audio-frequency magneto tellurics
		(geophysical survey method)
CUS	-	Cambio de Uso de Suelo (Land Use Change Permit)
DGM	-	Direccion General de Minas (Central Mining Department)
gpt	-	grams per tonne, equivalent to ppm
Has	-	hectares
HQ	-	diamond drill core size, 63.5 mm core diameter
IP	-	Induced polarization (geophysical survey method)
km	-	kilometer
М	-	million
MIA	-	Manifiesto de Impacto Ambiental (Environmental Impact
		Statement
masl	-	meters above sea level
Melior	-	Melior Resources Incorporated
mm	-	millimeter
NA	-	North azimuth, bearing expressed as 0 to 360 degrees
NOM120	-	Norma Oficial Mexicana 120
NSR	-	Net Smelter Return
oz	-	Troy Ounce
Paika	-	Minera y Metalurgia Paika SA de CV
ppm	-	parts per million
Ranchero	-	Ranchero Gold Corporation
RGI	-	Resource Geosciences Incorporated
RGM	-	Resource Geosciences de Mexico SA de CV
RTO	-	Reverse take-over
SEMARNAT		Secretaria del Medio Ambiente y Recursos Naturales
		(Secretary of the Environment and Natural Resources)
SGM	-	Servicio Geológico Mexicano (Mexican Geologic Survey)
SMO	-	Sierra Madre Occidental
UTM	-	Universal Transverse Mercator
WGS84	-	World Geodetic System 1984 datum

3 RELIANCE ON OTHER EXPERTS

The authors are not experts in Mexican mining, civil, environmental or tax laws and the authors are not Qualified Persons with respect to these subjects. The QP has not reviewed the mineral tenure, environmental permits, surface ownership, water rights, nor independently verified the corporate legal status, ownership of the Project area or underlying property agreements. The QP has fully relied upon, and disclaims responsibility for, information derived from legal experts for this information through the following documents:

Letter from Lic. Gustavo Aguilar Aranda of Hermosillo, Sonora law firm Promocion Integral Minera, titled "Informacion de Concesion de Agua con Titulo 02SON152958/09FMDA18", a summary of water rights held by Minera y Metalurgia Paika SA de CV for the Santa Daniela Project, Sonora, Mexico, dated 4 August 2020 (Appendix 1).

Letter from Lic. Gustavo Aguilar Aranda of Hermosillo, Sonora law firm Promocion Integral Minera of Hermosillo, Sonora, titled "Opinion Legal Concesiones Mineras e Informe Preventivo", a summary of mineral rights and environmental permits held by Minera y Metalurgia Paika SA de CV for the Santa Daniela Project, Sonora, Mexico, dated 5 August 2020 (Appendix 1).

Letter from Lic. Gustavo Aguilar Aranda of Hermosillo, Sonora law firm Promocion Integral Minera of Hermosillo, Sonora, titled "Opinion Legal Concesion Minera Santa Daniela 1 Titulo 245008 y Legal Otorgamiento de Ocupacion Temporal Sobre El Ejido Mulatos", a summary of mineral rights and surface rights held by Minera y Metalurgia Paika SA de CV for the Santa Daniela Project, Sonora, Mexico, dated 4 August 2020 (Appendix 1).

Information provided by senior management of Ranchero regarding corporate contracts and obligations derived therefrom.

Information from these letters and supporting documents has been used in Section 4 of this report.

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RGI if the Technical Report is presented in its entirety without omissions or modifications, subject to the regulations of CSA NI43-101.

4 PROPERTY DESCRIPTION AND LOCATION

4.1 Area and Location

The Santa Daniela project is located in the Municipalities of Sahuaripa and Yecora, State of Sonora, near the village of Mulatos. The Maiz Azul area, the most advanced exploration target, lies 226 km E-SE of the city of Hermosillo, Sonora, 6 km S-SE of the town of Mulatos, Sonora, and 5km E of Alamos Gold's Mulatos Mine. The project area is centered at approximately 725470E 3171500N UTM WGS84 Z12N (Figure 4-1).

All geographic references in this report utilize UTM Zone 12N datum WGS84 otherwise stated.

4.2 Melior – Ranchero Proposed Transaction

Melior Resources Inc. entered into a non-binding letter of intent dated October 31, 2020 with Ranchero Gold Corp. with respect to a proposed transaction whereby Melior will acquire all of the issued and outstanding common shares in the capital of Ranchero (Melior Resources Inc., 2020). Ranchero holds an indirect 99.9% interest in the Santa Daniela property through its ownership of its Mexican subsidiary Paika.

The proposed transaction will constitute an arm's length reverse take-over (RTO) pursuant to the policies of the TSX Venture Exchange.

Pursuant to the proposed RTO, Melior will consolidate its outstanding share capital and acquire all of the issued and outstanding Ranchero Shares from the holders thereof in exchange for post- consolidation common shares of the Melior, such that immediately following the closing of the Proposed Transaction and such other transactions described herein, the shareholders of Melior immediately prior to closing of the Proposed Transaction, as a group, would hold no less than 12.2% of the outstanding Resulting Issuer Shares on a fully-diluted basis.

It is anticipated that prior to the closing of the proposed RTO, Pala Investments Limited is expected to convert a material portion of its principal amount US\$18,837,500 convertible indebtedness (plus the interest and fees accrued thereon) into common shares of Melior and thereafter forgive or assign any remaining indebtedness (including any interest and fees accrued thereon), and Ranchero will complete a brokered private placement of subscription receipts of Ranchero at a purchase price of at least C\$0.45 per subscription receipt for aggregate gross proceeds of up to C\$5,000,000, subject to an over-allotment option for an additional C\$1,000,000 of subscription receipts at any time up to 48 hours prior to the closing date of the concurrent financing.

Each subscription receipt will entitle the holder thereof to automatically receive, upon satisfaction of certain escrow release conditions, one Ranchero share, which shall immediately be exchanged for Resulting Issuer Shares upon completion of the proposed RTO. Ranchero intends to use the proceeds of the concurrent financing for exploration



and development of Ranchero's properties in Mexico and for working capital and general corporate purposes.

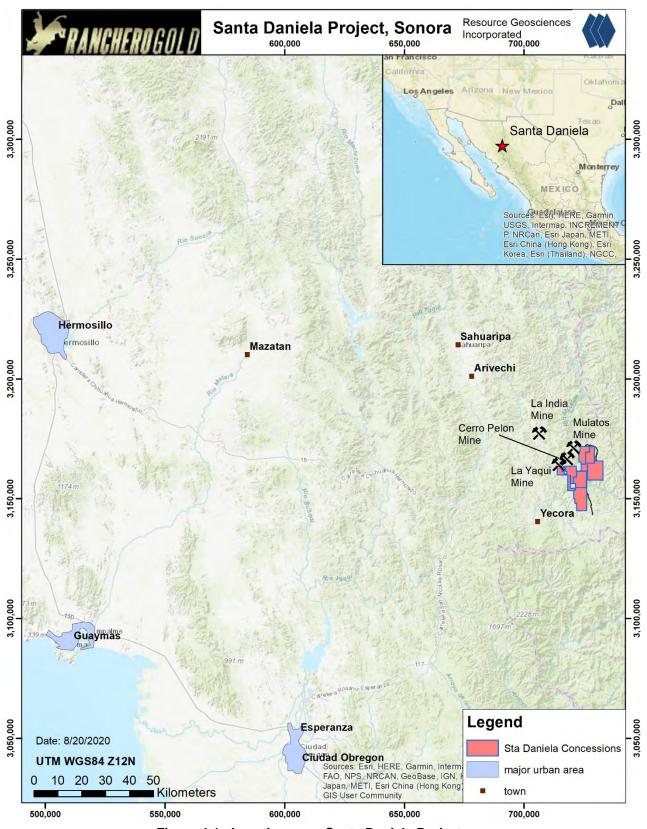


Figure 4-1. Location map, Santa Daniela Project.

4.3 Claims and Title

The author is not an expert in Mexican mining law. The legal standing of project claims has not been verified by Dr. Gray or RGI. The author has relied upon representations from senior management of Ranchero and legal opinion letters from Lic. Gustavo Aguilar Aranda of Hermosillo, Sonora for a review of the concession titles and legal framework, as described in Item 3 of this report and documented in Appendix 1. Lic. Aguilar Aranda verified that the concessions are in good standing and ownership of all eight concessions has been registered to Minera and Metalurgia Paika SA de CV, a 100% subsidiary of Ranchero, with the prior concession owners retaining a 2% NSR on all concessions.

Lic. Aguilar Aranda and Ranchero report that the mining concessions comprising the Santa Daniela project are not encumbered by any back in rights, payments, or other agreements beyond the 2% NSR payable to the prior concession owners.

All minerals rights in Mexico are the property of the government of Mexico and may be exploited by private entities under concessions granted by the Mexican federal government. The process was defined under the Mexican Mining Law of 1992 and excludes petroleum and nuclear resources from consideration. The Mining Law also requires that non-Mexican entities must either establish a Mexican corporation, or partner with a Mexican entity.

Under current Mexican mining law, amended April 29, 2005, the Direccion General de Minas ('DGM') grants concessions for a period of 50 years, provided the concession is maintained in good standing. There is no distinction between mineral exploration and exploitation concessions. As part of the requirements to maintain a concession in good standing, bi-annual fees must be paid based upon a per-hectare escalating fee, work expenditures must be incurred in amounts determined on the basis of concession size and age, and applicable environmental regulations must be respected.

The Santa Daniela project consists of eight concessions covering in aggregate 22,266.9159 Has.

Concession Title 228792 was originally staked and titled to Aurelio Valdespino Partida and Ernesto Lopez Montes. Title to this concession was transferred to JLL Grupo Mulatos de Sonora on Jan 26, 2012. On Aug 16, 2016, this concession was subdivided into 6 new concessions, Titles 245008, 245009, 245010, 245011, 245012 and 245013. These six titles were transferred to Minera and Metalurgia Paika on Feb 19, 2020 with JLL Grupo Mulatos de Sonora retaining a 2% NSR on all concessions.

The STA DANIELA (Title 225783) and STA. DANIELA (Title 225784) concessions were originally staked and titled to Ernesto Lopez Montes, and were transferred to SAH Exploraciones on August 30, 2011. These two concessions were then transferred to Minera y Metalurgia Paika on February 19, 2020. with SAH Exploraciones retaining a 2% NSR on all concessions.

Concession information is summarized in Table 4-1, and the concessions are shown in Figure 4-2. Concession titles are included as Appendix 2.

Concession Name	Title Number	Titled to	Expediente Number	Hectares	Expiration Date
STA. DANIELA	225783	Ernesto Lopez Montes	082/29717	97.0000	October 24, 2055
STA. DANIELA	225784	Ernesto Lopez Montes	082/29718	100.0000	October 24, 2055
STA. DANIELA 1	245008	JLL Grupo Mulatos de Sonora SA de CV	4/003-00551	2301.2237	February 1, 2057
STA. DANIELA 2	245009	JLL Grupo Mulatos de Sonora SA de CV	4/003-00551	2892.2937	February 1, 2057
STA. DANIELA 3	245010	JLL Grupo Mulatos de Sonora SA de CV	4/003-00551	3947.2935	February 1, 2057
STA. DANIELA 4	245011	JLL Grupo Mulatos de Sonora SA de CV	4/003-00551	4770.4305	February 1, 2057
STA. DANIELA 5	245012	JLL Grupo Mulatos de Sonora SA de CV	4/003-00551	4912.5854	February 1, 2057
STA. DANIELA 6	245013	JLL Grupo Mulatos de Sonora SA de CV	4/003-00551	3246.0891	February 1, 2057

Table 4-1. Listing of Mining Concessions

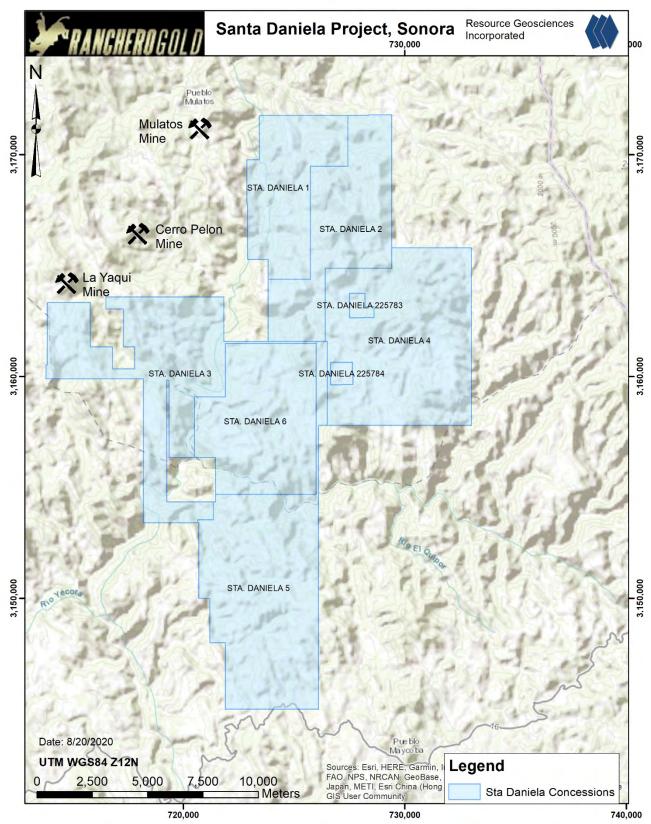


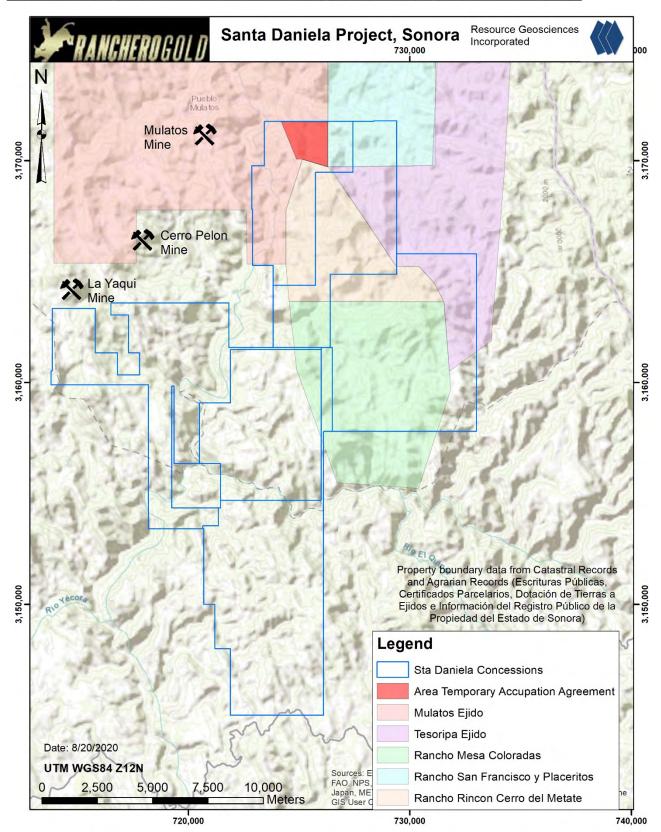
Figure 4-2. Mining concessions, Santa Daniela Project.

4.4 Surface Rights

The author is not an expert in Mexican surface rights or contract law. The legal standing of project surface rights has not been verified by Dr. Gray or RGI. The author has relied upon Ranchero's legal counsel in Mexico, Lic. Gustavo Aguilar Aranda for a review of the project surface rights as discussed in Item 3 of this report and documented in Appendix 1.

Surface rights for the project have been investigated only for the northwest portion of the claim block, where exploration activities have taken place. Portions of the property are owned by the Mulatos and Tesoripa Ejidos and by private ranches. Ejidos are Federally defined agrarian communities with cooperative land rights. Surface rights at the Maiz Azul target area are owned by the Mulatos Ejido and Ranchero has surface rights to the land which includes the Maiz Azul area at Santa Daniela by means of a Temporary Occupation agreement covering 307.7704 ha between the Mulatos Ejido and JLL Grupo Mulatos de Sonora SA de CV (Appendix 3). Upon transference of mineral concession titles from JLL to Paika, the Temporary Occupation permit rights and obligations were transferred to Paika, Ranchero's Mexican subsidiary. Prior operator AHMSA conducted exploration drilling on private ranch lands of the Rancho Rincon Cerro del Metate and Rancho Mesas Coloradas.

Areas for which Ranchero controls surface rights, and surface ownership as presently investigated and documented, are shown in Figure 4-3.





4.5 Environmental Liability

No environmental liabilities are apparent. The property does not contain active or historic mines or prospects beyond the level of small artisanal workings. There are no plant facilities present within the project area, nor are tailings piles present. All exploration work has been carried out by prior operators in accordance with Mexican environmental standards.

4.6 Permits

4.6.1 Environmental

The author is not an expert in Mexican environmental law. The legal standing and validity of project environmental permits has not been verified by Dr. Gray or RGI. The author has relied upon Lic. Gustavo Aguilar Aranda for a summary review of the project environmental permits as discussed in Item 3 of this report and documented in Appendix 1.

The Ley de Desarrollo Forestal Sustentable (Sustainable Development Forest Law) and the Ley General del Equilibrio Ecológico y Protección al Ambiente (General Law of Ecologic Equilibrium and Environmental Protection) regulate all direct exploration activities carried out at Santa Daniela (reverse circulation drilling, core drilling, trenching, road construction, etc.). Surface disturbances caused by exploration activities require a Cambio de Uso de Suelo (CUS, Land Use Change) authorization and approval of an Environmental Impact Assessment (MIA).

Exploration and mining activities in Mexico are subject to control by the Secretaria del Medio Ambiente y Recursos Naturales (Secretary of the Environment and Natural Resources), known by its acronym SEMARNAT. The Santa Daniela project is not included within any specially protected, Federally designated ecological zones, therefore basic exploration activities are regulated under Norma Oficial Mexicana NOM-120-ECOL-2011. NOM120 allows for activities including mapping, geochemical sampling, geophysical surveys, mechanized trenching, road building, and drilling. Most exploration activities can be permitted utilizing NOM120.

On 10 May 2019, SEMARNAT, under the guidelines of NOM120, issued to JLL Grupo Mulatos de Sonora SA de CV, authorization to construct 208 drillpads in the Maiz Azul area on a 100 x 100m grid pattern, via Oficio DS-SG-UGA-IA-0239/2019 (Appendix 4). Upon transference of mineral concession titles to Paika, permit rights and obligations of the SEMARNAT permit were transferred to Paika.

A review of environmental compliance and permitting issues was not within the scope of the present study. Lic. Aguilar Aranda and Ranchero report that the environmental permits currently granted to the project allow for basic exploration work including geologic mapping, surface rock chip sampling, and drilling.

4.6.2 <u>Water</u>

The author is not an expert in Mexican water law. The legal standing and validity of project water rights has not been verified by Dr. Gray or RGI. The author has relied upon Lic. Gustavo Aguilar Aranda for a summary review of the project water rights as discussed in Item 3 of this report and documented in Appendix 1.

The National Water Law regulates all water use in Mexico under the responsibility of Comisión Nacional del Agua (CONAGUA). Applications are submitted to CONAGUA indicating the annual water needs for mining activities and the source of water to be used. CONAGUA grants water concessions according to stipulated water availability in the source area.

On 4 July 2018 CONAGUA ceded to JLL Grupo Mulatos de Sonora SA de CV an industrial use water right for 3,000,000 cubic meters per annum, title 02SON152958/09FMDA18 (Appendix 5). On 17 July 2020 JLL executed a contract with Paika under which these water rights were transferred to Paika.

4.7 Access, Title, and Permit Risks

4.7.1 Access Risks

The project has had a productive relationship with the surface owners and no extraordinary risks to project access were discerned. A valid surface access agreement allows Ranchero to explore the property.

4.7.2 <u>Title Risks</u>

Ranchero advises that they have met legal requirements to maintain in good standing mining concession titles. Conditional upon continued compliance with annual requirements, no risk to validity of title was discerned.

4.7.3 Permit Risks

Prior operators have been compliant with Mexican environmental regulations and conditional upon continued compliance, permits for normal exploration activities are expected to be readily attainable. The project is in an active mining district where both Alamos Gold and Agnico Eagle are operating large open pit gold mines. A valid surface rights agreement that allows exploration and development of the most advanced targets on the property is in effect. No extraordinary permitting risks were discerned.

5 ACCESSIBILTY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, AND PHYSIOGRAPHY

5.1 Accessibility

The property is located approximately 226 km E-SE of the city of Hermosillo, Sonora, 6 km S-SE of the town of Mulatos, Sonora, and 5km E of Alamos Gold's Mulatos Mine. The project area is centered at approximately 725470E 3171500N UTM WGS84 Z12N. The project is in the eastern portion of the State of Sonora, Mexico, in close proximity to the neighboring State of Chihuahua (Figure 5-1). Access is by road from Hermosillo and requires approximately 7 hours of travel time. The first 150 kilometers is via a paved road to the village of Arivechi located 15 kilometers southeast of Sahuaripa. The remaining distance is on a gravel and dirt roads, well maintained up to the Mulatos mine. Alternatively, access can be gained by entering through Yecora off of the Hermosillo-Chihuahua highway.

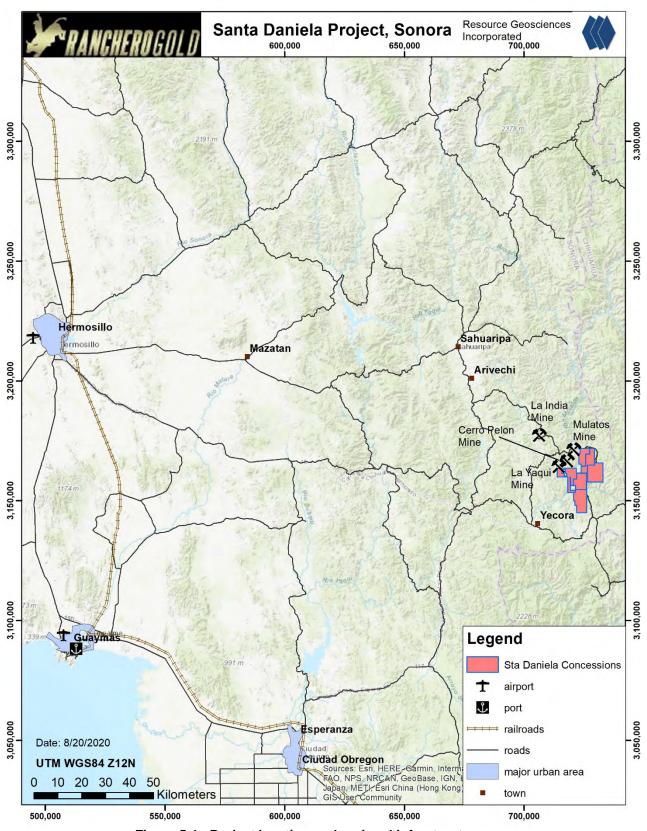


Figure 5-1. Project location and regional infrastructure.

5.2 Physiography, Climate and Vegetation

The property is in the Sierra Madre Mountains of eastern Sonora. The topography consists of long ridges separated by steep V- shaped valleys. Elevations range from 940 masl to over 2080 masl. Areas of low relief are scarce, thus suitable locations for mill sites, leach pads, waste dumps, and other mine related infrastructure will require special engineering considerations, similar to that of other active mines in the region.

The climate in the area is semi-arid with variable seasonal temperatures typically ranging from 35°C in the summer and -2°C in the winter, with occasional frost and snow at higher elevations. The area experiences torrential rainfall occurring from July to September and the driest months are March to May. Exploration activities may be conducted year round, although summer rains may cause occasional closings of river and arroyo crossings.

Vegetation in the area is varied. Vegetation at higher elevations consists of open pine forests while oak and cedar forests predominate at lower elevations (Figure 5-2). Poor soils and inconsistent precipitation limit the viability of farming in the area.



Figure 5-2. View of typical topography and vegetation at Santa Daniela, looking north from drillpad MH18-01, across Arroyo Maiz Azul.

5.3 Local Resources and Infrastructure

The property is located near the town of Mulatos, which offers little infrastructure beyond rural telephone service and small Federally subsidized grocery stores. Most basic services are available in Sahuaripa, and to a lesser degree in Yecora. The population of the district is estimated to be a few thousand with most of the inhabitants involved in small mining operations, ranching, and/or subsistence farming. Like most areas of the Sierra

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Madre, production and transport of marijuana and opium poppy forms an important but unquantified part of the local economy. Organized crime cartels operate with impunity in the region, and illicit activities have occasionally adversely affected exploration in the region and operation at the nearby Mulatos and La India gold mines. An adequate supply of labor for mining operations can be drawn from the region.

The nearest international airport is located at Hermosillo. An unpaved airstrip for light aircraft exists at the Mulatos mine. A paved airstrip without services at Yecora is suitable for light aircraft.

The Federally owned and operated electric transmission grid extends as far as Yecora.

6 HISTORY

6.1 Prior Ownership

The mining concessions comprising the Santa Daniela project were staked to private persons and subsequently transferred to Mexican corporations and ultimately to Paika, as described in Section 4.3 of this report.

6.2 Prior Exploration

In 2011-12 JLL Grupo Mulatos de Sonora conducted rock chip sampling at the Maíz Azul area and other areas were reviewed at a reconnaissance level of investigation. From 2013 to 2019 exploration was conducted by Altos Hornos de Mexico S.A. (AHMSA), though a joint venture with JLL. AHMSA's exploration continued until 2019. Exploration conducted by Ranchero is discussed in Section 9 of this report.

6.2.1 Altos Hornos de México S.A de C.V – JLL Joint Venture.

In 2013 JLL formed a joint venture with Altos Hornos de Mexico S.A. (AHMSA) which continued until 2019. As operator of the project AHMSA conducted geophysical surveys and diamond drilling programs. The work completed by AHMSA is incompletely documented, but some assay certificates, geophysical survey reports, and the entirety of the drill core have been preserved. The description of AHMSA's historical exploration activities presented in this report is not definitive but serves to provide a general overview of AHMSA's work. Ranchero reports that during 2018 and 2019, when the joint venture ended, the partners had spent US\$ 1.3 million on exploration as summarized in Table 6-1.

Activity	2018	2019				
Drilling	\$764,537	\$302,397				
Camp Operation	\$46,390	\$9,350				
Geology	\$7,215	\$189,661				
Total	\$818,142	\$501,407				

Table 6-1	Historic	exploration	expenditures.
	111310110	exploration	experiorului es.

Grand Total \$1,319,549

6.2.1.1 Rock Chip Sampling

AHMSA conducted rock chip sampling at the Maiz Azul target and identified gold anomalous volcanic rocks in outcrops along the Arroyo Maiz Azul and its tributaries (Figure 6-1).



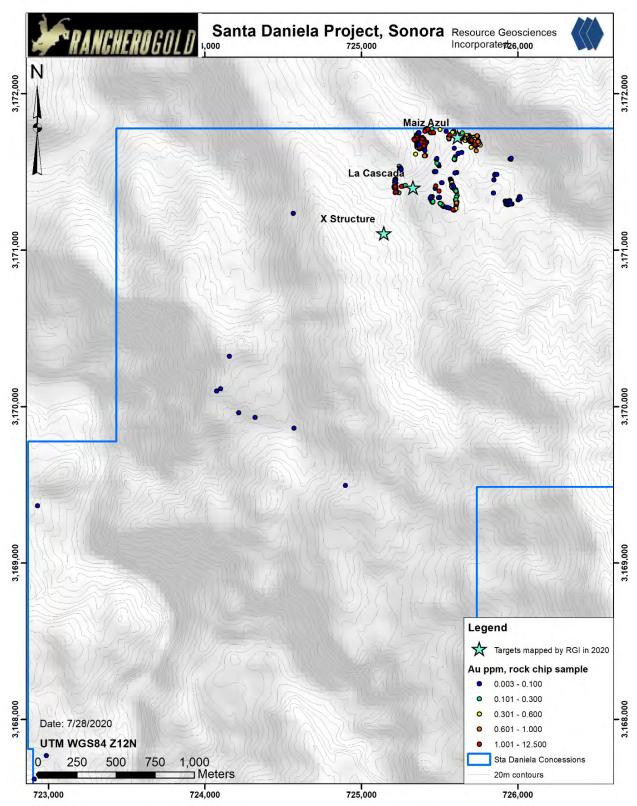


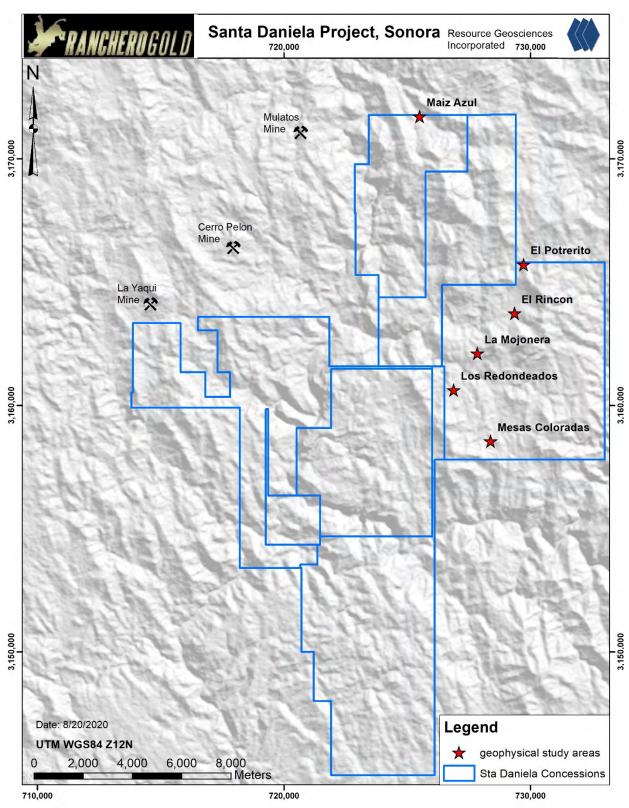
Figure 6-1. Historical (pre-2020) rock chip gold sampling results, plotted on shaded topographic base, 20m contour interval.

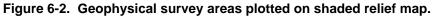


6.2.1.2 Geophysical Surveys

AHMSA recognized that much of the concession was covered by unmineralized Oligocene ignimbrites that may conceal mineralized zones in the underlying Eocene volcanic rocks. To explore beneath the barren volcanic cover, AHMSA selected areas for controlled source audio-frequency magnetic tellurics (CSAMT) surveys. Areas selected were based on review of public domain magnetic surveys where: AHMSA interpreted proximity to concealed intrusives; Oligocene volcanic cover was interpreted to be relatively thin; and it seems most importantly, where roads provided ready access to the area (Lopez, 2017). A total of 17,000 linear meters of CSAMT surveys were conducted in 5 areas (Figure 6-2):

- 1. Maiz Azul, 2 lines, 4150m
- 2. El Rincon, 5 lines, 5650m
- 3. El Potrerito, 1 line, 1100m
- 4. La Mojonera, 2 lines, 3300m
- 5. Los Redondeados, 2 lines, 2800m







Results of the CSAMT surveys were similar in all areas surveyed in that resistive units at depth (500m or more below surface) were interpreted as possible felsic intrusions and near surface zones of lower resistivity were interpreted as possible zones of hydrothermal alteration (Minera del Norte, 2018). None of the areas of interpreted hydrothermal alteration were tested by drilling. At El Rincon, the CSAMT survey was conducted after drilling was completed, as an opportunistic use of the crew and equipment while they were on standby waiting for access permits into other target areas.

An Induced Polarization (IP) survey comprising 2 lines and 2700 linear meters was completed at Mesas Coloradas (Lopez, 2017), however documentation of the survey and results are not available for review, but the drilling at Mesa Coloradas was reportedly designed to test resistivity anomalies, presumably defined by the IP survey, at depths of 300m and greater, beneath a veneer of unmineralized Oligocene volcanic strata (Lopez, 2017).

A ground magnetometry survey was completed at Maiz Azul, after completion of the drill program (Figure 6-3).

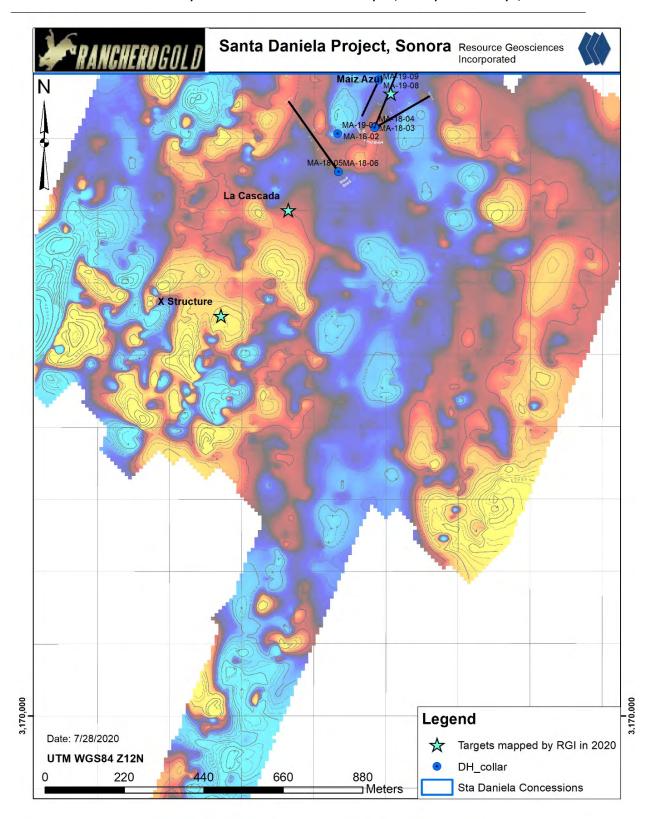


Figure 6-3. Ground magnetic survey total magnetic intensity, reduced to pole.

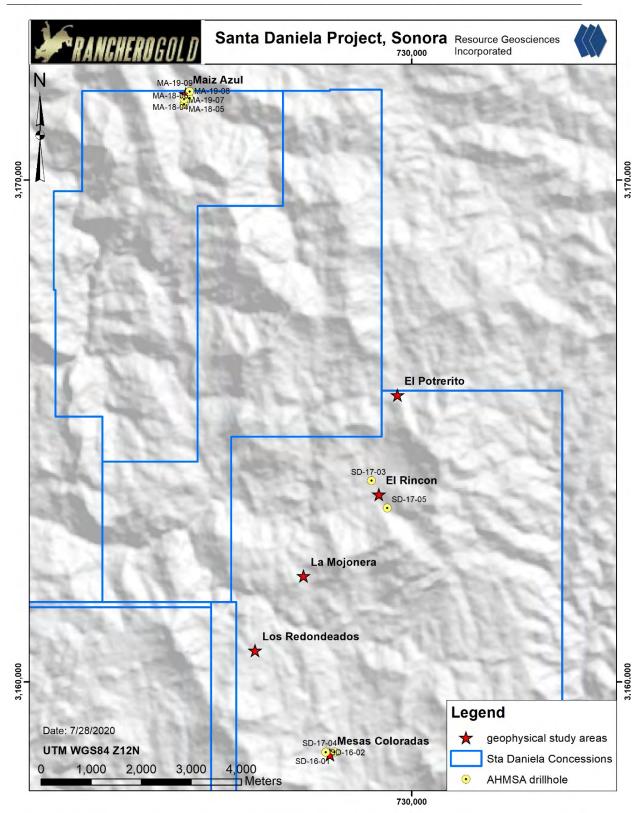
6.2.1.3 Diamond Core Drilling

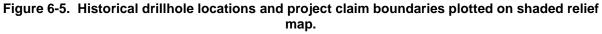
AHMSA conducted drilling in 2016 at Mesas Coloradas, in 2017 at Mesas Coloradas and El Rincon, and in 2018 and 2019 at Maiz Azul, as summarized in Table 6-2. A total of 3,380.05 m of HQ diameter diamond core drilling was reported. No assay certificates for samples from the 2016 and 2017 drilling were in the project archive, but Excel tables indicate that portions of the 2016 drillholes at Mesa Coloradas were assayed, seemingly by an in-house analytical laboratory of AHMSA. Drillcore from the AHMSA program is well preserved and stored at Paika's Yecora field office (Figure 6-4). Logs for the AHMSA drilling are in the project archive, and for this study the Maiz Azul drillholes were re-logged, as described in Section 9 of this report. Locations of historical drillholes and the project claim boundaries are summarized in Figure 6-5. A detailed map of the Maiz Azul drillholes and the project archive is presented as Figure 6-6.

Drillhole ID	Area	UTM Easting WGS94	UTM Northing WGS84	Elevation masl	Azimuth	Dip	Total Depth m	Assay Certificate	Lab
SD-16-01	Mesa Colorada	728290.845	3158592.536	1575.500	267.686	-50	500.75	no	AHMSA?
SD-16-02	Mesa Colorada	728291.750	3158592.558	1575.447	267.686	-75	300.2	no	AHMSA?
SD-17-03	El Rincon	729200.604	3164006.654	1503.707	0	-90	214.25	no assa	ys in data set
SD-17-04	Mesa Colorada	728466.699	3158599.826	1572.967	270	-50	273.3	no assa	ys in data set
SD-17-05	El Rincon	729515.779	3163459.880	1600.199	0	-50	177.9	no assa	ys in data set
MA-18-01	Maiz Azul	725570.114	3171629.522	1277.659	60	-55	300.15	yes	ALS
MA-18-02	Maiz Azul	725569.628	3171629.239	1277.623	60	-66	222.20	yes	ALS
MA-18-03	Maiz Azul	725568.343	3171629.849	1277.535	22	-50	250.60	yes	ALS
MA-18-04	Maiz Azul	725568.027	3171628.652	1277.521	0	-90	405.65	no	ALS
MA-18-05	Maiz Azul	725468.005	3171506.701	1304.703	324.6259	-55	414.80	yes	ALS
MA-18-06	Maiz Azul	725468.311	3171506.270	1304.773	324.6259	-65	320.25	no	ALS
MA-19-07	Maiz Azul	725,466.00	3,171,612.00	1,263	0	-90	183.00	no	ALS
MA-19-08	Maiz Azul	725,580.00	3,171,761.00	1,213	0	-90	183.00	no	ALS
MA-19-09	Maiz Azul	725,579.00	3,171,760.00	1,214	205	-50	167.75	no	ALS

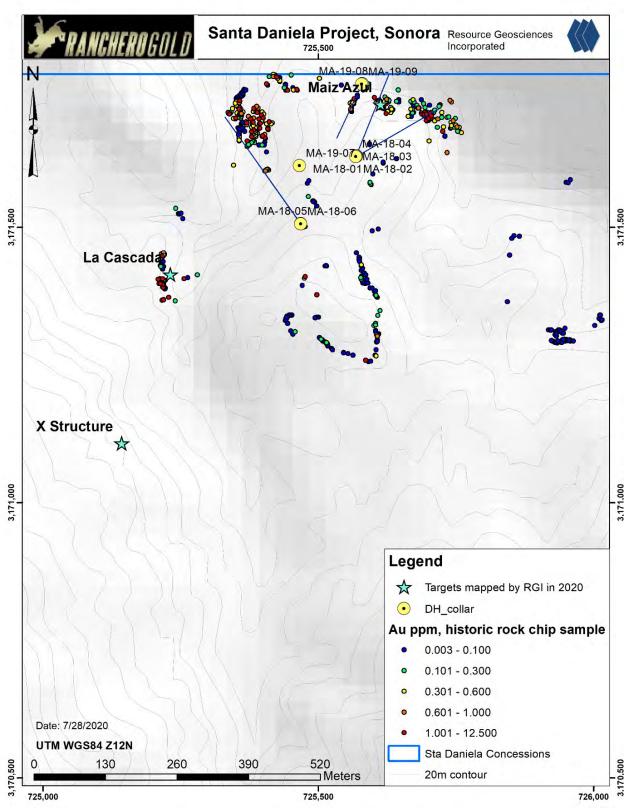


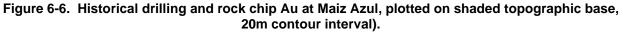
Figure 6-4. RGI Geologist Rodolfo Sauceda examining AHMSA drill core, Paika's Yecora field office.





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The rationale for drillsite and drillhole orientation selection is not documented in the historic reports, but it appears that drillholes MA-18-01 through 04 and MA-18-08 and 09 were drilled to test the rock chip gold anomaly defined by outcrop sampling along the Arroyo Maiz Azul. Drillholes MA-18-08 and 09 were collared in the footwall of the mineralized structural zone thus had zero possibilities of intersecting the zone. Holes MA-18-01 through 04 were collared in the hangingwall and all intersected the zone.

Drillholes MA-18-05 and 06 appear to have been drilled to test a rock chip assay gold anomaly, at lower elevation and west of their collars, but the orientation of this zone is undetermined and structures mapped on surface dip west, thus holes 05 and 06 may have drilled the footwall of the outcropping zone. The target tested by drillhole MH-18-07, a vertical hole drilled between rock chip gold anomalies, is unknown.

Locked pdf file assay certificates from ALS were available for some of the Maiz Azul drillholes and Excel files with assay data were available for all. Excel files with AHMSA logos containing assay data were available for 2 of the Mesas Coloradas drillholes. Sampling of drill core was not continuous and in many cases drill core intervals that returned anomalous gold assays are "orphan intercepts" with drill core above and below the mineralized interval unsampled. Using this incomplete information, a table of significant intercepts above a 0.25 gpt Au cutoff for the historical drilling was compiled. Results are summarized as Table 6-3 and are presented for historical context. If a 0.1 gpt Au cutoff and minimum composite assay is considered, and a maximum of 1m of continuous internal interval below cutoff is allowed, an intercept of 37m @ 1.56 gpt Au was returned from drillhole MA-18-03 from 71.90 to 108.90m. The drillhole cut the interpreted mineralized zone orthogonally and the true width is interpreted to be approximately 37m. The author has no reason to doubt the validity of the reported historic results, but not all drill collars can be field verified, downhole survey data reported for drillholes is ambiguous, and in some cases self-contradictory, and the details of the drilling program are not documented. The QA QC protocols, drilling techniques, and sampling methods used by AHMSA in their diamond drill programs are not documented and are unknown to the author. The 2016 through 2019 drillhole results are historical in nature, have not been verified by the author, and should not be relied upon. Melior is not treating the historical drillhole data as current data, however the author has no reason to doubt the validity of the reported historic results, and the author considers them adequate for the purposes of this report, including the data validation recommended in Section 26 of this report.

Drillhole	From m	To m	Length	Au ppm	Ag ppm	
MA-18-01	114.35	120.05	5.70	1.64	2.11	
MA-18-02	115.55	120.65	5.10	0.75	1.62	
MA-18-02	121.70	128.90	7.20	0.47	1.51	
MA-18-03	84.00	88.05	4.05	0.75	1.44	
MA-18-03	97.30	108.90	11.60	4.23	9.37	
MA-18-04	116.70	120.80	4.10	1.24	0.99	
MA-18-04	217.15	221.15	4.00	0.32	2.23	

Table 6-3	Historical	drillhole	intercepts*.
1 abie 0-5.	Instanca	unninge	intercepts.

*Intercepts reported according to the following criteria: Minimum composite length 3m; minimum composite grade 0.25 gpt Au; cutoff grade for composite interval 0.25 gpt Au; allowable internal waste below cutoff grade, 1m maximum.

6.3 Historical Metallurgical Studies

Neither Melior, Ranchero, nor RGI or Dr. Gray have conducted metallurgical studies of Santa Daniela mineralization.

6.4 Historical Resource Estimates

There are no known no recorded Mineral Resource estimates for the property.

6.5 Prior Production

There has been no recorded mineral production from the property.

7 GEOLOGICAL SETTING

7.1 Regional Geology

The Santa Daniela project lies within the Sierra Madre Occidental (SMO) province, a regionally extensive Tertiary volcanic field which extends southeast from the United States-Mexico border to central Mexico. The total thickness of the volcanic sequence is approximately 2km, and it rests upon Mesozoic clastic and calcareous sedimentary rock. The volcanic field is comprised of two distinct volcanic sequences, an older and esitic and dacitic series, and a younger, pyroclastic dominated rhyolitic series. The traditional nomenclature refers to these as the Serie Volcanica Inferior (Lower Series) and Serie Volcanica Superior (Upper Series). The Lower Series is approximately 1km thick and is dominated by Paleocene and Eocene andesitic lavas and pyroclastic deposits, with interbedded volcaniclastic strata. Silicic volcanic units are present but are a minor component. The volcanic strata of the Lower Series are cut by calc-alkaline intrusives. The Upper Series unconformably overlies the Lower Series with erosional disconformity and comprises a 1km thick sequence dominated by Oligocene and early-Miocene dacitic and rhyolitic pyroclastic strata and volcaniclastic strata. Most significant metal occurrences in the SMO are hosted by rocks of the Lower Series or the underlying Mesozoic strata.

The Santa Daniela project lies within the western limits of the SMO in an area dominated by outcrops of andesitic to dacitic tuffs that were intruded by granodiorite and diorite stocks, and overlain by rhyolitic tuffs, basaltic-andesite lavas, and basin-filling late conglomerates (Figure 7-1). These rocks lie within a northwest-trending zone of Miocene extension that disrupted the regional stratigraphy along N-NW striking normal faults causing large-scale rotation of blocks with predominantly east-northeast inclinations (Servicio Geologico Mexicano, 2000). Incised fluvial canyons have cut the uppermost strata and expose the Lower Series volcanic strata.

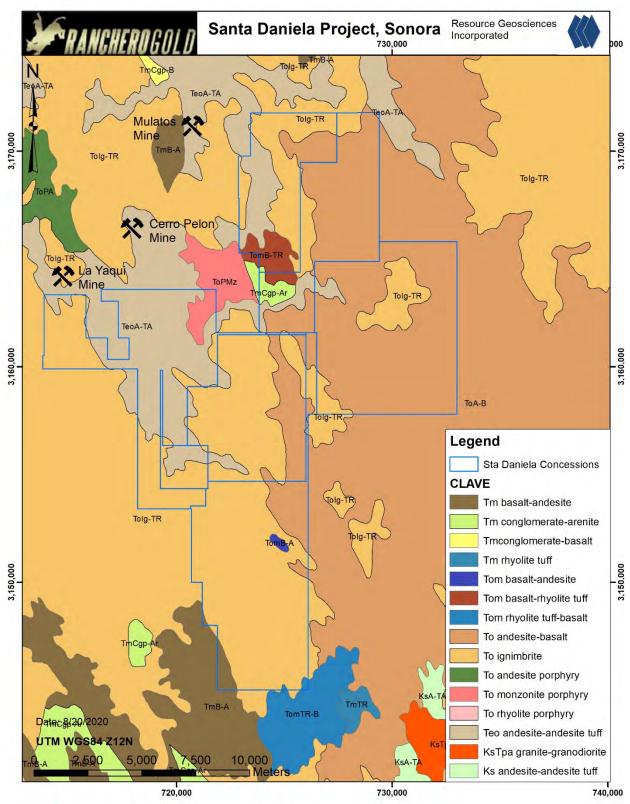


Figure 7-1. Regional geologic map (Servicio Geologico Mexicano, 2000).

7.2 Local Geology

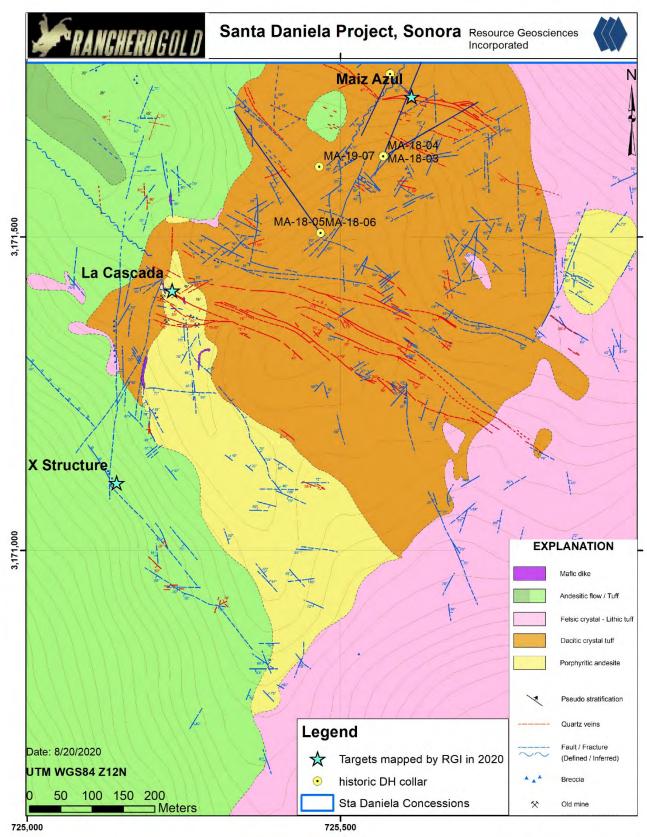
7.2.1 <u>General Geology</u>

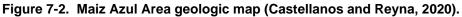
The Santa Daniela project area is underlain by the Lower Series volcanic sequence comprised of Paleocene andesitic and dacitic volcanic rocks interbedded with epiclastic rocks of similar composition, capped by Upper Series Oligocene ignimbrites.

Detailed mapping has been conducted only in the Maiz Azul area (Figure 7-2). Mapping was completed in the first semester of 2020 by Resource Geosciences Inc., led by Senior Geologist Mario Castellanos. The geologic descriptions in this section are based upon this mapping and observations of outcrop and drillcore made by the author. The dominant Lower Series rock units are crystal tuffs, ash fall tuffs, andesitic flows, andesitic porphyry, and mafic dikes. All these rocks show characteristics of alteration indicating that they are pre-mineral rocks.

7.2.2 Maiz Azul Area Lithology Descriptions

The description of Maiz Azul area rock types is based upon mapping conducted by Resource Geosciences de Mexico SA de CV (Castellanos, 2020) (Castellanos and Reyna, 2020). Lithologies mapped are herein described.





7.2.2.1 Mafic Dikes

Dark green, fine matrix, porphyritic texture defined by plagioclase phenocrysts up to 0.5 cm long (Figure 7-3), moderately to strongly magnetic. Dikes are narrow, generally less than 1 meter thick, usually localized by N-S faults.



Figure 7-3. Hand samples of mafic dikes.

7.2.2.2 Andesitic Tuff

This unit crops out throughout the northern and western part of the area (Figure 7-2). Generally a fine grained rock with fine grained matrix hosting plagioclase and hornblende crystals, often with layering or pseudo stratification in thin layers, generally less than 10 cm (Figure 7-4). Locally a compact massive rock. In the northwest portion of the mapped area andesitic flows with abundant vesicles were mapped and included in the same map unit. Color varies from reddish brown to purple. This unit is weakly magnetic and is the stratigraphically highest unit mapped. It is up to 200 meters thick and discordantly overlies felsic tuff.



Figure 7-4. Stratified andesitic tuff outcrop.

7.2.2.3 Felsic Tuff

This unit is present throughout the mapped area and covers much of the eastern and southern areas (Figure 7-2). In the northern and western areas it is present as small outcrops of less than 5m thickness, contrasting to thicknesses of greater than 100m in the south. The variation in thickness is intepreted to be due to erosion.

In the upper part it is a lapilli tuff that grades to a lithic crystal tuff at the base of the unit, containing crystals of plagioclase and quartz in a fine grained matrix of ash. The lithic fragments are mostly angular and comprised of felsic tuff or quartz dacite. In general the rock is white to locally reddish beige due to the presence of hematite (Figure 7-5).

The felsic tuff overlies the quartz dacite tuff in a transitional contact.



Figure 7-5. Hand samples of rhyolitic tuff. Note pen barrel for scale.

7.2.2.4 Quartz Dacite Tuff

Composed of fine grained lapilli (ash) matrix with abundant crystals of plagioclase, biotite, hornblende, quartz, and specularite. Includes horizons with sub-rounded lithic fragments of the same composition. Layering or pseudo-stratification strikes northwest and dips moderately (< 20°) to the southwest. Color varies from purple - light reddish in fresh rock to light gray, green and yellow-reddish depending on the type and intensity of alteration and weathering (Figure 7-6).



Figure 7-6. Hand samples of quartz dacite tuff. Note pen barrel for scale.

Crops out as an elliptical window in the central part of the mapped area (Figure 7-2), with a thickness of 140 meters as measured between the Arroyo de Maíz Azul (1220 masl) and Cerro de la Antena (1360 masl). In the west center corner of the mapped area the quartz dacite tuff is in discordant contact with andesitic porphyry.

The mineralization at Maiz Azul is hosted dominantly by this unit.

7.2.2.5 Porphyritic Andesite

Sub-volcanic rock that underlies and/or intrudes the quartz dacite tuff. Crops out in the central western part and the southeastern corner of the mapped area (Figure 7-2). Porphyritic texture defined by phenocrystals of plagioclase, hornblende, and biotite. Hosts veinlets of specularite without quartz or with only traces of quartz. Color varies from brown green to dark gray (Figure 7-7). Unit is moderately to strongly magnetic. Unit is in discordant contact with other map units, this contact often at high angle orientation, suggestive of a vertical intrusive contact.

The northern part of the La Cascada structure is hosted by this unit.



Figure 7-7. Hand samples of porphyritic andesite. Note pen for scale.

7.2.3 Maiz Azul Area Structure

Three structural sets were mapped (Figure 7-2):

1. Northwest Regional System. Locally with strike orientation NA285 to 310, vertical to southwest dips. This system is associated with mapped alteration zones and quartz vein zones in the Maiz Azul area, and structures of similar orientation are associated with the nearby Mulatos and La India mines, particularly where intersected by other structures.

2. Northeast System, striking NA040 to 060, dipping 60 to 90 degrees to the northwest or southeast. These structures cut and slightly displace the northwest structures. Streams aligned with these structures are developed at lithologic contacts.

3. North-Northeast System. These structures strike north-northeast and are vertical to steeply east dipping and were mapped in the area of La Cascada. The surface expression is subtle, as fractures and discontinuous failure planes, however this structural orientation may be an important control of hydrothermal fluid flow. The fracture zone defines a more or less continuous zone with long dimension greater than one hundred meters, with discontinuous but correlated narrow (<1 m) outcrops of hydrothermal breccia. Some quartz veins with gold and copper in the La Cascada prospect have this orientation. An alteration mineral study of clays show that the clays collected from this zone are kaolinite and illite of relatively higher temperature relative to other clays analyzed in the area (Querol, 2020).

With the exception of the southeastern extension of the Maiz Azul structure that ends more or less abruptly in the Arroyo Maiz Azul, the other structures mapped appear to be more or less continuous, with only some short lateral displacements observed where NA 030 to 060 striking faults cut and slightly displace the NA285 striking structures, which otherwise appear to be continuous without major complications.



7.2.4 Maiz Azul Area Mineralized Zones

Three structurally controlled mineralized zones were identified in the mapped area, described as follows:

7.2.4.1 Maiz Azul Zone

Structural zone hosted by quartz dacite tuff, striking NA280 to 290, dipping 20 to 40 degrees to the southwest. Observed continuously over 350m of strike length and an altered width, defined by silica and clay alteration, up to 75m wide. Historic drillhole intercepts indicate a down dip extent of at least 150m. Independent samples of outcrop exposures of the Maiz Azul zone, collected by the author as part of the study documented in this report, returned 0.224 to 6.27 gpt Au. The structure was densely surface sampled by prior operators and partially drill tested. The northern projection of the zone extends off the concession onto claims controlled by Alamos Gold, however the drillhole data indicated continuity of the mineralized zone to the south and at depth. The mineralized zone crops out in the Maiz Azul arroyo at 1230 to 1255 masl and was intersected in drillholes at elevations between 1160 and 1220 masl, indicating a moderate angle orientation, possibly listric, to a tabular mineralized zone (Figure 7-8, Figure 7-9, Figure 7-10).

Drillhole MA-18-02 also hit a historically reported high grade intercept (2.1m @ 9.2 gpt Au) at 1110 masl, below the tabular shallow dipping mineralized zone. The deeper intercept is dissimilar to the outcropping manto zone of mineralization. It is associated with quartz sulfide microstringers at 40 to 60 degrees to the core axis suggesting a high angle mineralized structure of undetermined strike (Figure 7-10, Figure 7-11).





Figure 7-8. Silicified veined and brecciated zone exposed along Arroyo Maiz Azul. View looking northwest. Mineralized zone dips gently to the southwest.

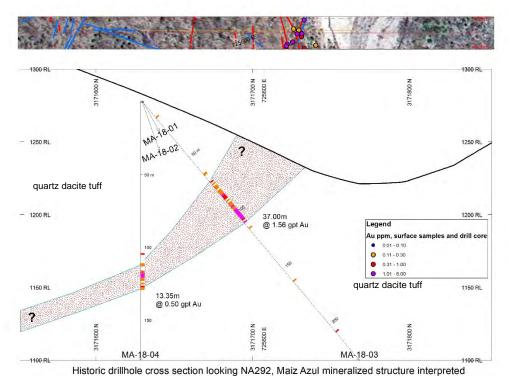
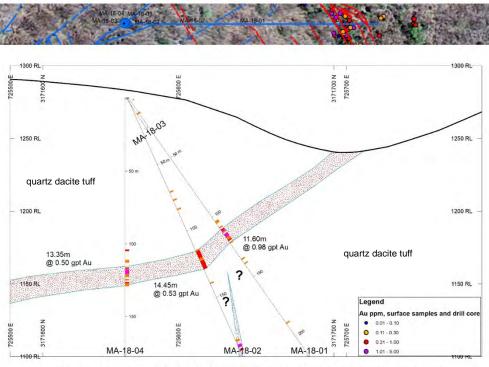


Figure 7-9. Cross section through Maiz Azul mineralized structure, looking NA292, showing historic drillhole and rock chip assays.



Historic drillhole cross section looking NA330, Maiz Azul mineralized structure interpreted

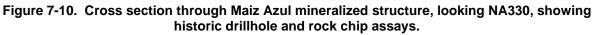




Figure 7-11. Mineralized intercept in MA18-02, below the gently dipping tabular Maiz Azul mineralized zone. Solid yellow lines denote interval 185.6 to 187.7m with composite intercept of 2.1m @ 9.2 gpt Au. Individual sample interval assays shown in figure. Dashed line is 186.6m. Downhole depth increases left to right, going down.

7.2.4.2 La Cascada Zone

Mineralized structural zone striking NA285 – 300, dipping vertical to steeply southwest, exposed semi-continuously for 650m of strike length with an altered width of up to 100m as defined by silica, clay, and propylitic alteration. Depth extent is undetermined. Within the altered zone, quartz veins up to 1 m wide are present as are quartz veinlet stockworks and brecciated zones (Figure 7-12). The La Cascada zone is hosted by quartz dacite tuff and porphyritic andesite. Rock chip sampling by prior operators reported anomalous gold assays from portions of the zone as summarized in Figure 6-6. It outcrops at approximately 1270 masl. The zone has been partially sampled at surface but has not been drill tested. Because of its broad dimensions and rock chip gold assays, the La Cascada zone is considered by the author to be the most significant exploration target thus far identified in the Maiz Azul area.



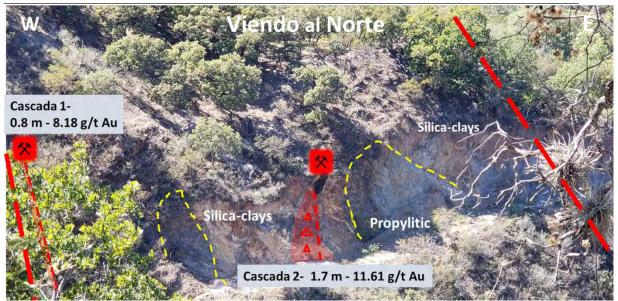


Figure 7-12. View looking north at arroyo exposure of the La Cascada zone. Small exploration adits Cascada 1 and Cascada 2 are developed on veined breccia zones, contained within a broader silica-clay and argillicly altered zone. Historic sampling of the zone returned high grade (>8 gpt Au) results from the breccia and vein zones, and highly anomalous gold contents in the altered wallrock.

7.2.4.3 X Structure

NA290 striking, vertical to 80° southwest dipping structure semi-continuously exposed for 350m of strike, that correlates with a zone of alteration defined by quartz veinlet swarms, (Figure 7-13) and projects to a silica-clay alteration zone mapped on a road cut 200m further to the south (Figure 7-14). The northern exposure of the X Structure is expressed as an approximately 10m high scarp associated with a 10m wide zone of quartz veining. The depth extent of the zone is unknown. Host rock is andesitic tuff. Crops out at elevation of approximately 1400 masl. This structure has not been previously mapped, described, nor sampled.



Figure 7-13. Quartz veinlets in a zone of silica-clay alteration in porphyritic andesite along the trace of the X Structure



Figure 7-14. Southern projection of X Structure exposed as zone of silica-clay alteration of porphyritic andesite with stockwork fractures with Fe-oxide.

7.2.5 Maiz Azul Area Alteration

Hydrothermal alteration was identified in the mapped area, in a northwest elongate zone with dimensions of 1.0×0.8 km. Within this zone, alteration is fault and fracture controlled, with central zones of silica and clay alteration flanked by propylitically altered zones, and further outboard, by zones of less intense clay and calcite alteration (Figure 7-15).

The alteration mapped is typical of low sulfidation epithermal systems and includes: chalcedonic silica in irregular veins; banded crystalline quartz veins; remnants of silica caps; hypogene specularite veinlets; and illitic and smectitic argillic alteration. All the aforementioned are variably associated with quartz vein stockworks and hydrothermal breccias. Outcrop exposures are consistent with the higher levels of a low sulfidation epithermal system thus potential for mineralization at depth is indicated.

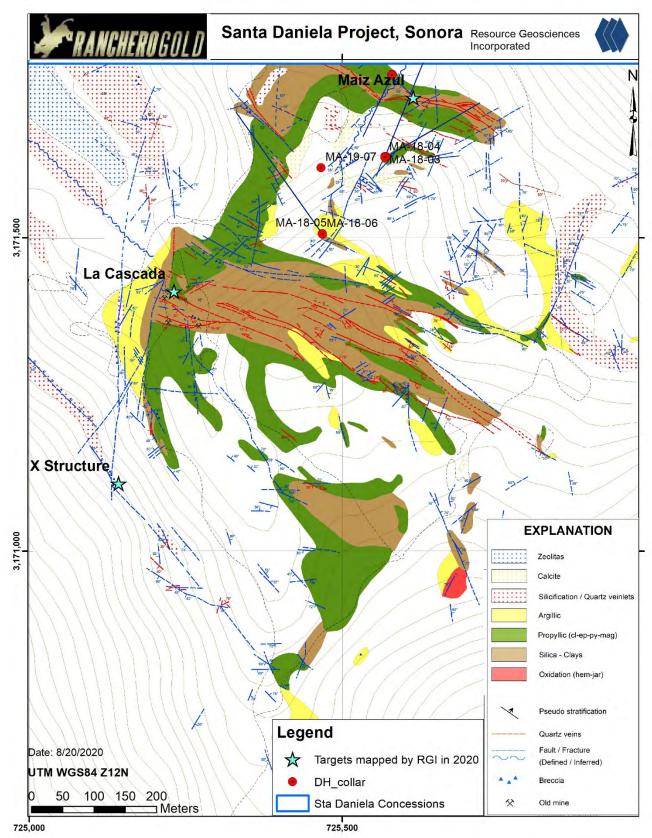


Figure 7-15. Hydrothermal alteration map, Maiz Azul area (Castellanos and Reyna, 2020).

Alteration zones mapped are:

7.2.5.1 Argillic

Forms the outermost halo to mineralized structures and is typically proximal to propylitic zones. Characterized by textural destruction and pervasive clay replacement of the rock. Original colors lost and rock converted to greyish white color. Argillic zones commonly host calcite veinlets. Most intensely developed in the La Cascada area with dimensions of up to 200 x 50m.

7.2.5.2 Propylitic

Forms a well-developed halo to structures hosted by quartz dacite tuff and porphyritic andesite. Imparts green hue to rock due to presence of chlorite. Hosts occasional veinlets of epidote-calcite. Well-developed and exposed in the western part of the La Cascada area with variable intensity over areas as great as 600 x 100 m. May host chalcedonic quartz veinlets less than 5 cm wide.

7.2.5.3 Silica – Clay

Normally haloed by propylitic alteration and best developed in the quartz dacite tuff. Consists of alteration developed directly along northwest striking structures, manifested by bleached variably silicified rock, with pale green and white sericitic minerals. Spectral studies identified illites and smectites as the principal clay minerals (Querol, 2020). Hosts veins and veinlets of quartz \pm pyrite \pm specularite, jarositic where weathered. Veins are typically 0.1 to 20 cm wide, but at La Cascada individual veins are as much as 1 m wide. Silica-clay alteration zones are continuous over hundreds of meters along strike of structures.

7.2.6 Maiz Azul Area Vein Types

Three distinct vein events are recognized in the Maiz Azul area. All are quartz or silica dominated but exhibit differences in texture and association with mineralization. In interpreted order of formation the vein sets are:

7.2.6.1 Early stage chalcedonic quartz veins

Banded chalcedonic quartz, white to reddish color, as irregular veinlets typically less than 5cm wide, or as chalcedonic patches within the northwest striking structural zones, typically within the silica-clay alteration zone but also observed in propylitic zones. Historic sampling of these veins did not yield anomalous gold contents and they are considered sterile.

7.2.6.2 Banded white quartz veins

Banded white quartz crystalline quartz veins and lenses, with multi-stage veining textures (Gray, 2020) occurring as druses, open space filling veins, breccia veins, and stockworks (Figure 7-16, Figure 7-17, Figure 7-18, Figure 7-19, Figure 7-20, Figure 7-21, Figure 7-22). Occasionally with pyrite. Veins generally strike NA285 to 315, dipping vertically to moderately (50°) to the southwest. These veins are more or less continuous along strike over hundreds of meters. Thicknesses of individual veins varies from 10cm in the Antena area at 1370 masl to up to 1m at the La Cascada zone at 1270 masl. This vein stage is clearly associated with the gold mineralization mapped and sampled at surface and intersected in historic drilling.

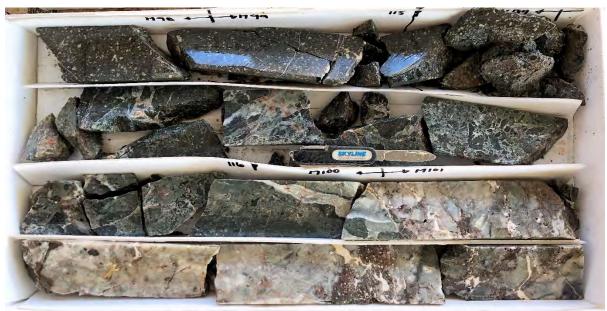


Figure 7-16 Drillcore, M18-01, ~114.5 to 117m (upper left to bottom right), quartz veined and quartz cemented breccia zone in quartz dacite tuff. Veined zone assayed 3.54, 0.60, 4.19, and 3.12 gpt Au respectively for samples MA-98 through MA-101, 114.35 to 117.0m.



Figure 7-17. Close up of multistage quartz veinlet, drillhole MA18-01, ~115.5m depth. Early stage, open space filling, white crystalline quartz at margin of veinlet, and later low temperature silica filling open space at center of veinlet. Note veinlet crosscuts zone of silica cemented breccia. Interval assayed 4.19 gpt Au.



Figure 7-18. Drillcore M18-03, knife at ~104.6m. Interval 103.80 to 104.80m assayed 3.12 gpt Au, 104.80 to 105.70m assayed 6.92 gpt Au.



Figure 7-19. Drillcore MA18-03, breccia vein zone at ~104.6m. This drill core sample assayed 3.12 gpt Au.



Figure 7-20. Drillcore MA18-03, ~105m depth, silica matrix hydrothermal breccia. Note: banded silica rim on dark silicified volcanic clast in lower left of photo; angular clasts of dense grey silica and weakly banded silica in siliceous microbreccia matrix. This interval assayed 6.92 gpt Au.



Figure 7-21. Banded silica vein fragment as breccia clast, below and right of knife blade, drillhole MA18-03, ~98m depth. Interval 98.00 to 99.05m assayed 7.7 gpt Au.



Figure 7-22. Hand specimen of quartz vein breccia zone exposed along Arroyo Maiz Azul. Note similarity to breccia seen in drillcore in Figure 7-19.

7.2.6.3 Late stage cryptocrystalline grey silica veinlets

Occur as hairline veinlets less than 1mm wide that cut silicified zones in felsic tuffs and overprint zones of silica-clay alteration associated with banded white quartz veins. Felsic tuffs in the southeast portion of the mapped area are intensely silicified with disseminated pyrite, with a semi-circular outcrop pattern suggestive of a remnant silica cap, consistent with the upper levels of a low sulfide epithermal system. This silicified zone hosts thin grey silica veinlets, possibly with alunite (could not be identified by TerraSpec analysis due to silica interference lines (Querol, 2020)). Rock chip samples collected by previous operators from this area did not yield gold anomalies but showed anomalous contents of Ba, As, and Sb. The late cryptocrystalline veinlets are considered sterile.

7.3 Oxidation

Oxidation at the Maiz Azul target was observed to range from complete oxidation in the uppermost portions of the deposit exposed in outcrop, to a generally complete lack of oxidation, with primary sulfide minerals preserved, at downhole depths of 9 to 20 meters in most drillholes. However oxidation profiles appear to extend to deeper levels along structural zones that permitted the downward percolation of meteoric waters.



7.4 Conclusions

The Maiz Azul area hosts structurally controlled low sulfidation epithermal gold mineralization. Historic surface sampling and drill core sampling indicates grades in excess of 1 gpt Au are present within the mineralized zones. Extents and morphologies of mineralized zones are not constrained by drilling or surface mapping and sampling. Alteration styles and textures observed in outcrop are consistent with those of the upper levels of epithermal mineralized systems thus there exists potential for discovery of mineralization below the mapped altered and mineralized zones.

8 DEPOSIT TYPES

At the Maiz Azul prospect, surface outcrop mapping and drillhole data indicates that the gold system there exposed is best classified as a low sulfidation epithermal gold deposit. Low sulfidation deposits may be present as veins and/or disseminated deposits and hosted by intrusive, volcanic, and sedimentary rocks. Features common to such deposits (Buchanan, 1981) (Hayba, 1985) (Heald, 1987) (Bonham, 1988) (Berger, 1989) (Albinson, 2001) include:

- Intermediate to felsic, calc-alkaline volcanic host rocks.
- Association with intrusive centers.
- Alteration mineral assemblages dominated by sericite, quartz, adularia, and chlorite.
- Variable Au:Ag ratios.
- Ore mineralogy characterized by argentite, tetrahedrite, tennantite, native silver, native gold, and base-metal sulfides.
- Vertical geochemical zoning, with well-defined upper and lower elevation limits to economic mineralization, over vertical ranges of 200 to 700m.
- Open space filling vein textures.
- Quartz and carbonate gangue minerals.
- Ore and gangue mineral textures indicative of low temperature environments.

Because of its location within the Mulatos Mining District, which in 2019 had three operating mines exploiting high sulfidation (HS) gold deposits (Agnico Eagle Mines Ltd., 2020) (Alamos Gold Incorporated, 2020), as described in Section 23 of this report, the Santa Daniela project is prospective for discovery of volcanic hosted, epithermal, high sulfidation gold-silver deposits. Such deposits may be present as veins and/or disseminated deposits. Some of the most intensely studied and described HS deposits include Summitville, Colorado (Stoffregen, 1987) (Gray, J.E., and Coolbaugh, M.F., 1994), Goldfield, Nevada (Ransome, 1909) (Ashley, 1974) (Vikre, 1989), Lepanto, Philippines (Hedenquist, 1998) and Julcani, Peru (Petersen, 1977) (Deen, 1994). Based upon these studies and others, excellent compilations of general characteristics and genetic and empirical models have been presented by (Hayba, 1985), (Heald, 1987), (Berger, 1989) and (Arribas, 1995). General characteristics of HS deposits include:

- Located within plutonic-volcanic arcs.
- Associated with intermediate calc-alkaline rocks, often in dome complexes.
- Alteration mineral assemblages indicative of high temperature acidic hydrothermal fluids, including an advanced argillic assemblage characterized by one or more of pyrophyllite, alunite, dickite, kaolinite, and diaspore.
- Silicification and acid leaching of principal hydrothermal fluid conduits (forming the clichéd "vuggy silica" alteration).
- Presence of minerals indicative of high sulfidation states, principally the sulfosalt enargite or its low temperature polymorph luzonite.
- Economically important quantities of Au and/or Ag and/or Cu.

 Alteration zoning typified by a central zone of silica alteration flanked by a zone of advanced argillic alteration, which in turn is surrounded by illite dominated argillic alteration.

Genetic models proposed for HS systems call upon shallow emplacement of an oxidized calc-alkaline magma. As the magma crystallizes, a metal- and volatile-rich fluid phase exsolves, and at relatively low confining pressures will separate into a low salinity vapor and a hypersaline liquid. The vapor phase ascends and when absorbed into connate or meteoric waters, forms a high temperature, sulfate-rich, acidic hydrothermal fluid. As this hydrothermal fluid ascends and cools, acidity progressively increases, resulting in a vertical zonation where advanced argillic assemblages overly illite-dominated argillic assemblages. Neutralization and cooling of the fluid during lateral fluid flow repeats this zoning pattern, with proximal silicified and leached zones flanked first by advanced argillic alteration, and then by more distal illite dominated alteration. As the hydrothermal system evolves, younger, more reduced hydrothermal fluids, probably generated by interactions between ascending hypersaline magmatic fluid and meteoric water dominated convection cells, then transport and deposit metals (Au-Ag-Cu) along the same conduits utilized previously. Metals may be sourced directly from the magmatic fluids or leached from country rocks.

9 EXPLORATION

9.1 General

Ranchero has conducted due diligence field reviews of the Santa Daniela project comprised of rock chip sampling but has not conducted detailed exploration at the project beyond the reconnaissance work described in this report. In the period January to August 2020 Ranchero reported expenditures of \$458,161 USD at the project, including costs for geologic mapping, thematic mapping, geochemical reconnaissance surveys, and establishment of field camps,. Historic exploration by prior operators is summarized in Item 6 of this report. Work completed by Ranchero, or for the benefit of Ranchero, is summarized herein.

9.2 Geologic Mapping

In 2020 Ranchero hired Resource Geosciences Incorporated and its sister company Resource Geosciences de Mexico SA de CV to create a detailed geologic map of the Maiz Azul area and complete a rock alteration study using a TerraSpec portable mineral analyzer. Additionally all core from the Maiz Azul target was relogged and alteration assemblages in drill core samples was studied using VNIR-SWIR spectroscopy using TerraSpec equipment. This work forms the basis for the geologic information presented in Section 7.2 of this report.

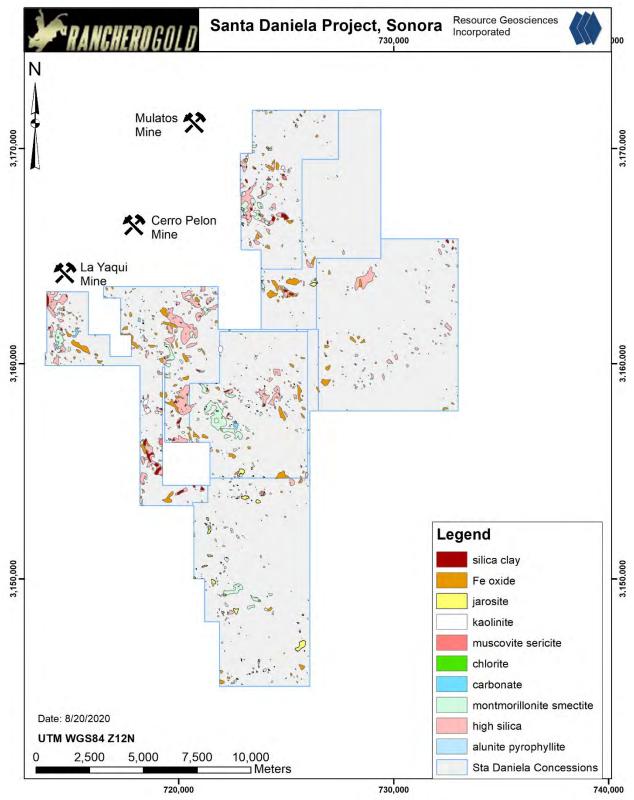
9.3 Thematic Mapping

In February 2020 Ranchero contracted Perry Remote Sensing Services (Perry) of Denver, Colorado to conduct alteration mineral analysis using ASTER/LandSat data (Figure 9-1). This survey was conducted over the entire concession area.

Perry obtained an archived Landsat 5 scene, Path34 Row40, acquired May 3, 2004, from the USGS EROS Data Center in Sioux Falls, SD. Landsat 5 provides 30-meter spatial resolution. Perry then obtained an ASTER scene from the EROS Data Center which was acquired 8 days after the Landsat-5 scene on May 11, 2004. The same area for processing was subset from the ASTER data and co-registered to fit the Landsat subset. Landsat VNIR bands were combined with ASTER SWIR bands, rectified to UTM 12 North, WGS84 map base and combined to form a "hybrid" data set, offering an improved total of 10 bands for spectral analysis. The hybrid data set was atmospherically corrected and prepared for mineral modeling. Several local alteration sites were known within the processed scene plus including the known alteration styles at the adjacent Mulatos and El Victor Au deposits. Image classification was applied to evaluate suspected argillic, advanced argillic, sericitic, and propylitic alteration minerals, as found in the Mulatos district. Each alteration mineral model was provided as a separate vector polygon shpfile.

Results delivered included a DEM, regional structural analysis, and identification of various alteration assemblages potentially related to mineralization (Perry, 2020). A

program of follow-up field visits by Ranchero has begun as of the effective date of this report.





9.4 Rock Chip Sampling

Geologists under contract to Ranchero's subsidiary Paika conducted rock chip sampling in areas that had not been historically sampled. As of the effective date of this report 163 samples had been collected and analyzed. Anomalous gold assays were returned from sampling of veined and silicified zones, consistent with the results reported from sampling programs conducted by prior operator AHMSA. Results for gold analyses of the samples are shown in Figure 9-2.

Sampling was widely spaced and reconnaissance in nature, consisting of site specific grab samples, representative chip samples over 1 to 3 m lengths, and very few true channel samples over 1 to 2 m lengths. The sampling density is insufficient to indicate true widths or representative gold contents of the sampled areas, however the data is valid and useful for identifying areas favorable for hosting gold mineralization that merit more detailed evaluation.



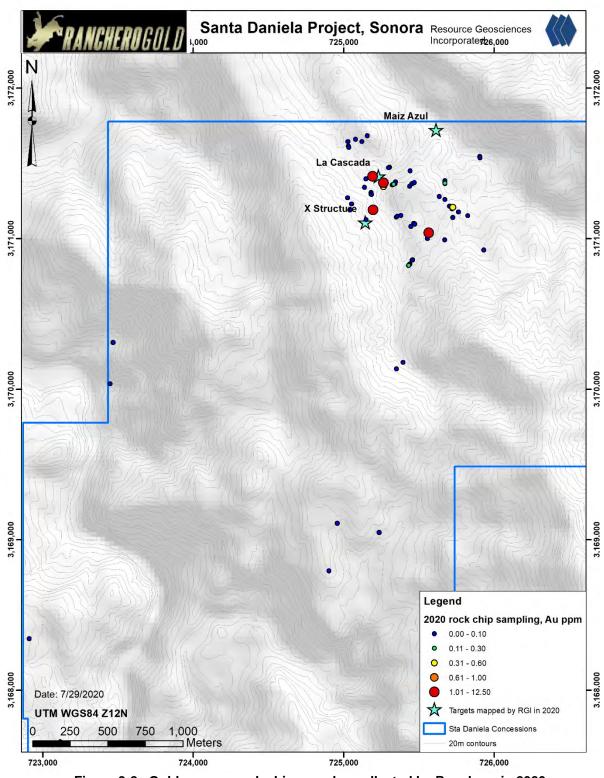


Figure 9-2. Gold assays, rock chip samples collected by Ranchero in 2020.



10 DRILLING

10.1 Drilling History

No drilling has been conducted on the property by Melior. Prior operator AHMSA conducted drill campaigns at the project as described in Section 6.2 of this report.

11 SAMPLING METHOD AND APPROACH

11.1 Sampling Field Methods

Contract geologists working for Ranchero's subsidiary Paika conducted follow up visits to gold mineralized areas identified during previous historic sampling programs. Additional samples were collected to obtain rock chip geochemical information for areas outside of the previously sampled zones. Locations were marked on the ground and recorded with GPS. Samples were collected manually, described tagged and bagged and then sent for analysis by ALS Chemex, an independent internationally certified laboratory. A total of 163 samples were collected. Control samples comprising ~6% of total samples consisting of 5 blank samples and 5 reference standards were inserted into the sample stream. Samples were kept in the possession of Paika until delivered to ALS Chemex in Hermosillo.

11.2 Analytical Methods

Rock chip samples were submitted to an ALS Chemex preparation facility in Hermosillo, Sonora, and pulps then sent to an ALS laboratory in Vancouver for analysis. ALS Chemex is independent of Melior and Ranchero and is an internationally recognized provider of analytical services to the mining and exploration industries. ALS Chemex internal audits meet all requirements of ISO/IEC 17025:2017 and ISO 9001:2015. All ALS Geochemistry hub laboratories are accredited to ISO/IEC 17025:2017 for specific analytical procedures (ALS, 2020).

Upon receipt at the sample preparation lab the samples were dried, crushed in their entirety to >70% passing a 2mm screen. The crushed material was riffle split to extract an approximate 250-gram sub-sample that was pulverized to >85% passing 75 microns in a disc pulveriser. This sample preparation procedure is the standard ALS Chemex "CRU-31, SPL-21, PREP-31" procedure. Analysis of gold was by standard fire assay using the "Au-AA23" method of ALS Chemex, in which prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead. The bead is digested in dilute nitric acid and concentrated hydrochloric acid and analyzed by atomic absorption spectroscopy. Samples that yield greater than 10 gpt Au upper limit are re-analyzed using a gravimetric finish. Multielement assays were by ALS Chemex method ME-ICP41 which assays for 35 elements by aqua-regia acid digestion and ICP-AES.

11.3 Results of Security, Quality Control Procedures and Adequacy of Results

Chain of possession security methods were adequate to ensure that persons not a part of Ranchero or Paika did not have access to the samples up to the point that they were delivered to the laboratory. Control sample data points are too few to allow for meaningful evaluation of results but no analytical problems were indicated by the results. The reconnaissance rock chip sample results are adequate to confirm the gold mineralized



zones identified by previous operators of the project and to identify areas that merit detailed geologic mapping and systematic geochemical sampling.

12 DATA VERIFICATION

Melior has not yet commenced an exploration program at the project, thus there is no current data to be verified.

Dr. Gray examined historic rock chip sample and drill core sample assay data, as well as historic geophysical reports and maps. Dr. Gray observed archived drill core and drill logs during the site visit and is of the opinion that the drill core obtained is representative of the areas drilled. Dr. Gray observed drill roads and drill pads in the project area, and evidence of outcrop sampling, that are consistent with the historic drill programs and sampling programs described for the project. The QA/QC and data verification procedures used during the historic drilling and rock chip sampling programs are undocumented. Dr. Gray did not have access to original assay certificates or drillhole survey data, nor was Dr. Gray able to collect and analyze duplicate samples of drill core thus Dr. Gray is not able to verify the drillhole assay data generated by prior operators of the Santa Daniela project, however Dr. Gray has no reason to believe the historical data is less than valid and representative.

Dr. Gray collected rock chip samples from surface outcrop exposures of the Maiz Azul zone, summarized as shown in Table 12-1. Independent sampling is insufficient to validate the historic rock chip sample assay database, but results were consistent with historically reported results. Silicified and quartz veined zones returned anomalous gold contents as presented in Table 12-1. Complete assay results and sample photos are included as Appendix 6.

Sample	UTM E WGS84			Au	Ag
ID	Z12N	UTM N	Description	ppm	ppm
			silicified porphyritic dacite, dense porcelainous silica		
SD-1	725702	3171707	cut by cryptocrystalline and fine drusy quartz veinlets	6.27	10.6
			multistage quartz veined rhyolitic tuff (?). White		
			porcelainous silica, in places brecciated with red		
			hematitic silicified matrix. Veinlets irregular -		
SD-2	725731	3171694	tectonized? Latest veinlets are drusy	0.226	1.8
			silicified and quartz veined rhyolitic tuff just above		
			NA330 25SW contact with underlying weakly argillized		
SD-3	725730	3171707	dacite	0.994	2.2
			footwall to sample SD-3, weakly argillized feldspar		
SD-4	725730	3171707	porphyritic dacite porphyry	<0.005	<0.2

Table 12-1. Rock chip sample assay results, independent samples, M Gray.



Neither the historic drillhole database nor the historic rock chip assay database has been verified by the author. The drillhole and rock chip assay databases are not considered current, but based on the work reviewed, it is Dr. Gray's opinion that the historical drillhole and outcrop assay data and information disclosed in this report is valid and adequate in providing a basis for further work, which includes the data verification described in Section 26 of this report.

13 MINERAL PROCESSING AND METALLURGICAL TESTING

No metallurgical or mineral processing studies have been conducted.

14 MINERAL RESOURCE ESTIMATES

The Santa Daniela project does not host a current Mineral Resource.



23 ADJACENT PROPERTIES

The Santa Daniela project concession holdings are contiguous with the mineral concessions of Alamos Gold Inc. The Maiz Azul prospect is 4.5km east of the Mulatos Mine open pit, 13km northeast of the La Yaqui gold project, and 9km northeast of the Cerro Pelon mine (Figure 4-1). Alamos Gold Inc. is currently operating the Mulatos and Cerro Pelon Mines, and developing a new mine at La Yaqui. In 2019, the Mulatos Mine complex inclusive of Cerro Pelon produced 142,000 oz gold and at year end the Mulatos pit had reported Proven and Probable Mining Reserves of 0.675M oz gold in 19.337K tonnes of material with a grade of 1.09 gpt Au, and the Cerro Pelon pit had a reported Proven and Probable Mining Reserve of 0.164M oz gold in 2.630K tonnes of material with a grade of 1.94 gpt Au (Alamos Gold Incorporated, 2020). The La Yaqui project has a reported Proven and Probable Mining Reserve of 0.724M oz gold in 19.205K tonnes of material with a grade of 1.17 gpt Au (Alamos Gold Incorporated, 2020).

The Maiz Azul prospect is 20km E-SE from the La India gold mine (Figure 4-1), currently being operated by Agnico Eagle Mines Ltd. In 2019 the La India mine produced 82,190 oz gold and at year end had reported Proven and Probable Mining Reserves of 490,000 oz Au in 20.432K tonnes of material with a grade of 0.75 gpt Au (Agnico Eagle Mines Ltd., 2020)

The Mulatos, Cerro Pelon, La Yaqui and La India mines exploit high sulfidation epithermal gold deposits.

Dr. Gray has not verified this information and the mineralization described for the mines and mineral deposits in this section is not necessarily indicative of the mineralization at the Santa Daniela, Sonora property.



24 OTHER RELEVANT DATA AND INFORMATION

To the best of the author's knowledge, all relevant data has been presented in this report.

25 INTERPRETATION AND CONCLUSIONS

25.1 Geologic Interpretation

The Maiz Azul area, the only portion of the Santa Daniela project thus far evaluated by Resource Geosciences Inc., hosts three outcropping structures prospective for hosting low sulfidation, epithermal gold mineralization: 1) Maiz Azul; 2) La Cascada; and 3) X Structure (Figure 25-1). Only the Maiz Azul zone has been the subject of historical drill testing. Historical outcrop sampling has partially tested the La Cascada zone. The X structure has not been sampled. Neither the historical drillhole database nor the historical rock chip assay database has been verified by the author. The drillhole and rock chip assay databases are not considered current, but based on the work reviewed, it is the author's opinion that the historical drillhole and outcrop assay data disclosed in this report is valid and adequate in providing a basis for further work, which includes the verification studies described in Section 26 of this report.

Historical results from drill tests of the Maiz Azul structure returned potentially significant gold intercepts, as summarized in Section 6.2 of this report, and although the **drillhole data is historical in nature and is not considered current**, it, and the author's own independent sampling, demonstrates that Santa Daniela has potential to host a gold deposit of significance, associated with structurally controlled vein and breccia zones hosted by Tertiary volcanic strata.

Observations made during mapping in 2020 suggest that the mineralized occurrences at Maiz Azul and La Cascada, and the weakly altered zone mapped as X Structure, are high level manifestations of epithermal mineralization. Historic outcrop and drill sampling of the Maiz Azul demonstrated that it is gold mineralized. At Cerro Nopalera, at an elevation of 1340 masl, the northwestern projection of the Maiz Azul mineralized zone is manifested as a zone of quartz veinlets in andesitic volcanics, suggesting that at the higher levels, the intensely mineralized Maiz Azul zone grades into a zone of quartz veinlets. A similar relationship was observed at La Cascada, where the mineralized zone is expressed as a zone of quartz veining and brecciation in the La Cascada arroyo at elevation 1280 masl, however at Cerro La Antena along the projection of the zone to the southeast, the zone is expressed as a more subtle zone of quartz veinlets in andesitic volcanics at an elevation of 1360 masl (Figure 25-2). The X Structure is a zone of quartz veinlets and argillic alteration similar to that seen above the Maiz Azul and La Cascada mineralized zones.

Of potentially greater significance than the Maiz Azul zone is the La Cascada zone. Historic surface sampling data indicates gold concentrations similar to those in surface exposures of the Maiz Azul structure, but the mapping conducted as part of the study for this report indicates that the strike and width of the La Cascada alteration zone, approximately 700 x 100m, exceeds that of the Maiz Azul zone, and the La Cascada target merits detailed evaluation.

The X Structure presents a speculative target. Hydrothermal alteration consistent with the upper levels of an epithermal system was mapped on surface, at elevations 130 to



150m higher than those of the Maiz Azul and La Cascada zones and is permissive of mineralized portions of the structure lying at shallow depths below surface.

The Maiz Azul structure is a moderately dipping, possibly listric structure, whereas the La Cascada and X Structures appear to be high angle structures that are projected to intersect the Maiz Azul Zone at depth. The projected intersection of mineralized structures is a permissive target for hosting significant mineralization.

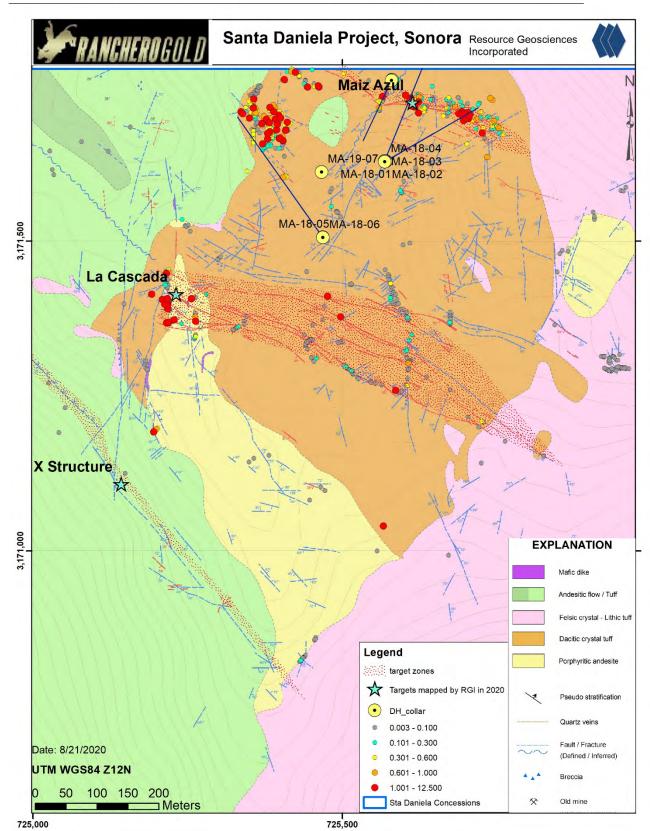


Figure 25-1. Maiz Azul area geology, historical rock chip gold assay data, and historical drillhole locations.



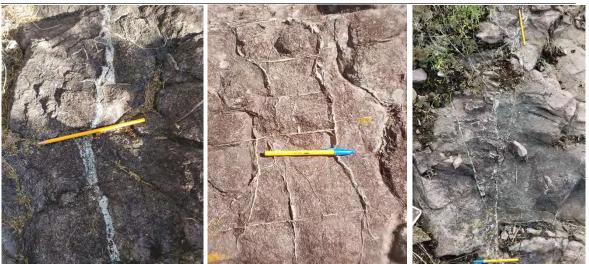


Figure 25-2. Left to right, high level exposures of Maiz Azul mineralized zone, La Cascada mineralized zone, and X Structure zone.

25.2 **Project Opportunities**

Historical outcrop and drillcore assays and outcropping, mappable vein zones and hydrothermal alteration zones demonstrate that the Santa Daniela project is prospective for hosting a structurally controlled, low sulfidation epithermal gold deposit. High priority targets for drill testing have been identified by the historical work and recent mapping. The La Cascada and Maiz Azul zones were known from prior historical sampling, and a new target area, the X Structure, was identified during mapping in 2020. A geologically reasonable but speculative target, the structural intersection of high angle structures with the Maiz Azul structure, is proposed based upon the recent mapping. Opportunities exist to:

- 1. Confirm, by diamond core drilling, the mineralization indicated by historic drillhole intercepts reported for the Maiz Azul structural zone and demonstrate strike and dip continuity of the mineralized zone exposed in the Arroyo Maiz Azul.
- 2. Explore, by diamond core drilling, gold mineralization in the La Cascada structural zone.
- 3. Discover mineralization at depth, by diamond core drilling, along the X Structure.
- 4. Discover mineralization at the projected intersection of high angle mineralized structures with the Maiz Azul structure.
- 5. Discover new mineralized zones in areas of the concession that have not yet been mapped and evaluated. Outside of the Maiz Azul area, the concessions comprise an early stage exploration opportunity that merits

evaluation. Analogs to targets that should be sought are Maiz Azul style low sulfidation epithermal mineralization and high sulfidation mineralization similar to the La India and Mulatos gold deposits. Oligocene-Miocene ignimbritic and extrusive volcanic strata cover much of the concessions, and these areas are not considered prospective, but erosional windows exposing potentially mineralized Lower Series strata could be sought using regional stream sediment geochemical surveys. The utility of this method could be quickly demonstrated or disproven with an orientation survey over the Maiz Azul area.

25.3 Project Risks

No extraordinary risks were identified. The project is subject to normal geologic, social, and legal risks.

25.3.1 Permitting Risk

Because the Santa Daniela project is in an active mining district with a recent history of successfully permitting exploration programs and mine operations, it is presumed that additional exploration activities at Santa Daniela, and eventual production from any deposits discovered, would not be prohibited by environmental regulations. Paika currently holds a drill permit authorizing drilling from 208 drillpads in the Maiz Azul area on a 100 x 100m grid pattern, as discussed in section4.6.1 of this report.

25.3.2 Water Supply Risk

Paika has acquired industrial use water rights for project use, as detailed in Item 5.3 of this report, thus mitigating the social/political risk of obtaining water for the project.

The technical risk of developing a well field is unquantified.

25.3.3 Surface Access Risks

Paika has had an amicable relationship with Mulatos Ejido and regional stakeholders and successfully negotiated acquisition of surface rights for the most advanced target area at the Santa Daniela project, as discussed in Section 4.4 of this report. Additional surface rights would likely be required if an economic deposit were discovered and developed. In light of this history, the author does not see undue risk of community opposition to project development.

25.3.4 Metallurgical Risk

The metallurgical risk is that any mineralization discovered may not be amenable to standard gold recovery and beneficiation methods. Oxidation profiles in the district vary



from shallow to moderate, thus mineralization not exposed at surface is likely to be sulfide bearing at shallow depths with may affect amenability to standard heap-leach gold recovery.

26 RECOMMENDATIONS

A 12-month, 2 stage work plan is recommended. The first stage comprises 6 months and encompasses: validation and confirmation of the mineralization indicated by the historic rock chip and drillhole database; drill testing of the La Cascada and X Structure targets; drill testing of structural intersections along the Maiz Azul structure; and regional and geological studies to discern areas prospective for hosting geochemical mineralization (and conversely, to identify areas covered by unmineralized volcanic cover that postdates the known mineralizing events, such areas can be removed from the mineral concession holdings). A total of 3,000m of diamond core drilling is recommended for Stage 1. The second stage, lasting 6 months, which is conditional upon positive results from the first, comprises definition drilling of mineralized zones confirmed during the Stage 1 drill program and detailed geologic mapping and geochemical surveys of mineralized areas discerned during Stage 1 exploration. Exclusive of corporate costs and holding costs, the total recommended Stage 1 budget is \$1.2M USD. The conditional Stage 2 budget is \$3.2M. All Stage 2 work is contingent upon successful results from Stage 1 work. Recommended work plans and budgets are summarized in Table 26-1.

26.1 Stage 1: Data Confirmation, Drill Testing of the La Cascada and X Structure targets, Regional Geochemical and Geological Studies

26.1.1 Historic Data Validation

Historic data demonstrates that Santa Daniela has potential to host an economic gold deposit. The author has no reason to doubt the validity of the reported historic results, however, **neither the historic drillhole database nor the historic rock chip assay database has been verified by the author or Melior and are not considered current.** The proposed Stage 1 program would validate or supersede the historic data, by conducting systematic rock chip geochemical sampling of outcrop by means of high-quality channel samples, and by diamond drilling the Maiz Azul mineralized zone, testing the areas with reported historical mineralized intercepts. Sampling of drill core by previous project operators was not continuous and in many cases drill core intervals that returned anomalous gold assays are "orphan intercepts" with drill core above and below the mineralized interval unsampled. Archived drill core should be sampled to complete the gaps in downhole sampling of the drillcore.

26.1.2 Drill Testing of La Cascada, X Structure, and Structural Intersection Targets

Neither the La Cascada or X Structure have been drill tested by prior operators and both merit initial drill tests. Both appear to be high angle structures that are projected to intersect the Maiz Azul Zone at depth. The projected intersection of mineralized structures is a permissive target for hosting significant mineralization and merits drill testing.

26.1.3 Regional Exploration



Regional stream sediment geochemical surveys and reconnaissance geologic mapping are recommended in order to distinguish areas covered by post-mineral volcanics and thus low exploration potential from regions underlain by potentially mineralized volcanic strata. Following completion of the regional program, the concession holdings can be rationalized and reduced to only those areas underlain by lithologies known to be favorable mineralization hosts elsewhere in the district.

26.1.3.1 Cost

A 6 month, approximately \$1.2M USD program, exclusive of project holding costs and corporate costs, is recommended. Costs and time frame to complete the Stage 1 program are summarized in Table 26-1.

26.2 Stage 2: Definition Drilling of Stage 1 Drill Discoveries and Detailed Geologic and Geochemical Evaluation of Stage 1 Target Discoveries

Conditional upon positive results from Stage 1 work, Stage 2 work comprising definition drilling of mineralized zones confirmed during the Stage 1 drill program, and detailed geologic mapping and geochemical surveys of mineralized areas discerned during Stage 1 exploration, is recommended.

26.2.1 Resource Definition Drilling

Any drillhole confirmed zones of significant mineralization demonstrated by the Stage 1 work should be further evaluated by systematic drilling designed to provide data necessary for estimation of Mineral Resources. A total of 10,000m of drilling is proposed.

26.2.2 Evaluation of New Targets

Detailed geochemical and geological studies of mineralized areas discovered during Stage 1 exploration should be conducted with the objective of obtaining sufficient information to program drill testing of the newly discovered targets.

26.2.3 <u>Cost</u>

A 6 month, approximately \$3.21M USD program, exclusive of project holding costs and corporate costs, is recommended. Costs and time frame to complete the Stage 1 program are summarized in Table 26-1.

Table 26-1. Recommended Work Plan and Budget, Santa Daniela Project

Stage 1: Data Confirmation, Drill Testing Known Targets, Regional Evaluation

	Month	Month	
Activity or Concept	Start	End	Cost USD
Systematic surface sampling and assays			
	1	3	50,000
Regional geochemical survey and reconnaissance mapping			
	1	3	75,000
Diamond core drilling, 3,000 meters, Maiz Azul, La Cascada, X			
Structure targets. Cost of \$300 per m includes drilling, assay,	_		
earthworks, geology	3	6	900,000
			10.000
Camp (house rental, meals, janitorial, cook, etc.)	1	6	42,000
Core warehouse and logging facilities	1	6	12,000
	· ·		12,000
Vehicles	1	6	36,000
Vehicle fuel and maintenance	1	6	7,000
Travel (flights, hotels, meals)	1	6	40,000
Communication		<u>_</u>	6 000
Communication	1	6	6,000

Grand Total Stage 1 USD

\$1,168,000

Stage 2: Resource Definition Drilling of Mineralized Zones Discovered in Stage 1

Stage 2. Resource Deminion Drining of Mineralized Zolles Discove	cica in Olage	1	
Resource definition diamond core drilling, 10,000 meters. Cost of \$300 per m includes drilling, assay, earthworks, geology	7	12	3,000,000
Detailed geochemical surveys and reconnaissance mapping, targets discovered during Stage 1 exploration	7	12	75.000
	7		
Camp (house rental, meals, janitorial, cook, etc.)	/	12	42,000
Core warehouse and logging facilities	7	12	12,000
Vehicles	7	12	36,000
Vehicle fuel and maintenance	7	12	7,000
Travel (flights, hotels, meals)	7	12	40,000
Communication	7	12	6,000

Grand Total Stage 2 USD

\$3,218,000

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28 EFFECTIVE DATE AND SIGNATURE OF AUTHOR

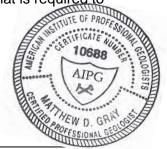
I, Matthew Dean Gray, of Rio Rico, Arizona, USA, do hereby certify that:

- This certificate is being delivered in connection with the technical report entitled "CSA NI 43-101 Technical Report on the Santa Daniela Gold Project, Municipios of Sahuaripa and Yecora, Sonora, Mexico" dated 24 August 2020 (the "Technical Report") prepared for Melior Resources Inc.
- I am employed as a geologist at Resource Geosciences Incorporated, (RGI) an independent consulting geosciences firm, whose address is 765A Dorotea Ct, Rio Rico, Arizona, 85648 USA.
- 3. I am a Certified Professional Geologist (#10688) with the American Institute of Professional Geologists since 2003 and my qualifications include experience applicable to the subject matter of this Technical Report. In particular, I am a graduate of the Colorado School of Mines (Ph.D., Geology with Minor in Mineral Economics, 1994; B.Sc., Geological Engineering, 1985) and the University of Arizona (M.Sc., Geosciences, 1988) and I have practiced my profession continuously since 1988. Most of my professional practice has focused on exploration metallic mineral deposits, the creation of resource models, and the economic development of gold and copper deposits.
- 4. I have read the definition of Qualified Person set out in National Instrument 43-101 *Standards of Disclosure for Mineral Projects* ("NI 43-101") and certify that by virtue of my education, affiliation to a professional association, and past relevant work experience, I fulfill the requirements to be a Qualified Person for the purposes of NI 43-101.
- 5. I most recently completed a personal inspection of the Santa Daniela gold project on 8 January 2020 and I am aware of no information that constitutes a material change to the scientific and technical information about the property since that personal inspection.
- 6. I am responsible for the entirety of this Technical Report.
- 7. I am independent of Melior Resources Inc. and the vendor of the property, Ranchero Gold Inc. and its subsidiary Minera and Metalurgia Paika SA de CV, as defined in Section 1.5 of NI 43-101.
- 8. I have had no prior involvement with the property that is the subject of the Technical Report.
- 9. I have read NI 43-101 and Form 43-101F1 and the Technical Report has been prepared in compliance with NI 43-101 and Form 43-101F1.
- 10. As of the effective date of the Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

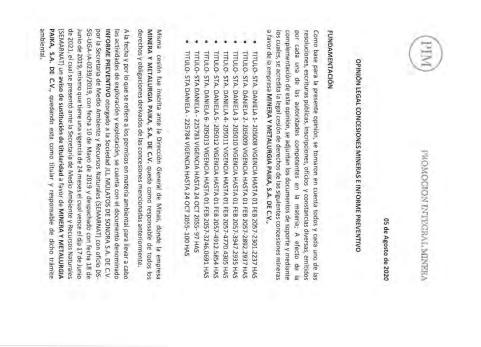
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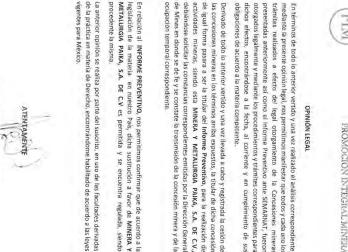
Signed and Sealed:

Matthew D Gray, CPG # 10688



Appendix 1 Legal Letters of Opinion, Mining Concession Titles, Surface Rights, Water Rights, **Environmental Permits**





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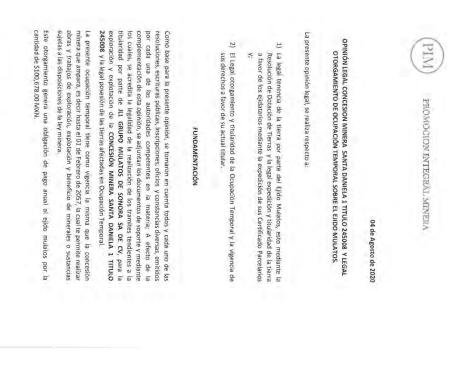
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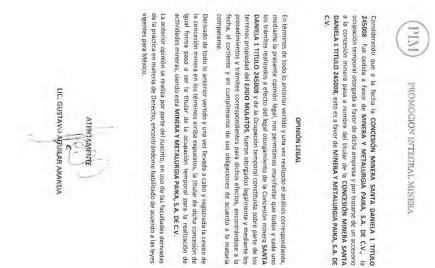
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que de acuerdo a la regulada, de MINERA Y siendo

de la práctica en materia de Derecho, encontrándome habilitado de acuerdo a las leyes las facultades derivadas

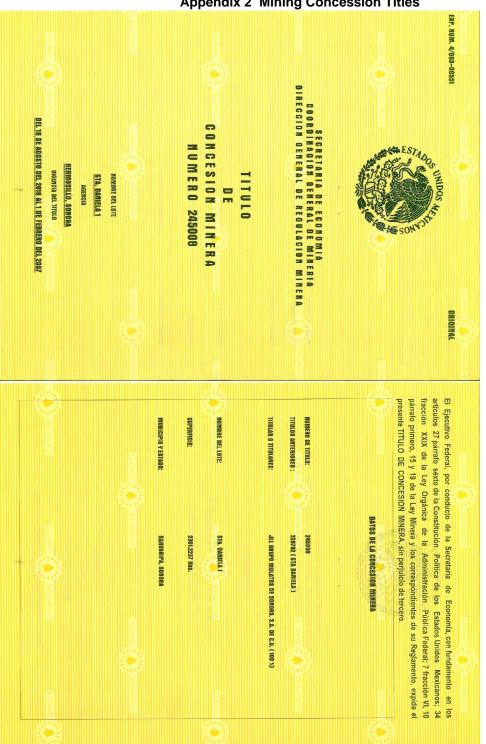
LIC. GUSTAVU AGUILAR ARANDA





de 1 de LIC. GUSTAVO AQUILAR ARANDA

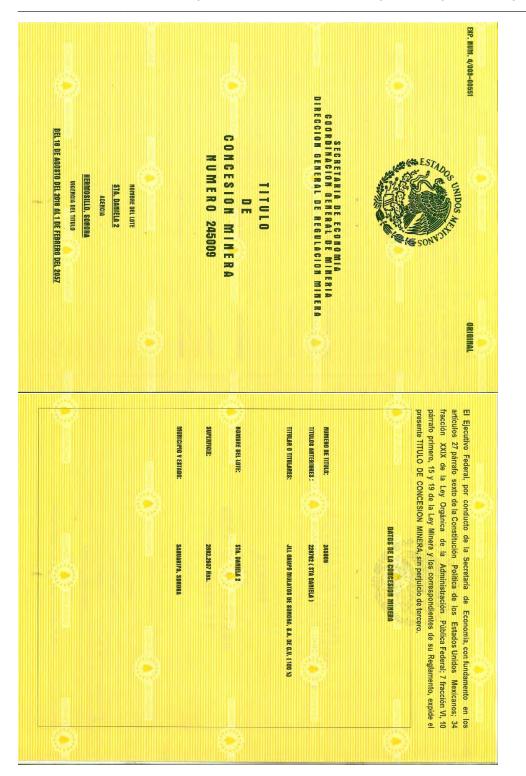
02SON152958/09FMDA18 y MINERA METALURGIA PAIKA, S.A. DE C.V. asume todas las agua donde JLL GRUPO MULATOS le cede los derechos y obligaciones del presente título a la empresa MINERA METALURGIA PAIKA, S.A. DE C.V. quedando esta última como la obligaciones a cargo como nuevo titular de la concesión definitiva y sin limitación alguna todos los derechos derivados y conferidos por COMISION NACIONAL DEL AGUA mediante título de concesión número: Por medio de ese contrato JLL Grupo Mulatos, cede y traspasa de manera irrevocable, actual titular de la concesión de agua Posteriormente el 17 de Julio de 2020 se celebró un contrato de cesión de derechos de Mulatos el 04 de Julio de 2018. La concesión emitida por la Comisión Nacional del Agua tiene un volumen de 3,000,000 metros cúbicos de tipo Subsuelo y se emitieron a nómbre de la empresa JLL Grupo INFORMACIÓN DE CONCESIÓN DE AGUA CON TITULO 0250N152958/09FMDA18 PIN PROMOCION INTEGRAL MINERA ATENTAMENTE 04 de Agosto de 2020



Appendix 2 Mining Concession Titles

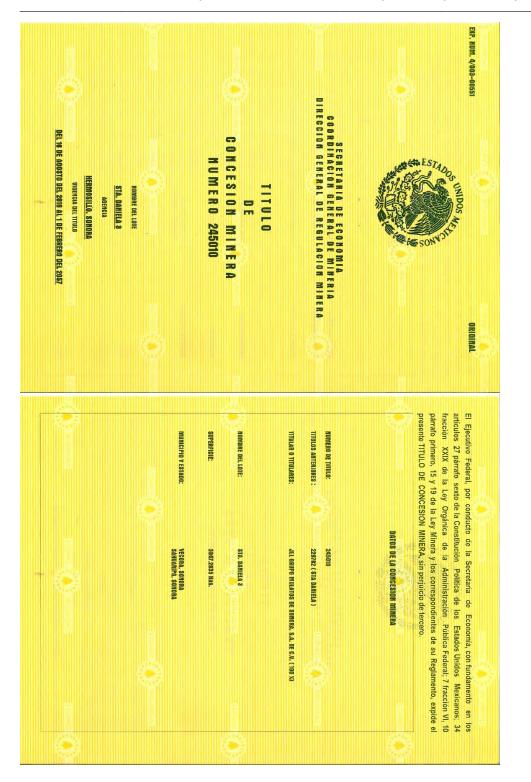


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	La Directora General de Regusión Minera La Directora General de Regusión Minera Lic. Claudia Yolanda Ibarra Palafox del Registro Publico de Mineria, en la Cludad de México, el 16 de agosto del 2016. El Subdirector del Registro Publico de Mineria Mitro. Alberto Romero Valencia	sto del 2016, con apego a lo dispuesto por etaria de Economía

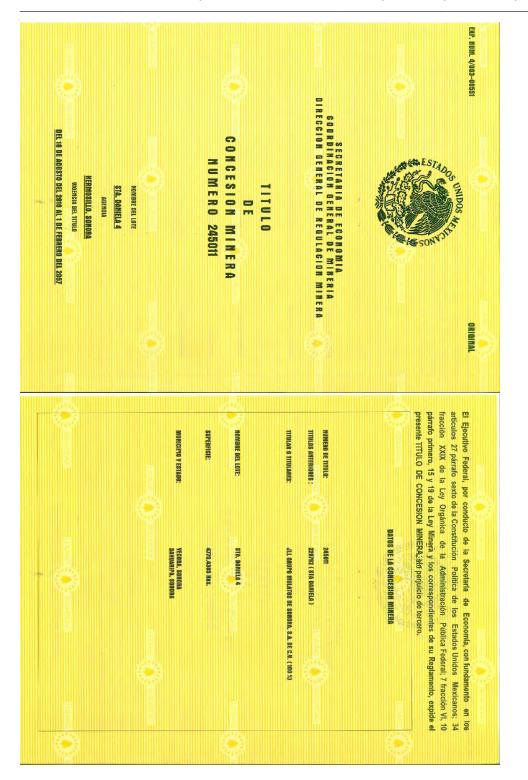




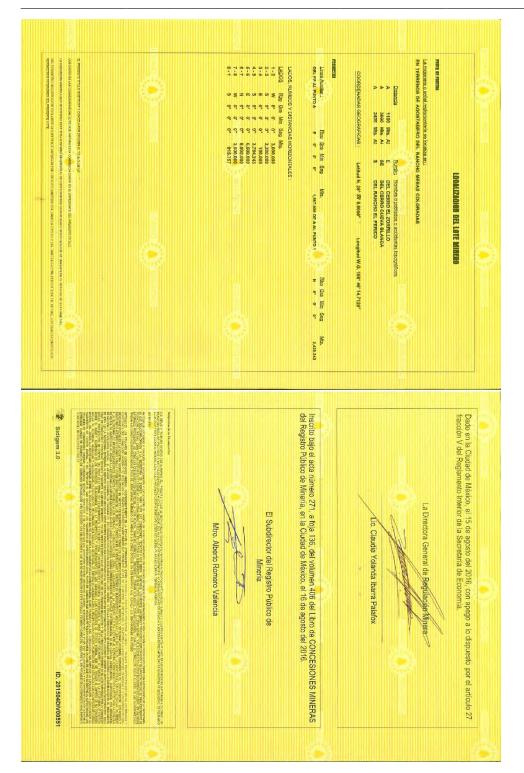
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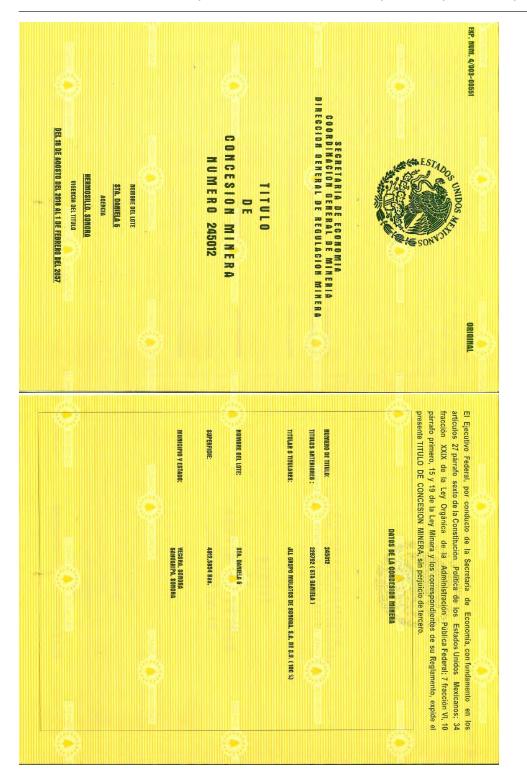


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Image: State Stat	El Subdirector del Registro Público de Minerta Miro. Alberto Romero Valencia	Inscrito bajo el acta número 270, a foja 135, del volumen 406 del Libro de CONCESIONES MINERAS del Registro Público de Mineria, en la Ciudad de México, el 16 de agosto del 2016.	Lic. Claudia Yolanda Ibarra Palafox	Dado en la Ciudad de México, el 15 de agosto del 2016, con apego a lo dispuesto por el articulo 27 fracción V del Reglamento Interior de la Secretaría de Economia. La Directora General de Regulación Minera

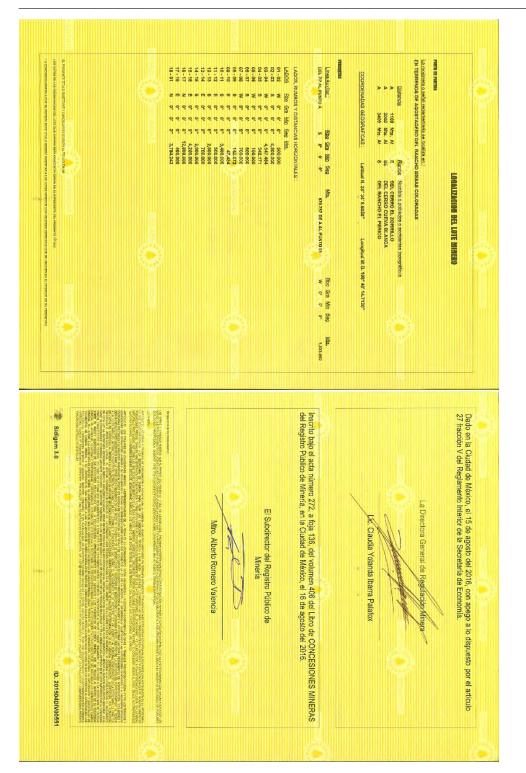


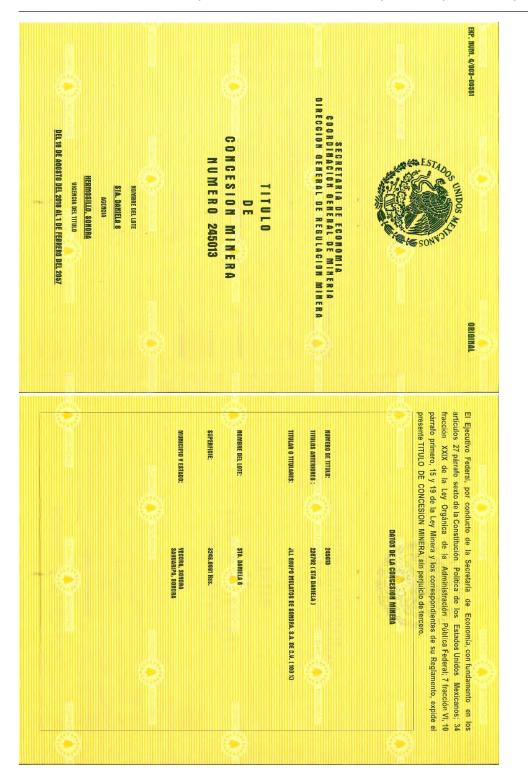






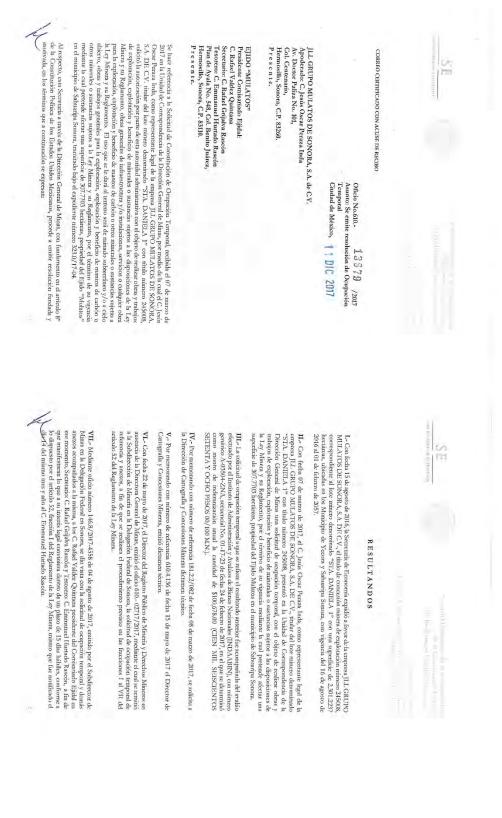




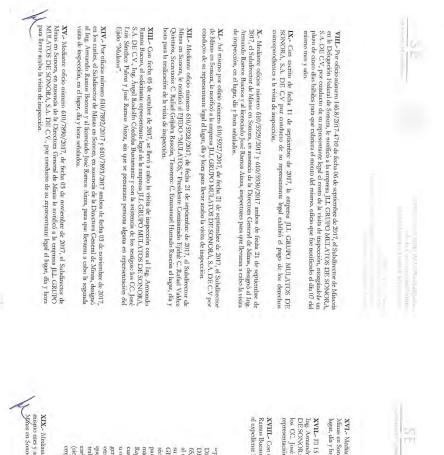




EN TER 70570 DE PARTID Linea Auxiliar.; DEL PP AL PUNTO A LACX 1-2 2-3 2-3 4-5 4-5 5-6 5-6 5-7-8 7-8 Č. 99998 GEOGRAFICAS 6 9 9 9 M 1100 3000 3400 Mrs. 999 18 s an 2 2 2 of or or Į, 5,800.000 4,547.484 1,657.829 952.616 2,742.171 1,400.000 2,460.000 00 KE Runb Latitud N. 28" 34" 8.6068" LOGALIZACION DEL LOTE IMINERO 2 Nombre o poblades o novidentes DEL CERRO EL ZORRILLO DEL CERRO CUEVA BLANCA DEL, RANCHO EL PERICO SAS COLORADAS STO.757 DE A AL PUNTO 1 Longitud W.G. 108° 40' 14,7120" W R o Gra Min o* o Sec 1,833.000 Inscrito bajo el acta número 273, a fuja 137, del volumen 406 del Libro de CONCESIONES MINERAS del Registro Publico de Minería, en la Ciudad de México, el 16 de agosto del 2016 COLOCIONO DI CIENTO DI CIENTO DI CIENTO Dado en la Cludad de México, el 15 de agosto del 2016, con apego a lo dispuesto por el artículo 27 fracción V del Reglamento Interior de la Secretaria de Economia. Sidigem 3.0 ALL REAL REAL PROPERTY OF A REAL a Directora General de El Subdirector del Registro Público de Minería Mtro. Alberto Romero Valencia Claudia Yolanda Ibarra Palafox ID. 201504DIV00551 AUTERIA DE SEGURIDADO DE ECULIE



Appendix 3 Temporary Occupation Permit, Mulatos Ejido



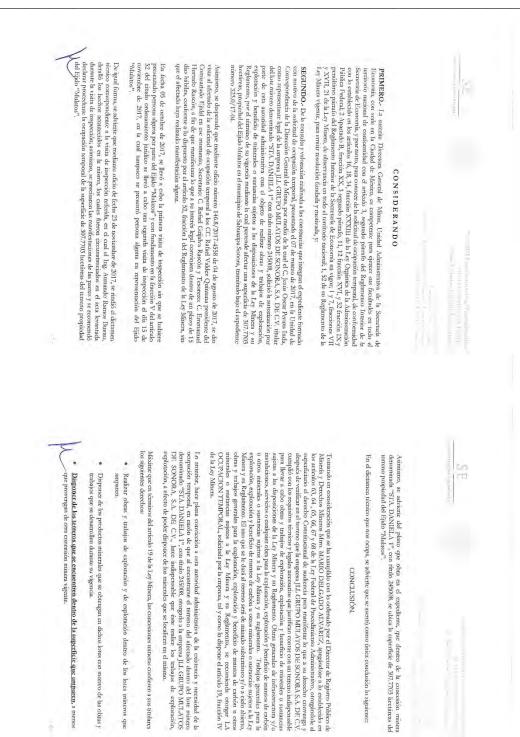
XVI-. Mediante oficio número 610/7891/2017, de fecha 03 de noviembre de 2017, el Subdirector de Minas en Sonora, en ausencia de la Dizectora Contral de Minas, le notificó al FJIDO "MULATOS," el Jugar, dia y hora para la realización de la visita de inspección.

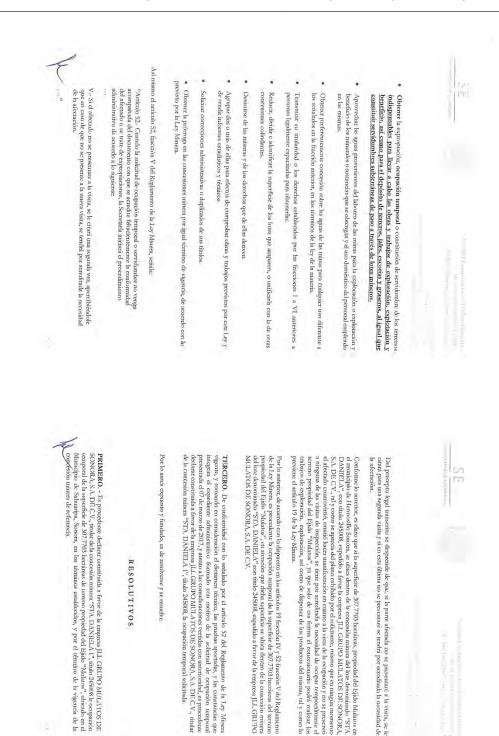
XVIL- Fi 15 de noviembre del 2017, se llevé seabo la segunda visita de inspección con la asistencia del Tag. Armando Ramos Busco, el solicitante representante legal de la empresa JLI- GRUPO MULATOS DE SONORA, SA. DEC.V., Ing. Angel Rodaño Córdoba Busumantey con la asistencia de los testigoos Dos CCO. José Lais Sinchez Palma y José Ramos Airea, sin que se presentant persona alguna en representiación del Fijdo "Mulatos".

XVIII.- Con oficio número 1468/2017-3019 de fecha 23 de noviembre de 2017, el Ingeniero Armando Ramos Baeno ristió el DICT/MEN TECNICO referente a la solicitad de ocupación temporal relativo at expediente 23:20/17.04, en el cual emitió la siguience.

CONCLUSIÓN

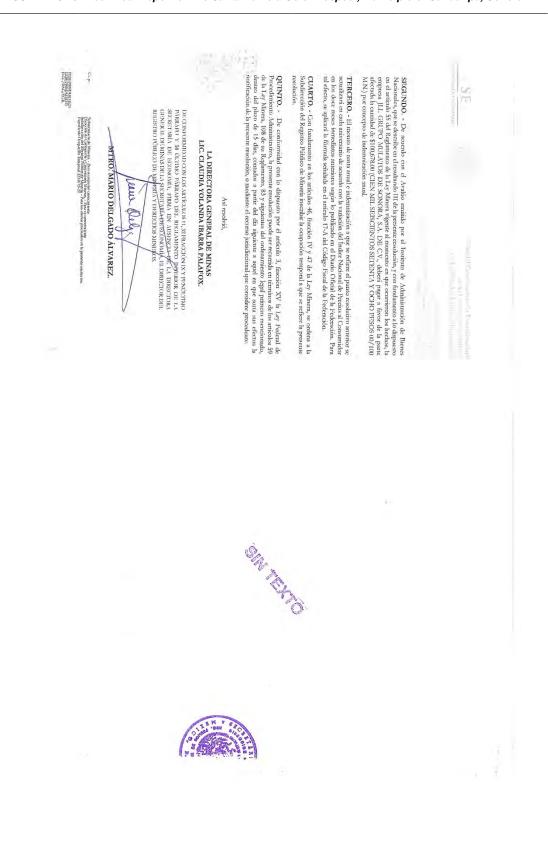
XIX-- Netainue oficio infurero 1468/2017-5020 de fecha 22 de noviembre de 2017, excitido el 28 de mispo mes y nito en la Unicida de Consespondente de la Dirección General de Minas, el Subdirector de Móns en Sonora, tendre el espediente de ocupación temporal que nos ocupa.





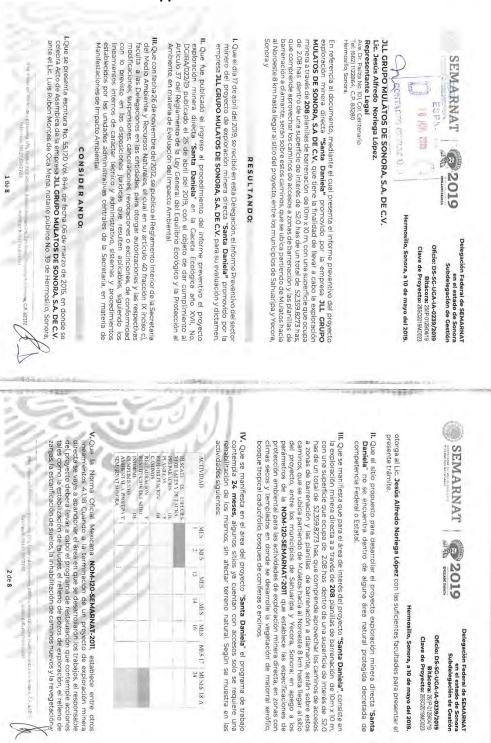
intaré a la visita, se le ditada la necesidad de

STA





C. MARIO ROBLES RIOS se identifica con credencial número L8306, expedida por la Secretaría de Economía, con una vigencia del : de enero al 31 de diciembre del 2017, documento Atendió la presente diligencia, el Lic. José Luis Garibay Castañeda, Subdirector de Derechos Mineros, legales a que haya lugar. diecisiete, se presentó en el primer piso de las oficinas que ocupa la Dirección del Registro Público de Mineris En Naucalpan de Juárez, siendo las once horas con quince minutos del día veinte de diciembre del dos mil Público de Minería y Derechos Mineros, en ausencia de la Directora General de Minas, para todos los efecte úmero 610.- 13679/2017 de fecha 11 de diciembre del 2017, con firma urreditada en el expediente en el que se actúa, a quien en este acto se le notífica y entrega el original del ofici Federal Electoral, documento que se regresa al int Tecamachalco, Naucalpan de Juárez, Código Postal 53950, en esta ciudad, el C. Mario Robles Rios, quier y Derechos Mineros en el inmueble ubicado en la Calle Puente de Tecamachalco, No. 6, Colonia Lomas de identifica con credencial de elector con fotografía número 6014012017936, expedida por el Inst caracter de pers ona autorizada para recibir y oír todo ACTA DE NOTIFICACIÓN que se le mostro al compareciente sin realizar objeció ado previa LIC, JOSE LUIS GARIBAY CASTANEDA tipo de notificaciones, personalidad que tien 00 stancia que se deja en el expediente, autógrafa del Director del Registro qui



Appendix 4 Environmental Permit Resolution

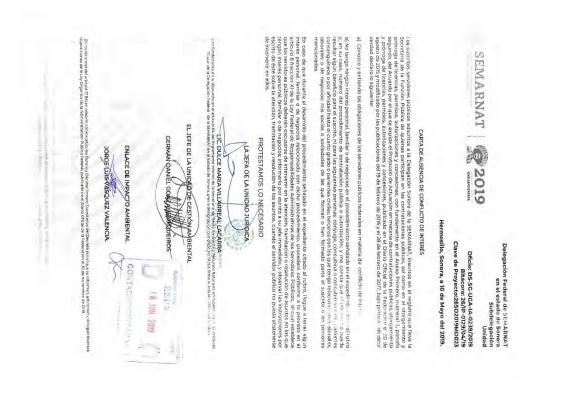


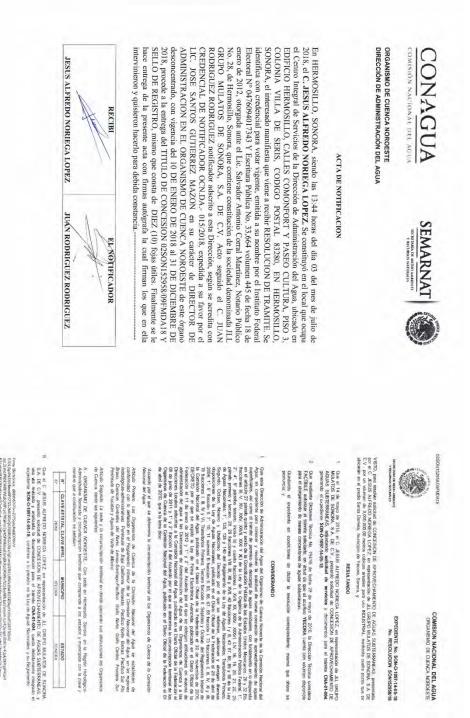
	24		publicación en el Diario Oficial de la Federación el 26 de noviembre del 2012; una vez	c), del Reglamento interior de la Secretaría de Medio Ambiente y Recursos Naturales, de la	publicado en el Diario Oficial de la Federación el 30 de mayo del 2000; 40 fracción IX incliso	II, 29,31 y 33 fracción I de su Reglamento en Materia de Evaluación del Impacto Ambiental	General del Equilibrio Ecológico y la Protección al Ambiente, 4, fracción I, 5, incisos L, fracción	Federal de Procedimiento Administrativo; 5, fracción X, 28, fracción III, 31, fracción I de la Ley	fracción XI de la Ley Orgánica de la Administración Pública Federal 16, fracción X de la Ley	8, parrafo segundo, de la Constitución Política de los Estados Unidos Mexicanos; 32 Bis,	Con base en lo expuesto en los considerandos anteriores y con fundamento en los artículos	accordination of care segurated and a constraint of the solution of the soluti	Secretaria, para la realización de esta segunda etana de exploración minera	reduiere la presentación de una manifectación de importo ambiental acto esta	verofilo hosque tropped caducifolio hosques de configura o posicio de matorra	nas actividades de exploración miniera directa, en zonas agricolas, ganaderas o enales y	Invertitia Unicial mexicana, Que establece las especificaciones de protección ambiental para	área y sitio propuesto, siempre y cuando se observe la NOM-120-SEMARNAT-2011	VII.Que esta Delegación, determina que el proyecto citado es viable de desarrollarse en el		nesgo y especificaciones para su inclusion, o cambio-lista de especies en riesgo publicada en el Diario Oficial de la Federación el 30 de diciembre del 2011	protección ambiental-especies nativas de méxico de flora y fauna silvestres-categorías de	VI. Obe existen especies en listados en la NOM-DES-SEMADNATIONO en especieso.	a garantizar su supervivencia y los resultados optenidos. Dicho reporte se deberá	seguímiento de las plantaciones. De haber realizado actividades de traslado de fauna o rescate de individuos de vedetales se deberán indicar las acciones realizadas tendientes	zonas reforestadas, superficies, listado de especies empleadas y actividades de	y Recursos Naturales o a su Delegación Federal correspondiente un reporte en el que se manifiesten las condiziones finales del sitio la ubicación de un altera teoroactero de las	4.1.22 Una vez realizada la restauración se presentará a la Secretaría de Medio Ambiente	de areas verdes, así como las especies biológicas de especial interés susceptibles de trasplante, y aquéllas con algún tipo de valor regional o biológico.			obras que tendrán uso futuro, debidamente justificado, en cuyo caso como medida de compensación se deberá restaurar alguna área vecina.	serán aquellos afectados por las actividades realizadas, excepto aquellos ocupados por	restauración forestal, en su caso. El programa deberá contener el calendario de actividades, incluyendo las correspondientes al mantenimiento. Los sitios a restaurar	Herm		SEMARNAT 2019
	Idmin H in the net a new of the second	A	noviembre del 2012; una vez	nte y Recursos Naturales, de la	del 2000; 40 fracción IX inciso	lación del Impacto Ambiental	, fracción I, 5, incisos L, fracción	cción III, 31, fracción I de la Lev	ederal 16, fracción X de la Lev	dos Unidos Mexicanos: 32 Bis.	n fundamento en los artículos	pioración minera.	inpacto amplentat ante esta	mbacto ambiantal anto acta	arrolle vegetacion de matorral	gricolas, ganaderas o eriales y	s de protección ambiental para	a NOM-120-SEMARNAT-2011	es viable de desarrollarse en el	and the second se	le especies en riesgo publicada 2011	/ fauna silvestres-categorías de	VONAT 2010 and antiching in	los. Dicho reporte se deberá	vidades de traslado de fauna o acciones realizadas tendientes	empleadas y actividades de	ndiente un reporte en el que se	Secretaria de Medio Ambiente	ológico.	ntar, previa a dicha actividad se n in situ o se integren al diseño		en cuyo caso como medida de	xcepto aquéllos ocupados por	rá contener el calendario de limiento. Los sitios a restaurar	Hermosillo, Sonora, a 10 de mayo del 2019.	Oficio: DS-SC-UGA-IA-0239/2019 Bitácora: 28/IP-0129/04/19 Clave de Proyecto: 268/02/19/ID023	en el estado de Semarna i en el estado de Sonora Subdelegación de Cestión
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-t	BAN PE	1 EZ]-	20	61	18	17	16		14	13	12	the second se	10		8	7	6	5	1	1	2	barreno	coordenadas en	El proyecto "Sa	Preventivo.	el Articulo 29 de tanto, puede re	municipios de S	barrenación y la ubica partiendo	de 52.359.8273	por la empresa proyecto "Santa	PRIMERO Que			Reglamento de			SEMA
t	Alex 1.	- 21 724843 460	20 724880.920	19 724918.381	18 724955.842	17 724863 123	16 724825 663	15 724788.202	14 724750.741	13 724713,281	12 724675.820	11 724638.359	10 724583.102		8 724658.023	1 7 724695.484	į	5. 724640.226	1	1	2 724547 507		coordenadas entre otros, ubi	El proyecto "Santa Daniela"	Preventivo.	el Articulo 29 del Reglamen tanto, puede realizar las ob	municipios de Sahuaripa y Yu	barrenación y las planillas d	de 52359.8273 has oue o	proyecto "Santa Daniela" a 1	PRIMERO Que las obras y a	3.0		Reglamento de Evaluación o			SEMARNAT
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CUARTO - De conformidad con el Artículo 35 de la Ley Ceneral del Equilibrio Ecológico y la protección al Ambiente y 49 de su Regiamento en Materia de Evaluación del Impenso Ambiental, la presente autorización solo se refere una y exclusivamente a los aspectos ambientales de las obras y actividades descritas en el Término Primero para el Proyecto ambientales de las obras y actividades descritas en el Término Primero para el Proyecto ambientales de las obras y actividades descritas en el Término Primero para el Proyecto ambientales de las obras y actividades descritas en el Término Primero para el Proyecto ambientales de las obras y actividades descritas en el Término Primero para el Proyecto ambientales de las obras y actividades descritas en el Término Primero para el Proyecto antienta de las descritas de las descritas en el Término Primero para el Proyecto antienta de las descritas descritas en el Término Primero para el Proyecto antienta de las descritas de las descritas en el Término Primero para el Proyecto antienta de las de las obras y actividades descritas en el Término Primero para el Proyecto antienta de las de las obras y actividades descritas en el Término Primero para el Proyecto antienta de las de las obras y actividades descritas en el Término Primero para el Proyecto antienta de las de las obras y actividades descritas en el Término Primero para el Proyecto antienta de las de las descritas descritas en el Término Primero para de las descritas descritas de las desc del Equilibrio Ecológico y la Protección al Ambiente en Materia de Evaluación del Impacto Ambiental, la empresa JLL GRUPO MULATOS DE SONDA, S.A DE C.V., debe hacer del conocimiento de esta Delegación Federal de la SEMANAT, de manera previa, cualquier eventual modificación al proyecto que se aparte de lo manifestado, incluyendo lo referente de la Ley Federal de Procedimiento Administrativo. ambiennaise de las obras y actividades descritas en el Término Primero para el Proyecto Santa Daniela", la presente autorización no reconoce o valida la legitima propiedad jo tenencia de la terra, por lo que queeza a salvo la acciones que determine la propia Secretaría, las autoridades federales, estatales y municipales, ante la ovenualidad de que a los tiempos de ejecución de los trabajos, procedente, de acuerdo con la legislac SECUNDO- Que el presente escrito no le exime de la presentación y cumplimiento a las condicionantes o requisitos que se incluyan en otras autoritaciones, licencias y permisos u otros ordenamientos logales en general que requieran otras autoridades competentes para la realización de la actividad propuesta en el Informe Preventivo. QUINTO - Notifiquese oportunidad Secretaría, las autoridades federales, estatales y municipales, ante la oventualidad de que la empresa **1L GRUPO MULATOS DE SONORA, S.A DE C.V.**, no pudiera demostrarlo en su presente autorizacion. prohibido desarrollar obras de preparación y construcción La presente se emite en materia ambiental no valida la legal posesión o uso de los predios manifestados para la realización de obras o actividades del proyecto. alguno TERCERO.- De acuerdo con lo señalado por el artículo 29 del Reglamento de la l donde se desa directa "Santa Daniela" se llovará a cabo en un tiempo de 24 meses conforme a la norma NOM-120-SEMARIANT-2011, que establece las especificaciones de protección ambiental para las actividades de exploración minera directa, en zonas con climas secos y templados en De acuerdo con lo anteriores que regulan los impactos ambientales que las obra exploración minera directa **"Santa Daniela"** pudieran producir Que existen normas oficiales mexicanas y otras disposiciones descritas en los considerandos coniferas o encinos SEMARNAT 104 de los ma 725248.061 adios legales previstos por los Artículos 35, 36 y demás relativos y aplicables vegetación de matorral xerófilo, bosque tropical caducifolio, bosques de manifestado en el Informe la presente impactos ambientales que las obras y actividades del proyecto la legislación ambiental 3170303.229 resolución al Lic. 2019 7 de 8 para que con toda oportu Preventivo el proyecto 208 Jesús Alfredo osillo, Sonora, a 10 de mayo del 2019 vigente. Queda vigente. Queda estrictamente distintas a las señaladas en la estado, incluyendo lo referente 726011.338 Clave de Proyecto: 26SO2019MD023 Oficio: DS-SG-UGA-IA-0239/2019 Bitácora: 26/IP-0129/04/19 ción Federal de SEMARNAT en el estado de Sonora Subdelegación de Cestiór secos y templados en Noriega López. Por dad se exploracion ión del Impacto 3170857.673 determine lo minera ----¹ En los términos del a adicionan y derogan Federación el 30 de no C.c.e.p. Subdelegación de Cestión para la Protección Ambiental y Recursos Unidad de Cestión Ambiental.- Edificio. Expediente técnico de la Empresa. ATENTAMENTE SEMARNAT Dulce María Villarreal de La Unidad Juríd arriterito en lo ca a de Medio Amb r de la Delegació signación firma arítulo 7) Bis en relación con los artículos Octavo y Décimo Teccero Transitorios del Decreto por el que i cliveras disposiciones de la Ley Orgánica de la Administración Pública Federal, publicado en el Diario roviembre de 2016 mbiente y Recursos N ación Federall de la Si na el presente la jefa acarra 2019 8 de 8 (Jes Delegación Federal de SEMARNAT en el estado de Sonora Subdelegación de Cestión lo, Sonora, a 10 de mayo del 2019 Oficio: DS-SG-UGA-IA-0239/2019 Bitácora: 26/P-0129/04/19 Clave de Proyecto: 26SO2019MD023 - SCPARN,- Edificio. Bar Cont 1 8 JUN. 2019 Share Class DMVL AND CAN de la





Appendix 5 Water Concession Title.

True Levision, del 5/2013 NOTSER-BALDONI 10. LUCEON AUTORIANO DE LA CONSTRUCTION DE LA CONSTRUCTION DE LA CONSTRUCTION 0. LUCEON AUTORIA DE LA CONSTRUCTION DE LA CONSTRUCTION DE LA CONSTRUCTION DE LA CONSTRUCTION 52. LUCEON AUTORIA DE LA CONSTRUCTION DE LA CONSTRUCTION DE LA CONSTRUCTION DE LA CONSTRUCTION DE LA CONSTRUCTION 52. LUCEON DE LA CONSTRUCTION DE LA 53. LUCEON DE LA CONSTRUCTION DE LA CONST CONSTRUCTION DE LA CONSTRUCTION DE LA CONSTRU	ARICLO TENCERO, A parté de la vertada en vego del premete popor el manemente puedo que permito matera a demanetación y resconse na discussione en las puederas materas del presente de una prevento pue el reciciou 35 de la las y de utgas al concentra tentas de noncensión y astropación mediante de las parte del cuantero de articula metero conferen a la cata de materialmente de presento pue en utera y astropación en las y depart inducativases de puedera autorgar se a clasar de materialmento y relativamente de table intermender las invitantes de ententes estas des puede las temperatorias de inducentes de ententes desponsibilidad de apas audiomativos	g 2649 YÉCORA	CLAVE NOMBRE DEL ACUFERO	II. REGIÓN HIDROLÓGICO-ADMINISTR	del Apricuto o regestrado preventente por la o del Apricuto SEGUNDO - Los aculteros en lo los socientes	b) No se permitirá la perforación de po instalación de cualquier otro mecanismo qui instalación de cualquier otro mecanismo qui	a) No se permitirá la perfoneción de p instalación de calquier das mezanismo que apuse necionales del subsuelo, sin contar Conscion Nacional del Agua queen la cont Nacionales oraqueta previumente por la auto Nacionales oraqueta previumente por la auto	ARTÍCULO PRIMERO - Por causas de interte elumbramiento de las aguas del subsuelo el presente Acuerdo, en consecuencia, a partir	Oficial de la Federación con fecha 05 de abril SEGUNDO, CUARTO y SEXTO establecen:	IV. Oue el sitio donde se ubicarán las obras (pozos localizar en el acultero YECORA, dentro de la zo de aguas del subsuelo, según "ACUERDO de atunto entremonto del subsuelo.	8 Declaración de Pago de Derechos en n fracciones / y 192-A fracción III. de la Ley		Memoria descriptiva y técnica del proyecto de construcción de las obras	5 Thutes de concesión mineta números 245008, 245008, 245010, 245011, 2 sextensión tola de terrero de 21,870 hectárese en los municipios de Yecora feixor de LL GRUPO MILLATOS DE SONOTA, S.A. DE C.V., con el cual se immuebles donde se udiciante na obras para extracción de apase de adeusido.	4 Copia de la credencial para volar No. Electoral a nombre del C. JESUS ALFREE	 Escritura Pública No. 54,083 volumen 839 Ruben Montes de Cca Mena Notanto Pública para actos de administración otogrado por del C. JESUS ALFREDO NORBEGA LOPEZ 	 Clave de Registro Federal de Contribuye SONORA, S.A. DE C.V. 	 Escritura Publica No. 33 (bid volume): 445 de leste 19 de merce de 2012, Antonio Corral Martinaz: Nasiano Publico No. 25 de Hermonillo, Sorona n sociedad denominada JLL GRUPO MULATOS DE SONORA, S.A. DE C.V. 	III Que el solicitante presenta solicitud de servic subtenáneas, con la documentación siguiente:		A CANADA CA
sc (1987) stylen i Gillaga Virglan CCDT 1856) 1999 - Stochassa Jacobarov (1997) 1985 - Jacobarov Stochassa 1999 - Barrow Stochassa Jacobarov (1997) 1987 - Jacobarov Stochassa 1999 - Stochassa Jacobarov (1997) 1987 - Jacobarov Stochassa	RefICLD TREERE. A partir de la vertada en agos de presente ducatos y hadas en tanto as presente en antonemento puesto que parten avalendo en antenencesco y laso subantestes de las agos presento por el recisco 30 de la loy de Aquita formante la Constante y hada parte de las pre- presento por el recisco 30 de la loy de Aquita formante a la devante. Es parte parte de las pre- titada de normanies partenamente de las agostas de la conserte de las auculteras señeladads en el atencia menter constante a establecación en la devante. Es partenamente el las auculteras señeladads en el atencia menter una cata es de mañantecar y realmentente el las obras de inducativas estable atencia atencia terra el cata de mañantecar y realmentente a las obras de inducativas estables cuando tatals terran por objete intermentar las valormentes de extención semper y utantos ensiste deponduidad de apas subtencianos.	8 DE JULIO DE 2010 ²⁰	CHARTER AND	E CENTRAD - LOS BRUMBIOS BIT LOS QUE SE SUSPENSE D'ONSIGNAMMENTA EL LOTE AUMIDIZATIMENTO SON RECON HOROLOGICO ADMINISTRATIVA "NOROESTE", ESTADO DE SONDIA.	de digitario o registrino di previsione por la giustanza su in annosciazione previs de la consider interconsi del Agiano de SEGUNDO - Los acuíferos en los que se suspende provisionalmente el los admitummento son los societarios:	b) No se permitra la perforación de pozos, o la construcción de obras de inforestructura o la instalación de cualquie otro mesorismo que terga por objeto incrementar el volumen de estracción	a) No sa pumita la porteción de portos la construcción de notes de infraestructure o la neurosco puestante en entrenantes que neuro para porteción en esta construcción de transmismo de la construcción de transmismo de la construcción de transmismo de la construcción de la con	A PTCULC D'ANIE ERO - For causas de interes y validad publicos se suspende provisionalmente al libra denominante de las apuas del subsedio en los acuitares que as soltalian en el anticulo sagundo del presente Acuatos en consideracióna, a partir de su activato en your:	ude 2013, que en su ARTICULO PRIMERO (noisos a) y b).	Clus el sito conde se utorsant las ches (pocos) para initiar el valante de apara subcontinens utorsato, en localas en el aunitor OCOLA, dento da las consideras en sistancedos presidentamiente al autorbanente en apara est catalunes, asport "ACLEPICO General por el que se suspetido presestamiente el latero anorgamento instancia, asportan el catalo de catalo por el que se suspetido presestamiente el latero anorgamento ha catalona.	Declaración de Pago de Derechos en materia de aguas neclonales, con relación a los anticulos 1921 fanciones / y 192. A fanción III, de la Ley Federal de Derechos.	ven solicitado	o de construcción de las obras	Trates die consellor inneren inneren Akulton 24008 (24001) 420012 (24012) (24002) is der und waterioch chall die levene de 21.601 beglässen in him micropica del Vecchan de Statutena, Socoau en dieur de 4.1. GRAPPO NLALVIS DE SCHORAL S.A. LE C.V., con et cuite is acresta is possesion de los immedies zonde sus diadomi die doche para estatucion de agaia de autosuido.	Copia de la credencial para volar No. 0478094017343 espedida por el entorces Instituto Federal Electoral a nombre del C. 4ESUS ALFREDO NORREGA LOPEZ	Exertinan Palikara Nu. 54.031 volumen RSB da Neuen NS de momentes de XD3 obuquéa antes el Lu: Lus Paséen Montes de Con Annae Maximo PAléco No. 30, de Hermania Scrione, que careira de materimativación obligado para actos de materimativación obligado para ALI, GRUPO MULATOS DE SONDRAN, S.A. DE C.V. en foror para actos de materimativación obligado para ALI, GRUPO MULATOS DE SONDRAN, S.A. DE C.V. en foror and C. actista (Anterior) Multication (De Careiro).	Clare de Registro Federal de Contribuyente: JGM120118C44 a nombre de JLL GRUPO MULATOS DE SONORA, S A DE C/V	1 Eccriture Pública Na 35.624 voltamon 445 the kerels 15 dis vience de 2012, oroposta anne el Lic. Salvador Antonio Ocrafi Mattrias, Natario Pálisos Na 25 de Menorinis, Sorona que scatiliane constitución de la sociedad denominada aLL GRUPO MULATOS DE SONORA, S.A. DE C.V.	Oue el solicitante presenta solicitud de servicios, para trámite concesión de aproectuamiento de aguas subtemineos, con la documentación siguente:	EXPEDIENTE No. SON-CARDYALOS-18 No. RESOLUCION SON123958118	ORGANISMO DE CUENCA NOROESTE
Fine Bectoin, distriction-informationations, and a second se		DA SISUENTE DE LA MOTIFICACIÓN DE LA PRESERVE RESOLUCIÓN -JTILLO	conception expressions and an operation of the presentation are noted when a final methods and the conception of the con	Late) concessor(es) assponsiveres) y withs) permisses is entenden elegados an pripaco de derechos de terceros y se suplater a las	NO PARA RESCARGAR AQUIS RESOURCES FOR UNXULUES FOR UNXULUES FOR UNXULUES FOR THING	PERMISO	Image: Construct of the second program of t	1 1	SI PARA EXPLOSING, USAR O APROVECTAR AQUAS NACIONALES DEL SUBSUELO POR UN VOLUMEN DE	NO PARA ESPLOTAR, USARO APROVECIVAR XQUAS NACIONALES SUPERITONALES POR UN VOLUMEN DE XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	No 74, CO COM-WA CON Register Frankright Controlwynes (JOR/2017) FEAL con tomisiou an PARED FOI OS SDV064, No 74, CO COM-WA CO ELF RD, HERNISSLICI, Marione o Delegazión del HERNISSLICI, de la Endupt Frankrik de SONGRA y Codege Postel 33270.	A TIT CARDO WITHLOS DE SONOLY 3Y DE OA de la finante de genouirpart LY CONCESIONTER 4	Nimer Discritisersence in Are	Spacesson TITULO DE CONCESIÓN	Anciones n.V. v y VI. 119 les facción L.133, 121, 122 y 123 de la lar discunsi del Equilitido Ecológico y la Prosece Anciones de aputados A.18, 63, 9 U.U.D. "Y pris del facigiamento de la Luy General del Equilitido Ecológico y la Prose al Anciente en materia de Esatuación del Impacto Ambiental, compa el presente tuto de acuerdo a las comos		Teoconess VII. XII y X., 4", 9" Reaconest I. V. VI, K. X. X. XIII XX, Y. XII XX, XXO HOM, XXO XV, X. XVIII L. VII. XV XVII XVII. XX XVII XXII XXO XVII XXII XXII XXII XX	www.swite uscy upgenesis are in summarizable House Health, 27, 49, 41, 47, 42, 416 Magniterio Health of the Society Medio Americe Possibility Multitaties, 17, 64, 17, 24 percenses in 19, VVII 25 hascenit C35 hascenit K35 hascenita Bascisten 17, 75 hascenses il 18, IV VIII, 33, X009 y LVIII, 75 hascenses il 19, VVIII 65 hascenses il 19, MVIII Internot audio, statismo y cuidato Timatorica del Reglamento attata Multi 66 hascense al 19 hascense il 19, 19 hascenses il 18, IV VIII 31, X009 y LVIII 75 hascenses il 19, VVIII 55 hascenses il 19, MVIII 55 hascenses il 19, 19, 19, 19, 19, 19, 19, 19, 19, 19,	Securitory: El Hoder Ejecinitor Esteral, por conducto de la CONSION ANCIDAUL, EL AGUA, que en la succesito au determinata "AL CONSION", en la initión de completence con fundamento en la dequesto en las estucas 27 partes quento y sento de la Constitución Política de los Estados Unidos Mexicanos: 32 Bis fasciones V, XM, XMV, XM) XMV de	PRIMERO Sa autoriza la contrasión para orpidari, tara o aprovechar apuas rulcoralite del subsuelo y parmiso para descargar apuas residuates a facor de JL GORDO MULATOS DE SONORA, SA DE C.V., se oropa parmiso para cuarto cota e partoración y unimbramistico de apuas subtentiveas, conforme a las cameterísticas asentadas en los arranges 2.1 s 2.1 de este tinio de concession.	0250V1529509FADAN8 SE RESUELVE

Fine Denision, editor/CD3: NTR-global/2009/ 0123116-01207mmem77222-0440555204000122644055550048585004858102849454640500010408/ 0123-0111075555007ma.global.postashoop/Sectional.20040109555004488102494945404550040124012949444755500 511:0-011107432014202475445445449494810404448014gjoundepublicky040947831bod aut JQ200000240129494447555ptm	Tro de són ROD Preundraide la predenzione (RODO) mb. Diametro advancego (RODO) nm Diametro advancego (RODO) nm Tro de bonha (RODO) nm Tro de bonha (RODO) nm Especiescome de abone RELONICIONO MARIA DIARONO DE ARTICON Especiescome de abone RELONICIONO MARIA DIARONO DE ARTICON Especiescome de abone RELONICIONO MARIA DIARONO DE ARTICON Especiescome de abone RELONICIONO MARIA DIARONO DE ARTICON	CUMPL: E sis balacionet e destinativa e escatar de gala significativa. "La Consister Consister Constraint de la Constanti de la constanti.	Function Support Support <t< th=""></t<>
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A T E N T A M E N T E EL DIRECTOR DE ADMINISTRACIÓN DEL AGUA ING. GUSTAVO A. BARREDA ASTIAZARAN Con firma electrónica al calce co de que no pueda ajustanse al les camaptoristicas constructivas de la dora da divocada, sientre su portes el portes de preferoación y de presento su vinteres que noralizar la dora, será mecenario y a esta Autoridad dicha situación, a efecto de que se lo oriente respecto de los trainites que correspond y a esta Autoridad dicha situación, a efecto de que se lo oriente respecto de los trainites que corresponde y a esta Autoridad dicha situación, a efecto de que se lo oriente respecto de los trainites que corresponde y a esta Autoridad dicha situación, a efecto de que se lo oriente respecto de los trainites que corresponde y a esta Autoridad dicha situación. t- Con funda so de pozos miento, debienc éctrico, prueba Cultura y Comonfort, Edificio anoredo con la estuticición en (xa artículos 124 de la Ley de Aguas Nacionales, 100, 150, 150, y 150 de la Ley de Aguas Nacionales, el presente azo se déditilito y en su contra puese interprover neuros de o que se la concete para la décitu o place de la diabiles, contados a parte del día habil siguiente esuta electos la notificación del presente documento. pozo a partir de su seña 00 nento en lo sente resolu de su inscrip rechos a la Ley de Aguas en el Hermosillo o en los artículos 30 y 31 de la Ley de Aguas Nacionales, 57, 58 y 62 de sutirá efectos legales ante terceros, "la Autoridad del Agua" y cualquier Registro Público de Derechos de Agua. ing in 361 Nivel, Colonia Nacionales, se ANOS JLL GRUPO MULATOS DE SONORA, S.A. DE Paseo Rio Sonora No. 74, colonia Vado del Rio. Villa de Serís, ORGANISMO DE CUENCA NOROESTE 33 de la EXPEDIENTE No. SON-O-1097-14-05-18 No. RESOLUCION SON152958/18 cnico del perfortsta, co rrama final de la obra. C indicar tipo de bombe, i dispositivo de medición meno a erabe Ley Federal de Proc que el expediente inte que de r Sonor de esta Ciudad el del 03 de febrero de 1000 metros de obras comunicarlo a esta Comisión perfor en el Registro Publi as obras, contados e , debiendo notificar a no hacerlo se consi a 29 de mayo de 2018 acción H Agua, de Her Cuando Lipo de informe 1997 agua mosilo,

esta por

Appendix 6 Assay certificate and sample photos, independent samples collected by M Gray.



Left: Outcrop exposure of sample site SD-1. Right: Detail of sample SD-1, silicified porphyritic dacite, dense porcelainous silica cut by cryptocrystalline and fine drusy quartz veinlets. Assayed 6.27 ppm Au.



Left: Outcrop exposure of sample site SD-2. Right: Detail of sample SD-2, multistage quartz veined rhyolitic tuff (?). White porcelainous silica, in places brecciated with red hematitic silicified matrix. Veinlets irregular - tectonized? Latest veinlets are drusy. Assayed 0.226 ppm Au.



Left: Outcrop exposure of sample site SD-3. Right: detail of sample SD-3, silicified and quartz veined rhyolitic tuff just above NA330 25SW contact with underlying weakly argillized dacite. Assayed 0.994 ppm Au.



Sample SD-4, footwall to sample SD-3, weakly argillized feldspar porphyritic dacite porphyry. Unmineralized, <0.005 ppm Au.



 17960 S. Kolb Pd. Tucson, AZ 85766 Tar (500, 622-4685 bucson@skylinelabs.com
 Image: Comparison of the provided in the provided i



Page 3 of 5

ASSAYERS & LABORATORIES ANALYSIS CERTIFICATE Client: Resource Geosciences Inc. Resource Geosciences Santa Daniela, Sonora Rock Chip Matthew D Gray BZI20-002 14-Aug-20 Project: Sample type(s): Submitted by: RESULTS S % 0.01 TE-2 Na % Ni Pb v Zn Mg % 0.01 TE-2 Mn Mo Sb Sc Sr т w Analyte Units Limit % 0.001 TE-2 ppm 2 TE-2 ppm 0.1 TE-2 99m 10 TE-2 ppm 10 TE-2 ppm 1 pom 1 ppm 5 ppm 2 ppm 5 96 ppm ppm 1 0.01 TE-2 0.01 TE-2 1 TE-2 TE-2 TE-2 TE-2 TE-2 TE-2 Package Code TE-2 0.04 0.06 0.06 0.95 <2 <2 <2 <2 <2 1.2 0.2 0.4 3.6 < 10 < 10 < 10 < 10 39 23 9 78 SD-1 SD-2 55 120 < 0.01 0.011 6 0.01 5 3 < 0.01 < 10 7 1 3 3 12 5 10 < 5 < 5 234 0.08 0.35 0.08 < 10 < 10 < 10 < 10 10 12 87 < 0.01 0.012 2 < 0.01 SD-3 SD-4 125 505 12 8 < 0.01 0.008 2 < 0.01 0.02 0.067 0.06 4





				Page 5 of 5
				ASSAYERS & LABORATORIES
Client:	Resource	Geoscien	ces Inc.	ANALYSIS CERTIFICATE
Project:	Santa Da	niela, Sono	ara	BZ120-002
Sample type(s):	Rock Chi	р		14-Aug-20
Submitted by:	Matthew I	D Gray		
QUALITY CO	ONTROL			
200200	Analyte	Au	Au	
	Units	ppm	g/Mt	
	Limit	0.005	0.03	
	Package Code	FA-01	FA-02	
CDN-CM-22 meas	-	0.740		
CDN-CM-22 cert		0.718		
CDN-GS-5M meas			3.77	
CDN-GS-5M cert			3.910	
CDN-GS-7F meas			6.99	
CDN-GS-7F cert		10000	6.90	
SD-1 orig		> 5.000	6.27	
SD-1 dup SD-4 orig		> 5.000	6.21	
SD-4 ong SD-4 dup		< 0.005		
ANALYSIS	METHODS			
Method Code	Descriptio			
FA-AAS	Fire Assay		410	
FA-GRAV			SOP 411,412	
TE-2	Aqua-Regia	a Digestion	ICP-OES, SO	

7960 S, Kolb Rd, Tucson, A2 85756 Tel (520) 622-4556 Fax (520) 622-8085 tucson@skylinielabs.com http://www.skylinelabs.com



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