

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-K

(Mark One)

[X] ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2016

OR

[] TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to

Commission file number 1-13627

GOLDEN MINERALS COMPANY

(Exact Name of Registrant as Specified in its Charter)

DELAWARE
(State of Incorporation or Organization)

26-4413382
(I.R.S. Employer Identification No.)

350 Indiana Street, Suite 800
Golden, Colorado
(Address of principal executive offices)

80401
(Zip Code)

(303) 839-5060
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Table with 2 columns: Title of each class, Name of each exchange on which registered. Row 1: Common Stock, \$0.01 par value; NYSE MKT

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes [] No [X]

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes [] No [X]

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes [X] No []

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes [X] No []

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. []

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer [] Accelerated filer []
Non-accelerated filer [] Smaller reporting company [X]
(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes [] No [X]

Indicate by check mark whether the registrant has filed all documents and reports required to be filed by Section 12, 13, or 15(d) of the Securities Exchange Act of 1934 subsequent to the distribution of securities under a plan confirmed by a court. Yes [X] No []

The aggregate market value of the voting and non-voting common equity held by non-affiliates as of June 30, 2016 was approximately \$30,003,238, based on the closing price of the registrant's common stock of \$0.65 per share on the NYSE MKT on June 30, 2016. For the purpose of this calculation, the registrant has assumed that its affiliates as of June 30, 2016 included all directors and officers and one shareholder that held approximately 47% of its outstanding common stock. The number of shares of common stock outstanding on February 24, 2017 was 89,658,910.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's Definitive Proxy Statement to be filed with the Securities and Exchange Commission pursuant to Regulation 14A in connection with the 2017 Annual Meeting of Stockholders are incorporated by reference in Part III of this annual report on Form 10-K.

GOLDEN MINERALS COMPANY
FORM 10-K
YEAR ENDED DECEMBER 31, 2016

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References to “Golden Minerals, the “Company,” “our,” “we,” or “us” mean Golden Minerals Company, its predecessors and consolidated subsidiaries, or any one or more of them, as the context requires. Many of the terms used in our industry are technical in nature. We have included a glossary of some of these terms below.

FORWARD-LOOKING STATEMENTS

Some information contained in or incorporated by reference into this annual report on Form 10-K may contain forward-looking statements and forward-looking information (collectively, “forward-looking statements”) within the meaning of the United States Private Securities Litigation Reform Act of 1995 and other applicable securities laws. We use the words “anticipate,” “continue,” “likely,” “estimate,” “expect,” “may,” “could,” “will,” “project,” “should,” “believe” and similar expressions (including negative and grammatical variations) to identify forward-looking statements. These statements include statements relating to our expectations regarding the oxide plant lease including its duration and revenues, expectations related to our Santa Maria and Rodeo properties in Mexico including planned exploration and other evaluation work and costs, planned exploration activities and costs related to our other exploration properties, anticipated 2017 income and expenditures, expected need for external financing, costs and expectations related to our El Quevar project, and statements concerning our financial condition, business strategies and business and legal risks. Although we believe the expectations and assumptions reflected in those forward-looking statements are reasonable, we cannot assure you that these expectations and assumptions will prove to be correct. Our actual results could differ materially from those expressed or implied in these forward-looking statements as a result of various factors described in this annual report on Form 10-K, including:

- Higher than anticipated care and maintenance costs at the Velardeña Properties in Mexico or at El Quevar in Argentina;
- Lower revenue than anticipated from the oxide plant lease, which could result from delays or problems at the third party's mine or at the oxide plant, permitting problems at the third party's mine or the oxide plant, delays in constructing additional tailings capacity at the oxide plant, earlier than expected termination of the lease or other causes;
- Continued decreases or insufficient increases in silver and gold prices;
- Whether we are able to raise the necessary capital required to continue our business on terms acceptable to us or at all, and the likely negative effect of continued low silver and gold prices or unfavorable exploration results;
- Unfavorable results from exploration at our exploration properties and whether we will be able to advance our Santa Maria and Rodeo properties or other exploration properties;
- Risks related to the El Quevar project in Argentina, including whether we will be able to fund further exploration ourselves or find a joint venture partner to advance the project, the feasibility and economic viability and unexpected costs of maintaining the project;
- Variations in the nature, quality and quantity of any mineral deposits that are or may be located at the Velardeña Properties or the Company's exploration properties, changes in interpretations of geological information, and unfavorable results of metallurgical and other tests;
- Whether we will be able to mine and sell minerals successfully or profitably at any of our current properties at current or future silver and gold prices and achieve our objective of becoming a mid-tier mining company;

- Potential delays in our exploration activities or other activities to advance properties towards mining resulting from environmental consents or permitting delays or problems, accidents, problems with contractors, disputes under agreements related to exploration properties, unanticipated costs and other unexpected events;
- Our ability to retain key management and mining personnel necessary to successfully operate and grow our business;
- Economic and political events affecting the market prices for gold, silver, zinc, lead and other minerals that may be found on our exploration properties;
- Political and economic instability in Mexico, Argentina, and other countries in which we conduct our business and future actions of any of these governments with respect to nationalization of natural resources or other changes in mining or taxation policies;
- Volatility in the market price of our common stock; and
- The factors set forth under “*Risk Factors*” in Item 1A of this annual report on Form 10-K.

Many of these factors are beyond our ability to control or predict. Although we believe that the expectations reflected in our forward-looking statements are based on reasonable assumptions, such expectations may prove to be materially incorrect due to known and unknown risks and uncertainties. You should not unduly rely on any of our forward-looking statements. These statements speak only as of the date of this annual report on Form 10-K. Except as required by law, we are not obligated to publicly release any revisions to these forward-looking statements to reflect future events or developments. All subsequent written and oral forward-looking statements attributable to us and persons acting on our behalf are qualified in their entirety by the cautionary statements contained in this section and elsewhere in this annual report on Form 10-K.

CAUTIONARY STATEMENT REGARDING MINERALIZED MATERIAL

“Mineralized material” as used in this annual report on Form 10-K, although permissible under the United States Securities and Exchange Commission’s (“SEC”) Industry Guide 7, does not indicate “reserves” by SEC standards. We cannot be certain that any deposits at the Velardeña Properties, any part of the Yaxché deposit at the El Quevar project or any deposits at our other exploration properties, will ever be confirmed or converted into SEC Industry Guide 7 compliant “reserves”. Investors are cautioned not to assume that all or any part of the disclosed mineralized material estimates will ever be confirmed or converted into reserves or that mineralized material can be economically or legally extracted.

CONVERSION TABLE

In this annual report on Form 10-K, figures are presented in both United States standard and metric measurements. Conversion rates from United States standard measurement systems to metric and metric to United States standard measurement systems are provided in the table below. All currency references in this annual report on Form 10-K are to United States dollars, unless otherwise indicated.

<u>U.S. Unit</u>	<u>Metric Measure</u>	<u>Metric Unit</u>	<u>U.S. Measure</u>
1 acre	0.4047 hectares	1 hectare	2.47 acres
1 foot	0.3048 meters	1 meter	3.28 feet
1 mile	1.609 kilometers	1 kilometer	0.62 miles
1 ounce (troy)	31.103 grams	1 gram	0.032 ounces (troy)
1 ton	0.907 tonnes	1 tonne	1.102 tons

GLOSSARY OF SELECTED MINING TERMS

“**Base Metal**” means a classification of metals usually considered to be of low value and higher chemical activity when compared with the precious metals (gold, silver, platinum, etc.). This nonspecific term generally refers to the high-volume, low-value metals copper, lead, tin, and zinc.

“**Breccia**” means rock consisting of fragments, more or less angular, in a matrix of finer-grained material or of cementing material.

“**Calcareous Clastic**” means sedimentary rock composed of siliciclastic particles usually of conglomerate, sand, or silt-size and cemented by calcium carbonate in the form of calcite.

“**Claim**” means a mining interest giving its holder the right to prospect, explore for and exploit minerals within a defined area.

“**Concentrates**” means the clean product of ore or metal separated from its containing rock or earth by froth flotation or other methods of mineral separation.

“**Concession**” means a grant or lease of a tract of land made by a government or other controlling authority in return for stipulated services or a promise that the land will be used for a specific purpose.

“**Core Drill**” means a rotary type of rock drill that cuts a core of rock and is recovered in long cylindrical sections, two centimeters or more in diameter.

“**Deposit**” means an informal term for an accumulation of minerals.

“**Development Stage**” means a project with an established resource, not in production, engaged in the process of additional studies preparing for completion of a feasibility study or for commercial extraction.

“**Diorite**” means a grey to dark grey intermediate intrusive igneous rock composed principally of plagioclase feldspar (typically andesine), biotite, hornblende, and/or pyroxene.

“**Doré**” means gold and silver bullion that remains in a cupelling furnace after the lead has been oxidized and skimmed off.

“**Epithermal Calcite-Quartz**” means deposits, typically occurring in veins, of calcite-quartz from hydrothermal fluids at shallow depths under conditions in the lower ranges of temperature and pressure.

“**Euhedral**” means a well-developed degree of which mineral grains show external crystal faces (fully crystal-faced).

“**Exploration Stage**” means a project that is not yet in either the Development Stage or Production Stage.

“**Feasibility Study**” means an engineering study designed to define the technical, economic, and legal viability of a mining project with a high degree of reliability.

“**Flotation**” means the separating of finely crushed minerals from one another by causing some to float in a froth and others to remain in suspension in the pulp. Oils and various chemicals are used to activate, make floatable, or depress the minerals.

“**Formation**” means a distinct layer of sedimentary rock of similar composition.

“**Fracture System**” means a set or group of contemporaneous fractures related by stress.

“**Grade**” means the metal content of ore, usually expressed in troy ounces per ton (2,000 pounds) or in grams per ton or metric tonnes which contain 2,204.6 pounds or 1,000 kilograms.

“**Inferred Resource**” means the part of a mineral resource for which quantity and grade or quality can be estimated on the basis of geological evidence and limited sampling and reasonably assumed, but not verified, geological and grade continuity. The estimate is based on limited information and sampling gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes.

“**Laramide Orogeny**” means a period of mountain building in western North America, which started in the Late Cretaceous age, 70 to 80 million years ago, and ended 35 to 55 million years ago.

“**Mineralization**” means the concentration of metals within a body of rock.

“**Mineralized Material**” means a mineralized body that has been defined by appropriate drilling and/or underground sampling to establish continuity and support an estimate of tonnage and an average grade of the selected metals.

“**Mining**” means the process of extraction and beneficiation of mineral reserves or mineral deposits to produce a marketable metal or mineral product. Exploration continues during the mining process and, in many cases, mineral reserves or mineral deposits are expanded during the life of the mine activities as the exploration potential of the deposit is realized.

“**Monzodiorite**” means coarse-grained igneous rock consisting of essential plagioclase feldspar, orthoclase feldspar, hornblende and biotite, with or without pyroxene, with plagioclase being the dominant feldspar making up 6% to 90% of the total feldspar and varying from oligoclase to andesine in composition. The presence of the orthoclase feldspar distinguishes this rock from a diorite.

“**National Instrument 43-101**” or “**NI 43-101**” means the standards of disclosure for mineral projects prescribed by the Canadian Securities Administrators.

“**Net Smelter Return Royalty**” means a defined percentage of the gross revenue from a resource extraction operation, less a proportionate share of transportation, insurance, and processing costs.

“**Open Pit**” means a mine working or excavation open to the surface.

“**Ore**” means material containing minerals that can be economically extracted.

“**Outcrop**” means that part of a geologic formation or structure that appears at the surface of the earth.

“**Oxide**” means mineralized rock in which some of the original minerals have been oxidized (i.e., combined with oxygen).

“**Precious Metal**” means any of several relatively scarce and valuable metals, such as gold, silver, and the platinum-group metals.

“**Preliminary Economic Assessment**” or “**PEA**” means a study, other than a pre-Feasibility or Feasibility Study, that includes an economic analysis of the potential viability of mineral resources.

“**Probable Mineral Reserves**” means mineral reserves for which quantity and grade and/or quality are computed from information similar to that used for Proven Mineral Reserves, but the sites for inspection, sampling and measurement are farther apart or are otherwise less adequately spaced. The degree of assurance, although lower than that for Proven Mineral Reserves, is high enough to assume continuity between points of observation.

“**Production Stage**” means a project that is actively engaged in the process of extraction and beneficiation of mineral reserves or mineral deposits to produce a marketable metal or mineral product.

“**Proven Mineral Reserves**” means mineral reserves for which (a) quantity is computed from dimensions revealed in outcrops, trenches, workings or drill holes; grade and/or quality are computed from the results of detailed sampling and (b) the sites for inspection, sampling and measurement are spaced so closely and the geologic character is so well defined that size, shape, depth and mineral content of reserves are well established.

“**Reclamation**” means the process of returning land to another use after mining is completed.

“**Recovery**” means that portion of the metal contained in the ore that is successfully extracted by processing, expressed as a percentage.

“**Mineral Reserves**” means that part of a mineral deposit that could be economically and legally extracted or produced at the time of mineral reserve determination.

“**Sampling**” means selecting a fractional part of a mineral deposit for analysis.

“**Sediment**” means solid fragmental material that originates from weathering of rocks and is transported or deposited by air, water, or ice, or that accumulates by other natural agents, such as chemical precipitation from solution or secretion by organisms, and that forms in layers on the earth’s surface at ordinary temperatures in a loose, unconsolidated form.

“**Sedimentary**” means formed by the deposition of Sediment.

“**Silver Equivalent**” means silver and gold only, with gold converted to silver equivalents at a 70 to 1 ratio.

“**Skarn**” means a coarse-grained metamorphic rock formed by the contact metamorphism of carbonate rock often containing garnet, pyroxene epidote and wollastonite.

“**Stock**” means discordant igneous intrusion having a surface exposure of less than 40 square miles.

“**Sulfide**” means a compound of sulfur and some other element.

“**Tailings Pond**” means a low-lying depression used to confine tailings, the prime function of which is to allow enough time for heavy metals to settle out or for cyanide to be destroyed before water is discharged into the local watershed.

“**Tertiary**” means the first period of the Cenozoic Era (after the Cretaceous of the Mesozoic Era and before the Quaternary) thought to have covered the span of time between 2 to 3 million years ago and 65 million years ago.

“**Vein**” means a fissure, fault or crack in a rock filled by minerals that have traveled upwards from some deep source.

“**Waste**” means rock lacking sufficient grade and/or other characteristics of Ore.

PART I

ITEMS 1 AND 2: BUSINESS AND PROPERTIES

Overview

We are a mining company and we own the Velardeña and Chicago precious metals mining properties and associated oxide and sulfide processing plants in the State of Durango, Mexico (the “Velardeña Properties”), the El Quevar advanced exploration silver property in the province of Salta, Argentina, and a diversified portfolio of precious metals and other mineral exploration properties located primarily in or near historical precious metals producing regions of Mexico. The Velardeña Properties and the El Quevar advanced exploration property are our only material properties. Our management team is comprised of experienced mining professionals with extensive expertise in mineral exploration, development and mine operations. Our principal offices are located in Golden, Colorado at 350 Indiana Street, Suite 800, Golden, CO 80401, and our registered office is the Corporation Trust Company, 1209 Orange Street, Wilmington, DE 19801. We also maintain an office at the Velardeña Properties in Mexico and exploration offices in Argentina and Mexico.

None of our properties are currently in production. We are primarily focused on evaluating and searching for mining opportunities in North America (including Mexico) with near term prospects of mining, and particularly for properties within reasonable haulage distances of our Velardeña Properties, including our Velardeña oxide and sulfide plants. The Company is also reviewing strategic opportunities, focusing primarily on development or operating properties in North America, including Mexico. The Company is continuing its exploration efforts on selected properties in its portfolio of approximately 10 exploration properties located primarily in Mexico. We continue to hold our El Quevar advanced exploration property in Argentina on care and maintenance until we can fund further exploration ourselves or find a partner to further advance the project.

No Proven or Probable Mineral Reserves/Exploration Stage Company

We are considered an exploration stage company under SEC criteria since we have not demonstrated the existence of proven or probable mineral reserves at our Velardeña Properties or any of our other properties. In Industry Guide 7, the SEC defines a “reserve” as that part of a mineral deposit which could be economically and legally extracted or produced at the time of the reserve determination. Proven or probable mineral reserves are those reserves for which (a) quantity is computed and (b) the sites for inspection, sampling, and measurement are spaced so closely that the geologic character is defined and size, shape and depth of mineral content can be established (proven) or the sites are farther apart or are otherwise less adequately spaced but high enough to assume continuity between observation points (probable). Mineral Reserves cannot be considered proven or probable unless and until they are supported by a feasibility study, indicating that the mineral reserves have had the requisite geologic, technical and economic work performed and are economically and legally extractable.

Prior to suspending mining and processing at the Velardeña Properties in November 2015, we had revenues from the sale of silver, gold, lead and zinc products from the Velardeña and Chicago mines. We have not completed a feasibility study with regard to all or a portion of any of our properties to date. Any mineralized material discovered or extracted by us should not be considered proven or probable mineral reserves. As of December 31, 2016, none of our mineralized material met the definition of proven or probable mineral reserves. We expect to remain an exploration stage company for the foreseeable future, even though we were extracting and processing mineralized material. We will not exit the exploration stage until such time, if ever, that we demonstrate the existence of proven or probable mineral reserves that meet the guidelines under SEC Industry Guide 7.

Company History

We were incorporated in Delaware under the Delaware General Corporation Law in March 2009. From March 2009 through September 2011, we focused on the advancement of our El Quevar silver project in Argentina. On

September 2, 2011, we completed a business combination transaction with ECU Silver Mining Inc. (“ECU”) and now own the Velardeña and Chicago silver, gold and base metals mines located in the Velardeña mining district in the State of Durango, Mexico as further described under “—*Velardeña Properties*”. Since the business combination with ECU, we have focused primarily on the further advancement and improvement of the Velardeña Properties, as well as identifying and establishing other mining opportunities with near term prospects.

Corporate Structure

Golden Minerals Company, headquartered in Golden, Colorado, is the operating entity through which we conduct our business. Following our September 2, 2011 business combination, ECU became a wholly-owned subsidiary of Golden Minerals, and two of ECU’s wholly-owned Mexican subsidiaries hold the assets and rights associated with the Velardeña Properties. We have a number of other wholly-owned subsidiaries organized throughout the world, including in Mexico, Central America, South America, the Caribbean and Europe. We generally hold our exploration rights and properties through subsidiaries organized in the countries in which our rights and properties are located.

Our Competitive Strengths and Business Strategy

Our business strategy is to establish Golden Minerals as a mid-tier precious metals mining company focused in Mexico. We also review strategic opportunities from time to time.

Velardeña Properties. Due to continuing net operating losses, we suspended mining and sulfide processing activities at the Velardeña Properties during the first half of November 2015 in order to conserve the future value of the asset. We have placed the mine and sulfide processing plant on care and maintenance to enable a re-start of either the mine or the mill when mining and processing plans and metals prices support a cash positive outlook for the property.

In July 2015 we entered into a leasing agreement with Minera Hecla, S.A. de C.V. (“Hecla”), a Mexican corporation and wholly-owned subsidiary of Hecla Mining Company, to lease our Velardeña oxide plant for an initial term of 18 months beginning July 1, 2015. During the third quarter 2016 Hecla exercised its right to extend the initial 18-month term for six additional months until June 30, 2017, as permitted under the original lease agreement. As contemplated by the original agreement, the Company and Hecla also reached an agreement regarding an expansion of the tailings impoundment, at Hecla’s cost, to accommodate Hecla’s use of tailings capacity in excess of an agreed amount while preserving flexibility for future tailings expansions. The agreed expansion is estimated to cost approximately \$1.5 million, and we have obtained the necessary permits for such expansion. The parties agreed that Hecla would either leave unused at the end of the lease term an agreed amount of capacity in the expanded tailings facility, or construct an additional expansion at its cost. In connection with their agreement regarding tailings impoundment expansions, the parties agreed that Hecla has the right to extend the lease for an additional 18 months following June 30, 2017, or until December 31, 2018.

Hecla is responsible for ongoing operation and maintenance of the oxide plant. During the year ended December 31, 2016, Hecla processed approximately 136,000 tonnes of material through the oxide plant, resulting in total revenues to us of approximately \$6.4 million, comprised of approximately \$3.0 million for direct plant charges plus fixed fees and other net reimbursable costs totaling approximately \$3.4 million. We incurred costs of approximately \$2.0 million related to the services we provide under the lease for a net margin of \$4.4 million during 2016. Hecla reached its intended processing throughput of approximately 400 tonnes per day during 2016 and, at this rate, net cash payments to us, net of reimbursable costs, should total approximately \$0.4 million per month, including variable and fixed fees, or nearly \$5.0 million annually.

El Quevar Project. We continue to hold our El Quevar property on care and maintenance until we can fund further exploration ourselves or find a partner to fund further exploration.

Exploration Focus. We are focused on evaluating and searching for mining opportunities in North America (including Mexico) with high precious metal grades and low development costs with near term prospects of mining, and particularly properties within reasonable haulage distances of our Velardeña Properties, which may include the Rodeo property located west of the Velardeña Properties in Durango.

During the first two quarters of 2016 we mined approximately 4,500 tonnes of material from the Santa Maria mine as bulk samples with grades of approximately 235 grams per tonne (“gpt”) silver and 0.7 gpt gold. During February 2017, we completed a preliminary economic assessment (“PEA”) on the Santa Maria property. The PEA results reported by the engineering firm of Tetra Tech, Inc (“Tetra Tech”), based on an updated estimate of mineralized material, show a potentially profitable operation based on a 200 tonnes per day mining rate and processing at a local third party mill. See “—*Exploration Properties –Santa Maria*” below for additional information regarding the Santa Maria Tetra Tech report.

In June 2016, we began a 2,080 meter core drilling program at the Rodeo property. The results from the program showed a gold and silver bearing epithermal vein and breccia system with encouraging gold and silver values over an approximate 50 to 70 meter true width. During January 2017, Tetra Tech completed an estimate of mineralized material at the Rodeo deposit, which presents two mineralized material estimates based on two different operating scenarios. See “—*Exploration Properties—Rodeo*” below for additional information regarding the Rodeo Tetra Tech report.

During 2017 we plan to focus our exploration efforts primarily on the Santa Maria mine and exploration on certain other properties, including Rodeo. We expect our expenditures for the exploration program in 2017 to be approximately \$1.8 million.

Experienced Management Team. We are led by a team of mining professionals with approximately 60 years of combined experience in exploration, project development, and operations management, primarily in the Americas. Our executive officers have held senior positions at various large mining companies including, among others, Cyprus Amax Minerals Company, INCO Limited, Meridian Gold Company, Barrick Gold Exploration and Noranda Exploration.

Velardeña Properties

Location, Access and Facilities

The Velardeña Properties are comprised of two underground mines and two processing plants within the Velardeña mining district, which is located in the municipality of Cuencamé, in the northeast quadrant of the State of Durango, Mexico, approximately 65 kilometers southwest of the city of Torreón, Coahuila and approximately 140 kilometers northeast of the city of Durango, which is the capital of the State of Durango. The mines are reached by a seven kilometer road from the village of Velardeña which is reached by highway from Torreón and Durango. The Velardeña mining district is situated in a hot, semi-arid region.

Of the two underground mines comprising the Velardeña Properties, the Velardeña mine includes five different major vein systems including the Terneras, Roca Negra, San Mateo, Santa Juana and San Juanes systems. During 2015 we mined from the San Mateo, Terneras and Roca Negra vein systems as well as the Santa Juana vein system to augment grades as mining and processing rates ramped up.

We own a 300 tonne per day flotation sulfide mill situated near the town of Velardeña, which accounted for 100% of our revenue from saleable metals during 2015. The mill includes lead, zinc and pyrite flotation circuits in which we can process the sulfide material to make lead, zinc and pyrite concentrates. Most of the silver and gold sold in 2015 was contained in the lead concentrate. During 2015 we processed all our mined material through the sulfide plant.

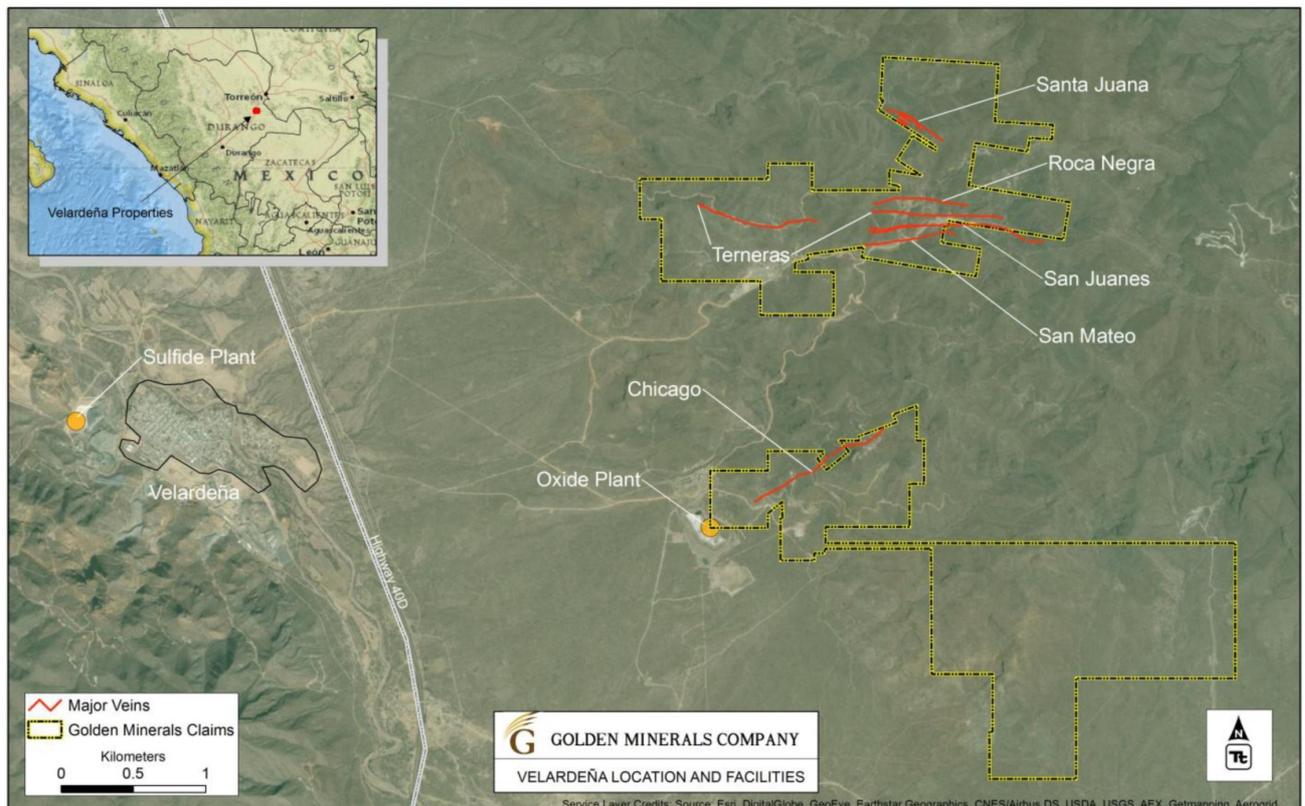
We also own a conventional 550 tonne per day cyanide leach oxide mill with a Merrill-Crowe precipitation circuit and flotation circuit located adjacent to our Chicago mine, which we previously used to process oxide and mixed sulfide/oxide material from the Velardeña Properties. In July 2015, we leased the oxide plant to a third party to process its

own material through the plant for up to 42 months. The third party began processing material at the plant in December 2015. We continue to evaluate and search for other oxide and sulfide feed sources, focusing on sources within haulage distance of our sulfide and oxide mills at the Velardeña Properties.

Prior to shutdown, we trucked material from the Velardeña mines to the sulfide plant. In January 2012 we completed a tailings pond expansion at the sulfide plant, which is fully permitted and has capacity to treat tailings for approximately four additional years at the average processing rate of 285 tonnes per day. At the oxide plant, we completed the first stage of a new tailings pond during May 2013. Additional tailings expansion work at the oxide plant is planned for 2017 to accommodate tailings for the third party lessee, at the cost of the third party lessee.

Power for all of the mines and plants is provided through substations connected to the national grid. Water is provided for all of the mines by wells located in the valley adjacent to the Velardeña Properties. We hold title to three wells located near the sulfide plant and hold certificates of registration to three wells located near the oxide plant. We are licensed to pump water from all six wells up to a permitted amount. We are currently pumping from the three wells associated with the oxide plant which is more than sufficient for the third party lessee's processing operations.

The following map shows the location of the Velardeña Properties (other than the El Mogote Fraccion concession, which is located southeast of the identified properties).



Property History

Exploration and mining in the Velardeña district extends back to at least the late 1500s or early 1600s, with large scale mining beginning in 1888 with the Velardeña Mining and Smelter Company. In 1902, the mining properties were acquired by ASARCO, who mined the property until 1926 when the mines were closed. For the next 35 years, the mines were operated from time to time by small companies and local miners. The property was nationalized in 1961, and in 1968 the sulfide processing plant was built by the Mexican government. In 1994, William Resources acquired the concessions comprising the Velardeña Properties. In 1997, ECU Gold (the predecessor to ECU Silver Mining Inc.) purchased from William Resources the subsidiaries that owned the concessions and the oxide processing plant. The sulfide processing plant was acquired in 2004.

Title and Ownership Rights

We hold the concessions comprising the Velardeña Properties through our wholly-owned Mexican subsidiary Minera William S.A. de C.V. At present, a total of 30 mineral concessions comprise the Velardeña Properties. The Velardeña Properties encompass approximately 895 hectares. The mineral concessions vary in size, and the concessions comprising each mineral property are contiguous within each of the Velardeña and Chicago properties. We are required to pay annual concession holding fees to the Mexican government to maintain our rights to the Velardeña mining concessions. In 2016, we made such payments totaling approximately \$74,000 and expect to pay approximately \$75,000 in 2017. We also own the surface rights to 144 hectares that contains the oxide plant, tailings area and access to the Chicago mine, along with surface lands that may be required for potential plant expansions.

The Velardeña Properties are subject to the Mexican ejido system requiring us to contract with the local communities, or ejidos, surrounding our properties to obtain surface access rights needed in connection with our mining and exploration activities. We currently have contracts with two ejidos to secure surface rights for our Velardeña Properties with a total annual cost of approximately \$25,000. We have a ten-year contract with the Velardeña ejido, which provides surface rights to certain roads and other infrastructure at the Velardeña Properties through 2021, and a 25-year contract with the Vista Hermosa ejido, which provides exploration access and access rights for roads and utilities for our Velardeña Properties until 2038.

The following Velardeña Properties exploitation concessions are identified below by name and number in the Federal government Public Registry of Mining.

Mine/Area	Name of Exploitation Concession	Concession Number
Velardeña	AMPL. DEL ÁGUILA MEXICANA	85580
	ÁGUILA MEXICANA	168290
	LA CUBANA	168291
	TORNASOL	168292
	SAN MATEO NUEVO	171981
	SAN MATEO	171982
	RECUERDO	171983
	SAN LUIS	171984
	LA NUEVA ESPERANZA	171985
	LA PEQUEÑA	171988
	BUEN RETIRO	172014
	UNIFICACIÓN SAN JUAN EVANGELISTA	172737
	UNIFICACIÓN VIBORILLAS	185900
	BUENAVENTURA No. 3	188507
	EL PÁJARO AZÚL	188508
	BUENAVENTURA 2	191305
	BUENAVENTURA	192126
	LOS DOS AMIGOS	193481
	VIBORILLAS NO. 2	211544
	KELLY	218681
Chicago	SANTA TERESA	171326
	SAN JUAN	171332
	LOS MUERTOS	171986
	EL GAMBUSINO	171987
	AMPLIACIÓN SAN JUAN	183883
	MUÑEQUITA	196313
	SAN AGUSTÍN	210764
	EL PISTACHÓN	220407
	LA CRUZ	189474
	EL MOGOTE FRACCION I	221401

We hold water concessions in wells that provide water for the Velardeña Properties. In Mexico water concessions are granted by the National Commission of Water (“CNA”). Currently no new water concessions are being granted by the CNA; however, companies can acquire water concessions through purchase or lease from current concession holders. We hold title to three wells located near the sulfide plant and hold certificates of registration to three wells located near the oxide plant. We are licensed to pump water from all six wells up to a permitted amount. We are required to make annual payments to the CNA to maintain our rights to these wells. In 2016 we made such payments totaling approximately \$25,000 and expect to pay approximately the same amount in 2017. We are required to pay a fine to the CNA each year if we use

too much water from a particular well or alternatively if we do not use a minimum amount of water from a particular well. During 2016 we did not incur any over usage or under usage fines.

Geology and Mineralization

The Velardeña district is located at the easternmost limit of the Sierra Madre Occidental on the boundary between the Sierra Madre Oriental and the Mesa Central sub-provinces. Both of these terrains are underlain by Paleozoic and possibly Precambrian basement rocks.

The regional geology is characterized by a thick sequence of limestone and minor calcareous clastic sediments of Cretaceous age, intruded by Tertiary plutons of acidic to intermediate composition. During the Laramide Orogeny, the sediments were folded into symmetrical anticlines and synclines that were modified into a series of asymmetrical overturned folds by a later stage of compression.

A series of younger Tertiary stocks have intruded the older Cretaceous limestone over a distance of approximately 15 kilometers along a northeast to southwest trend. The various mineral deposits of the Velardeña mining district occur along the northeast southwest axis and are spatially associated with the intrusions and their related alteration.

An important northwest-southeast fracture system is associated with these intrusions and, in many cases, acts as the main focus of mineralization. The Velardeña Properties are underlain by a thick sequence of limestone that corresponds to rocks of the Aurora and Cuesta del Cura formations of Lower Cretaceous age.

Several types of Tertiary intrusive rocks are present in the Velardeña district. The largest of these rocks outcrops on the western flank of the Sierra San Lorenzo and underlies a portion of the Velardeña Properties. It is referred to as the Terneras pluton and forms a northeast oriented, slightly elongated body, considered to represent a diorite or monzodiorite that outcrops over a distance of about 2.5 kilometers. The adjacent limestone has been altered by contact metamorphism (exoskarn), and locally the intrusive has been metamorphosed (endoskarn).

The following is a description of the individual geological characteristics and mineralization found on each of the properties comprising the Velardeña and Chicago mines.

Velardeña Mine

The Santa Juana, Terneras, San Juanes and San Mateo vein deposits on the Velardeña property are hosted by Aurora Formation limestone, the Terneras intrusion and related skarn. The limestone is intruded by a series of multiphase diorite or monzodiorite stocks (Terneras intrusion) and dikes of Tertiary age that outcrop over a strike length of approximately 2.5 kilometers.

Two main vein systems are present on the Velardeña property. The first is a northwest striking system as found in the Santa Juana deposit, while the second is east-west trending and is present in the Santa Juana, Terneras, San Juanes and San Mateo deposits.

In the Santa Juana deposit, two main sets of vein trends are observed. The most significant is a steeply northeast dipping, northwest trending set that has acted as the main conduit for the mineralizing fluids in the Santa Juana deposit. This direction includes both linear and curved northwest vein sets.

The Terneras, San Juanes and San Mateo veins all strike east-west and dip steeply north. The most extensive of these is the Terneras vein, which was mined in the past over a strike length of 1,100 meters. All of these veins are observed to have extensive strike lengths and vertical continuity for hundreds of meters. The mineralogy of the east west system is somewhat different in that it contains less arsenic than the northwest Santa Juana veins.

Mineralization in the deposits located at the Velardeña mine belongs primarily to epithermal calcite quartz veins with associated lead, zinc, silver, gold and copper mineralization, typical of the polymetallic vein deposits of northern Mexico. The veins are usually thin, normally in the 0.2 meter to 0.5 meter range, but consistent along strike and down dip. Coxcomb and rhythmically banded textures are common.

Chicago Mine

On the Chicago property, the oldest rocks outcropping are Cretaceous limestone of the Aurora Formation which are highly folded. This limestone is locally metamorphosed by the intrusion of the Tertiary dioritic stocks and dykes. The general geology of the Chicago property is very similar to the geology of the Velardeña property. The Chicago veins strike northeast and dip steeply southeast. Chicago ore tends to be higher in lead and zinc than the Santa Juana ore. Vein widths at Chicago are variable and tend to be narrower than at the Santa Juana deposit, especially in the skarn host.

2014 Technical Report

During the first quarter of 2015, the engineering firm of Tetra Tech completed an estimate of mineralized material at the Velardeña Properties, set forth in the following table:

Mineralized Material	Tonnes (in thousands)	Silver (Ag) Grade (Grams per tonne)	Gold (Au) Grade (Grams per tonne)	Lead (Pb) Grade %	Zinc (Zn) Grade %
Mineralized Material at December 31, 2014					
Velardeña Mine					
Oxide and mixed	572	295	4.1	1.34	1.07
Sulfide	1,032	274	3.9	1.11	1.42
Chicago Mine					
Oxide and mixed	91	208	3.2	3.77	2.8
Sulfide	98	165	2.8	2.97	3.49
Total Mineralized Material at December 31, 2014	1,793	272	3.8	1.42	1.49

Note: Results may not tie precisely due to rounding.

The Tetra Tech mineralized material estimate assumed a silver price of \$25 per troy ounce, a gold price of \$1,446 per troy ounce, and a cutoff grade of a net smelter return (“NSR”) of \$100 per tonne.

The following table shows the commodity prices and metallurgical recoveries used to determine the cutoff grade.

Metal	Metal Prices*	Sulfide Metallurgical Recovery %	Oxide Metallurgical Recovery %	Mixed Metallurgical Recovery %
Silver	\$ 25 (oz)	89	68	50
Gold	\$ 1,446 (oz)	68	71	29
Lead	\$ 0.96 (lb)	83	—	25
Zinc	\$ 0.91 (lb)	83	—	37

* Amounts represent three-year average prices.

The cutoff grade of \$100 NSR per tonne of mineralized material was determined by adding the estimated average costs of mining (\$53 per tonne), processing (\$27 per tonne) and general and administration (\$20 per tonne). The average cost estimates are the same for both the Velardeña and Chicago mines. The NSR value of mineralized material was determined for each type of mineralized material (sulfide, mixed, and oxide) by multiplying a fractional factor that represents an estimated combination of metallurgical recovery, treatment charges, penalties and payment terms by the unit value of each metal and then multiplying by the expected amount of that metal in each block of inventoried material.

The following table shows the reduction in mineralized material reported in the Tetra Tech report that resulted from extraction and processing of mineralized material in 2015. As a result of the shutdown of mining and processing in November 2015, there are no results for 2016.

Mineralized Material	Tonnes (in thousands)	Gold (Au) Grade (Grams per tonne)	Contained Gold (Au) oz.	Silver (Ag) Grade (Grams per tonne)	Contained Silver (Ag) oz. (in thousands)	Lead (Pb) Grade %	Contained Lead (Pb) lbs. (in thousands)	Zinc (Zn) Grade %	Contained Zinc (Zn) lbs. (in thousands)
Mineralized Material at December 31, 2014									
<u>Velardeña Mine</u>									
Oxide and mixed	572	4.1	74,780	295	5,425	1.34	16,898	1.07	13,493
Sulfide	1,032	3.9	127,741	274	9,101	1.11	25,254	1.42	32,307
<u>Chicago Mine</u>									
Oxide and mixed	91	3.2	9,362	208	609	3.77	7,563	2.8	5,617
Sulfide	98	2.8	8,822	165	520	2.97	6,417	3.49	7,540
Total Mineralized Material at December 31, 2014	1,793	3.8	220,406	272	15,655	1.42	56,132	1.49	58,958
2015 Extraction									
<u>Velardeña Mine</u>									
Oxide and mixed	—	—	—	—	—	—	—	—	—
Sulfide	76	2.6	6,371	156	383	0.8	1,343	1.09	1,839
<u>Chicago Mine</u>									
Oxide and mixed	—	—	—	—	—	—	—	—	—
Sulfide	5	1.9	310	117	19	2	220	2.82	311
Total Tonnes Extracted in 2015	81	2.6	6,681	154	401	0.87	1,564	1.2	2,150
Metal loss adjustments during 2015									
<u>Velardeña Mine</u>									
Oxide and mixed	—	—	—	—	—	—	—	—	—
Sulfide	—	—	(3,063)	—	(290)	—	(522)	—	(547)
<u>Chicago Mine</u>									
Oxide and mixed	—	—	—	—	—	—	—	—	—
Sulfide	—	—	(140)	—	(8)	—	(107)	—	(74)
Total Tonnes Extracted in 2015	—	—	(3,203)	—	(297)	—	(629)	—	(621)
Mineralized Material at December 31, 2015									
<u>Velardeña Mine</u>									
Oxide and mixed	572	4.1	74,780	295	5,425	1.34	16,898	1.07	13,493
Sulfide	956	3.9	118,308	274	8,429	1.11	23,389	1.42	29,921
<u>Chicago Mine</u>									
Oxide and mixed	91	3.2	9,362	208	609	3.77	7,563	2.8	5,617
Sulfide	93	2.8	8,372	165	493	2.97	6,089	3.49	7,155
Total Mineralized Material at December 31, 2015	1,712	3.8	210,522	272	14,956	1.43	53,940	1.49	56,187

Note: Results may not tie precisely due to rounding. Additionally, silver ounces, zinc pounds and leads pounds are rounded to the nearest thousand and gold ounces are rounded to the nearest ounce and tonnes. The variance in rounding different commodities and units is for convenience and does not reflect any differences in the level of accuracy of the calculated mineralized material estimate.

For further detail regarding mineralized material, see “CAUTIONARY STATEMENT REGARDING MINERALIZED MATERIAL”.

Velardeña Properties Activities

In 2016 we incurred approximately \$2.0 million in expenses related to shut down costs and maintenance at our Velardeña Properties as a result of the suspension of mining and processing activities in November 2015 and expect to incur approximately \$0.4 million in quarterly holding costs for as long as mining and processing activities remain suspended. We retained a core group of employees, most assigned to operate the oxide plant that is leased to a third party and not affected by the shutdown. The retained employees also include an exploration group and an operations and administrative group to continue to advance our plans in Mexico, oversee corporate compliance activities, and to maintain and safeguard the longer term value of the Velardeña assets.

In July 2015 we entered into a leasing agreement with a wholly-owned subsidiary of Hecla Mining Company to lease our Velardeña oxide plant for an initial term of 18 months beginning July 1, 2015. During the third quarter 2016 Hecla exercised its right to extend the initial 18-month term for six additional months until June 30, 2017, as permitted under the original lease agreement. As contemplated by the original agreement, the Company and Hecla also reached an agreement regarding an expansion of the tailings impoundment, at Hecla's cost, to accommodate Hecla's use of tailings capacity in excess of an agreed amount while preserving flexibility for future tailings expansions. The agreed expansion is estimated to cost approximately \$1.5 million, and we have obtained the necessary permits for such expansion. The parties agreed that Hecla would either leave unused at the end of the lease term an agreed amount of capacity in the expanded tailings facility, or construct an additional expansion at its cost. In connection with their agreement regarding tailings impoundment expansions, the parties agreed that Hecla has the right to extend the lease for an additional 18 months following June 30, 2017, or until December 31, 2018.

Hecla is responsible for ongoing operation and maintenance of the oxide plant. During the year ended December 31, 2016, Hecla processed approximately 136,000 tonnes of material through the oxide plant, resulting in total revenues to us of approximately \$6.4 million, comprised of approximately \$3.0 million for direct plant charges plus fixed fees and other net reimbursable costs totaling approximately \$3.4 million. We incurred costs of approximately \$2.0 million related to the services we provide under the lease for a net margin of \$4.4 million during 2016. Hecla reached its intended processing throughput of approximately 400 tonnes per day during 2016 and, at this rate, net cash payments to us, net of reimbursable costs, should total approximately \$0.4 million per month, including variable and fixed fees, or nearly \$5.0 million annually.

Mining and Processing

There were no mining or processing activities, other than the Hecla lease, at our Velardeña Properties in 2016 as a result of the shutdown of the mining and sulfide processing activities in November 2015. During 2015 the processing facilities generated approximately 465,000 payable silver equivalent ounces, including approximately 327,000 ounces of silver and 1,975 ounces of gold, and sold approximately 494,000 silver equivalent ounces. Silver equivalent ounces include silver and gold but exclude lead and zinc and are calculated at a ratio of 70 silver ounces to 1 gold ounce. Also, during 2015 the processing facilities generated approximately 1.1 million pounds of payable lead and 1.2 million pounds of payable zinc. Full year 2015 cash costs were \$22.16 per payable silver ounce net of by-product credits. “Cash costs per payable silver ounce, net of by-product credits” is a non-GAAP financial measure defined below in “Item 7 —*Non-GAAP Financial Measures*”.

The following table shows actual silver, gold and silver equivalent payables for 2015 until we suspended mining and sulfide processing in mid-November 2015. As a result of the shutdown of mining and processing in November 2015, there are no results for 2016.

	<u>Payable Metal</u>
	<u>2015</u>
Silver (oz)	326,651
Gold (oz)	1,976
Silver equivalent (AgEq)(oz)(3)	464,971

Note: Equivalents calculated at 70:1 silver to gold.

The table below sets forth the mining and processing statistics of our Velardeña Properties for 2015 until we suspended mining and sulfide processing in November 2015. As a result of the shutdown of mining and processing in November 2015, there are no results for 2016.

	The Year Ended December 31, 2015
Tonnes Milled	
(includes stockpiles)	
Oxide plant	—
Sulfide plant	80,736
	<u>80,736</u>
Combined plant grades	
(Grams per tonne)	
Silver	160
Gold	2.63
Combined plant recovery (3)	
Silver	78.7 %
Gold	28.9 %
Contained Metals (3)	
(includes stockpiles)	
Silver ounces	351,228
Gold ounces	2,270
Silver equivalent ounces (70:1)	510,128
Lead - pounds (000)	1,238
Zinc - pounds (000)	1,455
Payable Metals (3)	
(includes stockpiles)	
Silver ounces	326,651
Gold ounces	1,976
Silver equivalent ounces (70:1)	464,971
Lead - pounds (000)	1,107
Zinc - pounds (000)	1,216
Products sold	
Doré - kilograms	—
Precipitate - kilograms	45
Lead concentrates - tonnes	2,087
Zinc concentrates - tonnes	1,430
Pyrite concentrates - tonnes	633
Copper concentrates - tonnes	—
Payable metals in products sold	
Silver ounces	346,369
Gold ounces	2,114
Silver equivalent ounces (70:1)	494,349
Lead - pounds (000)	1,165
Zinc - pounds (000)	1,321

Note: Current payable metals and recoveries include final metal settlements pertaining to sales of previously reported payable metals.

The following table shows the recovery rates for silver, gold, lead and zinc at each of our processing facilities for 2015. As a result of the shutdown of mining and processing in November 2015, there are no results for 2016.

	<u>2015</u>
Oxide plant recovery	
Silver	—%
Gold	—%
Sulfide plant recovery	
Silver	78.7%
Gold	28.9%
Lead	70.2%
Zinc	57.2%

Environmental Matters and Permitting

We hold environmental licenses and environmental impact assessments that allow us to run our mines, plants and tailing facilities at our Velardeña Properties. We are required to update our environmental licenses and environmental impact assessments for expansion of or modification to any of the existing two processing plants. The construction of new infrastructure beyond the current plant facilities also would require additional permitting, which could include environmental impact assessments and land use permits. We are currently finalizing obtaining all permits necessary for expansion of the tailings disposal facility at our oxide plant to accommodate additional capacity required for production by the plant lessee.

Certain Laws Affecting Mining in Mexico

Mexico, officially the United Mexican States, is a federal constitutional republic in North America and bordered by the United States of America, Belize and Guatemala. Mexico is a federal democratic republic with 31 states and one Federal District, which is Mexico City. Each state has its own constitution and its citizens elect a governor, as well as representatives, to their respective state congresses. The President of Mexico is the head of the executive federal government. Executive power is exercised by the President, while legislative power is vested in the two chambers of the Congress of the Union. The three constitutional powers are the Judiciary, the Executive and the Legislature which are independent of each other.

Legislation Affecting Mining

The Mining Law, originally published in 1992 and amended in 1996, 2005, 2006 and 2014, is the primary legislation governing mining activities in Mexico. Other significant legislation applicable to mining in Mexico includes the regulations to the Mining Law, the Federal Law of Waters, the Federal Labour Law, the Federal Law of Fire Arms and Explosives, the General Law on Ecological Balance and Environmental Protection and regulations, the Federal Law of Duties and the Federal Law on Metrology and Standards.

The Concession System

Under Mexican law, mineral deposits are property of the Mexican republic, and a mining concession, granted by the executive branch of the federal government, is required for the exploration, exploitation and processing of mineral deposits. Mining concessions may only be granted to Mexican individuals domiciled in Mexico or companies incorporated and validly existing under the laws of Mexico. Mexican companies that have foreign shareholders must register with the

National Registry of Foreign Investments and renew their registration on an annual basis. Mining concessions grant rights to explore and exploit mineral deposits but do not grant surface rights over the land where the concession is located. Mining concession holders are required to negotiate surface access with the land owner or holder (e.g., agrarian communities) or, should such negotiations prove unsuccessful, file an application with the corresponding administrative authority (Ministry of Economy or Ministry of Agrarian-Territorial-Urban Development) to obtain an easement, temporary occupancy, or expropriation of the land, as the case may be. An application for a concession must be filed with the Mining Agency or Mining Delegation located closest to the area to which the application relates.

Mining concessions have a term of 50 years from the date on which title is recorded in the Public Registry of Mining. Holders of mining concessions are required to comply with various obligations, including the payment of certain mining duties based on the number of hectares of the concession and the number of years the concession has been in effect. Failure to pay the mining duties can lead to cancellation of the relevant concession. Holders of mining concessions are also obliged to carry out and prove assessment works in accordance with the terms and conditions set forth in the Mining Law and its regulations. The regulations to the Mining Law establish minimum amounts that must be spent or invested on mining activities. A report must be filed in May of each year regarding the assessment works carried out during the preceding year. The mining authorities may impose a fine on the mining concession holder if one or more proof of assessment work reports is not timely filed.

Pursuant to amendments to the federal corporate income tax law, effective January 2014, additional duties are imposed on mining concession holders; see “—*Taxes in Mexico*”.

Environmental Legislation

Mining projects in Mexico are subject to Mexican federal, state and municipal environmental laws and regulations for the protection of the environment. The principal legislation applicable to mining projects in Mexico is the federal General Law of Ecological Balance and Environmental Protection, which is enforced by the Federal Bureau of Environmental Protection, commonly known as “PROFEPA”. PROFEPA is the federal entity in charge of carrying out environmental inspections and negotiating compliance agreements. Voluntary environmental audits, coordinated through PROFEPA, are encouraged under the federal General Law of Ecological Balance and Environmental Protection. PROFEPA monitors compliance with environmental legislation and enforces Mexican environmental laws, regulations and official standards. If warranted, PROFEPA may initiate administrative proceedings against companies that violate environmental laws, which proceedings may result in the temporary or permanent closure of non-complying facilities, the revocation of operating licenses and/or other sanctions or fines. According to the Federal Criminal Code, PROFEPA must inform the relevant governmental authorities of any environmental crimes that are committed by a mining company in Mexico.

Concession holders under the exploration stage may submit themselves to comply with the Mexican Official Norm: NOM-120-SEMARNAT-1997, which provides, among other things, that mining exploration activities to be carried out within certain areas must be conducted in accordance with the environmental standards set forth in NOM-120-SEMARNAT-1997; otherwise, concession holders are required to file a preventive report or an environmental impact study prior to the commencement of the exploration, exploitation and processing of mineral resources. An environmental impact study is required for exploitation and processing of mineral resources activities.

In 2014 Mexico developed an Energy sector applicable to private investment companies whereby new mining concessions are now subject to prior approval from the Ministry of Energy. Current mining concessions forming the Velardeña Properties are not subject to or affected by this approval requirement, but any new mining concessions acquired will be subject to this additional approval.

Taxes in Mexico

Mexico has a federal corporate income tax rate of 30%, and there are no state taxes on corporate net income. In determining their corporate income tax, entities are allowed to subtract from gross income various deductions permitted by law, and they are allowed a ten-year carry-forward of net operating losses. Pursuant to amendments to the federal tax laws effective January 1, 2014, a 10% withholding tax is charged on dividends distributed to shareholders, regardless of the tax residence of the recipient, out of after tax profits. However, in the case of nonresident shareholders the limitations and tax rates provided in the treaties to avoid double taxation will prevail. A foreign resident company is subject to income tax if it has a permanent establishment in Mexico. In general, a permanent establishment is a place of business where the activities of an enterprise are totally or partially carried out and includes, among others, offices, branches and mining sites.

Mexico has several taxes in addition to income tax that are relevant to most business operations, including (i) the Value Added Tax (“VAT”); (ii) import duties; (iii) various payroll taxes; (iv) statutorily entitled employee profit sharing (“PTU”); and (v) mining duties and royalties. In addition, annual mining concession fees are charged by the government.

VAT in Mexico is charged upon alienation of goods, performance of independent services, grant of temporary use or exploitation of goods, or import of goods or services that occur within Mexico’s borders, at a rate of 16%. There is no VAT in the case of export of goods or services or for the sale of gold, jewelry, and gold metalwork with a minimum gold content of 80%, excluding retail sale to the general public. The sale of mining concessions is subject to VAT as concessions are not considered to be land. VAT paid by a business enterprise on its purchases and expenses may usually be credited against its liability for VAT collected from customers on its own sales. In addition, VAT may also be refunded, or overpayments may be used to offset tax liabilities arising from other federal taxes.

Import duties apply for goods and services entering the country, unless specifically exempted due to a free trade agreement or registered under specific programs like IMMEX, under which we are currently registered. Payroll taxes are payable in most states including Durango and Coahuila, and social security, housing and pension contributions must be made to the federal government when paying salaries.

Employees of Mexico entities are statutorily entitled to a portion of the employer’s pre-tax profits, called PTU. The rate of profit sharing is currently 10% of the employer’s taxable income as defined by the Income Tax law. A taxpayer may reduce its income tax base by an amount equal to the PTU. Certain companies are exempt from paying PTU, which include companies in the extractive industry (principally the mining industry) during the period of exploration.

Under the 2014 amendments to the federal corporate income tax law, titleholders of mining concessions are required to pay an annual special duty of 7.5% of their mining related profits, determined by deducting from mining related revenues certain specified types of cash expenditures. Payment of the special duty is due at the end of March each year.

Titleholders of mining concessions also are required to pay a 0.5% special mining duty, or royalty, on an annual basis, on revenues obtained from the sale of silver, gold and platinum. Similar to the 7.5% annual special duty, the 0.5% duty is due at the end of March each year.

El Quevar

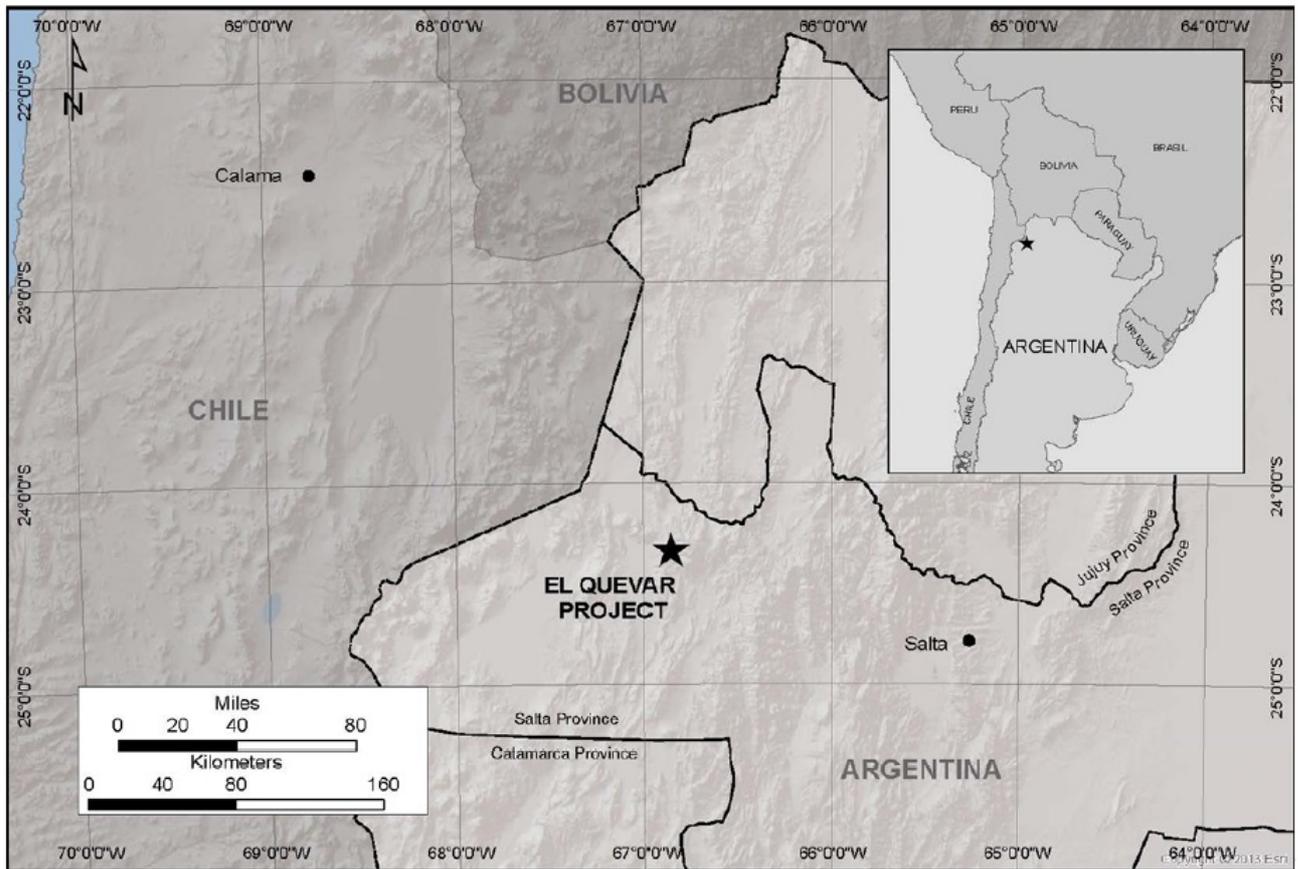
Location and Access

Our El Quevar silver project is located in the San Antonio de los Cobres municipality, Salta Province, in the altiplano region of northwestern Argentina, approximately 300 kilometers by road northwest of the city of Salta, the capital city of the province. The project is also accessible by a 300 kilometer dirt and gravel road from the city of Calama in northern Chile. The small village of Pocitos, located about 20 kilometers to the west of El Quevar, is the nearest settlement. We have established a camp approximately 10 kilometers west of the project to house project workers. A high tension

power line is located approximately 40 kilometers from the site, and a high pressure gas line devoted to the mining industry and subsidized by the Salta government is located within four kilometers of the El Quevar camp.

The El Quevar project is located near Nevado Peak with altitudes at the concessions ranging from 3,800 to 6,130 meters above sea level. The climate of the area is high mountain desert, with some precipitation in summer (such as snow) and little snow in winter.

The following map shows the location of the El Quevar project.



Property History

Mining activity in and around the El Quevar project dates back at least 80 years. Between 1930 and 1950, there was lead and silver extraction of mineralized materials from small workings in the area, but we have no mining records from that period. The first organized exploration activities on the property occurred during the 1970s, although no data from that period remains. Over the last 30 years, several companies have carried out exploration activity in the area, including BHP Billiton, Industrias Peñoles, Mansfield Minerals and Hochschild Mining Group, consisting primarily of local sampling with some limited drilling programs.

Title and Ownership Rights

According to Argentine law, mineral resources are subject to regulation in the provinces where the resources are located. Each province has the authority to grant mining exploration permits and mining exploitation concession rights to applicants. The Federal Congress has enacted the National Mining Code and other substantive mining legislation, which is applicable throughout Argentina; however, each province has the authority to regulate the procedural aspects of the National Mining Code and to organize the enforcement authority within its own territory.

In the province of Salta, where the El Quevar project is located, all mining concessions are granted by a judge in the Salta Mining Court. The El Quevar project is comprised of exploitation concessions. Exploitation concessions are subject to a canon payment fee (maintenance fee) which is paid in advance twice a year (before June 30th and December 31st of each calendar year). Each time a new mining concession is granted, concession holders are exempt from the canon payment fee for a period of three years from the concession grant date. However, this exemption does not apply to the grant of vacant exploitation concessions; only to the grant of new mining concessions.

The El Quevar project is currently comprised of 31 mining concessions we hold directly. In total, the El Quevar project encompasses approximately 57,000 hectares. The area of most of our exploration activities at El Quevar is within the concessions that are owned by Silex Argentina S.A., our wholly-owned subsidiary.

We are required to pay a 1% net smelter return royalty on the value of all minerals extracted from the El Quevar II concession and a 1% net smelter return royalty on one-half of the minerals extracted from the Castor concession to the third party from whom we acquired these concessions. We can purchase one half of the royalty for \$1 million in the first two years of production. The Yaxtché deposit is located primarily on the Castor concession. We are also required to pay a 3% royalty to the Salta Province based on the mine mouth value of minerals extracted from any of our concessions. To maintain all of the El Quevar concessions, we paid canon payment fees to the Argentine government of approximately \$40,000 and \$112,000 in 2015 and 2016, respectively. In 2017 we expect to pay approximately \$115,000.

The following El Quevar mine concessions are identified below by name and file number in the Salta Province Registry of Mines.

Name of Mine Concession	Concession File Number
Quevar II	17114
Quirincolo I	18036
Quirincolo II	18037
Castor	3902
Vince	1578
Armonia	1542
Quespejahuar	12222
Toro I	18332
Quevar Primera	19534
Quevar Novena	20215
Quevar Decimo Tercera	20501
Quevar Tercera	19557
Quevar Vigésimo Tercero	21043
Quevar 10	20219
Quevar Vigésimo Primera	20997
Quevar Vigésimo Septima	22403
Quevar IV	19558
Quevar Vigésimo Cuarto	21044
Quevar 11	20240
Quevar Quinta	19617
Quevar 12	20360
Quevar Decima Quinta	20445
Quevar Sexta	19992
Quevar 19	20706
Quevar Vigésimo Sexta	22087
Quevar Vigésimo Segundo	21042
Quevar Séptima	20319
Quevar Veinteava	20988
MARIANA CANTERA	15190
Arjona	18080
Quevar Vigésimo Quinto	21054

The surface rights at El Quevar are controlled by the Salta Province. There are no private properties within the concession area. To date, no issues involving surface rights have impacted the project. Although we have unrestricted access to our facilities, we have been granted easements to further protect our access rights.

Geology and Mineralization

The geology of the El Quevar project is characterized by silver-rich veins and disseminations in Tertiary volcanic rocks that are part of an eroded stratovolcano. Silver mineralization at El Quevar is hosted within a broad, generally east-west-trending structural zone and occurs as a series of north-dipping parallel sheeted vein zones, breccias and mineralized

faults situated within an envelope of pervasively silicified brecciated volcanic rocks. There are at least three sub-parallel structures that extend for an aggregate length of approximately 6.5 kilometers. Several volcanic domes (small intrusive bodies) have been identified and mineralization is also found in breccias associated with these domes, especially where they are intersected by the structures. The silver mineralization at the Yaxtché zone is of epithermal origin. The cross-cutting nature of the mineralization, the assemblage of sulfide and alteration minerals, and the presence of open spaces with euhedral minerals, all point to an origin at shallow to moderate depths (a few hundred meters below surface) from hydrothermal solutions.

2012 Technical Report

During 2012 RungePincocKMinarco (“RPM”) completed an updated estimate of mineralized material at our El Quevar project. This SEC Industry Guide 7 estimate assumed mining of oxide material from an open pit on the east end of the Yaxtché deposit and sulfide material from both the open pit and an underground mine on the western portion of the Yaxtché deposit. According to the RPM estimate, based on results from 270 core drill holes, mineralized material in the Yaxtché zone, at a cut-off grade of 26 grams per tonne silver for the open pit and 100 grams per tonne silver for underground material, and using a three-year average silver price of \$24.41 per ounce, was as follows:

Tonnes (000s)	Average silver grade (grams/tonne)
6,024	147.5

The RPM estimate includes a smaller tonnage of mineralized material in the possible open pit at a higher likely grade as compared to the technical report prepared by RPM pursuant to Canadian National Instrument 43-101 (“43-101”). In the RPM report pursuant to 43-101, RPM used inferred resources beneficially to the possible operation in the optimization of a resource level open pit. When preparing its mineralized material estimate under Industry Guide 7, RPM did not use the inferred resources calculated pursuant to 43-101 to beneficially optimize the pit. As such, optimization without the benefit of inferred material yielded a smaller tonnage of mineralized material in the possible open pit at a higher likely grade as compared to the RPM report pursuant to 43-101.

For further detail regarding mineralized material, see “CAUTIONARY STATEMENT REGARDING MINERALIZED MATERIAL”.

Exploration and Advancement of El Quevar

The Yaxtché deposit is the primary target currently identified at the El Quevar project. We believe that the El Quevar deposit may be amenable to bulk mining, which could include an open pit on the eastern and central areas of the Yaxtché deposit and bulk underground mining in the western area. Our work indicates that the Yaxtché deposit is at least 2 kilometers in strike length and is continuous laterally and to depths of more than 300 meters below surface in the main area. More recent results also support a possible eastward extension of the Yaxtché deposit and recognize an emerging new mineralized trend five kilometers north of the Yaxtché deposit. We continue to hold our El Quevar property on care and maintenance until we can fund further exploration ourselves or find a partner to fund further exploration. We have completed environmental baseline studies, and a further environmental impact assessment process would be required to support the permits necessary for construction and mining. If the El Quevar project proceeds to development and construction, we would be required to obtain numerous additional permits from national, provincial and municipal authorities in Argentina.

We spent approximately \$1.1 million and \$0.5 million at our El Quevar project on holding and maintenance costs in 2015 and 2016, respectively. From the inception of our exploration activities in 2004 through December 31, 2016 we have spent approximately \$75.8 million on exploration and related activities at El Quevar. In 2017 we expect to spend approximately \$0.5 million at our El Quevar project on maintenance and holding costs.

Exploration Properties

In addition to El Quevar, we currently control a portfolio of approximately 10 exploration properties located primarily in certain traditional precious metals producing regions of Mexico. We do not consider any of our exploration properties to be material, including those noted below.

In 2017 we plan to focus our exploration efforts primarily on the Santa Maria mine located in the Parral District in Chihuahua State and the Rodeo property located west of the Velardeña Properties in Durango. During 2017 we expect our expenditures for the exploration program to total approximately \$1.8 million, with approximately \$0.3 million in property holding costs in Mexico and approximately \$0.5 million in administrative and general reconnaissance costs in Mexico.

Santa Maria

In August 2014, we entered into an option agreement giving us the right to acquire for \$1.2 million the Santa Maria mine, a privately held property comprised of a single mining claim of 18 hectares west of Hildalgo de Parral, Chihuahua State, Mexico. During the first two quarters of 2016 we mined approximately 4,500 tonnes of material as a bulk sample with grades of approximately 235 gpt silver and 0.7 gpt gold. This material was substantially lower in grade than material mined in 2015 from the same vein. We processed the bulk sample through a toll milling facility, generating approximately 100 tonnes of concentrates containing approximately 22,000 ounces of silver and 44 ounces of gold. The concentrates were sold to a third party for approximately \$300,000 during the first two quarters of 2016 consisting of approximately 21,000 payable ounces of silver and 40 payable ounces of gold, which offset exploration costs. The average grade of 7,500 tons mined and processed in bulk samples since 2015 is 338 gpt silver and 0.7 gpt gold.

The option agreement requires an additional approximately \$0.9 million to be paid to acquire 100% of the Santa Maria property. Minimum payments of \$0.1 million are due every six months in April and October and the minimum payments for 2017 have already been paid to the property owner. Until the total due under the option agreement has been paid, the property owners have the right to 50% of any net profits from mining activities at the property, after reimbursement of all costs incurred by the Company since April 2015, to the extent that such net profit payments exceed the minimum payments.

In February 2017 a PEA was completed on our behalf by Tetra Tech based on an updated estimate of mineralized material. The PEA presents a base case assessment of developing Santa Maria's mineral deposit. The PEA contemplates a 38-month underground mining operation at a mining rate of 200 tonnes per day using a combination of cut and fill and other mining techniques, and custom milling at a local third-party flotation mill. Based on the assumptions in the PEA, we believe there may be potential to develop a small mining operation at Santa Maria.

In 2017 we plan to continue work related to optimizing mining plans for the project and obtaining permits for the potential mining operation as considered in the current PEA. Permit applications have been submitted and are pending comment and acceptance. We are also developing plans for additional exploration work to potentially expand the deposit. However, no development decision has been made with respect to the project.

Rodeo

We acquired the Rodeo and Rodeo 2 claims comprising 1,866 hectares 80 kilometers west of the Velardeña Properties in Durango, Mexico where previous exploration by other companies has identified a gold-bearing epithermal system exposed at the surface. In June 2016 we began a 2,080 meter core drilling program at the Rodeo property at a cost of approximately \$0.4 million. The results from the program show a gold and silver bearing epithermal vein and breccia system with encouraging gold and silver values over an approximate 50 to 70 meter true width. The system is exposed at the top of a northwesterly striking ridge and dips steeply to the northeast over about one kilometer of strike length.

During January 2017, Tetra Tech completed an estimate of mineralized material at the Rodeo deposit based on two different operating scenarios. The first operating scenario reflects a smaller amount of higher grade material and estimated mineralized material of 0.4 million tonnes containing 3.3 gpt gold and 11 gpt silver. We believe this material, as currently identified, could provide additional mined material for our Velardeña oxide mill following the completion of the Hecla lease, currently set to expire no later than December 31, 2018. This scenario provides a potentially shorter time to processing with lower capital costs since we already own the mill, located within trucking distance of the Rodeo property. The second operating scenario reflects a larger amount of lower grade material and estimated mineralized material of 3.6 million tonnes containing 0.8 gpt gold and 12 gpt silver. The second mineralized material estimate envisions a standalone heap leach operation, depending on leachability of the material and development and operating costs.

In 2017 we plan to continue work related to metallurgical studies, economic evaluation and potential resource expansion.

Celaya Farm-out

In August 2016, our wholly owned Mexican subsidiary entered into an earn-in agreement with a 100% owned Mexican subsidiary of Electrum Global Holdings, L.P., a privately owned company (together “Electrum”), related to our Celaya exploration property in Mexico. We received an upfront payment of \$0.2 million and Electrum has agreed to incur exploration expenditures totaling at least \$0.5 million within the first year of the agreement, reduced by certain costs Electrum previously incurred on the property since December 2015 in its ongoing surface exploration program. Electrum, at its option, can elect to acquire an undivided 60% interest in a joint venture company to be formed to hold the Celaya project after incurring exploration expenditures totaling \$2.5 million during the first three years of the agreement. Electrum would serve as manager of the joint venture. If we elect not to contribute to additional exploration or development expenditures after the initial earn-in period, Electrum, at its option, would have the right to earn an additional 20% interest in the Celaya project, for a total interest of 80%, by incurring an additional \$2.5 million of exploration or development expenditures over a second three-year period. Following the second earn-in period we would have the right to maintain our 20% interest or our interest ultimately could be converted into a 10% net profits interest.

The 6,200-hectare silver and gold Celaya project contains a strongly developed alteration system on the main Mexico silver belt trend, located 10 kilometers east of Plata Latina’s Naranjillo silver and gold discovery and 45 kilometers southeast of and on trend with the historic Guanajuato District. We have conducted mapping and sampling activities at Celaya since 2012. We completed a 2,000 meter, three-hole drilling program in 2015 that identified epithermal gold and silver mineralization beneath a portion of the widespread clay-silica alteration on the claims comprising the project.

Electrum Global Holdings’ Mexican subsidiary, Minera Adularia, has conducted extensive geologic mapping and sampling on the Celaya property. New targets have been identified and exploration drilling to test these targets began in January 2017.

Farm-outs, Royalties and Other Dispositions

Exploration properties that we choose not to advance are evaluated for joint venture, sale of all or a partial interest and royalty potential. We currently have minority ownership interests and/or royalties in or have disposed of the following properties that were once part of our exploration portfolio:

- Zacatecas. On April 28, 2016, we entered into an option agreement under which Santa Cruz Silver Mining Ltd. (“Santa Cruz”) may acquire our interest in certain nonstrategic mineral claims located in the Zacatecas Mining District, Zacatecas, Mexico (the “Zacatecas Properties”) for a series of payments totaling \$1.5 million. Santa Cruz paid the Company \$0.2 million on signing the agreement and an additional \$0.2 million in October 2016. In order to maintain its option and acquire the Zacatecas Properties, Santa Cruz is required to pay additional amounts of \$0.3 million, \$0.3 million and \$0.5 million due 12, 18 and 24 months after

signing, respectively. Santa Cruz has the right to terminate the option agreement at any time, and the agreement will terminate if Santa Cruz fails to make a payment when due.

- San Luis del Cordero. We commenced a \$0.6 million exploration drilling program in the first quarter 2016 at the Santa Rosa vein in the San Luis del Cordero project in Durango State, Mexico. The 20 hole, 4,600 meter drilling program was completed in June 2016, and we received drill results from that program in July. Based on our evaluation of those July results, we concluded that further work on this project was not likely to meet our near-term objectives and we terminated the farm-in arrangement for the property in August 2016.
- San Diego Exploration Property. On August 2, 2016, we sold our remaining 50% interest in the San Diego property in Mexico to Golden Tag Resources, Ltd (“Golden Tag”), which held the other 50% interest in the property, for approximately \$379,000 in cash and 2,500,000 common shares of Golden Tag. Pursuant to the sales agreement, Golden Tag will be required to pay us a 2.0% net smelter return royalty in respect to the San Diego property. We now hold 7,500,000 common shares of Golden Tag, representing approximately 10% of its outstanding common shares.
- Sale of Mining Equipment. On August 8, 2016, we sold certain mining equipment to Minera Indé, an indirect subsidiary of The Sentient Group (Sentient”), a related party, for \$687,000. The equipment sold was excess equipment held at our Velardeña Properties that we did not expect to use. We received \$69,000 or 10% of the sales price at the closing of the sale, with the remaining \$618,000 plus interest on the unpaid balance at an annual rate of 10% to be due in February 2017. We expect to amend the original equipment sale in February 2017 to include the sale of an additional piece of excess equipment for \$185,000. Upon execution of the amendment we expect to receive an additional payment of \$100,000, and the remaining principal and interest balance as of February 2017 of \$737,000, plus additional interest on the unpaid balance at an annual rate of 10%, would be due in August 2017.
- Zacatecas Royalty (Mexico). With respect to certain concessions in a portion of our Zacatecas project in Mexico sold to a subsidiary of Capstone Mining Corp. in 2009, we are entitled to a net smelter return of 1.5% on the first one million tonnes of production, and a 3% net smelter return on production in excess of one million tonnes. The net smelter return on production in excess of one million tonnes escalates by 0.5% for each \$0.50 increment in copper price above \$3.00 per pound of copper. There is currently no production on these concessions.
- Fortuna Royalty (Peru). We are entitled to a net smelter return of 2.5% from a mining claim in Peru we sold to Compañía Minera Fortuna in August 2012. There is currently no production related to this claim.

Executive Officers of Golden Minerals

<u>Name</u>	<u>Age</u>	<u>Position</u>
Warren M. Rehn	62	President and Chief Executive Officer
Robert P. Vogels	59	Senior Vice President and Chief Financial Officer

Warren M. Rehn. Mr. Rehn was appointed President of our company in May 2015 and appointed Chief Executive Officer and director in September 2015. Mr. Rehn previously served as Senior Vice President, Exploration and Chief Geologist since December 2012 and served as Vice President, Exploration and Chief Geologist since February 2012. From 2006 until February 2012, Mr. Rehn held various positions at Barrick Gold Exploration, Inc., serving most recently as Chief Exploration Geologist for the Bald Mountain and Ruby Hill mining units. From 2005 until 2007, Mr. Rehn was a consulting geologist for Gerson Lehman Group, which provides consulting services to various industries, including geology and mining. Mr. Rehn served as a Consulting Senior Geologist at Placer Dome Exploration, Inc. in 2004 and as

an independent consulting geologist throughout the Americas from 1994 until 2003. He served as a Senior Geologist at Noranda Exploration, Inc. from 1988 until 1994. Mr. Rehn holds an M.S. in Geology from the Colorado School of Mines and a B.S. in Geological Engineering from the University of Idaho.

Robert P. Vogels. Mr. Vogels was named Senior Vice President and Chief Financial Officer in March 2009. Mr. Vogels served as Controller of Apex Silver from January 2005 to March 2009 and was named Vice President in January 2006. Prior to joining Apex Silver, Mr. Vogels served as corporate controller for Meridian Gold Company from January 2004 until December 2004. He served as the controller of INCO Limited's Goro project in New Caledonia from October 2002 to January 2004. Prior to joining INCO, Mr. Vogels worked from 1985 through October 2002 for Cyprus Amax Minerals Company, which was acquired in 1999 by Phelps Dodge Corp. During that time, he served in several capacities, including as the controller for its El Abra copper mine in Chile from 1997 until March 2002. Mr. Vogels began his career in public accounting as a CPA. He holds a B.Sc. in accounting and an MBA degree from Colorado State University.

Board of Directors of Golden Minerals

Name	Age	Occupation
Jeffrey G. Clevenger	67	Chairman
Warren M. Rehn	62	President and Chief Executive Officer, Company
W. Durand Eppler (1),(3)	63	Managing Director, Headwaters MB
Ian Masterton-Hume (2)	66	Corporate Director and Member, Sentient Business Council
Kevin R. Morano (2),(3)	63	Managing Principal, KEM Capital LLC
Terry M. Palmer (1),(3)	72	Retired Certified Public Accountant
Andrew N. Pullar	45	Chief Executive Officer and Director, The Sentient Group
David H. Watkins (1),(2)	72	Director, Commander Resources Ltd. Euro Resources S.A.

Committee Membership

- | | |
|-----|-------------------------------------|
| (1) | Audit |
| (2) | Compensation |
| (3) | Corporate Governance and Nominating |

Metals Market Overview

We are an emerging precious metals exploration company with silver and gold mining properties in Mexico and a large silver advanced exploration project in Argentina. Descriptions of the markets for these metals are provided below.

Silver Market

Silver has traditionally served as a medium of exchange, much like gold. Silver's strength, malleability, ductility, thermal and electrical conductivity, sensitivity to light and ability to endure extreme changes in temperature combine to make it a widely used industrial metal. While silver continues to be used as a form of investment and a financial asset, the principal uses of silver are industrial, primarily in electrical and electronic components, photography, jewelry, silverware, batteries, computer chips, electrical contacts, and high technology printing. Silver's anti-bacterial properties also make it valuable for use in medicine and in water purification. Additionally, the use of silver in the photovoltaic and solar panel industries is growing rapidly, and new uses of silver are being developed in connection with the use of superconductive wire and radio frequency identification devices.

Most silver product is obtained from mining in which silver is not the principal or primary product. The Silver Institute, an international silver industry association, noted that for 2014 only around 31% of output came from so-called primary silver mines, where silver is the main source of revenue.

The following table sets forth for the periods indicated on the London Fix high and low silver fixes in U.S. dollars per troy ounce. On February 24, 2017, the closing price of silver was \$18.27 per troy ounce.

Year	Silver	
	High	Low
2010	\$ 30.70	\$ 15.14
2011	\$ 48.70	\$ 26.16
2012	\$ 37.23	\$ 26.67
2013	\$ 32.23	\$ 18.61
2014	\$ 22.05	\$ 15.28
2015	\$ 18.23	\$ 13.71
2016	\$ 20.71	\$ 13.58
2017*	\$ 18.27	\$ 15.95

* Through February 24, 2017.

Gold Market

Gold has two main categories of use: fabrication and investment. Fabricated gold has a variety of end uses, including jewelry, electronics, dentistry, industrial and decorative uses, medals, medallions and official coins. Gold investors buy gold bullion, official coins and jewelry. The supply of gold consists of a combination of production from mining and the draw-down of existing stocks of gold held by governments, financial institutions, industrial organizations and private individuals.

The following table sets forth for the periods indicated on the London Fix PM high and low gold fixes in U.S. dollars per troy ounce. On February 24, 2017, the closing price of gold was \$1,254 per troy ounce.

Year	Gold	
	High	Low
2010	\$ 1,420	\$ 1,058
2011	\$ 1,895	\$ 1,319
2012	\$ 1,792	\$ 1,540
2013	\$ 1,694	\$ 1,192
2014	\$ 1,385	\$ 1,142
2015	\$ 1,296	\$ 1,049
2016	\$ 1,366	\$ 1,077
2017*	\$ 1,254	\$ 1,146

* Through February 24, 2017.

Employees

We currently have approximately 160 employees, including six in Golden, approximately 130 in Torreón, Mexico or at the Velardeña Properties (including approximately 70 assigned to the oxide plant which is leased to a third party), three in Argentina in connection with the El Quevar project, and approximately 21 in various foreign exploration offices.

Competition

There is aggressive competition within the mining industry for the acquisition of a limited number of mineral resource opportunities, and many of the mining companies with which we compete have greater financial and technical resources than we do. Accordingly, these competitors may be able to spend greater amounts on acquisitions of mineral properties of merit, as well as on exploration and advancement of their mineral properties. We also compete with other mining companies for the acquisition and retention of skilled mining engineers, mine and processing plant operators and mechanics, geologists, geophysicists and other experienced technical personnel. Our competitive position depends upon our ability to successfully and economically advance new and existing silver and gold properties. Failure to achieve and maintain a competitive position could adversely impact our ability to obtain the financing necessary for us to advance our mineral properties.

Available Information

We make available, free of charge through our website at www.goldenminerals.com, our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), as soon as reasonably practicable after such material is electronically filed with or furnished to the SEC. Information on our website is not incorporated into this annual report on Form 10-K and is not a part of this report. Additionally, the public may read and copy any materials we file with the SEC at the SEC's Public Reference Room at 100 F Street, NE, Washington, DC 20549. The SEC also maintains an Internet site that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC at <http://www.sec.gov>.

ITEM 1A: RISK FACTORS

Investors in Golden Minerals should consider carefully, in addition to the other information contained in, or incorporated by reference into, this annual report on Form 10-K, the following risk factors:

We have historically incurred operating losses and operating cash flow deficits and we expect to incur operating losses and operating cash flow deficits through 2017; our potential profitability in the foreseeable future would depend on our ability to identify, acquire and mine properties to generate sufficient revenues to fund our continuing activities.

We have a history of operating losses and we expect that we will continue to incur operating losses unless and until such time as our Velardeña Properties, our El Quevar project, or another of our exploration properties, which may include the Santa Maria Mine or the Rodeo property, generates sufficient revenue to fund our continuing business activities. Although we have leased the oxide plant at the Velardeña Properties to a subsidiary of Hecla Mining Company, the cash that we expect will be generated from that lease will be insufficient to fund all of our continuing business activities as currently conducted. In addition, the oxide plant lease may terminate sooner or produce less revenue than we anticipate. There is no assurance that we will develop additional sources of revenue.

In addition, the potential profitability of mining and processing at any of our properties would be based on a number of assumptions. For example, profitability would depend on metal prices, costs of materials and supplies, costs at the mines and processing plants and the amounts and timing of expenditures, including expenditures to maintain our Velardeña Properties, our El Quevar project and to continue exploration at other exploration properties, and potential strategic acquisitions or other transactions, in addition to other factors, many of which are and will be beyond our control. We cannot be certain we will be able to generate sufficient revenue from any source to achieve profitability and eliminate operating cash flow deficits, or to cease to require additional funding.

We may require additional external financing to fund our continuing business activities in the future.

As of December 31, 2016, we had approximately \$2.6 million in cash and cash equivalents. With anticipated costs during 2017, including costs related to shut down and care and maintenance costs at the Velardeña Properties, exploration expenditures, property holding costs at the El Quevar project, and general and administrative expenses, offset by anticipated revenue from the lease of the oxide plant and the sale of non-strategic exploration properties, we expect our current cash and cash equivalent balance to be depleted to approximately \$1.5 million by the end of 2017. Even with the anticipated revenue from the Velardeña oxide lease and potential sale of non-strategic exploration properties throughout 2017, our cash balance in 2017 might not be sufficient to provide adequate cash reserves in the event of variations from anticipated care and maintenance costs at the Velardeña Properties and costs for continued exploration, project assessment, and development at our other exploration properties, including Santa Maria and Rodeo, requiring us to seek additional funding from equity or debt or from monetization of non-core assets.

Other than our ATM Program (discussed in more detail below) for which the amount of funds raised thereby is uncertain, we do not have a credit, off-take or other commercial financing arrangement in place that would finance our general and administrative costs and other working capital needs to fund our continuing business activities in the future, and we believe that securing credit for these purposes may be difficult given our limited history and the continuing volatility in global credit and commodity markets. In addition, commercial financing arrangements may not be available on favorable terms or on terms that would not further restrict our flexibility and ongoing ability to meet our cash requirements over a reasonable period of time. Access to public financing has been negatively impacted by the volatility in the credit markets and metals prices, which may affect our ability to obtain equity or debt financing in the future and, if obtained, to do so on favorable terms. We also may not be able to obtain funding by monetizing additional non-core exploration or other assets at an acceptable price. We cannot assure you that we will be able to obtain financing to fund our general and administrative costs and other working capital needs to fund our continuing business activities in the future on favorable terms or at all.

Hecla may terminate the oxide plant lease.

In July 2015 we entered into a leasing agreement with a wholly-owned subsidiary of Hecla Mining Company to lease our Velardeña oxide plant for an initial term of 18 months beginning July 1, 2015. During the third quarter 2016 Hecla exercised its right to extend the initial 18-month lease for six additional months until June 30, 2017 and has the right to extend the lease for an additional 18 months following June 30, 2017, or until December 31, 2018. Hecla is responsible for ongoing operation and maintenance of the oxide plant and during the year ended December 31, 2016, Hecla's mining and processing activities resulted in a net margin of \$4.4 million for the Company. Although we intend the oxide plant lease to extend through December 2018, the lease may terminate sooner than we anticipate if Hecla experiences mining problems or delays at its nearby mine, if there are disputes between Hecla and us, or for other reasons. Moreover, the lease payment from Hecla is based, in part, on the amount of ore processed at the plant, and we have no control over their production. There is also no assurance that Hecla will exercise its right to extend the lease for an additional 18 months through December 31, 2018.

The issuance of a significant number of shares of common stock upon the conversion of approximately \$5.1 million of the principal and accrued interest under the Sentient Note resulted in Sentient's ownership increasing from approximately 27% to approximately 46% of the Company's outstanding common stock which resulted in greater control of the Company.

On October 27, 2015, the Company borrowed \$5.0 million from Sentient, the Company's largest stockholder pursuant to the terms of a Senior Secured Convertible Note (the "Sentient Note") and a related loan agreement, with principal and accrued interest due on October 27, 2016. On February 11, 2016, Sentient converted approximately \$3.9 million of principal and \$0.1 million of accrued interest (representing the total amount of accrued interest at the

conversion date) pursuant to the Sentient Note into 23,355,000 shares of the Company's common stock at an exercise price of approximately \$0.172 per share, reflecting 90% of the 15-day volume weighted average price ("VWAP") immediately preceding the conversion date (the "February Conversion"). On June 10, 2016, Sentient converted the remaining approximately \$1.1 million of principal and approximately \$34,000 of accrued interest (representing the total amount of accrued interest at the conversion date) pursuant to the Sentient Note into 4,011,740 shares of the Company's common stock at an exercise price of approximately \$0.289 per share, equal to 90% of the 15-day VWAP immediately preceding the loan's original issue date (the "June Conversion" and together with the February Conversion, the "Conversions").

As a result of the Conversions, Sentient's ownership increased from approximately 27% to approximately 46% of the Company's outstanding common stock. With this increased ownership, Sentient could exert significant control over the Company, including over the election of directors, changes in the size or the composition of the board of directors, and mergers and other business combinations involving the Company. Through greater control of the board of directors and increased voting power, including the potential to prevent a quorum at stockholders meetings, Sentient could control certain decisions, including decisions regarding qualification and appointment of officers, operations of the business including acquisition or disposition of our assets or purchases and sales of mining or exploration properties, dividend policy, and access to capital (including borrowing from third-party lenders and the issuance of equity or debt securities). Sentient's large share ownership will also make it difficult, if not impossible, for the Company to enter into a change of control transaction that may otherwise be beneficial for the Company's other shareholders.

If we commence mining in Mexico, we will likely enter into a collective bargaining agreement with a union that, together with labor and employment regulations, could adversely affect our mining activities and financial condition.

As was the case at our Velardeña Properties, mine employees in Mexico are typically represented by a union, and our relationship with our employees was, and we expect in the future will be, governed by collective bargaining agreements. Any collective bargaining agreement that we enter into with a union is likely to restrict our mining flexibility in and impose additional costs on our mining activities. In addition, relations between us and our employees in Mexico may be affected by changes in regulations or labor union requirements regarding labor relations that may be introduced by the Mexican authorities or by labor unions. Changes in legislation or in the relationship between us and our employees may have a material adverse effect on our mining activities and financial condition.

We may not mine the Velardeña Properties again.

In mid-November 2015, we shut down the mines and sulfide processing plant at our Velardeña Properties and placed them on care and maintenance. Commencing mining again is subject to numerous risks and uncertainties, including:

- whether we are able to create mine plans or gold recovery improvements that can achieve sustainable cash positive results at current and future metals prices;
- unexpected events, including difficulties in maintaining the properties on a care and maintenance basis, potential sabotage or damage to the assets related to the suspension of mining, and variations in ore grade and relative amounts, grades and metallurgical characteristics of oxide and sulfide ores;
- continued decreases or insufficient increases in gold and silver prices to permit us to achieve sustainable cash positive results;
- actual holding and care and maintenance costs resulting from the shutdown exceeding current estimates or including unanticipated costs;
- loss of and inability to adequately replace skilled mining and management personnel;

- strikes or other labor problems; and
- our ability to obtain additional funding for general and administrative costs and other working capital needs to fund our continuing business activities as currently conducted and possibly for a potential restart of our Velardeña Properties.

Based on these risks and uncertainties, there can be no assurance that we will restart mining activities at the Velardeña Properties.

Our ability to successfully conduct mining and processing activities resulting in long-term cash flow and profitability will be affected by changes in prices of silver, gold and other metals.

Our ability to successfully conduct mining and processing activities in Mexico, Argentina or other countries, to establish reserves and advance our exploration properties, and to become profitable in the future, as well as our long-term viability, depend, in large part, on the market prices of silver, gold, zinc, copper and other metals. The market prices for these metals are volatile and are affected by numerous factors beyond our control, including:

- global or regional consumption patterns;
- supply of, and demand for, silver, gold, zinc, lead, copper and other metals;
- speculative activities and hedging activities;
- expectations for inflation;
- political and economic conditions; and
- supply of, and demand for, consumables required for extraction and processing of metals.

The declines in silver and gold prices in 2013, 2014 and 2015 have had a significant impact on our mining activities, resulting in shutdowns in 2013 and 2015 of mining at our Velardeña Properties, and negatively affect mining opportunities at our other properties. Additionally, future weakness in the global economy could increase volatility in metals prices or depress metals prices, which could also affect our mining and processing plans at our Velardeña Properties or make it uneconomic for us to engage in mining or exploration activities. Volatility or sustained price declines may also adversely affect our ability to build or continue our business.

If products are processed from our Velardeña Properties or other mines in the future, they could contain higher than expected contaminants, thereby negatively impacting our financial condition.

In 2015 we processed mined material to make gold and silver bearing lead, zinc and pyrite concentrates. Concentrate treatment charges paid to smelters and refineries include penalties for certain elements, including arsenic and antimony that exceed contract limits. In the future, if we process material from our Velardeña Properties or other mines, any such concentrates could include higher than expected contaminants, which would result in higher treatment expenses and penalty charges that could increase our costs and negatively impact our business, financial condition and results of operations. This could occur due to unexpected variations in the occurrence of these elements in the material mined, problems that occur during blending of material from various locations in the mine prior to processing and other unanticipated events.

The Velardeña Properties, the El Quevar project and our other properties may not contain mineral reserves.

We are considered an exploration stage company under SEC Industry Guide 7, and none of the properties at our Velardeña Properties, the El Quevar project, or any of our other properties have been shown to contain proven or probable mineral reserves. Expenditures made in mining at the Velardeña Properties or the exploration and advancement of our El Quevar project or other properties may not result in positive cash flow or in discoveries of commercially recoverable quantities of ore. Most exploration projects do not result in the discovery of commercially mineable ore deposits, and we cannot assure you that any mineral deposit we identify will qualify as an orebody that can be legally and economically exploited or that any particular level of recovery from discovered mineralization will in fact be realized.

Tetra Tech completed a technical report on our Velardeña Properties, which indicated the presence of mineralized material, and RungePincockMinarco completed a technical report on our El Quevar property, which indicated the presence of mineralized material. Mineralized material figures based on estimates made by geologists are inherently imprecise and depend on geological interpretation and statistical inferences drawn from drilling and sampling that may prove to be unreliable or inaccurate. We cannot assure you that these estimates are accurate or that proven and probable mineral reserves will be identified at the Velardeña Properties, El Quevar or any of our other properties. Even if the presence of reserves is established at a project, the economic viability of the project may not justify exploitation. We have spent significant amounts on the evaluation of El Quevar prior to establishing the economic viability of that project.

Estimates of reserves, mineral deposits and mining costs also can be affected by factors such as governmental regulations and requirements, fluctuations in metals prices or costs of essential materials or supplies, environmental factors, unforeseen technical difficulties and unusual or unexpected geological formations. In addition, the grades of ore or material ultimately mined may differ from that indicated by drilling results, sampling, feasibility studies or technical reports. Short-term factors relating to reserves, such as the need for orderly development of ore bodies or the processing of new or different grades, may also have an adverse effect on mining and on the results of operations. Silver, gold or other minerals recovered in small-scale laboratory tests may not be duplicated in large-scale tests under on-site processing conditions.

The Velardeña Properties, the El Quevar project and our other properties are subject to foreign environmental laws and regulations which could materially adversely affect our business.

We have conducted mining activities in Mexico and conduct mineral exploration activities primarily in Mexico. Mexico and Argentina, where our El Quevar project is located, have laws and regulations that control the exploration and mining of mineral properties and their effects on the environment, including air and water quality, mine reclamation, waste generation, handling and disposal, the protection of different species of flora and fauna and the preservation of lands. These laws and regulations require us to acquire permits and other authorizations for conducting certain activities. In many countries, there is relatively new comprehensive environmental legislation, and the permitting and authorization process may not be established or predictable. We may not be able to acquire necessary permits or authorizations on a timely basis, if at all. Delays in acquiring any permit or authorization could increase the cost of our projects and could suspend or delay the commencement of extraction and processing of mineralized material.

Our Velardeña Properties are subject to regulation by SEMARNAT, the environmental protection agency of Mexico. In order to permit new facilities at or expand existing facilities, regulations require that an environmental impact statement, known in Mexico as a Manifestación de Impacto Ambiental, be prepared by a third-party contractor for submission to SEMARNAT. Studies required to support the Manifestación de Impacto Ambiental include a detailed analysis of soil, water, vegetation, wildlife, cultural resources and socio-economic impacts. The Manifestación is then published on SEMARNAT's web page and in its official gazette in a national and local newspaper. The Manifestación is discussed at various open hearings, including hearings in the local communities, at which third parties may voice their views. We would be required to provide proof of local community support of the Manifestación as a condition to final approval. We may not be able to obtain community support of future projects.

Environmental legislation in Mexico is evolving in a manner which will require stricter standards and enforcement, increased fines and penalties for non-compliance, more stringent environmental assessments of proposed projects, and a heightened degree of responsibility for companies and their officers, directors and employees. For example, in January 2011, Article 180 of the Mexican Federal General Law of Ecological Balance and Environmental Protection was amended. Among other things, this amendment extended the term during which an individual or entity having a legitimate interest may contest administrative acts, including environmental authorizations, permits or concessions granted, without the need to demonstrate the actual existence of harm to the environment, natural resources, flora, fauna or human health, making it sufficient to argue that harm may be caused. Further, the amendment permits the contesting party to challenge a Manifestación de Impacto Ambiental through a variety of administrative or court procedures. As a result of the amendment, more legal actions supported or sponsored by non-governmental groups interested in halting projects may be filed against companies operating in all industrial sectors, including the mining sector. Mexican operations are also subject to the environmental agreements entered into by Mexico, the United States and Canada in connection with the North American Free Trade Agreement. Further, in August 2011, certain amendments to the Civil Federal Procedures Code of Mexico (“CFPC”) were published in the Official Daily of the Federation. The amendments establish three categories of collective actions by which 30 or more people claiming injury resulting from, among other things, environmental harm, will be deemed to have a sufficient and legitimate interest in seeking, through a civil procedure, restitution, economic compensation or suspension of the activities from which the alleged injury derived. These amendments to the CFPC may result in more litigation by plaintiffs seeking remedies for alleged environmental harms, including suspension of the activities alleged to cause harm. Future changes in environmental regulation in the jurisdictions where the Velardeña Properties are located may adversely affect our business, make our business prohibitively expensive, or prohibit it altogether.

Environmental legislation in many other countries, in addition to Mexico, is evolving in a manner that will likely require stricter standards and enforcement, increased fines and penalties for non-compliance, more stringent environmental assessments of proposed projects and a heightened degree of responsibility for companies and their officers, directors and employees. We cannot predict what environmental legislation or regulations will be enacted or adopted in the future or how future laws and regulations will be administered or interpreted. For example, in September 2010, the Argentine National Congress passed legislation which prohibits mining activity in glacial and surrounding areas. Although we do not currently anticipate that this legislation will impact the El Quevar project, the legislation provides an example of the evolving environmental legislation in the areas in which we operate. Compliance with more stringent laws and regulations, as well as potentially more vigorous enforcement policies or regulatory agencies or stricter interpretation of existing laws, may (i) necessitate significant capital outlays, (ii) cause us to delay, terminate or otherwise change our intended activities with respect to one or more projects, or (iii) materially adversely affect our future exploration activities.

The Velardeña Properties and many of our exploration properties are located in historic mining districts where prior owners, including ECU in the case of the Velardeña Properties, may have caused environmental damage that may not be known to us or to the regulators. At the Velardeña Properties and in most other cases, we have not sought complete environmental analyses of our mineral properties. We have not conducted comprehensive reviews of the environmental laws and regulations in every jurisdiction in which we own or control mineral properties. Insurance fully covering many environmental risks (including potential liability for pollution or other hazards as a result of disposal of waste products occurring from exploration and mining) is not generally available. To the extent environmental hazards may exist on the properties in which we currently hold interests, or may hold interests in the future, that are unknown to us at present and that have been caused by us, or previous owners or operators, or that may have occurred naturally, and to the extent we are subject to environmental requirements or liabilities, the cost of compliance with these requirements and satisfaction of these liabilities could have a material adverse effect on our financial condition and results of operations. If we are unable to fully fund the cost of remediation of any environmental condition, we may be required to suspend activities or enter into interim compliance measures pending completion of the required remediation.

In addition, U.S. or international legislative or regulatory action to address concerns about climate change and greenhouse gas emissions could negatively impact our business.

Title to the Velardeña Properties and our other properties and rights may be defective or may be challenged.

Our policy is to seek to confirm the validity of our rights to, title to, or contract rights with respect to, each mineral property in which we have a material interest. However, we cannot guarantee that title to our properties will not be challenged. Title insurance is not available for our mineral properties, and our ability to ensure that we have obtained secure rights to individual mineral properties or mining concessions may be severely constrained. Accordingly, the Velardeña Properties and our other mineral properties may be subject to prior unregistered agreements, transfers or claims, and title may be affected by, among other things, undetected defects. In addition, we may be unable to conduct activities on our properties as permitted or to enforce our rights with respect to our properties, and the title to our mineral properties may also be impacted by state action. We have not conducted surveys of all of the exploration properties in which we hold direct or indirect interests and, therefore, the precise area and location of these exploration properties may be in doubt.

In most of the countries in which we operate, failure to comply with applicable laws and regulations relating to mineral right applications and tenure could result in loss, reduction or expropriation of entitlements, or the imposition of additional local or foreign parties as joint venture partners. Any such loss, reduction or imposition of partners could have a material adverse effect on our financial condition, results of operations and prospects.

Under the laws of Mexico, mineral resources belong to the state, and government concessions are required to explore for or exploit mineral reserves. Mineral rights derive from concessions granted, on a discretionary basis, by the Ministry of Economy, pursuant to the Mexican mining law and regulations thereunder. We hold title to the Velardeña Properties and our other properties in Mexico through these government concessions, but there is no assurance that title to the concessions comprising the Velardeña Properties and other properties will not be challenged or impaired. The Velardeña Properties and other properties may be subject to prior unregistered agreements, interests or native land claims, and title may be affected by undetected defects. There could be valid challenges to the title of any of the claims comprising the Velardeña Properties that, if successful, could impair mining with respect to such properties in the future. A defect could result in our losing all or a portion of our right, title, and interest in and to the properties to which the title defect relates.

Our Velardeña Properties mining concessions and our other mining concessions in Mexico may be terminated if our obligations to maintain the concessions in good standing are not satisfied, including obligations to explore or exploit the relevant concession, to pay any relevant fees, to comply with all environmental and safety standards, to provide information to the Ministry of Economy and to allow inspections by the Ministry of Economy. In addition to termination, failure to make timely concession maintenance payments and otherwise comply strictly with applicable laws, regulations and local practices relating to mineral right applications and tenure could result in reduction or expropriation of entitlements. Additionally, in 2014, new mining concessions became subject to additional review and approval by the Mexico Ministry of Energy.

Mining concessions in Mexico give exclusive exploration and exploitation rights to the minerals located in the concessions but do not include surface rights to the real property, which requires that we negotiate the necessary agreements with surface landowners. Many of our mining properties are subject to the Mexican ejido system requiring us to contract with the local communities surrounding the properties in order to obtain surface rights to land needed in connection with our mining exploration activities. In connection with our Velardeña Properties, we have contracts with two ejidos to secure surface rights with a total annual cost of approximately \$25,000. The first contract is a ten-year contract with the Velardeña ejido, which provides surface rights to certain roads and other infrastructure at the Velardeña Properties through 2021. The second contract is a 25-year contract with the Vista Hermosa ejido signed in March 2013, which provides exploration access and access rights for roads and utilities for our Velardeña Properties. Our inability to maintain and periodically renew or expand these surface rights on favorable terms or otherwise could have a material adverse effect on our business and financial condition.

Mining and processing activities are dependent on the availability of sufficient water supplies to support our mining activities.

Mining and processing at the Velardeña Properties, as at most mines, requires significant amounts of water. At the Velardeña Properties, our ability to have sufficient water is dependent on our ability to maintain our water rights and claims. Water is provided for all of the mines comprising our Velardeña Properties by wells located in the valley adjacent to the Velardeña Properties. We hold title to three wells located near the sulfide plant and hold certificates of registration to three wells located near the oxide plant. We are licensed to pump water from all six wells up to a permitted amount. We are currently only using water from the three wells associated with the oxide plant. We are required to make annual payments to the Mexican government to maintain our rights to these wells. We are required to pay a fine to the Mexican Government each year if we use too much water from a particular well or alternatively if we do not use a minimum amount of water from a particular well. In addition to these fines, the Mexican Government reserves the right to cancel our title to the wells for abuse of these rules.

We currently have a sufficient amount of water for the third party processing activities at the oxide plant. However, if we began processing material from both the sulfide and oxide plants in the future, we may face shortages in our water supply, and therefore will need to obtain water from outside sources at higher costs. The loss of some or all water rights for any of our wells, in whole or in part, or shortages of water to which we have rights would require us to seek water from outside sources at higher costs and could require us to curtail or shut down mining and processing in the future. Laws and regulations may be introduced in the future which could limit our access to sufficient water resources in mining activities, thus adversely affecting our business.

There are significant hazards involved in underground mining and processing activities at our Velardeña Properties, not all of which are fully covered by insurance. To the extent we must pay the costs associated with such risks, our business may be negatively affected.

The mining and processing of the underground mines at our Velardeña Properties, as well as the conduct of our exploration programs that frequently require rehabilitation of and drilling in underground mine workings, are subject to numerous risks and hazards, including, but not limited to, environmental hazards, industrial accidents, encountering unusual or unexpected geological formations, formation pressures, cave-ins, underground fires or floods, power outages, labor disruptions, seismic activity, rock bursts, accidents relating to historical workings, landslides and periodic interruptions due to inclement or hazardous weather conditions. These occurrences could result in damage to, or destruction of, mineral properties or processing facilities, personal injury or death, environmental damage, reduced extraction and processing and delays in mining, asset write-downs, monetary losses and possible legal liability. Although we maintain insurance against risks inherent in the conduct of our business in amounts that we consider reasonable, this insurance contains, as in the case of our Velardeña Properties, exclusions and limitations on coverage, and will not cover all potential risks associated with mining and exploration activities, and related liabilities might exceed policy limits. As a result of any or all of the forgoing, particularly if the facilities are older, we could incur significant liabilities and costs that could adversely affect our results of operation and financial condition.

Our Velardeña Properties and most of our exploration properties are located in Mexico and are subject to various levels of political, economic, legal and other risks.

Our Velardeña Properties are located in Mexico, and, as such, are exposed to various levels of political, economic, legal and other risks and uncertainties, including local acts of violence, such as violence from drug cartels; military repression; extreme fluctuations in currency exchange rates; high rates of inflation; labor unrest; the risks of war or civil unrest; expropriation and nationalization; renegotiation or nullification of existing concessions, licenses, permits and contracts; illegal mining; acts of political corruption; changes in taxation policies; restrictions on foreign exchange and repatriation; and changing political conditions, currency controls and governmental regulations that favor or require the awarding of contracts to local contractors or require foreign contractors to employ citizens of, or purchase supplies from, a particular jurisdiction. Furthermore, given the uncertainties surrounding the policies of the new US Administration, the

political relationship between the United States and Mexico may deteriorate, creating further political risk of doing business in Mexico.

In the past, Mexico has been subject to political instability, changes and uncertainties, which have resulted in changes to existing governmental regulations affecting mineral exploration and mining activities. Mexico's status as a developing country may make it more difficult for us to obtain any required funding for our Velardeña Properties or other projects in Mexico in the future.

Our Mexican properties are subject to a variety of governmental regulations governing health and worker safety, employment standards, waste disposal, protection of historic and archaeological sites, mine development, protection of endangered and protected species, purchase, storage and use of explosives and other matters. Specifically, our activities related to the Velardeña Properties are subject to regulation by SEMARNAT, the Comision Nacional del Agua, which regulates water rights, and Mexican mining laws. Mexican regulators have broad authority to shut down and levy fines against facilities that do not comply with regulations or standards.

Our Velardeña Properties and mineral exploration activities in Mexico may be adversely affected in varying degrees by changing government regulations relating to the mining industry or shifts in political conditions that increase the costs related to our mining and exploration activities or the maintenance of our properties. For example, in January 2014, amendments to the Mexico federal corporate income tax law require titleholders of mining concessions to pay annually a 7.5% duty of their mining related profits and a 0.5% duty on revenues obtained from the sale of gold, silver and platinum that were effective March 2015. These additional duties applicable to Mexico mining concession titleholders will have a significant impact on the annual costs applicable to the Velardeña Properties if we have mining related profits or significant revenues in the future.

Changes, if any, in mining or investment policies, changes or increases in the legal rights of indigenous populations or in the difficulty or expense of obtaining rights from them that are necessary for our Velardeña Properties or shifts in political attitude may adversely affect our business and financial condition. Our mining and exploration activities may be affected in varying degrees by government regulations with respect to restrictions on extraction, price controls, export controls, currency remittance, income and other taxes, expropriation of property, foreign investment, maintenance of claims, environmental legislation, land use, land claims of local people, water use and mine safety. Restart of mining or use of both the oxide and sulfide plant may also require us to assure the availability of adequate supplies of water and power, which could be affected by government policy and competing businesses in the area. The occurrence of these various factors and uncertainties cannot be accurately predicted and could have an adverse effect on our mining and exploration activities and financial condition.

Future changes in applicable laws and regulations or changes in their enforcement or regulatory interpretation could negatively impact current or planned exploration or mining activities at our Velardeña Properties or in respect of any of our other projects in Mexico or with which we become involved in Mexico. Any failure to comply with applicable laws and regulations, even if inadvertent, could result in the interruption of mining and exploration or material fines, penalties or other liabilities.

Most of our costs are subject to exchange control policies, the effects of inflation and currency fluctuations between the U.S. dollar and the Mexican peso.

Our revenue and external funding are primarily denominated in U.S. dollars. However, mining, processing, maintenance and exploration costs at the Velardeña Properties and most of our exploration properties are denominated principally in Mexican pesos. These costs principally include electricity, labor, water, maintenance, local contractors and fuel. When inflation in Mexico increases without a corresponding devaluation of the Mexican peso, our financial position, results of operations and cash flows could be adversely affected. The annual inflation rate in Mexico was 3.2% in 2016, 2.1% in 2015 and 4.1% in 2014. At the same time, the peso has been subject to significant fluctuation, which may not have been proportionate to the inflation rate and may not be proportionate to the inflation rate in the future. The value of the

peso decreased by 19% in 2016, decreased by 17% in 2015 and decreased by 13% in 2014. In addition, fluctuations in currency exchange rates may have a significant impact on our financial results. There can be no assurance that the Mexican government will maintain its current policies with regard to the peso or that the peso's value will not fluctuate significantly in the future. We cannot assure you that currency fluctuations, inflation and exchange control policies will not have an adverse impact on our financial condition, results of operations, earnings and cash flows.

If we are unable to obtain all of our required governmental permits or obtain property rights on favorable terms or at all, our business could be negatively impacted.

Future mining and current processing at our Velardeña Properties, the continued evaluation of the El Quevar project and other exploration activities will require additional permits from various governmental authorities. Our business is and will continue to be governed by laws and regulations governing mining, exploration, prospecting, exports, taxes, labor standards, occupational health, waste disposal, toxic substances, land use, environmental protection, mine safety, mining royalties and other matters. We may also be required to obtain certain property rights to access or use our properties. Obtaining or renewing licenses and permits, and acquiring property rights, can be complex and time-consuming processes. There can be no assurance that we will be able to acquire all required licenses, permits or property rights on reasonable terms or in a timely manner, or at all, and that such terms will not be adversely changed, that required extensions will be granted, or that the issuance of such licenses, permits or property rights will not be challenged by third parties. Delays in obtaining or a failure to obtain any licenses, permits or property rights or any required extensions; challenges to the issuance of licenses, permits or property rights, whether successful or unsuccessful; changes to the terms of licenses, permits or property rights; or a failure to comply with the terms of any licenses, permits or property rights that have been obtained could have a material adverse effect on our business by delaying, preventing or making future mining and processing at our Velardeña Properties and other continued processing activities economically unfeasible. U.S. or international legislative or regulatory action to address concerns about climate change and greenhouse gas emissions could also negatively impact our business. While we will continue to monitor and assess any new policies, legislation or regulations regarding such matters, we currently believe that the impact of such legislation on our business will not be significant.

We depend on the services of key executives.

Our business strategy is based on leveraging the experience and skill of our management team. We are dependent on the services of key executives, including Warren Rehn and Robert Vogels. Due to our relatively small size, the loss of any of these persons or our inability to attract and retain additional highly skilled employees may have a material adverse effect on our business and our ability to manage and succeed in our mining and exploration activities.

The exploration of our mineral properties is highly speculative in nature, involves substantial expenditures and is frequently non-productive.

Mineral exploration is highly speculative in nature and is frequently non-productive. Substantial expenditures are required to:

- establish mineral reserves through drilling and metallurgical and other testing techniques;
- determine metal content and metallurgical recovery processes to process metal from the ore;
- determine the feasibility of mine development and production; and
- construct, renovate or expand mining and processing facilities.

If we discover a deposit or ore at a property, it usually takes several years from the initial phases of exploration until production is possible. During this time, the economic feasibility of a project may change because of increased costs,

lower metal prices or other factors. As a result of these uncertainties, we may not successfully acquire additional mineral rights, or our exploration programs may not result in proven and probable reserves at all or in sufficient quantities to justify developing the El Quevar project or any of our exploration properties.

The decisions about future advancement of exploration projects may be based on feasibility studies, which derive estimates of mineral reserves, operating costs and project economic returns. Estimates of economic returns are based, in part, on assumptions about future metal prices and estimates of average cash operating costs based upon, among other things:

- anticipated tonnage, grades and metallurgical characteristics of ore to be mined and processed;
- anticipated recovery rates of silver and other metals from the ore;
- cash operating costs of comparable facilities and equipment; and
- anticipated climatic conditions.

Actual cash operating costs, production and economic returns may differ significantly from those anticipated by our studies and estimates.

Lack of infrastructure could forestall or prevent further exploration and advancement.

Exploration activities, as well as any advancement activities, depend on adequate infrastructure. Reliable roads, bridges, power sources and water supply are important factors that affect capital and operating costs and the feasibility and economic viability of a project. Unanticipated or higher than expected costs and unusual or infrequent weather phenomena, or government or other interference in the maintenance or provision of such infrastructure, could adversely affect our business, financial condition and results of operations.

Our exploration activities are in countries with developing economies and are subject to the risks of political and economic instability associated with these countries.

We currently conduct exploration activities almost exclusively in countries with developing economies, including Argentina and Mexico. These countries and other emerging markets in which we may conduct business have from time to time experienced economic or political instability. We may be materially adversely affected by risks associated with conducting exploration activities in countries with developing economies, including:

- political instability and violence;
- war and civil disturbance;
- acts of terrorism or other criminal activity;
- expropriation or nationalization;
- changing fiscal, royalty and tax regimes;
- fluctuations in currency exchange rates;
- high rates of inflation;

- uncertain or changing legal requirements respecting the ownership and maintenance of mineral properties, mines and mining activities, and inconsistent or arbitrary application of such legal requirements;
- underdeveloped industrial and economic infrastructure;
- corruption; and
- unenforceability of contractual rights.

Changes in mining or investment policies or shifts in the prevailing political climate in any of the countries in which we conduct exploration activities could adversely affect our business.

We conduct our business in countries that may be adversely affected by changes in the local government's policies toward or laws governing the mining industry.

We have exploration activities primarily in Mexico and Argentina. In these regions there exist uncertainties regarding future changes in applicable law related to mining and exploration. For instance, in January 2014, amendments to the Mexico federal corporate income tax law require titleholders of mining concessions to pay annually a 7.5% duty of their mining related profits and a 0.5% duty on revenues obtained from the sale of gold, silver and platinum that were effective March 2015. These additional duties applicable to Mexico mining concession titleholders will have a significant impact on the annual costs applicable to the Velardeña Properties if we have mining related profits or significant revenues in the future.

Additionally, effective January 2015, the Argentina National Mining Code was amended, increasing the annual canon payment by approximately four times. In 2015 and 2016, our annual canon fees payable to the Argentine government was \$40,000 and \$112,000 respectively, and we expect to pay approximately \$115,000 in 2017.

In addition to the risk of increased transaction costs, we do not maintain political risk insurance to cover losses that we may incur as a result of nationalization, expropriation or similar events in Mexico or Argentina where we explore or have mining and processing activities.

We compete against larger and more experienced companies.

The mining industry is intensely competitive. Many large mining companies are primarily makers of precious or base metals and may become interested in the types of deposits on which we are focused, which include silver, gold and other precious metals deposits or polymetallic deposits containing significant quantities of base metals, including zinc, lead and copper. Many of these companies have greater financial resources, experience and technical capabilities than we do. We may encounter increasing competition from other mining companies in our efforts to acquire mineral properties and hire experienced mining professionals. Increased competition in our business could adversely affect our ability to attract necessary capital funding or acquire suitable mining properties or prospects for mineral exploration in the future.

We are dependent on information technology systems, which are subject to certain risks, including cybersecurity risks and data leakage risks.

We are dependent upon information technology systems in the conduct of our business. Any significant breakdown, invasion, virus, cyber attack, security breach, destruction or interruption of these systems by employees, others with authorized access to our systems, or unauthorized persons could negatively impact our business. To the extent any invasion, cyber attack or security breach results in disruption to our business, loss or disclosure of, or damage to, our data or confidential information, our reputation, business, results of operations and financial condition could be materially adversely affected. Our systems and insurance coverage for protecting against cyber security risks may not be sufficient.

Although to date we have not experienced any material losses relating to cyber attacks, we may suffer such losses in the future. We may be required to expend significant additional resources to continue to modify or enhance our protective measures or to investigate and remediate any information security vulnerabilities.

The existence of a significant number of warrants may have a negative effect on the market price of our common stock.

In connection with our financing in May 2016, we issued five year warrants to acquire 6,000,000 shares of our common stock at \$0.75 per share expiring in May 2021. In connection with our financing in September 2014, we issued five year warrants to acquire 4,746,000 shares of our common stock at \$1.21 per share expiring in September 2019. In connection with our financing in September 2012, we issued five year warrants to purchase 3,431,649 shares of our common stock at an exercise price of \$8.42 per share expiring September 2017. Pursuant to the anti-dilution clauses in the September 2012 and 2014 warrant agreements, the exercise price of the warrants has been adjusted downward as a result of the subsequent issuance of the Company's common stock in separate transactions, including pursuant to our ATM Program, the May 2016 financing, the September 2014 financing and the conversion of the Sentient Note. As a result of these transactions, the number of shares of common stock issuable upon exercise of the September 2012 warrants was increased from the original 3,431,649 shares to 6,150,963 shares (2,719,314 share increase) and the exercise price was reduced from the original \$8.42 per share to \$4.70 per share. The number of shares of common stock issuable upon exercise of the September 2014 warrants was increased from the original 4,746,000 shares to 5,460,612 shares (714,612 share increase) and the exercise price was reduced from the original \$1.21 per share to \$0.87 per share. The existence of securities available for exercise and resale is referred to as an "overhang," and, particularly if the warrants are "in the money," the anticipation of potential sales could exert downward pressure on the market price of our common stock.

Failure to meet the maintenance criteria of the NYSE MKT may result in the delisting of our common stock, which could result in lower trading volumes and liquidity, lower prices of our common shares and make it more difficult for us to raise capital.

Our common stock is listed on the NYSE MKT, and we are subject to its continued listing requirements, including maintaining certain share prices and a minimum amount of shareholders equity. The market price of our common stock has been and may continue to be subject to significant fluctuation. If we are unable to comply with the NYSE MKT continued listing requirements, including its trading price requirements, our common stock may be suspended from trading on and/or delisted from the NYSE MKT. Alternatively, in order to avoid delisting by the NYSE MKT, we may be required to effect a reverse split of our common stock. Although we have not been notified of any delisting proceedings, there is no assurance that we will not receive such notice in the future or that we will be able to then comply with NYSE MKT listing standards. The delisting of our common stock from the NYSE MKT may materially impair our stockholders' ability to buy and sell our common stock and could have an adverse effect on the market price of, and the efficiency of the trading market for, our common stock. In addition, the delisting of our common stock could significantly impair our ability to raise capital.

If our common stock were delisted and determined to be a "penny stock," a broker-dealer could find it more difficult to trade our common stock and an investor may find it more difficult to acquire or dispose of our common stock in the secondary market.

If our common stock were removed from listing on the NYSE MKT, it may be subject to the so-called "penny stock" rules. The SEC has adopted regulations that define a "penny stock" to be any equity security that has a market price per share of less than \$5.00, subject to certain exceptions, such as any securities listed on a national securities exchange. For any transaction involving a "penny stock," unless exempt, the rules impose additional sales practice requirements on broker-dealers, subject to certain exceptions. If our common stock were delisted and determined to be a "penny stock," a broker-dealer may find it more difficult to trade our common stock and an investor may find it more difficult to acquire or dispose of our common stock on the secondary market. These factors could significantly negatively affect the market price of our common stock and our ability to raise capital.

ITEM 1B: UNRESOLVED STAFF COMMENTS

None.

ITEM 3: LEGAL PROCEEDINGS

None.

ITEM 4: MINE SAFETY DISCLOSURES

Not applicable.

PART II**ITEM 5: MARKET FOR REGISTRANT’S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES**

Our common stock began trading on the NYSE MKT under the symbol “AUMN” on March 19, 2010. The following table sets forth the high and low sales prices per share and volume traded on the NYSE MKT from January 1, 2015 through December 31, 2016.

	High	Low	Volume Traded (shares)
2015			
First Quarter	\$ 0.67	\$ 0.39	6,947,400
Second Quarter	\$ 0.49	\$ 0.32	4,651,700
Third Quarter	\$ 0.42	\$ 0.23	5,637,700
Fourth Quarter	\$ 0.41	\$ 0.19	6,150,200

	High	Low	Volume Traded (shares)
2016			
First Quarter	\$ 0.68	\$ 0.13	16,384,800
Second Quarter	\$ 0.94	\$ 0.31	45,674,400
Third Quarter	\$ 1.16	\$ 0.66	53,664,500
Fourth Quarter	\$ 0.84	\$ 0.58	27,452,000

Our common stock is also listed on the Toronto Stock Exchange, also referred to as the “TSX”, and trades under the symbol “AUMN”. The following table sets forth the high and low sales prices per share expressed in Canadian dollars and volume traded on the TSX from January 1, 2015 through December 31, 2016.

	High (Cdn\$)(1)	Low (Cdn\$)(1)	Volume Traded (shares)
2015			
First Quarter	\$ 0.82	\$ 0.44	917,000
Second Quarter	\$ 0.64	\$ 0.36	249,900
Third Quarter	\$ 0.51	\$ 0.31	435,600
Fourth Quarter	\$ 0.47	\$ 0.26	825,800

	High (Cdn\$)(1)	Low (Cdn\$)(1)	Volume Traded (shares)
2016			
First Quarter	\$ 0.93	\$ 0.19	1,543,600
Second Quarter	\$ 1.22	\$ 0.42	5,822,300
Third Quarter	\$ 1.51	\$ 0.88	5,043,100
Fourth Quarter	\$ 1.10	\$ 0.77	2,239,400

(1) Prices are in Canadian dollars.

As of February 24, 2017, we had 209 record holders of our common stock of record based upon the stockholders list provided by our transfer agent, Computershare Trust Company, N.A.

Dividends

We have not declared or paid any cash dividends on our common stock and do not anticipate paying any cash dividends on our common stock in the foreseeable future. We currently intend to retain all future earnings, if any, to fund the growth of our business.

ITEM 6: SELECTED CONSOLIDATED FINANCIAL DATA

The selected consolidated financial data for all periods presented has been derived from our audited financial statements for that period. Our financial statements are reported in U.S. dollars and have been prepared in accordance with generally accepted accounting principles in the United States. The following selected consolidated financial data should be read in conjunction with the consolidated financial statements and the related notes thereto and “Management’s Discussion and Analysis of Financial Condition and Results of Operations” included in this Form 10-K.

	The Year Ended December 31,				
	2016	2015	2014	2013	2012
(in thousands, except per share amounts)					
Statement of Operations:					
Revenue	\$ 6,400	\$ 8,071	\$ 235	\$ 10,680	\$ 26,086
Net Loss(1)	\$ (10,659)	\$ (25,383)	\$ (18,823)	\$ (240,380)	\$ (92,025)
Net Loss per common share	\$ (0.13)	\$ (0.48)	\$ (0.41)	\$ (5.61)	\$ (2.45)
	At December 31,				
	2016	2015	2014	2013	2012
Balance Sheet Data:					
Total assets	\$ 14,008	\$ 17,001	\$ 41,258	\$ 54,881	\$ 348,102
Long term liabilities	\$ 4,398	\$ 2,840	\$ 4,334	\$ 2,655	\$ 49,524
Dividends:					
Cash dividends declared per common share	\$ —	\$ —	\$ —	\$ —	\$ —

(1) The year ended December 31, 2015 includes a \$13.2 million impairment of long-lived assets charge. The impairment charge is related to our Velardeña Properties in Mexico and is the result of the shutdown of mining and sulfide processing at the Velardeña Properties in November 2015, which was an event requiring an assessment of the recoverability of the Velardeña Properties assets. There were no such charges during the year ended December 31, 2016. The year ended December 31, 2013 includes a \$244.0 million impairment of long-lived assets charge and an \$11.7 million impairment of goodwill charge. Both charges are related to our Velardeña Properties in Mexico and are the result of a significant decrease in metals prices during 2013 and the shutdown of mining and processing at the Velardeña Properties at the end of the second quarter 2013, which were events requiring an assessment of the recoverability of the Velardeña Properties assets. The year ended December 31, 2012 includes a \$58.5 million impairment of goodwill charge related to our Velardeña Properties in Mexico and is the result of an approximately 20% decrease in our forecast of future gold and silver prices and certain assumptions related to ore processing throughput rates and other aspects of the long-term mining plan.

ITEM 7: MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

You should read the following discussion and analysis of our financial condition and results of operations together with our financial statements and related notes beginning on page F-1 in this annual report on Form 10-K. This discussion and analysis contains forward-looking statements that involve risks, uncertainties and assumptions. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of many factors, including those set forth under “Risk Factors” in this annual report on Form 10-K.

Our Company

We were incorporated in Delaware under the Delaware General Corporation Law in March 2009, and are the successor to Apex Silver Mines Limited for purposes of reporting under the Exchange Act. During the year ended December 31, 2016, our only sources of income were revenues from the lease of our oxide plant, sales of non-core assets, and a tax refund received by a Mexican subsidiary. We incurred net operating losses for the years ended December 31, 2016 and 2015.

We remain focused on evaluating and searching for mining opportunities in North America (including Mexico) with near term prospects of mining, and particularly for properties within reasonable haulage distances of our Velardeña Properties. We are also reviewing strategic opportunities, focusing primarily on development or operating properties in North America, including Mexico.

2016 Highlights

Velardeña Oxide Plant Lease Agreement

In July 2015, we leased our Velardeña oxide plant to a wholly-owned subsidiary of Hecla Mining Company for an initial term of 18 months beginning July 1, 2015. During the third quarter 2016 Hecla exercised its right to extend the initial 18-month term for six additional months until June 30, 2017, as permitted under the original lease agreement. As contemplated by the original agreement, the Company and Hecla also reached agreement regarding an expansion of the tailings impoundment, at Hecla’s cost, to accommodate Hecla’s use of tailings capacity in excess of an agreed amount, while preserving flexibility for future tailings expansions. The agreed expansion is estimated to cost approximately \$1.5 million, and Hecla has obtained the necessary permits for such expansion. The parties agreed that Hecla would either leave unused at the end of the lease term an agreed amount of capacity in the expanded tailings facility, or construct an additional expansion at its cost. In connection with their agreement regarding tailings impoundment expansions, the parties agreed that Hecla has the right to extend the lease for an additional 18 months following June 30, 2017, or until December 31, 2018.

Hecla is responsible for ongoing operation and maintenance of the oxide plant. During the year ended December 31, 2016, Hecla processed approximately 136,000 tonnes of material through the oxide plant, resulting in total revenues to us of approximately \$6.4 million, comprised of approximately \$3.0 million for direct plant charges plus fixed fees and other net reimbursable costs totaling approximately \$3.4 million. We incurred costs of approximately \$2.0 million related to the services we provide under the lease for a net margin of \$4.4 million during 2016. Hecla reached its intended processing throughput of approximately 400 tonnes per day during 2016 and, at this rate, net cash payments to us, net of reimbursable costs, should total approximately \$0.4 million per month, including variable and fixed fees, or nearly \$5.0 million annually.

Sentient Loan Financing

On October 27, 2015 the Company closed on and borrowed the entire amount available under a \$5.0 million secured convertible loan (the “Sentient Loan”) from Sentient. The proceeds from the loan enabled us to fund the suspension

of mining and processing activities at the Velardeña Properties and continue our long term business strategy into 2016. At a special meeting of the stockholders held on January 19, 2016 our stockholders approved the issuance of our common stock upon conversion of the Sentient Loan.

In February 2016 Sentient converted \$3.9 million of principal and \$0.1 million of accrued interest under the Senior Secured Convertible Note (the “Sentient Note”) into 23,355,000 shares of our common stock at an exercise price of approximately \$0.172 per share, reflecting 90% of the 15-day VWAP immediately preceding the conversion date. In June 2016 Sentient converted the remaining approximately \$1.1 million of principal and approximately \$34,000 of accrued interest (representing the total amount of accrued interest at the conversion date) into 4,011,740 shares of our common stock at an exercise price of approximately \$0.289 per share, equal to 90% of the 15-day VWAP immediately preceding the loan’s original issue date. After the conversions, the Sentient Note is no longer outstanding and, following the sale of additional shares of our common stock in 2017 pursuant to the ATM Program (discussed below), Sentient holds approximately 46% of our 89.7 million shares of issued and outstanding common stock.

Offering and Private Placement

On May 6, 2016, we issued 8.0 million registered shares of common stock at a purchase price of \$0.50 per share in a registered direct offering (the “Offering”) resulting in gross proceeds of \$4.0 million. We incurred costs and fees of approximately \$0.4 million related to the Offering resulting in net proceeds of approximately \$3.6 million. In connection with the Offering, each investor received an unregistered warrant to purchase three-quarters of a share of common stock for each share of common stock purchased. The warrants have an exercise price of \$0.75 per share and are exercisable beginning six months after the date of issuance and will expire five years from the initial exercise date.

At the Market Offering Program

On December 20, 2016, we entered into an at-the-market offering agreement (the “ATM Agreement”) with H. C. Wainwright & Co., LLC (“Wainwright”), under which we may, from time to time, issue and sell shares of our common stock through Wainwright as sales manager in an at-the-market offering under a prospectus supplement for aggregate sales proceeds of up to \$5.0 million (the “ATM Program”) or a maximum 10 million shares. The common stock will be distributed at the market prices prevailing at the time of sale. The ATM Agreement provides that Wainwright will be entitled to compensation for its services at a commission rate of 2.0% of the gross sales price per share of common stock sold. The Company reimbursed certain legal expenses of Wainwright totaling \$50,000 and incurred additional accounting, legal, and regulatory costs of approximately \$103,000 in connection with establishing the ATM Program. At December 31, 2016 no offers or sales were made under the ATM Program.

Subsequent to December 31, 2016 we sold an aggregate of approximately 640,000 common shares under the ATM Program at an average price of \$0.74 per common share for gross proceeds of approximately \$475,000 during the year to date period ended February 24, 2017. We paid a 2% cash commission on the gross proceeds in the amount of approximately \$10,000 and incurred additional accounting, legal, and regulatory costs of approximately \$2,000.

Santa Maria

At the Santa Maria mine west of Hildalgo de Parral, Chihuahua, we have recently completed an underground drilling program of 2,200 meters in 24 drill holes. Assay results are complete. During the first two quarters of 2016 we mined approximately 4,500 tonnes of material as a bulk sample with grades of approximately 235 gpt silver and 0.7 gpt gold. This material was substantially lower in grade than material mined in 2015 from the same vein. We processed the bulk sample through a toll milling facility, generating approximately 100 tonnes of concentrates containing approximately 22,000 ounces of silver and 44 ounces of gold. The concentrates were sold to a third party for approximately \$300,000 during the first two quarters of 2016 consisting of approximately 21,000 payable ounces of silver and 40 payable ounces of gold, which offset exploration costs. The average grade of 7,500 tons mined and processed in bulk samples since 2015 is 338 gpt silver and 0.7 gpt gold.

We have the right to acquire the Santa Maria property under an option agreement. The option agreement requires an additional approximately \$0.9 million to be paid to acquire 100% of the Santa Maria property. Minimum payments of \$0.1 million are due every six months in April and October and the minimum payments for 2017 have already been paid to the property owner. In addition, until the total due under the option agreement has been paid, the property owners have the right to 50% of any net profits from mining activities at the property, after reimbursement of all costs incurred by the Company since April 2015, to the extent that such net profit payments exceed the minimum payments.

In February 2017 a PEA was completed on our behalf by Tetra Tech based on an updated estimate of mineralized material. The PEA presents a base case assessment of developing Santa Maria's mineral deposit. The PEA contemplates a 38-month underground mining operation at a mining rate of 200 tonnes per day using a combination of cut and fill and other mining techniques, and custom milling at a local third-party flotation mill. Based on the assumptions in the PEA, we believe there may be potential to develop a small mining operation at Santa Maria.

In 2017 we plan to continue work related to optimizing mining plans for the project and obtaining permits for the potential mining operation as considered in the current PEA. Permit applications have been submitted and are pending comment and acceptance. We are also developing plans for additional exploration work to potentially expand the deposit. However, no development decision has been made with respect to the project.

Rodeo

In June 2016, we began a 2,080 meter core drilling program at the Rodeo property, approximately 80 kilometers west of the Velardeña Properties in Durango Mexico at a cost of approximately \$0.4 million. The results from the program show a gold and silver bearing epithermal vein and breccia system with encouraging gold and silver values over an approximate 50 to 70 meter true width. The system is exposed at the top of a northwesterly striking ridge and dips steeply to the northeast over about one kilometer of strike length.

During January 2017, the engineering firm of Tetra Tech completed an estimate of mineralized material at the Rodeo deposit, prepared pursuant to Canadian National Instrument 43-101. Tetra Tech's report presents two mineralized material estimates based on two different operating scenarios. The first operating scenario reflects a smaller amount of higher grade material and estimated mineralized material of 0.4 million tonnes containing 3.3 gpt gold and 11 gpt silver. We believe this material, as currently identified, could provide additional mined material for our Velardeña oxide mill following the completion of the Hecla lease, currently set to expire no later than December 31, 2018. This scenario provides a potentially shorter time to processing with lower capital costs since we already own the mill, located within trucking distance of the Rodeo property. The second operating scenario reflects a larger amount of lower grade material and estimated mineralized material of 3.6 million tonnes containing 0.8 gpt gold and 12 gpt silver. The second mineralized material estimate envisions a standalone heap leach operation, depending on leachability of the material and development and operating costs.

In 2017 we plan to continue work related to metallurgical studies, economic evaluation and potential resource expansion.

Celaya Farm-out

In August 2016, our wholly owned Mexican subsidiary entered into an earn-in agreement with a 100% owned Mexican subsidiary of Electrum Global Holdings, L.P., a privately owned company, related to our Celaya exploration property in Mexico. We received an upfront payment of \$0.2 million and Electrum has agreed to incur exploration expenditures totaling at least \$0.5 million within the first year of the agreement, reduced by certain costs Electrum previously incurred on the property since December 2015 in its ongoing surface exploration program. Electrum, at its option, can elect to acquire an undivided 60% interest in a joint venture company to be formed to hold the Celaya project after incurring exploration expenditures totaling \$2.5 million during the first three years of the agreement. Electrum would

serve as manager of the joint venture. If we elect not to contribute to additional exploration or development expenditures after the initial earn-in period, Electrum, at its option, would have the right to earn an additional 20% interest in the Celaya project, for a total interest of 80%, by incurring an additional \$2.5 million of exploration or development expenditures over a second three-year period. Following the second earn-in period we would have the right to maintain our 20% interest or our interest ultimately could be converted into a 10% net profits interest.

The 6,200-hectare silver and gold Celaya project contains a strongly developed alteration system on the main Mexico silver belt trend, located 10 kilometers east of Plata Latina's Naranjillo silver and gold discovery and 45 kilometers southeast of and on trend with the historic Guanajuato District. We have conducted mapping and sampling activities at Celaya since 2012. We completed a 2,000 meter, three-hole drilling program in 2015 that identified epithermal gold and silver mineralization beneath a portion of the widespread clay-silica alteration on the claims comprising the project.

Electrum Global Holdings' Mexican subsidiary, Minera Adularia, has conducted extensive geologic mapping and sampling on the Celaya property. New targets have been identified and exploration drilling to test these targets began in January 2017.

Sale of San Diego Exploration Property

On August 2, 2016, we sold our remaining 50% interest in the San Diego property in Mexico to Golden Tag Resources, Ltd, which held the other 50% interest in the property, for approximately \$379,000 in cash and 2,500,000 common shares of Golden Tag. Pursuant to the sales agreement, Golden Tag will be required to pay us a 2% net smelter return royalty on production from the San Diego property. We now hold 7,500,000 common shares of Golden Tag, representing approximately 10% of its outstanding common shares.

Sale of Mining Equipment to a Related Party

On August 8, 2016, we sold certain mining equipment consisting of two haul trucks, two scoop trams and a compressor to Minera Indé, an indirect subsidiary of Sentient, a related party, for \$687,000. The equipment sold was excess equipment held at our Velardeña Properties that we did not expect to use. We used a third party consultant with experience in the used mining equipment market in Mexico to determine a fair value. We believe the price paid was at least equal to the fair market value of the equipment had it been sold through auction or in the open market. We received 10% of the sales price at the closing of the sale in August, with the additional 90%, plus interest on the unpaid balance at an annual rate of 10%, due in February 2017.

With the approval of a Special Committee of the Company's Board of Directors, we expect to amend the original equipment sale in February 2017 to include the sale of an additional piece of excess equipment for \$185,000. Upon execution of the amendment we expect to receive an additional payment of \$100,000, and the remaining principal and interest balance as of February 2017 of \$737,000, plus additional interest on the unpaid balance at an annual rate of 10%, would be due in August 2017.

El Quevar

We continue to hold our El Quevar property on care and maintenance until we can fund further exploration ourselves or find a partner to fund further exploration.

Other Exploration

On April 28, 2016, we entered into an option agreement under which Santa Cruz Silver Mining Ltd. may acquire our interest in certain nonstrategic mineral claims located in the Zacatecas Mining District, Zacatecas, Mexico for a series of payments totaling \$1.5 million. Santa Cruz paid the Company \$0.2 million on signing the agreement and an additional \$0.2 million in October 2016. In order to maintain its option and acquire the Zacatecas Properties, Santa Cruz is required

to pay additional amounts of \$0.3 million, \$0.3 million and \$0.5 million due 12, 18 and 24 months after signing respectively. Santa Cruz has the right to terminate the option agreement at any time, and the agreement will terminate if Santa Cruz fails to make a payment when due.

We commenced a \$0.6 million exploration drilling program in the first quarter 2016 at the Santa Rosa vein in the San Luis del Cordero project in Durango State, Mexico. The 20 hole, 4,600 meter drilling program was completed in June 2016, and we received drill results from that program in July. Based on our evaluation of those July results, we concluded that further work on this project was not likely to meet our near-term objectives and we terminated the farm-in arrangement for the property in August 2016.

Results of Operations

For the results of operations discussed below, we compare the results of operations for the year ended December 31, 2016 to the results of operations for the year ended December 31, 2015.

Revenue from oxide plant lease. In July 2015 a third party leased our inactive Velardeña oxide plant. We recorded revenue of \$6.4 million and \$0.6 million for the years ended December 31, 2016 and 2015 respectively.

Oxide plant lease costs. During the year ended December 31, 2016 we recorded \$2.0 million of costs related to the oxide plant lease consisting primarily of reimbursable labor and utility costs which for accounting purposes were also included in revenue from the oxide plant lease. We recorded \$0.2 million for such costs for the year ended December 31, 2015.

Revenue from the sale of metals. We recorded no revenue for the year ended December 31, 2016 due to the suspension of mining and processing at our Velardeña Properties beginning November 2015. We recorded \$7.4 million in revenue for the year ended December 31, 2015, all from the sale of lead, zinc and pyrite concentrates from our Velardeña Properties in Mexico.

Costs of metals sold. We recorded no cost of metals sold during the year ended December 31, 2016 due to the suspension of mining and processing at our Velardeña Properties beginning November 2015. For the year ended December 31, 2015 we recorded \$9.9 million of costs of metals sold.

Exploration Expense. Our exploration expense, including drilling at the San Luis del Cordero, Santa Maria, and Rodeo properties, totaled \$3.7 million for the year ended December 31, 2016. For the year ended December 31, 2015 exploration expense totaled \$3.6 million, including drilling at the Velardeña Properties. Exploration expense for both years was incurred primarily in Mexico and includes property holding costs, costs incurred by our local exploration offices, and allocated corporate administrative expenses.

Velardeña Project Expense. During the years ended December 31, 2016 and 2015 we incurred nil and approximately \$0.1 million of expenses. The 2015 expenses were primarily related to the restart of mining and processing activities in 2015 and the construction of the San Mateo ramp and other mine construction and engineering work. In addition to amounts expensed, we incurred only a nominal amount of capital expenditures during both 2016 and 2015.

Velardeña shutdown and care and maintenance costs. We recorded \$2.0 million and \$1.2 million for the years ended December 31, 2016 and 2015, respectively, for expenses related to shut down and care and maintenance at our Velardeña Properties. We suspended mining and processing activities at the Velardeña Properties in November 2015.

El Quevar Project Expense. During the years ended December 31, 2016 and 2015 we incurred \$0.5 million and \$1.0 million of expenses, respectively, primarily related to holding costs at our El Quevar project in Argentina. The decrease in expense for the 2016 period is primarily related to the reversal of an accrual for Argentina equity tax originally

recorded in 2015, resulting from an audit of certain prior years. For both years, additional nominal costs incurred in Argentina and not related to the El Quevar project are included in “—*Exploration Expense*”, discussed above.

Administrative Expense. Administrative expenses totaled \$3.9 million for the year ended December 31, 2016 compared to \$4.2 million for the year ended December 31, 2015. Administrative expenses, including costs associated with being a public company, are incurred primarily by our corporate activities in support of the Velardeña Properties, El Quevar project and our exploration portfolio. The \$3.9 million of administrative expenses we incurred during 2016 is comprised of \$1.4 million of employee compensation and directors’ fees, \$1.3 million of professional fees and \$1.2 million of insurance, travel expenses, rents, utilities and other office costs. The \$4.2 million of administrative expenses we incurred during 2015 is comprised of \$2.0 million of employee compensation and directors’ fees, \$1.0 million of professional fees and \$1.2 million of insurance, rents, travel expenses, utilities and other office costs.

Stock based compensation. During the year ended December 31, 2016 we incurred expense related to stock based compensation in the amount of \$0.6 million compared to \$0.5 million for the year ended December 31, 2015. Stock based compensation varies from period to period depending on the number and timing of shares granted, the type of grant, the market value of the shares on the date of grant and other variables. The 2016 stock based compensation amount includes \$0.3 million related to KELTIP grants made to two officers (see Note 15 to the consolidated financial statements filed as part of this Form 10-K for a discussion of KELTIP grants).

Reclamation and accretion expense. During each of the years ended December 31, 2016 and 2015 we incurred \$0.2 million of reclamation expense related to the accretion of an asset retirement obligation at the Velardeña Properties.

Impairment of long lived assets and goodwill. We assess the recoverability of our property, plant and equipment and goodwill whenever events or changes in circumstances indicate that the carrying value of the assets may not be recoverable. The continued negative operating margin and the suspension of mining and sulfide processing activities at the Velardeña Properties in early November 2015 were events that required an assessment of the recoverability of the Velardeña Properties asset group at September 30, 2015. We completed an impairment analysis at September 30, 2015 and determined that our mineral and exploration properties at the Velardeña Properties were impaired (see Note 2 of our consolidated financial statements). As a result we recorded a \$13.2 million impairment charge related to long-lived assets. There were no such charges during the year ended December 31, 2016.

Other Operating Income, Net. We recorded other operating income of \$1.8 million for the year ended December 31, 2016 compared to \$0.5 million for the year ended December 31, 2015. The net amounts for both years consist primarily of net gains recorded on the sales of certain fixed assets and non-strategic exploration properties.

Depreciation, depletion and amortization. During the year ended December 31, 2016 we incurred depreciation, depletion and amortization expense of \$1.5 million compared to \$4.5 million for the year ended December 31, 2015. The decrease in depreciation, depletion and amortization in 2016 is primarily the result of the suspension of mining and processing activities at our Velardeña Properties during November 2015.

Interest expense. During the years ended December 31, 2016 and 2015 we recorded approximately \$0.5 million and \$0.1 million, respectively, of interest expense related to the Sentient Loan. The remaining Sentient Loan was fully converted in June 2016 and at December 31, 2016 we had no outstanding debt.

Interest and Other Income. During the year ended December 31, 2016 we recorded approximately \$0.4 million of interest and other income which included a refund of previously paid social security taxes in Mexico of approximately \$0.4 million. During the year ended December 31, 2015 we recorded approximately \$3.1 million of interest and other income which included a \$2.1 million reduction of a loss contingency liability related to foreign withholding taxes that the government could have asserted were owed by the Company, acting as withholding agent, on certain interest payments made to a third party. Interest and other income for 2015 also includes a refund of previously paid social security taxes in Mexico of approximately \$0.8 million.

Warrant Income (Loss). For the year ended December 31, 2016 we recorded approximately \$1.7 million of loss related to an increase in the fair value of the liability for warrants to acquire the Company's stock. For the year ended December 31, 2015 we recorded approximately \$1.3 million of income related to a decrease in the fair value of the liability recorded for the warrants. The warrant liability was recorded at fair value as of December 31, 2016 and 2015 based primarily on a valuation performed by a third party expert using a Monte Carlo simulation, which falls within Level 3 of the fair value hierarchy. The valuation method is discussed in detail in Note 13 of our consolidated financial statements.

Derivative Income (Loss). The beneficial conversion feature of the Sentient Note represented an embedded derivative as defined by ASC 815. ASC 815 provides that a derivative instrument's fair value must be bifurcated from the host contract and separately recorded on the Company's Consolidated Balance Sheets. The Company used a third party consultant to value the embedded derivative in the Sentient Note employing a Monte Carlo type probability analysis, which falls within Level 3 of the fair value hierarchy. The valuation method is discussed in detail in Note 13 of our consolidated financial statements. The derivative was recorded at fair value with subsequent mark-to-market changes in the value of the derivative recorded as income or loss in the Consolidated Statements of Operations. For the year ended December 31, 2016 we recorded a \$0.8 million loss related to the fair value adjustment to the embedded derivative. For the year ended December 31, 2015 we recorded a \$0.6 million gain related to the fair value adjustment.

Gain (Loss) on Foreign Currency. We recorded a \$0.1 million foreign currency loss in each of the years ended December 31, 2016 and 2015. Foreign currency gains and losses are primarily related to the effect of currency fluctuations on monetary assets net of liabilities held by our foreign subsidiaries that are denominated in currencies other than US dollars.

Income Taxes. We recorded no income tax expense or benefit for the years ended December 31, 2016 and 2015.

Liquidity and Capital Resources

At December 31, 2016 our aggregate cash and cash equivalents totaled \$2.6 million, \$1.5 million lower than the \$4.1 million in similar assets held at December 31, 2015. The reduction is due in part from the following expenditures totaling \$11.0 million:

- \$3.7 million in exploration expenditures, including costs related to drilling at the San Luis del Cordero, Santa Maria, and Rodeo properties;
- \$2.0 million in shutdown and care and maintenance costs at the Velardeña Properties;
- \$0.5 million in care and maintenance and property holding costs at the El Quevar project;
- \$3.9 million in general and administrative expenses; and
- \$0.9 million from an increase in working capital primarily related to a decrease in deferred revenue from the lease of the oxide plant.

The foregoing expenditures were offset by cash inflows of \$9.5 million from the following:

- \$4.4 million of net operating margin received pursuant to the oxide plant lease (defined as oxide plant lease revenue less oxide plant lease costs);
- \$3.6 million of net proceeds received in a registered direct offering of the Company's common stock (discussed in more detail below);

- \$1.1 million of net proceeds from the sale of nonstrategic exploration properties and mining equipment; and
- \$0.4 million from a refund of previously paid social security taxes in Mexico.

On February 11, 2016, Sentient converted approximately \$3.9 million of principal and \$0.1 million of accrued interest (representing the total amount of accrued interest at the conversion date) pursuant to the Sentient Note into 23,355,000 shares of our common stock. See Note 10 in the accompanying Consolidated Financial Statements for a full discussion of the Sentient Note. On June 10, 2016 Sentient converted the remaining approximately \$1.1 million and approximately \$34,000 of accrued interest under the Sentient Note into 4,011,740 shares of our common stock. At December 31, 2016 we had no outstanding debt.

On May 6, 2016, we issued 8.0 million registered shares of our common stock at a purchase price of \$0.50 per share in a registered direct offering resulting in gross proceeds of \$4.0 million. We incurred costs and fees of approximately \$0.4 million related to the Offering resulting in net proceeds of approximately \$3.6 million. In connection with the Offering, each investor received an unregistered warrant to purchase three-quarters of a share of common stock for each share of common stock purchased. The warrants have an exercise price of \$0.75 per share and are exercisable beginning six months after the date of issuance and will expire five years from the initial exercise date.

On December 20, 2016, we entered into an at-the-market offering agreement with H. C. Wainwright & Co., LLC, under which we may, from time to time, issue and sell shares of our common stock through Wainwright as sales manager in an at-the-market offering under a prospectus supplement for aggregate sales proceeds of up to \$5.0 million. The common stock will be distributed at the market prices prevailing at the time of sale. The ATM Agreement provides that Wainwright will be entitled to compensation for its services at a commission rate of 2.0% of the gross sales price per share of common stock sold. We reimbursed certain legal expenses of Wainwright totaling \$50,000 and incurred additional accounting, legal, and regulatory costs of approximately \$103,000 in connection with establishing the ATM Program. At December 31, 2016 no offers or sales were made under the ATM Program.

Subsequent to December 31, 2016 we sold an aggregate of approximately 640,000 common shares under the ATM Program at an average price of \$0.74 per common share for gross proceeds of approximately \$475,000 during the year to date period ended February 24, 2017. We paid a 2% cash commission on the gross proceeds in the amount of approximately \$10,000 and incurred additional accounting, legal, and regulatory costs of approximately \$2,000.

In addition to our \$2.6 million cash balance at December 31, 2016, during 2017 we expect to receive approximately \$4.8 million in net operating margin from the lease of the oxide plant, \$0.8 million from the final payment for the August 2016 sale of excess mining equipment and \$0.6 million from the farm out of a non-strategic exploration property that occurred in 2016. In addition, subsequent to December 31, 2016 we received \$0.5 million in net proceeds from the sale of our common stock under the ATM Program. If no additional sales of common stock under the ATM Program occur, we project we would end 2017 with a cash balance of \$1.5 million based on the following forecasted expenditures during 2017.

- Approximately \$1.8 million on exploration activities and property holding costs related to our portfolio of exploration properties located primarily in Mexico, including project assessment and development costs relating to Santa Maria, Rodeo, and other properties;
- Approximately \$1.5 million at the Velardeña Properties for care and maintenance;
- Approximately \$0.5 million at the El Quevar project to fund ongoing maintenance activities and property holding costs;

- Approximately \$3.5 million on general and administrative costs; and
- Approximately \$0.5 million on other working capital, primarily related to a decrease in accounts payable during the year.

The actual amount that we spend during 2017 and the projected yearend cash balance may vary significantly from the amounts specified above and will depend on a number of factors, including variations from anticipated care and maintenance costs at the Velardeña Properties and costs for continued exploration, project assessment, and development at our other exploration properties, including Santa Maria and Rodeo.

The consolidated financial statements have been prepared on a going concern basis under which an entity is considered to be able to realize its assets and satisfy its liabilities in the normal course of business. However, our continuing long-term operations are dependent upon our ability to secure sufficient funding and to generate future profitable operations. The underlying value and recoverability of the amounts shown as property, plant and equipment in our consolidated financial statements are dependent on our ability to generate positive cash flows from operations and to continue to fund exploration and development activities that would lead to profitable mining activities or to generate proceeds from the disposition of property, plant and equipment. There can be no assurance that we will be successful in generating future profitable operations or securing additional funding in the future on terms acceptable to us or at all.

In our consolidated financial statements for the year ended December 31, 2015, we reported that material uncertainties, including repayment of the Sentient Loan, may have cast significant doubt on our ability to continue as a going concern. During 2016, the Sentient Loan was fully converted to our common stock and additional cash proceeds were raised through the sale of nonstrategic exploration properties and mining equipment and from an offering of our common stock. We believe the foregoing transactions and the continuing cash flow from the lease of the oxide plant and prior asset dispositions make it probable that we will have sufficient cash to meet our financial obligations and continue our business strategy beyond one year from the filing of our consolidated financial statements for the year ended December 31, 2016.

Non-GAAP Financial Measures

Cash costs, net of by-product credits, per payable ounce of silver is a non-GAAP financial measure that is widely used in the mining industry. Under generally accepted accounting principles in the United States (GAAP), there is no standardized definition of cash cost, net of by-product credits, per payable ounce of silver, and therefore our forecasted cash costs may not be comparable to similar measures reported by other companies.

The full year 2015 cash costs of \$22.16 for the Velardeña Properties include all direct and indirect costs associated with the physical activities that would generate concentrate products for sale to customers, including mining to gain access to mineralized materials, mining of mineralized materials and waste, milling, third-party related treatment, refining and transportation costs, on-site administrative costs and royalties. Cash costs do not include depreciation, depletion, amortization, exploration expenditures, reclamation and remediation costs, sustaining capital, financing costs, income taxes, or corporate general and administrative costs not directly or indirectly related to the Velardeña Properties. By-product credits include revenues from gold, lead and zinc contained in the products sold to customers during the period. Cash costs, after by-product credits, are divided by the number of payable silver ounces generated by the plant for the period to arrive at cash costs, after by-product credits, per payable ounce of silver.

The following table sets forth the cash costs, net of by-product credits, per payable ounce of silver calculation:

	Cash Costs, Net of By-product Credits, Per Payable Ounce of Silver (1)	
	(in thousands except per unit amounts)	
Year Ended December 31, 2015		
Cash costs	\$	9,363
Silver treatment and refining charges (included in sale of metals above)		778
By-product credits (included in sale of metals above)		
Gold		(2,195)
Lead		16
Zinc		(724)
Cash costs, net of by-product credits (1)	\$	7,238
Cash cost per unit		
Payable silver ounces generated		326,651
Cash costs	\$	28.66
Treatment and refining charges		2.38
By-product credits		(8.89)
Cash costs, net of by-product credits, per payable ounce of silver (1)	\$	22.16

(1) **Cash costs, net of by-product credits, per payable ounce of silver is a non-GAAP financial measure defined below.**

We provide cash costs, after by-product credits to provide additional information regarding the performance of the Velardeña Properties, and believe the use of this measure provides investors with useful information about the underlying costs of our mining activities. Cash costs, after by-product credits, is an important statistic that the Company uses to measure the Velardeña Properties' performance. It also allows us to benchmark the performance of the Velardeña Properties against those operations of our competitors. The statistic is also useful in identifying acquisition and investment opportunities since it provides a common tool for measuring the financial performance of other mines with varying geologic, metallurgical and mining and processing characteristics. No cash costs, after by-product credits were reported for the year ended December 31, 2016 as the result of the shutdown of mining and processing at our Velardeña Properties in November 2015

Cost of sales is the most comparable financial measure, calculated in accordance with GAAP, to cash costs. As compared to cash costs, cost of sales includes adjustments for changes in inventory and excludes net revenue from by-products and third-party related treatment, refining and transportation costs, which are reported as part of revenue in accordance with GAAP.

The following table presents a reconciliation for the year ended December 31, 2015 between the non-GAAP measure of cash cost, net of by-product credits, per payable ounce of silver, to the most directly comparable GAAP measure, cost of metals sold.

	Reconciliation of Costs of Metals Sold (GAAP) to Cash Costs (Non-GAAP)	
	(in thousands)	
Year Ended December 31, 2015		
Cash costs	\$	9,363
Reconciliation to GAAP		
Change in inventory (excluding depreciation, depletion and amortization)		503
Cost of metals sold	\$	<u>9,866</u>

Critical Accounting Policies and Estimates

The selection and application of accounting policies is an important process that has developed as our business activities have evolved and as the accounting rules have changed. Accounting rules generally do not involve a selection among alternatives, but involve an implementation and interpretation of existing rules, and the use of judgment, to the specific set of circumstances existing in our business. Discussed below are the accounting policies that we believe are critical to our financial statements due to the degree of uncertainty regarding the estimates or assumptions involved and the magnitude of the asset, liability, revenue or expense being reported.

Mineral Reserves

When and if we determine that a mineral property has proven and probable reserves, subsequent development costs are capitalized to mineral properties. When mineral properties are developed and operations commence, capitalized costs are charged to operations using the units-of-production method over proven and probable reserves. "Mineralized material" as used in this annual report, although permissible under SEC's Industry Guide 7, does not indicate "reserves" by SEC standards, and therefore all development costs incurred by us are expensed when incurred. The Company cannot be certain that any part of the deposits at the Velardeña Properties or the Yaxtché deposit at the El Quevar project will ever be confirmed or converted into SEC Industry Guide 7 compliant "reserves".

Asset Retirement Obligations

We record asset retirement obligations in accordance with Auditing Standards Codification ("ASC") 410, "Asset Retirement and Environmental Obligations" ("ASC 410"), which establishes a uniform methodology for accounting for estimated reclamation and abandonment costs. According to ASC 410, the fair value of a liability for an asset retirement obligation ("ARO") is recognized in the period in which it is incurred if a reasonable estimate of fair value can be made. An offsetting asset retirement cost is capitalized as part of the carrying value of the assets with which it is associated, and depreciated over the useful life of the asset.

Long Lived Assets

Long lived assets are recorded at cost and per the guidance of ASC 360 the Company assesses the recoverability of its long lived assets, including goodwill, whenever events or changes in circumstances indicate that the carrying value of the assets may not be recoverable. If the sum of estimated future net cash flows on an undiscounted basis is less than the carrying amount of the related asset, impairment is considered to exist. The related impairment loss is measured by

comparing estimated future net cash flows on a discounted basis or by comparing other market indicators to the carrying amount of the asset.

Table of Contractual Obligations

The following table summarizes our contractual obligations at December 31, 2016:

Contractual Obligations	Total	Less Than 1 Year	1 - 3 Years	3 - 5 Years	More Than 5 Years
			(in thousands of \$)		
Operating leases(1) El Quevar and Velardeña concession and rights payments (2)	1,149	285	589	275	—
	1,125	225	450	450	— (3)

- (1) The operating lease obligations are related to our corporate headquarters office in Golden, Colorado, which expires November 30, 2019, as well as another office lease associated with our Velardeña Properties.
- (2) We expect to make annual maintenance payments of approximately \$75,000 to the Mexico federal government to maintain the Velardeña Properties concessions and \$25,000 to maintain related surface rights under a contract with the local community ejido. In 2017 and subsequent years, we expect to pay approximately \$115,000 per year to the Argentina federal government.
- (3) We cannot currently estimate the life of the Velardeña Properties or El Quevar project. This table assumes that no annual maintenance payments will be made more than five years after December 31, 2016. If we have mining and processing activities at the Velardeña Properties beyond five years, we expect that we would make annual maintenance payments of approximately \$75,000 per year for the life of the Velardeña mine. If we continue to construct a mine at the El Quevar project, we expect that we would make annual maintenance payments of approximately \$115,000 per year for the life of the El Quevar mine.

From time to time we enter into lease or option agreements related to exploration properties that are of interest to us. These agreements typically contain escalating payments required to maintain our exploration rights to the property. Such agreements are not included in the above table because exploration success is historically low and we have the right to terminate the agreements at any time.

Off-Balance Sheet Arrangements

We do not have any off balance sheet arrangements.

ITEM 7A: QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Interest Rate Risk

We invest substantially all of our excess cash with high credit-quality financial institutions or in U.S. government and debt securities rated “investment grade” or better. The rates received on such investments may fluctuate with changes in economic conditions. Based on the average cash, restricted cash, investments and restricted investment balances outstanding during the year ended December 31, 2016, a 1.0% decrease in interest rates would have resulted in a reduction in interest income for the period of less than approximately \$0.1 million.

Foreign Currency Exchange Risk

Although most of our expenditures are in U.S. dollars, certain purchases of labor, supplies and capital assets are denominated in other currencies. As a result, currency exchange fluctuations may impact the costs of our mining and exploration activities. To reduce this risk, we maintain minimum cash balances in foreign currencies and complete most of our purchases in U.S. dollars.

Commodity Price Risk

We are primarily engaged in the exploration and mining of properties containing silver, gold, zinc, lead and other minerals. As a result, decreases in the price of any of these metals have the potential to negatively impact our ability to establish reserves and mine on our properties. For further detail regarding the effect on our expected cash flow from fluctuations in silver and gold prices, see “*Item 7: Management’s Discussion and Analysis—Liquidity and Capital Resources*” above.

ITEM 8: FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

The consolidated financial statements and supplementary information filed as part of this Item 8 are listed under Part IV, Item 15, “Exhibits, Financial Statement Schedules” and contained in this annual report on Form 10-K at page F-1.

ITEM 9: CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

ITEM 9A: CONTROLS AND PROCEDURES

Disclosure Controls and Procedures

The management of Golden Minerals Company has evaluated, under the supervision and with the participation of our Chief Executive Officer and Chief Financial Officer, the effectiveness of our disclosure controls and procedures as of December 31, 2016.

Based on that evaluation, the Chief Executive Officer and Chief Financial Officer have concluded that, as of December 31, 2016, our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act) were effective and designed to provide reasonable assurance that (i) information required to be disclosed in our reports filed under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC’s rules and forms, and (ii) information is accumulated and communicated to management, including the Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosures.

The management of Golden Minerals, including the Chief Executive Officer and Chief Financial Officer, does not expect that our disclosure controls and procedures or our internal control over financial reporting will prevent all errors and all fraud. A control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met.

Further, the design of a control system must reflect the fact that there are resource constraints and the benefits of controls must be considered relative to their costs. Because of the inherent limitations in all control systems, no evaluation

of controls can provide absolute assurance that all control issues and instances of fraud, if any, within the Company have been detected.

Management's Report on Internal Control over Financial Reporting

Management is responsible for establishing and maintaining adequate internal control over financial reporting (as defined in Rule 13a-15(f) under the Exchange Act). Under the supervision and with the participation of management, including our Chief Executive Officer and Chief Financial Officer, we assessed the effectiveness of our internal control over financial reporting as of December 31, 2016. In making this assessment, management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in *Internal Control—Integrated Framework*. Based on our assessment, management has concluded that, as of December 31, 2016, our internal control over financial reporting is effective based on these criteria.

Changes in Internal Control over Financial Reporting

There have been no changes in the Company's internal control over financial reporting during the year ended December 31, 2016 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

ITEM 9B: OTHER INFORMATION

None.

PART III

ITEM 10: DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

For Information regarding our executive officers, see “Items 1 and 2: Business and Properties—Executive Officers of Golden Minerals” and “Items 1 and 2: Business and Properties—Board of Directors of Golden Minerals.”

Additional information is incorporated by reference from the information in our proxy statement for the 2017 Annual Meeting of Stockholders, which we will file with the Securities and Exchange Commission within 120 days of the end of the fiscal year to which this report relates.

We have adopted a code of ethics that applies to all of our employees, including the principal executive officer, principal financial officer, principal accounting officer, and those of our officers performing similar functions. The full text of our code of ethics can be found on the Corporate Governance page on our website. In the event our Board of Directors approves an amendment to or waiver from any provision of our code of ethics, we will disclose the required information pertaining to such amendment or waiver on our website.

ITEM 11: EXECUTIVE COMPENSATION

Incorporated by reference from the information in our proxy statement for the 2017 Annual Meeting of Stockholders, which we will file with the Securities and Exchange Commission within 120 days of the end of the fiscal year to which this report relates.

ITEM 12: SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

Incorporated by reference from the information in our proxy statement for the 2017 Annual Meeting of Stockholders, which we will file with the Securities and Exchange Commission within 120 days of the end of the fiscal year to which this report relates.

ITEM 13: CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

Incorporated by reference from the information in our proxy statement for the 2017 Annual Meeting of Stockholders, which we will file with the Securities and Exchange Commission within 120 days of the end of the fiscal year to which this report relates.

ITEM 14: PRINCIPAL ACCOUNTING FEES AND SERVICES

Incorporated by reference from the information in our proxy statement for the 2017 Annual Meeting of Stockholders, which we will file with the Securities and Exchange Commission within 120 days of the end of the fiscal year to which this report relates.

PART IV

ITEM 15: EXHIBITS, FINANCIAL STATEMENT SCHEDULES

- a. Documents filed as part of this annual report on Form 10-K or incorporated by reference:
- (1) Our consolidated financial statements are listed on the “Index to Financial Statements” on Page F-1 to this report.
 - (2) Financial Statement Schedules (omitted because they are either not required, are not applicable, or the required information is disclosed in the notes to the financial statements or related notes).
 - (3) The following exhibits are filed with this annual report on Form 10-K or incorporated by reference.

ITEM 16: PREPARATION OF STATEMENT OR REPORT

Not applicable

EXHIBITS

Exhibit Number	Description
1.1	Underwriting Agreement between Golden Minerals Company and Wells Fargo Securities, LLC dated as of September 13, 2012.(1)
1.2	Underwriting Agreement between Golden Minerals Company and Roth Capital Partners, LLC, dated as of September 5, 2014.(11)
3.1	Amended and Restated Certificate of Incorporation of Golden Minerals Company.(2)
3.2	First Amendment to the Amended and Restated Certificate of Incorporation of Golden Minerals Company.(3)
3.3	Second Amendment to the Amended and Restated Certificate of Incorporation of Golden Minerals Company. (17)
3.4	Bylaws of Golden Minerals Company.(2)
4.1	Specimen of Common Stock Certificate.(4)
4.2	Warrant Agreement by and between Golden Minerals Company and Computershare Trust Company N.A. dated as of September 19, 2012, as amended by Amendment No. 1 dated as of March 7, 2014, as further amended by Amendment No. 2 dated as of May 2, 2016.(1) (16)
4.3	Warrant by and between Golden Minerals Company and Sentient Global Resources Fund IV, L.P. dated as of September 19, 2012.(1)
4.4	Warrant Agreement by and between Golden Minerals Company and Computershare Trust Company N.A. dated as of September 10, 2014 (Public Offering). (11)
4.5	Warrant Agreement by and between Golden Minerals Company and Computershare Trust Company N.A. dated as of September 10, 2014 (Sentient Private Placement), as amended by Amendment No. 1 dated as of May 2, 2016. (12) (16)
10.1	Form of Indemnification Agreement.(2)
10.2	Form of Change of Control Agreement.(2)
10.3	Amendment No. 1 to Change of Control Agreement.(5)

Exhibit Number	Description
10.4	Golden Minerals Company Amended and Restated 2009 Equity Incentive Plan.(6)
10.5	Form of Restricted Stock Award Agreement Pursuant to the 2009 Equity Incentive Plan.(7)
10.6	Non-Employee Directors Deferred Compensation and Equity Award Plan.(7)
10.7	Form of Non-Qualified Stock Option Award Agreement Pursuant to the Amended and Restated 2009 Equity Incentive Plan.(8)
10.8	Registration Rights Agreement by and among Golden Minerals Company, Sentient Global Resources Fund III, L.P., SGRF III Parallel I, L.P. and Sentient Global Resources Fund IV, L.P. dated as of October 7, 2011. (9)
10.9	Registration Rights Agreement between Golden Minerals Company and Sentient Global Resources Fund IV, L.P. dated as of September 19, 2012.(1)
10.10	Subscription Agreement between Golden Minerals Company and Sentient Global Resources Fund IV, L.P. dated as of September 10, 2014.(12)
10.11	Registration Rights Agreement between Golden Minerals Company and Sentient Global Resources Fund IV, L.P. dated as of September 10, 2014.(11)
10.12	Golden Minerals Company 2013 Key Employee Long-Term Incentive Plan.(10)
10.13	Master Agreement and Lease Agreement, dated as of July 1, 2015, by and between Minera William S.A de C.V. and Minera Hecla, S.A. de C.V., as amended by the First Amendment to Master Agreement and Lease Agreement, dated as of July 1, 2016. (13) (21)
10.14	Contract of Mining Exploration and Exploitation, dated as of November 13, 2015, by and between Minera William S.A. de C.V. and Minera Fumarola, S.A. de C.V, a wholly owned subsidiary of Prospero Silver Corp. (14)
10.15	Registration Rights Agreement between Golden Minerals Company and Sentient Global Resources Fund IV, L.P. dated as of February 11, 2016.(15)
10.16	Warrant Agreement by and between Golden Minerals Company and Computershare Trust Company N.A., dated as of May 6, 2016. (16)
10.17	Form of Securities Purchase Agreement between Golden Minerals Company and certain institutional investors, dated as of May 2, 2016. (16)

Exhibit Number	Description
10.18	Registration Rights Agreement between Golden Minerals Company and Sentient Global Resources Fund IV, L.P. dated as of June 10, 2016. (18)
10.19	Assignment of Rights Agreement between Minera William, S.A. de C.V. and Golden Tag de Mexico, S.A. de C.V. dated as of August 2, 2016. (19)
10.20	Form of Unit Agreement Pursuant to the 2013 Key Employee Long-Term Incentive Plan. (20)
10.21	At the Market Offering Agreement, dated as of December 20, 2016, between Golden Minerals Company and H.C. Wainwright & Co., LLC. (22)
21.1	Subsidiaries of the Company.*
23.1	Consent of EKS&H LLLP.*
23.2	Consent of Tetra Tech.*
23.3	Consent of RungePincockMinarco.*
31.1	Certification of Chief Executive Officer of Periodic Report Pursuant to Rule 13a-14(a) and Rule 15d-14(a) (Section 302 of the Sarbanes-Oxley Act of 2002).*
31.2	Certification of Chief Financial Officer of Periodic Report Pursuant to Rule 13a-14(a) and Rule 15d-14(a) (Section 302 of the Sarbanes-Oxley Act of 2002).*
32.1	Certificate of Principal Executive Officer and Principal Financial Officer pursuant to 18 U.S.C. 1350 (Section 906 of the Sarbanes-Oxley Act of 2002).**
101.INS	XBRL Instance Document*
101.SCH	XBRL Taxonomy Extension Schema Document*
101.CAL	XBRL Taxonomy Calculation Linkbase Document*
101.DEF	XBRL Taxonomy Definition Document*
101.LAB	XBRL Taxonomy Label Linkbase Document*
101.PRE	XBRL Taxonomy Presentation Linkbase Document*

(1) Incorporated by reference to our Current Report on Form 8-K filed September 19, 2012.

(2) Incorporated by reference to our Current Report on Form 8-K filed March 30, 2009.

- (3) Incorporated by reference to our Current Report on Form 8-K filed September 9, 2011.
- (4) Incorporated by reference to our Form S-1/A Registration Statement filed November 16, 2009.
- (5) Incorporated by reference to our Current Report on Form 8-K filed May 28, 2013.
- (6) Incorporated by reference to our Quarterly Report on Form 10-Q filed August 6, 2014.
- (7) Incorporated by reference to our Quarterly Report on Form 10-Q filed August 10, 2009.
- (8) Incorporated by reference to our Quarterly Report on Form 10-Q filed May 4, 2010.
- (9) Incorporated by reference to our Current Report on Form 8-K filed October 11, 2011.
- (10) Incorporated by reference to our Current Report on Form 8-K filed December 18, 2013.
- (11) Incorporated by reference to our Current Report on Form 8-K filed September 10, 2014.
- (12) Incorporated by reference to our Quarterly Report on Form 10-Q filed November 6, 2014.
- (13) Incorporated by reference to our Current Report on Form 8-K filed July 20, 2015.
- (14) Incorporated by reference to our Current Report on Form 8-K filed on November 18, 2015.
- (15) Incorporated by reference to our Current Report on Form 8-K filed on February 18, 2016.
- (16) Incorporated by reference to our Current Report on Form 8-K filed on May 6, 2016.
- (17) Incorporated by reference to our Current Report on Form 8-K filed on May 20, 2016.
- (18) Incorporated by reference to our Current Report on Form 8-K filed on June 14, 2016.
- (19) Incorporated by reference to our Current Report on Form 8-K filed on August 5, 2016.
- (20) Incorporated by reference to our Quarterly Report on Form 10-Q filed August 11, 2016.
- (21) Incorporated by reference to our Quarterly Report on Form 10-Q filed on November 3, 2016.
- (22) Incorporated by reference to our Current Report on Form 8-K filed on December 20, 2016.

* Filed herewith.

** Furnished herewith.

GOLDEN MINERALS COMPANY
FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA INDEX

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Board of Directors and Stockholders
Golden Minerals Company
Golden, Colorado

We have audited the accompanying consolidated balance sheets of Golden Minerals Company and subsidiaries (the “Company”) as of December 31, 2016 and 2015, and the related consolidated statements of operations and comprehensive loss, changes in equity, and cash flows for each of the years then ended. The Company’s management is responsible for these financial statements. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audit included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company’s internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Golden Minerals Company and subsidiaries as of December 31, 2016 and 2015, and the results of their operations and their cash flows for each of the years then ended, in conformity with accounting principles generally accepted in the United States of America.

EKS&H LLLP

February 28, 2017
Denver, Colorado

GOLDEN MINERALS COMPANY
CONSOLIDATED BALANCE SHEETS
(Expressed in United States dollars)

	December 31, 2016	December 31, 2015
Assets		
Current assets		
Cash and cash equivalents (Note 4)	\$ 2,588	\$ 4,077
Short-term investments (Note 4)	334	72
Trade receivables	380	546
Inventories (Note 6)	245	330
Value added tax receivable, net (Note 7)	5	400
Related party receivable (Note 23)	643	—
Prepaid expenses and other assets (Note 5)	578	451
Total current assets	4,773	5,876
Property, plant and equipment, net (Note 8)	9,235	11,125
Total assets	<u>\$ 14,008</u>	<u>\$ 17,001</u>
Liabilities and Equity		
Current liabilities		
Accounts payable and other accrued liabilities (Note 9)	\$ 1,224	\$ 1,144
Convertible note payable - related party, net (Note 10)	—	3,702
Derivative liability - related party (Note 10)	—	488
Deferred revenue (Note 16)	—	500
Other current liabilities (Note 12)	24	556
Total current liabilities	1,248	6,390
Asset retirement and reclamation liabilities (Note 11)	2,434	2,546
Warrant liability - related party (Note 13)	976	117
Warrant liability (Note 13)	922	93
Other long term liabilities (Note 12)	66	84
Total liabilities	5,646	9,230
Commitments and contingencies (Note 20)		
Equity (Note 15)		
Common stock, \$.01 par value, 200,000,000 and 100,000,000 shares authorized; 89,020,041 and 53,335,333 shares issued and outstanding, respectively	889	534
Additional paid in capital	495,455	484,742
Accumulated deficit	(488,037)	(477,378)
Accumulated other comprehensive income (loss)	55	(127)
Shareholders' equity	8,362	7,771
Total liabilities and equity	<u>\$ 14,008</u>	<u>\$ 17,001</u>

The accompanying notes form an integral part of these consolidated financial statements.

GOLDEN MINERALS COMPANY
CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS
(Expressed in United States dollars)

	<u>The Year Ended December 31,</u>	
	<u>2016</u>	<u>2015</u>
	(in thousands except per share data)	
Revenue:		
Oxide plant lease (Note 16)	\$ 6,400	\$ 653
Sale of metals (Note 16)	—	7,418
Total revenue	<u>6,400</u>	<u>8,071</u>
Costs and expenses:		
Oxide plant lease costs (Note 16)	(2,046)	(199)
Cost of metals sold (exclusive of depreciation shown below) (Note 17)	—	(9,866)
Exploration expense	(3,718)	(3,634)
El Quevar project expense	(508)	(1,042)
Velardeña project expense	—	(119)
Velardeña shutdown and care and maintenance costs	(2,016)	(1,228)
Administrative expense	(3,890)	(4,242)
Stock based compensation	(593)	(453)
Reclamation expense	(192)	(256)
Impairment of long lived assets	—	(13,181)
Other operating income, net (Note 8)	1,790	471
Depreciation, depletion and amortization	(1,548)	(4,480)
Total costs and expenses	<u>(12,721)</u>	<u>(38,229)</u>
Loss from operations	(6,321)	(30,158)
Other income and (expense):		
Interest expense (Note 10)	(515)	(126)
Interest and other income (Note 17)	390	3,083
Warrant derivative (loss) gain (Note 18)	(1,688)	1,344
Derivative (loss) gain (Note 18)	(778)	553
Loss on debt extinguishment (Note 10)	(1,653)	—
Loss on foreign currency	(94)	(79)
Total other (expense) income	<u>(4,338)</u>	<u>4,775</u>
Loss from operations before income taxes	(10,659)	(25,383)
Income tax benefit	—	—
Net loss	\$ (10,659)	\$ (25,383)
Comprehensive loss, net of tax:		
Unrealized gain (loss) on securities	182	(127)
Comprehensive loss	<u>\$ (10,477)</u>	<u>\$ (25,510)</u>
Net loss per common share — basic		
Loss	\$ (0.13)	\$ (0.48)
Weighted average Common Stock outstanding - basic (1)	<u>81,651,896</u>	<u>52,972,352</u>

(1) Potentially dilutive shares have not been included because to do so would be anti-dilutive

The accompanying notes form an integral part of these consolidated financial statements.

GOLDEN MINERALS COMPANY
CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY
(Expressed in United States dollars)

	Common Stock		Additional Paid-in Capital	Accumulated Deficit	Accumulated Other Comprehensive Income (loss)	Total Equity
	Shares	Amount				
Balance, December 31, 2014	53,162,833	\$ 532	\$ 484,197	\$ (451,995)	\$ —	\$ 32,734
Stock compensation accrued	—	—	453	—	—	453
KELTIP mark-to-market	—	—	40	—	—	40
KELTIP shares issued	172,500	2	52	—	—	54
Unrealized loss on marketable equity securities, net of tax	—	—	—	—	(127)	(127)
Net loss	—	—	—	(25,383)	—	(25,383)
Balance, December 31, 2015	53,335,333	\$ 534	\$ 484,742	\$ (477,378)	\$ (127)	\$ 7,771
Stock compensation accrued and shares issued for vested stock awards	317,968	2	250	—	—	252
Shares issued on conversion of Sentient Note (Note 10)	27,366,740	273	6,944	—	—	7,217
Registered offering common stock, net and warrants (Note 15)	8,000,000	80	3,519	—	—	3,599
Unrealized gain on marketable equity securities, net of tax	—	—	—	—	182	182
Net loss	—	—	—	(10,659)	—	(10,659)
Balance, December 31, 2016	89,020,041	\$ 889	\$ 495,455	\$ (488,037)	\$ 55	\$ 8,362

The accompanying notes form an integral part of these consolidated financial statements.

GOLDEN MINERALS COMPANY
CONSOLIDATED STATEMENTS OF CASH FLOWS
(Expressed in United States dollars)

	Year Ended December 31,	
	2016	2015
	(in thousands)	
Cash flows from operating activities:		
Net cash used in operating activities (Note 19)	\$ (6,205)	\$ (9,935)
Cash flows from investing activities:		
Proceeds from sale of assets	1,167	789
Capitalized costs and acquisitions of property, plant and equipment	(50)	(44)
Net cash from investing activities	\$ 1,117	\$ 745
Cash flows from financing activities:		
Proceeds from issuance of common stock, net of issuance costs	3,599	—
Proceeds from the issuance of convertible note	—	5,000
Convertible note costs	—	(312)
Net cash from financing activities	\$ 3,599	\$ 4,688
Net decrease in cash and cash equivalents	(1,489)	(4,502)
Cash and cash equivalents, beginning of period	4,077	8,579
Cash and cash equivalents, end of period	\$ 2,588	\$ 4,077
Supplemental information:		
Interest paid, net of amounts capitalized	\$ —	\$ —
Income taxes paid	\$ —	\$ —
Non-cash transactions	\$ —	\$ —

The accompanying notes form an integral part of these consolidated financial statements.

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
(Expressed in United States dollars)

1. Nature of Operations

The Company is a mining company, holding a 100% interest in the Velardeña and Chicago precious metals mining properties and associated oxide and sulfide processing plants in Mexico (the “Velardeña Properties”). During November 2015 the Company suspended mining and sulfide processing activities at its Velardeña Properties in order to conserve the asset until the Company is able to develop mining and processing plans that at then current prices for silver and gold indicate a sustainable positive operating margin (defined as revenues less costs of sales) or the Company is able to locate, acquire and develop alternative mineral sources that could be economically mined and transported to the Velardeña Properties for processing. The Company has placed the mine and sulfide processing plant on care and maintenance to enable a re-start of either the mine or mill when mining and processing plans and metals prices support a cash positive outlook. The Company incurred approximately \$1.2 million in related shutdown costs for employee severance, net working capital obligations, and other shutdown expenditures to place the property on care and maintenance in the fourth quarter 2015 and \$2.0 million in shutdown and care and maintenance costs for the year ended December 31, 2016 and expects to incur approximately \$0.4 million in quarterly holding costs while mining and processing remain suspended. The Company has retained a core group of employees, most of whom have been assigned to operate the oxide plant, which is leased to a third party and not affected by the shutdown. The oxide plant began processing material for the third party in mid-December 2015, and the Company received net cash flow under the lease of approximately \$4.4 million in 2016. The third party has the right to extend the lease through December 31, 2018. The retained employees also include an exploration group and an operations and administrative group to continue to advance the Company’s plans in Mexico, oversee corporate compliance activities, and to maintain and safeguard the longer term value of the Velardeña assets.

The Company remains focused on evaluating and searching for mining opportunities in North America (including Mexico) with near term prospects of mining, and particularly for properties within reasonable haulage distances of our Velardeña Properties. The Company is also reviewing strategic opportunities, focusing primarily on development or operating properties in North America, including Mexico. The Company is continuing its exploration efforts on selected properties in its portfolio of approximately 10 exploration properties located primarily in Mexico. The Company also continues to hold its El Quevar advanced exploration property in Argentina on care and maintenance until it can fund further exploration or find a partner to further fund exploration.

The Company is considered an exploration stage company under the criteria set forth by the SEC as the Company has not yet demonstrated the existence of proven or probable mineral reserves, as defined by SEC Industry Guide 7, at the Velardeña Properties, or any of the Company’s other properties. As a result, and in accordance with GAAP for exploration stage companies, all expenditures for exploration and evaluation of the Company’s properties are expensed as incurred. As such the Company’s financial statements may not be comparable to the financial statements of mining companies that do have proven and probable mineral reserves. Such companies would typically capitalize certain development costs including infrastructure development and mining activities to access the ore. The capitalized costs would be amortized on a units-of-production basis as reserves are mined. The amortized costs are typically allocated to inventory and eventually to cost of sales as the inventories are sold. As the Company does not have proven and probable reserves, substantially all expenditures at the Company’s Velardeña Properties for mine construction activity, as well as costs associated with the mill facilities, and for items that do not have a readily identifiable market value apart from the mineralized material, have been expensed as incurred. Such costs are charged to cost of metals sold or project expense during the period depending on the nature of the costs. Certain of the costs may be reflected in inventories prior to the sale of the product. The term “mineralized material” as used herein, although permissible under SEC Industry Guide 7, does not indicate “reserves” by SEC standards. The Company cannot be certain that any deposits at the Velardeña Properties or any other exploration property will ever be confirmed or converted into SEC Industry Guide 7 compliant “reserves”.

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

2. Impairment of Long Lived Assets

Velardeña Properties Asset Groups – 2015 Impairment

The Velardeña Properties consists of two separate asset groups, one involving the oxide plant, which has been leased to a third party, and the other involving the mineral and exploration properties, sulfide plant, and mining and other equipment and working capital related to the mining and processing activities at the Velardeña Properties (the "Mineral Properties Asset Group"). Per the guidance of ASC 360, "Property, Plant and Equipment" ("ASC 360"), the Company assesses the recoverability of its long-lived assets, including property, plant and equipment whenever events or changes in circumstances indicate that the carrying value of the assets may not be recoverable. Mining and processing activities generated negative operating margin through September 30, 2015. Ongoing efforts during 2015 to improve the grade of mined material delivered to the sulfide plant for processing by limiting dilution in the stopes did not improve grades to a level sufficient to generate positive operating margins at 2015 metals prices. As a result, the Company suspended mining and processing activities at the Velardeña mine and sulfide plant during November 2015 (see Note 1).

The continued negative operating margin and the suspension of mining and sulfide processing activities at the Velardeña Properties during November 2015 were events that required an assessment of the recoverability of the Mineral Properties Asset Group at September 30, 2015. Per the guidance of ASC 360, recoverability of an asset group is not achieved if the projected undiscounted, pre-tax cash flows related to the asset group are less than its carrying amount. In its analysis of projected cash flows for the Mineral Properties Asset Group, the Company determined that the Mineral Properties Asset Group was impaired. As a result, at September 30, 2015 the Company recorded impairment charges totaling \$13.2 million to arrive at a remaining book value for the Mineral Properties Asset Group of \$3.7 million at September 30, 2015, as shown in the table below.

To determine whether the Mineral Properties Asset Group was impaired at September 30, 2015 the Company used a cash flow valuation approach, which the Company deemed reasonable under the circumstances, that considered metals price projections using a greater weighting of current prices. Based on the metals price projections and current operating experience for silver and gold grades, recoveries, and mining and processing costs, total projected net cash flow from mining and processing activities was negative, requiring that each of the individual components of the Mineral Properties Asset Group be written down to fair value.

The Mineral Properties Asset Group includes the mineral and exploration properties associated with the mining and sulfide processing activities at the Velardeña Properties. The discounted cash flow analysis performed by the Company implies a zero value for the mineral and exploration properties from mining and processing activities in the current economic environment, but the Company believes those properties have a residual value that could be realized from a sale to a third party. With assistance from a third-party mining consulting and engineering firm, in reviewing comparable sales of similar properties in the region and considering the location of the Company's properties to other active mining operations in close proximity to the Company's properties, the Company concluded that the mineral and exploration properties included in the Mineral Properties Asset Group had a fair value of \$1.4 million at September 30, 2015.

The tangible assets included in the Mineral Properties Asset Group, which includes buildings, plant and equipment, were separately analyzed by a third party valuation firm in 2013 using available market data to determine a fair value based on the net realizable value that could be received in a sale to a third party. The market data was derived by researching the secondary equipment market on sales and/or offers for sale of similar assets. The Mineral Properties Asset Group tangible assets were determined to have a fair value of approximately \$6.0 million as of June 30, 2013, and have since been further depreciated, reflecting a current net book value of approximately \$3.2 million as of September 30, 2015. The Company believes the current net book value of the Mineral Properties Asset Group tangible assets did not

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

exceed fair value at September 30, 2015. The assets continue to be used or held in condition for use to support future profitable operations from the acquisition, exploration and development of other mineral sources located near the Velardeña Properties.

The following table details the components of the impairment of the Mineral Properties Asset Group:

	Net Book Value Prior to Impairment at Sept. 30, 2015	Sept. 30, 2015 Impairment Charges (in thousands)	Net Book Value After Impairment at Sept. 30, 2015
Mineral and exploration properties	\$ 13,660	\$ 12,306	\$ 1,354
Exploration properties	458	458	—
Buildings, plant and equipment	3,236	—	3,236
Asset retirement cost	417	417	—
Other working capital, net	(872)	—	(872)
	<u>\$ 16,899</u>	<u>\$ 13,181</u>	<u>\$ 3,718</u>

Prior to assessing the recoverability of the assets comprising the Mineral Properties Asset Group, the Company also assessed the fair value of its material and supplies inventory at September 30, 2015, which is included in the Mineral Properties Asset Group. Because of the suspension of mining and processing activities at the Velardeña Properties, as noted above, a portion of the material and supplies inventory is expected to be sold at a discount to its pre-shutdown book value or to decline in value prior to its use in future mining and processing activities. As a result, the Company increased its reserve for obsolescence of the materials and supplies inventory and recorded a noncash charge to shut down costs of approximately \$0.4 million at September 30, 2015. At December 31, 2015, the Company re-evaluated its material and supplies inventory taking into account consumption and purchases during the quarter and reduced the reserve for obsolescence by approximately \$0.1 million.

Because of the close proximity of the asset group involving the oxide plant (the “Oxide Plant Asset Group”) the Company also assessed the recoverability of the Oxide Plant Asset Group at September 30, 2015. The Oxide Plant Asset Group, which has been leased to a third party, consists primarily of the oxide plant facilities with a carrying value at September 30, 2015 of \$1.3 million. The projected net cash flows from the lease are in excess of the carrying value of the Oxide Plant Asset Group and the Company therefore determined that the Oxide Plant Asset Group was not impaired.

The market approach used in the determination of fair value falls within Level 3 of the fair value hierarchy per ASC 820, “Fair Value Measurements and Disclosures” (“ASC 820”) (see Note 13) and relied upon a review of comparable sales of similar properties in the region and considered the location of the Company’s properties to other active mining operations in close proximity to the Company’s properties.

The Company evaluated its remaining long lived assets at December 31, 2016 and determined that no further impairment was required.

3. Summary of Significant Accounting Policies

The Company’s consolidated financial statements have been prepared in accordance with U.S. GAAP. The preparation of the Company’s consolidated financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and related disclosure of contingent assets and liabilities at the date

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. The more significant areas requiring the use of management estimates and assumptions relate to mineralized material and related future metals prices that are the basis for future cash flow estimates utilized in impairment calculations and units-of-production depreciation, depletion and amortization calculations; environmental reclamation and closure obligations; estimates of recoverable metals in stockpiles; valuation allowances for deferred tax assets and the fair value of financial instruments. The Company based its estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances. Actual results may differ significantly from these estimates under different assumptions or conditions.

The policies adopted, considered by management to be significant, are summarized as follows:

a. Basis of consolidation

All of the Company's consolidated subsidiaries are 100% owned and as such the Company does not have a noncontrolling interest in any of its subsidiaries. All intercompany transactions and balances have been eliminated at consolidation.

b. Translation of foreign currencies

Substantially all expenditures and sales are made in U.S. dollars. Accordingly, the Company and its subsidiaries use the U.S. dollar as their functional and reporting currency.

c. Cash and cash equivalents

The Company considers all highly liquid investments with a maturity of three months or less when purchased to be cash equivalents.

d. Inventories

Metals inventory at the Velardeña Properties consisted of marketable products including concentrates and precipitates. Metals inventory was carried at the lower of average cost or net realizable value. Net realizable value represents the estimated future sales price of the product based on spot and futures metals prices through estimated sale and settlement dates, less the estimated costs to complete processing and bring the product to sale. Costs included in metals inventory included direct and indirect costs of mining and processing, including depreciation. The Company had no metals inventories at December 31, 2016 and 2015 respectively as the result of the suspension of operations at its Velardeña Properties during November 2015 (see Note 1).

Materials and supplies inventories are valued at the lower of average cost or net realizable value. Cost includes applicable taxes and freight. The Company routinely counts and evaluates its material and supplies to determine the existence of any obsolete stock that is subject to impairment (see Note 2).

e. Mining properties, exploration and development costs

The Company expenses general prospecting costs and the costs of acquiring and exploring unevaluated mineral properties. When a mineral property is determined to have proven and probable reserves, subsequent development costs are capitalized to mineral properties. For acquired mineral properties with proven and probable reserves, the Company capitalizes acquisition costs and subsequent development costs. When mineral properties are developed and operations

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

commence, capitalized costs are charged to operations using the units-of-production method over proven and probable reserves. Upon abandonment or sale of a mineral property, all capitalized costs relating to the specific property are written off in the period abandoned or sold and a gain or loss is recognized in the accompanying Consolidated Statements of Operations and Comprehensive Loss.

As discussed in Note 1, the Company is considered an exploration stage company under the criteria set forth by the SEC since it has not yet demonstrated the existence of proven or probable reserves at the Velardeña Properties, or any of the Company's other properties. As such, the Company expenses costs as incurred related to the extraction of mineralized material at its Velardeña Properties. The Company established a cost basis for the mineralized material at the Velardeña Properties as a result of purchase accounting for the Company's business combination transaction with ECU Silver Mining Inc. ("ECU") in September 2011, the transaction pursuant to which the Company acquired the Velardeña Properties. Mineral properties acquired in the ECU merger were recorded at estimated fair market value based on valuations performed with the assistance of an independent appraisal firm and a minerals engineering company. Although the Company has not demonstrated the existence of proven and probable reserves, and the Company has not completed a pre-feasibility economic assessment, the Company had established the existence of mineralized material that was used in assigning value to mineral properties for purchase accounting purposes. The subsequent extraction of this mineralized material has provided a reasonable basis for the calculation of units-of-production depreciation for the cost basis in the mineral properties.

On a quarterly basis the Company evaluates its exploration properties to determine if they meet the Company's minimum requirements for continued evaluation. The rights to the properties that do not meet the minimum requirements are relinquished and the carrying values, if any, are written off and reflected in "*Other operating income, net*" on the accompanying Consolidated Statements of Operations and Comprehensive Loss. Costs of exploration subsequent to the application of fresh start accounting have been and will continue to be expensed.

f. Property, plant and equipment and long lived asset impairment

Buildings are depreciated using the straight-line method over the estimated useful lives of 30 to 40 years or the life of the mine whichever is shorter. Mining equipment and machinery, excluding the plant, are depreciated using the straight-line method over useful lives of three to eight years or the lease period, whichever is shorter. Mineral properties and the plant are depreciated using units of production based on estimated mineralized material. Other furniture and equipment are depreciated using the straight-line method over estimated useful lives of three to five years. Depreciation on plant and equipment used in the construction of an asset is capitalized to the constructed asset.

As discussed above, the Company does not have any properties with proven or probable reserves including the Velardeña Properties.

Property, plant and equipment are recorded at cost and per the guidance of ASC 360 the Company assesses the recoverability of its property, plant and equipment, including goodwill, whenever events or changes in circumstances indicate that the carrying value of the assets may not be recoverable. If the sum of estimated future net cash flows on an undiscounted basis is less than the carrying amount of the related asset, impairment is considered to exist. The related impairment loss is measured by comparing estimated future net cash flows on a discounted basis or by comparing other market indicators to the carrying amount of the asset (see Notes 2 and 8).

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

g. Asset Retirement Obligations

The Company records asset retirement obligations (“ARO”) in accordance with ASC 410, “Asset Retirement and Environmental Obligations” (“ASC 410”), which establishes a uniform methodology for accounting for estimated reclamation and abandonment costs. According to ASC 410, the fair value of an ARO is recognized in the period in which it is incurred if a reasonable estimate of fair value can be made. An offsetting asset retirement cost (“ARC”) is capitalized as part of the carrying value of the assets with which it is associated, and depreciated over the useful life of the asset (see Note 11).

The Company prepares estimates of the timing and amount of expected cash flows when an ARO is incurred. The fair value of the ARO is measured by discounting the expected cash flows using a discount rate that reflects the credit adjusted risk-free rate of interest. The Company records the fair value of an ARO when it is incurred and layer adjustments of the ARO are recorded as an adjustment to the corresponding ARC. The ARO is adjusted to reflect the passage of time (accretion cost) calculated by applying the discount rate implicit in the initial fair value measurement to the beginning-of-period carrying amount of the ARO. The Company records accretion costs to expense as incurred.

h. Revenue Recognition

Following the guidance of ASC 605, “Revenue Recognition” (“ASC 605”), the Company recognizes “Revenue from the sale of metals” at the earliest point that both risk of loss and title transfer to the purchaser pursuant to the terms of the Company’s sales agreements. Prices for concentrate and precipitate sales are fixed according to terms included in the sales agreements, which generally call for final pricing based on average metals prices observed over specific periods that range from 10 days prior to the transfer of title to the month following the month the product is received by the purchaser. Revenue is recorded based on estimated metals contained in the product from assay data and using either actual or projected prices for the pricing period specified in the sales agreement. Upon final settlement revenue may be adjusted for changes in actual contained metals and final metals prices.

The Company recognizes oxide plant lease fees and reimbursements for labor, utility and other costs as “Revenue from Oxide plant lease” in the Consolidated Statements of Operations and Comprehensive Loss following the guidance of ASC 605 regarding “income statement characterization of reimbursements received for “out-of-pocket” expenses incurred” and “reporting revenue gross as a principal versus net as an agent”. ASC 605 supports recording as gross revenue fees received for the reimbursement of expenses in situations where the recipient is the primary obligor and has certain discretion in the incurrence of the reimbursable expense. The actual costs incurred for the reimbursed labor, utility and other costs are reported as “Oxide plant lease costs” in the Consolidated Statement of Operations and Comprehensive Loss. The Company recognizes lease fees during the period the fees are earned per the terms of the lease (see Note 16).

i Stock compensation

Stock based compensation costs are recognized per the guidance of ASC 718, “Compensation — Stock Compensation” (“ASC 718”), using a graded vesting attribution method whereby costs are recognized over the requisite service period for each separately vesting portion of the award (see Note 15). Stock grants are valued at their grant date at fair value which in the case of options requires the use of the Black-Scholes option pricing model. Per ASC 718 the grants may be classified as equity grants or liability grants depending on the terms of the grant.

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

j. Net income (loss) per Share of Common Stock

Basic income (loss) per share is computed by dividing net income (loss) available to holders of the Company's Common Stock by the weighted average number of shares of Common Stock outstanding for the period. Diluted income (loss) per share reflects the potential dilution that would occur if securities or other contracts to issue Common Stock were exercised or converted into Common Stock.

At December 31, 2016 and 2015, all potentially dilutive shares were excluded from the computation of diluted earnings per share because to include them would have been anti-dilutive.

k. Comprehensive Income (Loss)

Comprehensive income (loss) is defined as all changes in equity (deficit), exclusive of transactions with stockholders, such as capital investments. Comprehensive income (loss) includes net income (loss) and changes in certain assets and liabilities that are reported directly in equity. For the years ended December 31, 2016 and 2015 Comprehensive loss included the change in the market value of available for sale securities and is reported on the Consolidated Statements of Operations and Comprehensive Loss.

l. Income Taxes

The Company accounts for income taxes in accordance with the provisions of ASC 740, "Income Taxes" ("ASC 740"), on a tax jurisdictional basis. The Company files United States and certain other foreign country income tax returns, and pays taxes reasonably determined to be due. The tax rules and regulations in these countries are highly complex and subject to interpretation. The Company's income tax returns are subject to examination by the relevant taxing authorities and in connection with such examinations, disputes can arise with the taxing authorities over the interpretation or application of certain tax rules within the country involved. In accordance with ASC 740, the Company identifies and evaluates uncertain tax positions, and recognizes the impact of uncertain tax positions for which there is a less than more-likely-than-not probability of the position being upheld when reviewed by the relevant taxing authority. Such positions are deemed to be unrecognized tax benefits and a corresponding liability is established on the balance sheet.

The Company classifies income tax related interest and penalties as income tax expense.

m. Recently Adopted Standards

In April 2015, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2015-03, "Interest—Imputation of Interest (Subtopic 835-30): Simplifying the Presentation of Debt Issuance Costs" ("ASU 2015-03"). The purpose of the standard update is to simplify presentation of debt issuance costs. ASU 2015-03 requires that debt issuance costs related to a recognized debt liability be presented in the balance sheet as a direct deduction from the carrying amount of that debt liability, consistent with debt discounts. Amortization of the discount or premium shall be reported as interest expense in the case of liabilities or as interest income in the case of assets. Amortization of debt issuance costs also shall be reported as interest expense. ASU No. 2015-03 becomes effective for fiscal years beginning after December 15, 2015, and interim periods within those fiscal years. Early adoption is permitted and the Company adopted ASU 2015-03 in 2015. The adoption of this standard did not have a material impact on the Company's financial position or results of operations.

On August 27, 2014, the FASB issued ASU No. 2014-15, "Presentation of Financial Statements - Going Concern (Subtopic 205-40), Disclosure of Uncertainties about an Entity's Ability to Continue as a Going Concern" ("ASU

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
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2014-15”). ASU 2014-15 will require management to evaluate whether there are conditions and events that raise substantial doubt about the Company’s ability to continue as a going concern within one year after the financial statements are issued on both an interim and annual basis. Management is required to provide certain footnote disclosures if it concludes that substantial doubt exists or when its plans alleviate substantial doubt about the Company’s ability to continue as a going concern. The Company adopted ASU 2014-15 in 2016. The adoption of ASU 2014-15 did not have a material impact on the Company’s consolidated financial position or results of operations.

In April 2014 the FASB issued ASU No. 2014-08, “Presentation of Financial Statements (Topic 205) and Property, Plant, and Equipment (Topic 360): Reporting Discontinued Operations and Disclosures of Disposals of Components of an Entity” (“ASU 2014-08”). ASU 2014-08 changes the criteria for reporting discontinued operations while enhancing disclosures in this area. Under ASU 2014-08, only disposals representing a strategic shift in operations will be presented as discontinued operations. Additionally, ASU 2014-08 requires expanded disclosures about discontinued operations that will provide financial statement users with more information about the assets, liabilities, income, and expenses of discontinued operations. ASU 2014-08 became effective for the Company January 1, 2015. The adoption of ASU 2014-08 did not have a material impact on the Company’s consolidated financial position or results of operations.

n. Recently Issued Pronouncements

In March 2016, the Financial Accounting Standards Board (“FASB”) issued Accounting Standards Update (“ASU”) 2016-09, “Compensation—Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting” (“ASU 2016-09”), which simplifies several aspects of the accounting for share-based payment award transactions including accounting for income taxes and classification of excess tax benefits on the statement of cash flows, forfeitures and minimum statutory tax withholding requirements. For the Company, ASU 2016-09 is effective for annual periods beginning after December 15, 2016, and interim periods within those annual periods. Early adoption is permitted for any interim or annual period. The Company does not anticipate early adoption of ASU 2016-09. The Company does not expect the adoption of ASU 2016-09 to materially change its current accounting methods and therefore the Company does not expect the adoption to have a material impact on its consolidated financial position or results of operations.

In March 2016, the FASB issued ASU 2016-08, “Revenue from Contracts with Customers (Topic 606): Principal versus Agent Considerations (Reporting Revenue Gross versus Net)” (“ASU 2016-08”), which clarifies principal versus agent when another party, along with the entity, is involved in providing a good or service to a customer. Topic 606, *Revenue from Contracts with Customers*, requires an entity to determine whether the nature of its promise is to provide that good or service to the customer (i.e., the entity is a principal) or to arrange for the good or service to be provided to the customer by the other party (i.e., the entity is an agent). For the Company, ASU 2016-08 is effective for annual reporting periods beginning after December 15, 2017, including interim periods within that reporting period. Early application is not permitted. As the Company’s current accounting practices per the guidance of ASC 605 are comparable to the requirements of ASU 2016-08, the Company does not expect the adoption of this update to result in a material impact on its consolidated financial position or results of operations or the requirement for retrospective reporting.

In February 2016, the FASB issued ASU 2016-02, “Leases” (“ASU 2016-02”), which will require lessees to recognize a right-of-use asset and a lease liability for all leases that are not short-term in nature. For a lessor, the accounting applied is also largely unchanged from previous guidance. The new rules will be effective for the Company in the first quarter of 2019. The Company does not anticipate early adoption. The Company does not expect the adoption of ASU 2016-02 to materially change its current accounting methods and therefore the Company does not expect the adoption to have a material impact on its consolidated financial position or results of operations.

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

In January 2016, the FASB issued ASU No. 2016-01, “Recognition and Measurement of Financial Assets and Financial Liabilities” (“ASU 2016-01”) which amended its standards related to the accounting of certain financial instruments. This amendment addresses certain aspects of recognition, measurement, presentation and disclosure. The new rules will become effective for annual and interim periods beginning after December 15, 2017. Early adoption is not permitted. We are in the process of evaluating the impact the amendment will have on our consolidated financial position or results of operations.

In November 2015, the FASB issued ASU No. 2015-17, “Income Taxes: Balance Sheet Classification of Deferred Taxes” (“ASU 2015-17”). ASU 2015-17 requires that deferred tax assets and liabilities be classified as noncurrent on the balance sheet. This update is effective for fiscal years, and interim periods within those years, beginning after December 15, 2016. The Company does not plan early adoption of this update and does not expect the adoption of the update to materially change its current accounting methods and therefore the Company does not expect the adoption to have a material impact on its consolidated financial position or results of operations.

In July 2015, the FASB issued ASU No. 2015-11, “Inventory, Simplifying the Measurement of Inventory” (“ASU 2015-11”). ASU 2015-11 affects reporting entities that measure inventory using first-in, first-out or average cost. ASU 2015-11 requires that inventory be measured at the lower of cost and net realizable value. Net realizable value is the estimated selling prices in the ordinary course of business, less reasonably predictable costs of completion, disposal, and transportation. ASU 2015-11 is effective for annual periods beginning after December 15, 2016, with early adoption permitted. The Company does not plan early adoption of ASU 2015-11 and does not expect the adoption of ASU 2015-11 to have a material impact on the Company’s consolidated financial position or results of operations as the adoption will not materially change its current accounting methods.

In May 2014, FASB and the International Accounting Standards Board issued ASU No. 2014-09, “Revenue from Contracts with Customers (Topic 606)” (“ASU 2014-09”). ASU 2014-09 outlines a single comprehensive model for entities to use in accounting for revenue arising from contracts with customers and supersedes most current revenue recognition guidance, including industry-specific guidance. In addition, the guidance requires improved disclosures to help users of financial statements better understand the nature, amount, timing and uncertainty of revenue that is recognized and the related cash flows. ASU 2014-09 is effective for interim and annual periods beginning after December 15, 2017; early adoption is not permitted. ASU 2014-09 was originally effective December 15, 2016 but ASU 2015-14 deferred the effective date by one year. The Company is evaluating the financial statement implications of adopting ASU 2014-09 but does not believe adoption of ASU 2014-09 will have a material impact on its consolidated financial position or results of operations.

4. Cash and Cash Equivalents and Short-Term Investments

The Company considers all highly liquid investments with a maturity of three months or less when purchased to be cash equivalents. Short-term investments include investments with maturities greater than three months, but not exceeding 12 months, or highly liquid investments with maturities greater than 12 months that the Company intends to liquidate during the next 12 months for working capital needs.

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NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

The following tables summarize the Company's short-term investments at December 31, 2016 and 2015:

<u>December 31, 2016</u>	<u>Cost</u>	<u>Estimated Fair Value</u>	<u>Carrying Value</u>
		(in thousands)	
Investments:			
Short-term:			
Available for sale common stock	\$ 275	\$ 334	\$ 334
Total available for sale	275	334	334
Total short term	<u>\$ 275</u>	<u>\$ 334</u>	<u>\$ 334</u>
December 31, 2015			
Investments:			
Short-term:			
Available for sale common stock	\$ 199	\$ 72	\$ 72
Total available for sale	199	72	72
Total short term	<u>\$ 199</u>	<u>\$ 72</u>	<u>\$ 72</u>

Credit Risk

The Company invests substantially all of its excess cash with high credit-quality financial institutions or in U.S. government or debt securities. Credit risk is the risk that a third party might fail to fulfill its performance obligations under the terms of a financial instrument. For cash and equivalents and investments, credit risk represents the carrying amount on the balance sheet. The Company mitigates credit risk for cash and equivalents and investments by placing its funds and investments with high credit-quality financial institutions, limiting the amount of exposure to each of the financial institutions, monitoring the financial condition of the financial institutions and investing only in government and corporate securities rated "investment grade" or better. The Company invests with financial institutions that maintain a net worth of not less than \$1 billion and are members in good standing of the Securities Investor Protection Corporation.

5. Prepaid Expenses and Other Assets

Prepaid expenses and other assets consist of the following:

	<u>December 31,</u>	
	<u>2016</u>	<u>2015</u>
	(in thousands)	
Prepaid insurance	\$ 296	\$ 302
Prepaid contractor fees and vendor advances	—	12
Deferred offering costs	153	—
Recoupable deposits and other	129	137
	<u>\$ 578</u>	<u>\$ 451</u>

The deferred offering costs are related to the ATM Program discussed in detail in Note 15.

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6. Inventories

Inventories at the Velardeña Properties were as follows:

	December 31,	
	2016	2015
	(in thousands)	
Material and supplies	\$ 245	\$ 330
	<u>\$ 245</u>	<u>\$ 330</u>

The Company had no metals or in process inventories at December 31, 2016 and 2015 as the result of the suspension of mining and processing at the Velardeña Properties (see Note 1). The material and supplies inventory at December 31, 2016 and 2015 is reduced by a \$0.3 million obsolescence charge reflected in shutdown costs.

7. Value added tax receivable

The Company has recorded value added tax ("VAT") paid in Mexico and related to the Velardeña Properties as a recoverable asset. Mexico law allows for certain VAT payments to be recovered through ongoing applications for refunds. At December 31, 2016 the Company had recorded only a nominal VAT receivable which it expects to recover within a one-year period. The VAT receivable at December 31, 2015 was fully recovered during 2016.

The Company has also paid VAT in Mexico as well as other countries, primarily related to exploration projects, which has been charged to expense as incurred because of the uncertainty of recoverability.

8. Property, Plant and Equipment

Property, plant and equipment, net

The components of property, plant, and equipment, net were as follows:

	December 31,	
	2016	2015
	(in thousands)	
Mineral properties	\$ 9,352	\$ 9,630
Exploration properties	2,518	2,518
Royalty properties	200	200
Buildings	4,386	4,377
Mining equipment and machinery	16,351	16,998
Other furniture and equipment	952	841
Asset retirement cost	992	1,285
	<u>34,751</u>	<u>35,849</u>
Less: Accumulated depreciation and amortization	(25,516)	(24,724)
	<u>\$ 9,235</u>	<u>\$ 11,125</u>

On August 8, 2016, the Company sold certain mining equipment consisting of two haul trucks, two scoop trams and a compressor to Minera Indé, an indirect subsidiary of Sentient, for \$687,000 (see Note 23). The equipment sold was excess equipment held at the Company's Velardeña Properties that the Company does not expect to use. The equipment

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had a net book value of \$27,000 resulting in a gain of \$660,000. The gain is included in “*Other operating income, net*” in the accompanying Consolidated Statements of Operations and Comprehensive Loss. The Company received \$69,000 or 10% of the sales price at the closing of the sale, with the remaining \$618,000 plus interest on the unpaid balance at an annual rate of 10% due in February 2017. At December 31, 2016 the Company had recorded a receivable of \$643,000 related to the sale, including accrued interest. The receivable amount is included in “*Related party receivable*” in the accompanying Consolidated Balance Sheets. The Company expects to amend the original equipment sale in February 2017 to include the sale of an additional piece of excess equipment for \$185,000. Upon execution of the amendment the Company expects to receive an additional payment of \$100,000, and the remaining principal and interest balance as of February 2017 of \$737,000, plus additional interest on the unpaid balance at an annual rate of 10%, would be due in August 2017.

On August 2, 2016, the Company entered into a definitive agreement to sell its remaining 50% interest in the San Diego exploration property in Mexico to Golden Tag Resources Ltd (“Golden Tag”), the company that held the other 50% interest in the property. As a result of the sale, the Company received approximately \$379,000 in cash and 2,500,000 common shares of Golden Tag. Pursuant to the agreement, Golden Tag will be required to pay the Company a 2.0% net smelter return royalty in respect to the San Diego property. The Company had previously written down the value of the San Diego property to approximately zero and accordingly recognized a gain of approximately \$0.5 million on the sale. The gain is included in “*Other operating income, net*” in the accompanying Consolidated Statements of Operations and Comprehensive Loss. Following this transaction, the Company now holds 7,500,000 common shares representing approximately 10% of the outstanding common shares of Golden Tag (see Note 4).

In the third quarter 2016, the Company, through its wholly owned Mexican subsidiary, entered into an earn-in agreement with a 100% owned Mexican subsidiary of Electrum Global Holdings, L.P., a privately owned company (together “Electrum”), related to the Company’s Celaya exploration property in Mexico. The Company received an upfront payment of \$0.2 million and Electrum has agreed to incur exploration expenditures totaling at least \$0.5 million in the first year of the agreement, reduced by certain costs Electrum previously incurred on the property since December 2015 in its ongoing surface exploration program. The Company has previously expensed all of its costs associated with the Celaya property and accordingly recognized a gain of \$0.2 million from the farm-out of the property in the third quarter 2016. The gain is included in “*Other operating income, net*” in the accompanying Consolidated Statements of Operations and Comprehensive Loss.

On April 28, 2016, the Company entered into an option agreement under which Santa Cruz Silver Mining Ltd. (“Santa Cruz”) may acquire the Company’s interest in certain nonstrategic mineral claims located in the Zacatecas Mining District, Zacatecas, Mexico (the “Zacatecas Properties”) for a series of payments totaling \$1.5 million. Santa Cruz paid the Company \$0.2 million on signing the agreement and an additional \$0.2 million in October 2016. In order to maintain its option and acquire the Zacatecas Properties, Santa Cruz is required to pay additional amounts of \$0.3 million, \$0.3 million and \$0.5 million due 12, 18 and 24 months after signing respectively. Santa Cruz has the right to terminate the option agreement at any time, and the agreement will terminate if Santa Cruz fails to make a payment when due. The Company has previously expensed all of its costs associated with the Zacatecas Properties and accordingly recognized a gain of \$0.4 million on the first two payments received which is included in “*Other operating income, net*” in the accompanying Consolidated Statements of Operations and Comprehensive Loss.

During the year ended December 31, 2015 the Company received \$0.3 million related to an option agreement on its Otuzco property in Peru. In addition, the Company sold certain non-strategic mining concessions and equipment for net proceeds of approximately \$0.5 million and recorded a \$0.2 million gain on the transactions. The net gains for the above transactions are reflected in “*Other operating income, net*” in the accompanying Consolidated Statements of Operations and Comprehensive Loss.

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The ARC is all related to the Company's Velardeña Properties. The decrease in the ARC during the period is related to an adjustment to the ARO (see Note 11) and to the impairment of the ARC, as discussed below.

At September 30, 2015 the Company determined that the recoverability of certain mineral property and exploration property costs related to the Velardeña Properties Mineral Properties Asset Group was impaired. The Company reduced the carrying value of the Velardeña Properties mineral and exploration properties by \$12.8 million and the ARC by \$0.4 million and recorded a \$13.2 million impairment charge on the accompanying Consolidated Statements of Operations and Comprehensive Loss (see Note 2). The table below sets forth the detail of the impairment charges recorded to the Velardeña Properties property, plant and equipment:

	Gross Value Prior to Impairment at Sept. 30, 2015	Impairment Charge Minerals Properties Asset Group (in thousands)	Gross Value After Impairment at Sept. 30, 2015
Mineral properties	\$ 21,936	\$ 12,306	\$ 9,630
Exploration properties	3,001	458	2,543
Royalty properties	200	—	200
Buildings	4,377	—	4,377
Mining equipment and machinery	17,181	—	17,181
Other furniture and equipment	841	—	841
Asset retirement cost	1,702	417	1,285
	<u>\$ 49,238</u>	<u>\$ 13,181</u>	<u>\$ 36,057</u>

The carrying value after the impairment at September 30, 2015 represents the fair value of the assets as discussed in Note 3.

9. Accounts Payable and Other Accrued Liabilities

The Company's accounts payable and other accrued liabilities consist of the following:

	December 31,	
	2016	2015
	(in thousands)	
Accounts payable and accruals	\$ 344	\$ 599
Accrued employee compensation and benefits	880	545
	<u>\$ 1,224</u>	<u>\$ 1,144</u>

December 31, 2016

Accounts payable and accruals at December 31, 2016 consist primarily of \$0.1 million and \$0.2 million due to contractors and suppliers related to the Company's Velardeña Properties and corporate administrative activities, respectively. In the case of the Velardeña Properties, amounts due also include VAT payable that partially offset by a small VAT receivable.

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Accrued employee compensation and benefits at December 31, 2016 consist of \$0.2 million of accrued vacation payable, \$0.4 million related to withholding taxes and benefits payable, of which \$0.2 million is related to activities at the Velardeña Properties, and \$0.3 million related to the Key Employee Long-Term Incentive Plan ("KELTIP") (see Note 15).

December 31, 2015

Accounts payable and accruals at December 31, 2015 consist primarily of \$0.3 million and \$0.3 million due to contractors and suppliers related to the Company's Velardeña Properties and corporate administrative activities, respectively. In the case of the Velardeña Properties, amounts due also include VAT payable that is not an offset to the VAT receivable.

Accrued employee compensation and benefits at December 31, 2015 consist of \$0.1 million of accrued vacation payable, \$0.4 million related to withholding taxes and benefits payable, of which \$0.2 million is related to activities at the Velardeña Properties, and \$0.1 million related to the KELTIP) (see Note 15).

10. Convertible Note Payable – Related Party, Net

On October 27, 2015, the Company closed and borrowed the entire amount available under a \$5.0 million secured convertible loan (the "Sentient Loan") from The Sentient Group ("Sentient") with principal and accrued interest due on October 27, 2016. To comply with security regulations and stock exchange rules in the United States and Canada, the Company received stockholder approval on January 19, 2016 to allow principal and accrued interest under the Senior Secured Convertible Note (the "Sentient Note") to be converted, solely at Sentient's option, into shares of the Company's common stock at a price equal to the lowest of: 1) \$0.29, 90 percent of the 15-day volume weighted average price ("VWAP") for the period immediately preceding the loan closing date, 2) 90 percent of the 15-day VWAP for the period immediately preceding the Loan conversion date, or 3) an anti-dilution adjusted price based on the lowest price for which the Company has sold its stock following the Loan closing date. The Loan bore interest at a rate of 9.0% per annum, compounded monthly.

On February 11, 2016, Sentient converted approximately \$3.9 million of principal and \$0.1 million of accrued interest under the Sentient Note (representing the total amount of accrued interest at the conversion date) into 23,355,000 shares of the Company's common stock at an exercise price of approximately \$0.172 per share, equal to 90% of the 15-day VWAP immediately preceding the conversion date. On June 10, 2016, Sentient converted the remaining approximately \$1.1 million of principal and approximately \$34,000 of accrued interest (representing the total amount of accrued interest at the conversion date) into 4,011,740 shares of the Company's common stock at an exercise price of approximately \$0.289 per share, equal to 90% of the 15-day VWAP immediately preceding the loan's original issue date.

The beneficial conversion feature of the Sentient Note represented an embedded derivative as defined by ASC 815 "Derivatives and Hedging" ("ASC 815"). ASC 815 provides that a derivative instrument's fair value must be bifurcated from the note and separately recorded on the Company's Consolidated Balance Sheet. The Company used a third party consultant to value the embedded derivative in the Sentient Note employing a Monte Carlo type probability analysis, which falls within Level 3 of the fair value hierarchy (see Note 13). For purposes of valuing the embedded derivative as of the Sentient Loan closing date, at December 31, 2015, at February 11, 2016 (first partial conversion date), and at June 10, 2016 (the remaining conversion date), the valuation model took into account, among other items: 1) the probability of successfully achieving stockholder approval of the Sentient Note's conversion feature, 2) future variations in the Company's stock price, and 3) the probability of entering into an equity transaction prior to the Sentient loan maturity date that would lower the conversion price. It was determined that the embedded derivative had a fair value of approximately \$1.1 million at October 27, 2015, the date the Company entered into the Sentient Loan. Subsequent mark-to-market

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changes in the value of the derivative were recorded as income or loss in the Consolidated Statements of Operations and Comprehensive Loss. The Sentient Note was recorded net of the bifurcated embedded derivative at October 27, 2015 with the \$1.1 million difference between the face value and the recorded value of the Note representing a loan discount that was amortized to interest expense over the life of the loan using the interest rate method.

The Company incurred approximately \$0.3 million in legal and other costs associated with the Sentient Loan. Per the guidance of ASU 2015-03 the loan costs were presented as a reduction to the note payable on the accompanying Consolidated Balance Sheets and were amortized to interest expense over the life of the Sentient note using the interest rate method (see Note 3).

The derivative was recorded at fair value with subsequent mark-to-market changes in the value of the derivative recorded as income or loss in the Consolidated Statements of Operations and Comprehensive Loss. It was determined that the embedded derivative had a fair value of approximately \$1.1 million at October 27, 2015, the date the Company entered into the Sentient Loan. At December 31, 2015 the embedded derivative had a fair value of approximately \$0.5 million and the Company recorded a gain of approximately \$0.6 million.

Because the Sentient Loan was recorded net of the bifurcated embedded derivative and loan costs, both of which were amortized to interest expense over the life of the loan, the effective rate of interest on the recorded loan obligation was higher than the stated nominal rate of interest. The effective interest rate on the Sentient Note was approximately 36%, compounded monthly, compared to the stated nominal rate of 9.0% per annum, compounded monthly.

The Company adjusted the recorded value of the Sentient Loan as of the conversion dates to reflect the amortization of the loan discount and loan costs, shown as “*Interest expense*” in the Consolidated Statements of Operations and Comprehensive Loss. For the year ended December 31, 2016, the Company recorded a total noncash loss on debt extinguishment of \$1.7 million reflecting the difference between the value of the shares issued to Sentient as a result of the two separate conversions and the recorded value of the Sentient Loan, including related loan costs, loan discount and embedded derivative eliminated at the conversion dates. The Company marked-to-market the embedded derivative at each of the conversion dates and recorded a total derivative loss of \$0.8 million during the year ended December 31, 2016 in the Condensed Consolidated Statements of Operations and Comprehensive Loss.

At December 31, 2016 the Sentient Note had been fully converted and the Company had no outstanding debt.

11. Asset Retirement and Reclamation Liabilities

The Company retained the services of a mining engineering firm to prepare a detailed closure plan for the Velardeña Properties. The plan was completed during the second quarter 2012 and indicated that the Company had an ARO and offsetting ARC of approximately \$1.9 million. The estimated \$3.5 million ARO and ARC that was recorded at the time of the acquisition of the Velardeña Properties was adjusted accordingly.

The Company will continue to accrue additional estimated ARO amounts based on an asset retirement plan as activities requiring future reclamation and remediation occur. During the year ended December 31, 2016 the Company recognized approximately \$0.2 million of accretion expense and approximately \$33,000 of amortization expense related to the ARC.

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The following table summarizes activity in the Velardeña Properties ARO:

	Year Ended December 31,	
	2016	2015
	(in thousands)	
Beginning balance	\$ 2,480	\$ 2,582
Changes in estimates, and other	(293)	(300)
Accretion expense	193	198
Ending balance	<u>\$ 2,380</u>	<u>\$ 2,480</u>

The decrease in the ARO recorded during the years ended December 31, 2016 and 2015 is the result of changes in assumptions related to inflation factors and discount rates used in the determination of future cash flows.

The ARO set forth on the accompanying Condensed Consolidated Balance Sheets at December 31, 2016 and December 31, 2015 includes approximately \$0.1 million of reclamation liabilities related to activities at the El Quevar project in Argentina for each of the periods.

12. Other Liabilities

The Company recorded other current liabilities of approximately nil and \$0.6 million at December 31, 2016 and December 31, 2015 respectively. The December 31, 2015 amount includes a net liability of approximately \$0.4 million related to the Argentina tax on equity due for years 2009 through 2012 stemming from a tax audit of those years, including approximately \$0.2 million of estimated interest and penalties.

During the first four months of 2016 the Company paid approximately \$0.2 million of Argentine tax on equity leaving approximately \$0.2 million of estimated interest and penalties awaiting a final assessment from the tax authorities. During the third quarter 2016 the Argentine government adopted an amnesty program that the Company effectively used to eliminate the remaining \$0.2 million of interest and penalties that had been accrued. The reversal of the accrual reduced expenses incurred at the El Quevar project during the third quarter 2016.

The December 31, 2015 amount also includes \$0.1 million of accrued interest on the Sentient Loan and \$0.1 million as a loss contingency on a disputed contract with a third party contractor in Mexico. The dispute was settled during the first quarter 2016 for the amount previously accrued.

13. Fair Value Measurements

Financial assets and liabilities and nonfinancial assets and liabilities are measured at fair value on a recurring (annual) basis under a framework of a fair value hierarchy which prioritizes the inputs into valuation techniques used to measure fair value into three broad levels. This hierarchy gives the highest priority to quoted prices (unadjusted) in active markets and the lowest priority to unobservable inputs. Further, financial assets and liabilities should be classified by level in their entirety based upon the lowest level of input that was significant to the fair value measurement. The three levels of the fair value hierarchy per ASC 820 are as follows:

Level 1: Unadjusted quoted market prices in active markets for identical assets or liabilities that are accessible at the measurement date.

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Level 2: Quoted prices in inactive markets for identical assets or liabilities, quoted prices for similar assets or liabilities in active markets, or other observable inputs either directly related to the asset or liability or derived principally from corroborated observable market data.

Level 3: Unobservable inputs due to the fact that there is little or no market activity. This entails using assumptions in models which estimate what market participants would use in pricing the asset or liability.

The Company has consistently applied the valuation techniques discussed in Notes 2, 10 and 15 in all periods presented.

Recurring Fair Value Measurements

The following table summarizes the Company's financial assets and liabilities measured on a recurring basis at fair value at December 31, 2016 and 2015 by respective level of the fair value hierarchy:

	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>Total</u>
	(in thousands)			
At December 31, 2016				
Assets:				
Cash and cash equivalents	\$ 2,588	\$ —	\$ —	\$ 2,588
Trade accounts receivable	380	—	—	380
Short-term investments	334	—	—	334
	<u>\$ 3,302</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 3,302</u>
Liabilities:				
Warrant liability - related party	\$ —	\$ —	\$ 976	\$ 976
Warrant liability	—	—	922	922
	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 1,898</u>	<u>\$ 1,898</u>
At December 31, 2015				
Assets:				
Cash and cash equivalents	\$ 4,077	\$ —	\$ —	\$ 4,077
Trade accounts receivable	546	—	—	546
Short-term investments	72	—	—	72
	<u>\$ 4,695</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 4,695</u>
Liabilities:				
Warrant liability - related party	\$ —	\$ —	\$ 117	\$ 117
Warrant liability	—	—	93	93
Derivative liability - related party	—	—	488	488
	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 698</u>	<u>\$ 698</u>

The Company's cash equivalents, comprised principally of U.S. treasury securities, are classified within Level 1 of the fair value hierarchy.

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The Company's trade accounts receivable are classified within Level 1 of the fair value hierarchy, are related to the sale of metals at our Velardeña Properties and the oxide plant lease and are valued at published metals prices per the terms of the refining and smelting agreements and lease rates per the plant lease agreement.

At December 31, 2016 and 2015, the Company recorded a liability for warrants to acquire the Company's stock as a result of anti-dilution clauses in the warrant agreements that could result in a resetting of the warrant exercise price in the event the Company were to issue additional shares of its common stock in a future transaction at a price lower than the current exercise price of the warrants (see Note 15). The Company assesses the fair value of its warrant liability at the end of each reporting period, with changes in the value recorded as "*Warrant derivative (loss) gain*" on the Company's Condensed Consolidated Statements of Operations and Comprehensive Loss. The valuation policies are approved by the Chief Financial Officer who reviews and approves the inputs used in the fair value calculations and the changes in fair value measurements from period to period for reasonableness. Fair value measurements are discussed with the Company's Chief Executive Officer, as deemed appropriate. The warrant liability has been recorded at fair value as of December 31, 2016 and 2015 based primarily on a valuation performed by a third party expert using a Monte Carlo simulation, which falls within Level 3 of the fair value hierarchy. The valuation model takes into account the probability that the Company could issue additional shares in a future transaction at a lower price than the current exercise price of the warrants.

The beneficial conversion feature of the Sentient Note represents an embedded derivative as defined by ASC 815 (see Note 10). ASC 815 provides that a derivative instrument's fair value must be bifurcated from the host contract and separately recorded on the Company's Condensed Consolidated Balance Sheets. At December 31, 2015 and at each of the conversion dates (see Note 10), the Company had recorded a derivative liability related to the beneficial conversion feature of the Sentient Note. On June 10, 2016, the remaining Sentient Note and related embedded derivative had been fully retired. The Company assesses the fair value of the derivative liability at the end of each reporting period, with changes in the value recorded as "*Derivative loss*" on the Company's Condensed Consolidated Statements of Operations and Comprehensive Loss. The valuation policies are approved by the Chief Financial Officer who reviews and approves the inputs used in the fair value calculations and the changes in fair value measurements from period to period for reasonableness. Fair value measurements are discussed with the Company's Chief Executive Officer, as deemed appropriate. The derivative liability was recorded at fair value at December 31, 2015 and each of the conversion dates based primarily on a valuation performed by a third party expert using a Monte Carlo simulation, which falls within Level 3 of the fair value hierarchy. The valuation model takes into account, among other items: 1) the probability of successfully achieving stockholder approval of the loan's conversion feature, 2) future variations in the Company's stock price, and 3) the probability of entering into an equity transaction prior to the Loan maturity date that would lower the conversion price.

In addition to the warrant exercise prices (see Note 15) and Sentient Note conversion price (see Note 10) other significant inputs to the warrant valuation model and derivative valuation model included the following as applicable:

	December 31, 2016	December 31, 2015
Company's ending stock price	\$ 0.58	\$ 0.20
Company's stock volatility	110%	85%
Applicable risk free interest rate	1.39%	1.48%

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An increase or decrease in the Company's stock price, in isolation, would result in a relatively lower or higher fair value measurement respectively. A decrease in the probability of the issuance of additional common stock at a lower price than the current warrant exercise price would result in a lower value for the warrants. The table below highlights the change in fair value of the warrant liability and the derivative liability.

	Fair Value Measurements Using Significant Unobservable Inputs (Level 3)	
	Warrant Liabilities	Derivative Liability
	<i>(in thousands)</i>	
Beginning balance at January 1, 2015	\$ 1,554	\$ —
Sentient Note, October 27, 2015	—	1,040
Change in estimated fair value	(1,344)	(552)
Ending balance at December 31, 2015	\$ 210	\$ 488
Conversion of Sentient Loan (see Note 10)	—	(488)
Change in estimated fair value	1,688	—
Ending balance at December 31, 2016	\$ 1,898	\$ —

Non-recurring Fair Value Measurements

There were no non-recurring fair value measurements at December 31, 2016.

The Company did conduct a fair value assessment of its mineral properties related to the Velardeña Properties at September 30, 2015 (see Note 2). The following table summarizes the Company's non-recurring fair value measurements at September 30, 2015 by respective level of the fair value hierarchy:

	Level 1	Level 2	Level 3	Total
	<i>(in thousands)</i>			
At September 30, 2015				
Assets:				
Mineral properties	\$ —	\$ —	\$ 1,354	\$ 1,354
	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 1,354</u>	<u>\$ 1,354</u>

The Company assesses the fair value of its long lived assets if circumstances indicate a change in the fair value has occurred. The valuation policies are approved by the Chief Financial Officer who reviews and approves the inputs used in the fair value calculations and the changes in fair value measurements from period to period for reasonableness. Fair value measurements are discussed with the Company's Chief Executive Officer, as deemed appropriate.

To determine the fair value of mineral properties the Company uses a discounted cash flow evaluation approach and relied on a third party mining consulting and engineering firm to assist with the determination of a residual value for the Velardeña mineral properties, which falls within Level 3 of the fair value hierarchy. The discounted cash flow valuation approach relies upon assumptions for future metals prices and projected silver and gold grades, recoveries, and mining and processing costs related to the Velardeña Properties. In determining the residual value of the mineral properties the third-party mining consulting and engineering firm reviewed comparable sales of similar properties in the region and considered the location of the Company's properties to other active mining operations in close proximity to the Company's properties. See Note 2 for further details related to the determination of fair value.

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14. Income Taxes

The Company accounts for income taxes in accordance with the provisions of ASC 740, "Income Taxes" ("ASC 740") on a tax jurisdictional basis.

Income (loss) from operations before income taxes by country consists of the following:

	For the Year Ended December 31,	
	2016	2015
	(in thousands)	
United States	\$ (11,732)	\$ (6,484)
Other Countries	1,073	(18,899)
	<u>\$ (10,659)</u>	<u>\$ (25,383)</u>

In 2016 and 2015 the Company recorded no current or deferred tax expense or benefit, as any tax expense or benefit incurred during the year has been offset against a change in the valuation allowance of various deferred tax assets in each country.

A reconciliation of the provision for income taxes computed at the statutory rate to the provision for income taxes as shown in the Consolidated Statements of Operations and Comprehensive Loss is summarized below.

	For Year Ended December 31,	
	2016	2015
	(in thousands)	
Tax expense (benefit) at US rate of 34%	\$ (3,624)	\$ (8,630)
Other adjustments:		
Rate differential of other jurisdictions	(98)	681
Effects of foreign earnings	(786)	(1,475)
Change in valuation allowance	(4,690)	3,745
Provision to tax return true-ups	209	(10,533)
Exchange rate changes on deferred tax assets	8,802	15,772
Effect of a change in tax rates	(1,177)	—
Debt extinguishment loss	550	—
Warrant liability loss	838	—
Other	(24)	440
Income tax provision	<u>\$ —</u>	<u>\$ —</u>

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The components of the deferred tax assets and deferred tax liabilities are as follows:

	For the year ended	
	December 31,	
	2016	2015
	(in thousands)	
Deferred tax assets:		
Net operating loss carryforwards	\$ 96,038	\$ 98,571
Stock-based compensation	1,435	1,325
Property, plant and equipment	7,545	9,816
Other	1,016	1,139
	<u>106,034</u>	<u>110,851</u>
Less: Valuation allowance	(105,820)	(110,510)
Total deferred tax assets	<u>214</u>	<u>341</u>
Deferred tax liabilities:		
Property, plant and equipment	(195)	(189)
Other	(19)	(152)
Total deferred tax liabilities	<u>(214)</u>	<u>(341)</u>
Net deferred tax asset (liability)	<u>\$ —</u>	<u>\$ —</u>

In accordance with ASC 740, the Company presents deferred tax assets net of its deferred tax liabilities on a tax jurisdictional basis on its Consolidated Balance Sheets. The net deferred tax liability as of December 31, 2016 and December 31, 2015 was zero.

At December 31, 2016 the Company had net operating loss carryforwards in the U.S. and in certain non-U.S. jurisdictions totaling \$315.5 million. Of these, \$77.8 million is related to the Velardeña Properties in Mexico and expires in future years through 2026. \$21.0 million is related to other Mexico exploration activities and also expires in future years through 2026. \$132.4 million net operating losses exist in Luxembourg and Spain and have no expiration date, while \$18.2 million exist in other non-U.S. countries, which will expire in future years through 2026. In the U.S. there are \$66.1 million of net operating loss carryforwards which will expire in future years through 2036.

The valuation allowance offsetting the net deferred tax assets of the Company of \$105.8 million and \$110.5 million at December 31, 2016 and 2015, respectively, relates primarily to the uncertain utilization of certain deferred tax assets, primarily net operating loss carryforwards, in various tax jurisdictions. The Company continually assesses both positive and negative evidence to determine whether it is more likely than not that deferred tax assets can be realized prior to their expiration.

The Company, a Delaware corporation, and its subsidiaries file tax returns in the United States and in various foreign jurisdictions. The tax rules and regulations in these countries are highly complex and subject to interpretation. The Company's tax returns are subject to examination by the relevant taxing authorities and in connection with such examinations, disputes can arise with the taxing authorities over the interpretation or application of certain tax rules within the country involved. In accordance with ASC 740, the Company identifies and evaluates uncertain tax positions, and recognizes the impact of uncertain tax positions for which there is less than a more-likely-than-not probability of the position being upheld upon review by the relevant taxing authority. Such positions are deemed to be "unrecognized tax benefits" which require additional disclosure and recognition of a liability within the financial statements. If recognized, none of the unrecognized tax benefits would affect the Company's effective tax rate.

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Below is a reconciliation of the beginning and ending amount of gross unrecognized tax benefits, which excludes any estimated penalties and interest on all identified unrecognized tax benefits. The Company's unrecognized tax benefits as of December 31, 2016 and 2015 are completely offset by net deferred tax benefits and therefore do not appear on the Consolidated Balance Sheet.

	<u>The Year Ended December 31,</u>	
	<u>2016</u>	<u>2015</u>
	(in thousands)	
Gross unrecognized tax benefits at beginning of period	\$ 937	\$ 1,163
Increases for tax positions taken during prior years	—	—
Decreases relating to settlements with taxing authorities	—	—
Reductions due to lapse of statute of limitations	(197)	(226)
Gross unrecognized tax benefits at end of period	<u>\$ 740</u>	<u>\$ 937</u>

Tax years as early as 2011 remain open and are subject to examination in the Company's principal tax jurisdictions. The Company does not expect a significant change to its net unrecognized tax benefits over the next 12 months. No interest and penalties were recognized in the Consolidated Statement of Operations and Comprehensive Loss for the year ended December 31, 2016 or 2015, and there were no interest and penalties recognized in the statement of financial position as of December 31, 2016 and 2015. The Company classifies income tax related interest and penalties as income tax expense.

15. Equity

At the Market Offering Agreement

On December 20, 2016, the Company entered into an at-the-market offering agreement (the "ATM Agreement") with H. C. Wainwright & Co., LLC ("Wainwright"), under which the Company may, from time to time, issue and sell shares of the Company's common stock through Wainwright as sales manager in an at-the-market offering under a prospectus supplement for aggregate sales proceeds of up to \$5.0 million (the "ATM Program") or a maximum of 10 million shares. The ATM Agreement will remain in full force and effect until the earlier of December 31, 2018, or the date that the ATM Agreement is terminated in accordance with the terms therein. Offers or sales of common shares under the ATM Program will be made only in the United States and no offers or sales of common shares under the Agreement will be made in Canada. The common stock will be distributed at the market prices prevailing at the time of sale. As a result, prices of the common stock sold under the ATM Program may vary as between purchasers and during the period of distribution. The ATM Agreement provides that Wainwright will be entitled to compensation for its services at a commission rate of 2.0% of the gross sales price per share of common stock sold. The Company reimbursed certain legal expenses of Wainwright totaling \$50,000 and incurred additional accounting, legal, and regulatory costs of approximately \$103,000 in connection with establishing the ATM Program. Such costs have been deferred and will be amortized to equity as sales are completed under the ATM Program. At December 31, 2016 the costs appear on the accompanying Consolidated Balance Sheets as "*Prepaid expense and other assets*". At December 31, 2016 no offers or sales had been made under the ATM Program.

Subsequent to December 31, 2016 the Company sold an aggregate of approximately 640,000 common shares under the ATM Program at an average price of \$0.74 per common share for gross proceeds of approximately \$475,000 during the year to date period ended February 24, 2017. The Company paid a 2% cash commission on the gross proceeds

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in the amount of approximately \$10,000 and incurred additional accounting, legal, and regulatory costs of approximately \$2,000.

Sentient Note conversion

On February 11, 2016, Sentient converted approximately \$3.9 million of principal and \$0.1 million of accrued interest (representing the total amount of accrued interest at the conversion date) into 23,355,000 shares of the Company's common stock at an exercise price of approximately \$0.172 per share, reflecting 90% of the 15-day VWAP immediately preceding the conversion date. On June 10, 2016, Sentient converted the remaining approximately \$1.1 million of principal and approximately \$34,000 of accrued interest (representing the total amount of accrued interest at the conversion date) pursuant to the Sentient Note into 4,011,740 shares of the Company's common stock at an exercise price of approximately \$0.289 per share, equal to 90% of the 15-day VWAP immediately preceding the loan's original issue date (see Note 10). At September 30, 2016 the Sentient Note had been fully converted and the Company had no further debt outstanding. After conversion, and following the sale of additional shares of the Company's common stock in 2017 pursuant to the ATM Program (discussed above), Sentient holds approximately 46% of the Company's 89.7 million shares of issued and outstanding common stock.

Offering and Private Placement

On May 6, 2016, the Company issued 8.0 million registered shares of common stock at a purchase price of \$0.50 per share in a registered direct offering (the "Offering") resulting in gross proceeds of \$4.0 million. The Company incurred costs and fees of approximately \$0.4 million related to the Offering, resulting in net proceeds of approximately \$3.6 million. In connection with the Offering, each investor received in a private placement an unregistered warrant to purchase three-quarters of a share of common stock for each share of common stock purchased. The 6.0 million warrants have an exercise price of \$0.75 per share and are exercisable beginning six months after the date of issuance and will expire five years from the initial exercise date.

The net proceeds of the Offering were recorded in equity and appear as a separate line item in the Consolidated Statements of Changes in Equity. Using the Black Scholes model, the fair value of the warrants issued was \$3.6 million, considering the closing stock price on April 29, 2016 (the first business day preceding May 2, 2016, the date the Company entered into a definitive agreement to issue the shares), the exercise price and exercise period of the warrants, the Company's volatility rate of 105%, and the applicable risk free rate of 0.74%.

Equity Incentive Plans

In May 2014, the Company's stockholders approved amendments to the Company's 2009 Equity Incentive Plan, adopting the Amended and Restated 2009 Equity Incentive Plan (the "Equity Plan"), pursuant to which awards of the Company's common stock may be made to officers, directors, employees, consultants and agents of the Company and its subsidiaries. The Company recognizes stock-based compensation costs using a graded vesting attribution method whereby costs are recognized over the requisite service period for each separately vesting portion of the award.

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The following table summarizes the status of the Company's restricted stock grants issued under the Equity Plan at December 31, 2016 and 2015 and changes during the years then ended:

	The Year Ended December 31,			
	2016		2015	
Restricted Stock Grants	Number of Shares	Weighted Average Grant Date Fair Value Per Share	Number of Shares	Weighted Average Grant Date Fair Value Per Share
Outstanding at beginning of period	84,170	\$ 0.46	600,838	\$ 1.48
Granted during the period	100,000	0.63	—	—
Restrictions lifted during the period	(84,170)	0.46	(516,668)	1.64
Forfeited during the period	—	—	—	—
Outstanding at end of period	<u>100,000</u>	<u>\$ 0.63</u>	<u>84,170</u>	<u>\$ 0.46</u>

During the year ended December 31, 2016 restricted stock grants were made to three employees. No restricted stock grants were made during the year ended December 31, 2015

Restrictions were lifted on 84,170 shares during the year ended December 31, 2016 on the anniversaries of grants made to two officers in prior years. Restrictions were lifted on 336,334 shares during the year ended December 31, 2015 on the anniversaries of grants made to officers and employees in prior years. In addition, during 2015 restrictions were lifted on 163,334 shares related to the retirement of two officers during the year and restrictions were lifted on 12,000 shares during 2015 in connection with the termination of employment of two employees.

For the year ended December 31, 2016 the Company recognized a nominal amount of compensation expense related to the restricted stock grants. For the year ended December 31, 2015 the Company recognized approximately \$0.2 million of compensation expense related to the restricted stock grants. The Company expects to recognize approximately \$62,000 of compensation expense related to these grants over the next 36 months.

The following table summarizes the status of the Company's stock option grants issued under the Equity Plan at December 31, 2016 and 2015 and changes during the years then ended:

	The Year Ended December 31,			
	2016		2015	
Equity Plan Options	Number of Shares	Weighted Average Exercise Price Per Share	Number of Shares	Weighted Average Exercise Price Per Share
Outstanding at beginning of period	245,810	\$ 3.47	245,810	\$ 3.47
Granted during the period	—	—	—	—
Restrictions lifted during period	—	—	—	—
Forfeited or expired during period	(150,000)	0.56	—	—
Exercised during period	—	—	—	—
Outstanding at end of period	<u>95,810</u>	<u>\$ 8.02</u>	<u>245,810</u>	<u>\$ 3.47</u>
Exercisable at end of period	95,810	\$ 8.02	245,810	\$ 3.47
Granted and vested	95,810	\$ 8.02	245,810	\$ 3.47

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During the year ended December 31, 2015, the Company recognized expense of less than \$0.1 million related to the outstanding options. The Company does not expect to record any additional expense related to these options.

Also, pursuant to the Equity Plan, the Company's Board of Directors adopted the Non-Employee Director's Deferred Compensation and Equity Award Plan (the "Deferred Compensation Plan"). Pursuant to the Deferred Compensation Plan the non-employee directors receive a portion of their compensation in the form of Restricted Stock Units ("RSUs") issued under the Equity Plan. The RSUs vest on the first anniversary of the grant and each vested RSU entitles the director to receive one unrestricted share of common stock upon the termination of the director's board service.

The following table summarizes the status of the RSU grants issued under the Deferred Compensation Plan at December 31, 2016 and 2015 and changes during the years then ended:

	The Year Ended December 31,			
	2016		2015	
Restricted Stock Units	Number of Shares	Weighted Average Grant Date Fair Value Per Share	Number of Shares	Weighted Average Grant Date Fair Value Per Share
Outstanding at beginning of period	1,245,285	\$ 1.66	935,285	\$ 2.97
Granted during the period	530,000	0.42	310,000	0.39
Restrictions lifted during the period	(167,968)	1.40	—	—
Forfeited during the period	—	—	—	—
Outstanding at end of period	<u>1,607,317</u>	<u>\$ 1.28</u>	<u>1,245,285</u>	<u>\$ 1.66</u>

For the years ended December 31, 2016 and 2015 the Company recognized approximately \$0.2 million of compensation expense related to the RSU grants each year. The Company expects to recognize additional compensation expense related to the RSU grants of less than \$0.1 million over the next six months.

The restrictions lifted during 2016 all relate to the retirement of Michael T. Mason from the Company's Board of Directors during the year.

Key Employee Long-Term Incentive Plan

Pursuant to the KELTIP (see Note 9), KELTIP Units may be granted to certain officers and key employees of the Company, which units will, once vested, entitle such officers and employees to receive an amount in cash or in Company common stock measured generally by the price of the Company's common stock on the settlement date. The KELTIP Units are recorded as a liability as discussed in Note 9.

During the year ended December 31, 2016 the Company awarded 585,000 KELTIP Units to two officers of the Company and recorded approximately \$0.2 million of compensation expense, included in "Stock based compensation" in the Condensed Consolidated Statement of Operations and Comprehensive Loss. At December 31, 2016 the KELTIP Units were marked-to-market and the Company recognized approximately \$0.1 million of additional compensation expense. At December 31, 2016 585,000 KELTIP Units were outstanding.

During 2015, the Company issued 172,500 shares of its common stock under the Equity Plan to settle the outstanding KELTIP Units due to a retiring officer of the Company. At December 31, 2015 there were no KELTIP Units outstanding.

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Common stock warrants

The following table summarizes the status of the Company's common stock warrants at December 31, 2016 and December 31, 2015 and changes during the years then ended:

	The Year Ended December 31,			
	2016		2015	
	Number of Underlying Shares	Weighted Average Exercise Price Per Share	Number of Underlying Shares	Weighted Average Exercise Price Per Share
Common Stock Warrants				
Outstanding at beginning of period	8,777,409	\$ 3.95	8,777,409	\$ 3.96
Granted during period	6,000,000	0.75	—	—
Dilution adjustment	2,801,541		—	—
Expired during period	—		—	—
Exercised during period	—		—	—
Outstanding at end of period	<u>17,578,950</u>	\$ 2.17	<u>8,777,409</u>	\$ 3.95

The warrants relate to prior and current registered offerings and private placements of the Company's stock. In September 2012, the Company closed on both a registered public offering and concurrent private placement with Sentient in which it sold units, consisting of one share of common stock and a five-year warrant to acquire one half of a share of common stock at an exercise price of \$8.42 per share. A total of 3,431,649 warrant shares were issued and became exercisable on March 20, 2013 and will expire on September 19, 2017, five years from the date of issuance.

In September 2014 the Company closed on both a registered public offering and concurrent private placement with Sentient in which it sold units, consisting of one share of common stock and a five-year warrant to acquire one half of a share of common stock at an exercise price of \$1.21 per share. A total of 4,746,000 warrant shares were issued that became exercisable on March 11, 2015 and will expire on September 10, 2019, five years from the date of issuance.

On May 6, 2016 the Company closed on the Offering (discussed above) under which the investors received in a separate private placement an unregistered warrant to purchase three-quarters of a share of common stock for each share of common stock purchased. The resulting 6,000,000 warrants have an exercise price of \$0.75 per share, become exercisable six months after the date of issuance and will expire on November 6, 2021, five years from the initial exercise date.

The warrants issued in September 2012 and September 2014 are recorded as a liability on the balance sheet as a result of anti-dilution clauses in the warrant agreements that could result in a resetting of the warrant exercise price in the event the Company were to issue additional shares of its common stock in a future transaction at an offering price lower than the current exercise price of the warrants. The May 2, 2016 warrant agreement has no anti-dilution clause and the warrants are recorded as equity.

Pursuant to the anti-dilution clauses in the September 2012 and 2014 warrant agreements, the exercise price of the warrants has been adjusted downward as a result of the subsequent issuance of the Company's common stock in separate transactions, including the September 2014 registered public offering and private placement, the conversion of the Sentient Note, the recent Offering (discussed above), and the sale of additional shares of our common stock in 2017 pursuant to the ATM Program (discussed above). As a result of these transactions, the number of shares of common stock

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issuable upon exercise of the September 2012 Warrants has increased from the original 3,431,649 shares to 6,150,963 shares (2,719,314 share increase) and the exercise price has been reduced from the original \$8.42 per share to \$4.70 per share. The number of shares of common stock issuable upon exercise of the September 2014 Warrants has increased from the original 4,746,000 shares to 5,460,612 shares (714,612 share increase) and the exercise price has been reduced from the original \$1.21 per share to \$0.87 per share. Of the 6,120,573 and 5,458,377 issuable warrants related to the September 2012 and September 2014 warrants, respectively, 1,217,992 and 2,900,000, respectively were issuable to Sentient.

At December 31, 2016 the total liability recorded for the September 2012 and 2014 warrants was \$1.9 million, consisting of \$0.1 million for the September 2012 warrants and \$1.8 million for the September 2014 warrants. The warrant liability has been recorded at fair value as of December 31, 2016 based primarily on a valuation performed by a third party expert using a Monte Carlo simulation, which falls within Level 3 of the fair value hierarchy (see Note 13). Of the \$0.1 million and \$1.8 million liability related to the September 2014 and September 2012 warrants, respectively, a nil amount and \$1.0 million, respectively were related to warrants held by Sentient.

The warrants issued during the period are related to the Offering and Private Placement of the Company's securities completed on May 6, 2016 as discussed above.

16. Revenue and Related Costs

Oxide Plant Lease and Oxide Plant Lease Costs

For the year ended December 31, 2016 the Company recorded revenue of approximately \$6.4 million and related costs of approximately \$2.0 million associated with the lease of the Velardeña Properties oxide plant. The Company recognizes oxide plant lease fees and reimbursements for labor, utility and other costs as "*Revenue: Oxide plant lease*" in the Consolidated Statements of Operations and Comprehensive Loss following the guidance of ASC 605 regarding "income statement characterization of reimbursements received for "out-of-pocket" expenses incurred" and "reporting revenue gross as a principal versus net as an agent". ASC 605 supports recording as gross revenue fees received for the reimbursement of expenses in situations where the recipient is the primary obligor and has certain discretion in the incurrence of the reimbursable expense. The actual costs incurred for reimbursed direct labor and utility costs are reported as "*Oxide plant lease costs*" in the Consolidated Statement of Operations. The Company recognizes lease fees during the period the fees are earned per the terms of the lease.

For the year ended December 31, 2015 the company recorded revenue of approximately \$0.7 million and related costs of approximately \$0.2 million associated with the lease of the oxide plant. In addition, the Company received an advance payment of \$0.5 million that was applied to the lease amounts due during the first four months of 2016. At December 31, 2015 the advance payment was recorded as "*Deferred revenue*" on the accompanying Consolidated Balance Sheets.

Sale of Metals and Cost of Metals Sold

During the year ended December 31, 2015, the Company sold marketable concentrate products from its Velardeña Properties to three customers. Under the terms of the Company's agreements with customers, title generally passes when a provisional payment is made, which occurs generally after the product is shipped and customary sales documents are completed. Costs related to the sale of metals products include direct and indirect costs incurred to mine, process and market the products. The Company had no metals or in-process inventories at December 31, 2015 as a result of the suspension of mining and processing at its Velardeña Properties (see Note 1).

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17. Interest and Other Income

For the year ended December 31, 2016 the Company reported interest and other income of \$0.4 million, which includes approximately \$0.4 million related to a refund of previously paid social security taxes in Mexico.

For the year ended December 31, 2015 the Company reported interest and other income of \$3.1 million which includes a \$2.3 million reduction and elimination of a loss contingency liability related to foreign withholding taxes that the government could have asserted were owed by the Company, acting as withholding agent, on certain interest payments made to a third party (see Note 12). Also included in interest and other income for 2015 is approximately \$0.8 million related to a refund of previously paid social security taxes in Mexico.

18. Derivative Income (Loss)

During the year ended December 31, 2016 the Company recorded approximately \$1.7 million of warrant derivative loss related to an increase in the fair value of the liability recorded for warrants to acquire the Company's common stock (see Note 13). During the year ended December 31, 2015 the Company recorded approximately \$1.3 million of derivative income related to a decrease in the fair value of the liability recorded for the warrants. The warrant liability has been recorded at fair value as of December 31, 2016 and 2015 based primarily on a valuation performed by a third party expert using a Monte Carlo simulation, which falls within Level 3 of the fair value hierarchy. The valuation model takes into account the probability that the Company could issue additional shares in a future transaction at a lower price than the current exercise price of the warrants. Significant inputs to the valuation model included prices for the warrants disclosed above, the probability of an additional issuance of the Company's common stock at a lower price than the current warrant exercise price and the inputs in the table below for the respective periods.

During the year ended December 31, 2016 the Company recorded approximately \$0.8 million of derivative loss related to an increase in the fair value of the derivative liability related to the Sentient Loan. During the year ended December 31, 2015 the Company recorded approximately \$0.6 million of derivative income related to a decrease in the fair value of the derivative liability related to the Sentient Loan (see Note 10). The derivative liability was recorded at fair value at June 10, 2016, the date of the conversion of the remaining note (see Note 10), and at December 31, 2015 based primarily on a valuation performed by a third party expert using a Monte Carlo simulation, which falls within Level 3 of the fair value hierarchy (see Note 13). Significant inputs to the valuation model included: 1) future variations in the Company's stock price, and 2) the probability of entering into an equity transaction prior to the loan maturity date that would lower the conversion price.

Additional inputs used in the valuation of derivatives related to both the warrants and the Sentient loan are summarized in the table below.

The Company's	At December 31,	
	2016	2015
Closing stock price	\$ 0.58	\$ 0.20
Volatility	110.00%	85.00%
Risk-free rate	1.39%	1.48%

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19. Cash flow information

The following table reconciles net income (loss) for the period to cash used in operations:

	Year Ended December 31,	
	2016	2015
	(in thousands)	
Cash flows from operating activities:		
Net loss	\$ (10,659)	\$ (25,383)
Adjustments to reconcile net loss to net cash used in operating activities:		
Amortization and depreciation	1,548	4,480
Accretion of asset retirement obligation	193	198
Foreign currency gain on loss contingency	—	(106)
Impairment of long lived assets	—	13,181
Asset write off	24	27
Write off of loss contingency, net	(212)	(1,969)
Gain on sale of assets, net	(1,791)	(719)
Amortization of deferred loan costs	57	54
Warrant liability fair market adjustment	1,688	(1,344)
Derivative liability fair market adjustment	778	(553)
Accretion of loan discount	372	—
Loss on debt extinguishment	1,653	—
Stock compensation	593	453
Changes in operating assets and liabilities:		
Decrease (increase) in trade accounts receivable	166	(546)
(Increase) decrease in prepaid expenses and other assets	(152)	384
Decrease in inventories	85	861
Decrease in value added tax recoverable, net	346	916
Increase in accrued interest payable net of amounts capitalized	85	81
(Decrease) increase in deferred revenue	(500)	500
Decrease in reclamation liability	(11)	(37)
Decrease in accounts payable and accrued liabilities	(450)	(402)
Decrease in deferred leasehold payments	(18)	(11)
Net cash used in operating activities	\$ (6,205)	\$ (9,935)

The Company did not make any cash payments for interest or income taxes during the years ended December 31, 2016 and 2015.

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20. Commitments and Contingencies

Leases and Purchase Commitments

The Company has non-cancelable operating lease commitments as follows:

	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>Thereafter</u>
El Quevar mining concessions (estimated)	\$ 115	\$ 115	\$ 115	\$ 115	\$ 115	\$ —
Velardeña mining concessions (estimated)	\$ 75	\$ 75	\$ 75	\$ 75	\$ 75	\$ —
Office space	\$ 284	\$ 293	\$ 272	\$ —	\$ —	\$ —

The Company is required to make payments to the Argentine government to maintain its rights to the El Quevar mining concessions. The Company has made such payments totaling approximately \$112,000 and \$40,000 for the years ended December 31, 2016 and 2015, respectively.

The Company is required to pay concession holding fees to the Mexican government to maintain its rights to the Velardeña Properties mining concessions. During the years ended December 31, 2016 and 2015 the Company made such payments totaling approximately \$74,000 and \$24,000 respectively, and annual payments under its surface right agreement with the local ejido of approximately \$25,000.

The Company has office leases for its corporate headquarters in Golden, Colorado, as well as for its Velardeña Properties offices in Mexico, and exploration offices in Mexico and Argentina. The lease for the corporate headquarters office space was renegotiated and extended during the first quarter 2014. The new lease reflects an approximately 46% reduction in space and an approximately 44% reduction in cost beginning March 1, 2014. The new lease expires November 30, 2019. Payments associated with the corporate headquarters lease were recorded to rent expense by the Company in the amounts of \$224,000 and \$227,000 for the years ended December 31, 2016 and 2015, respectively.

The Company cannot currently estimate the life of the Velardeña Properties or El Quevar project. The table above assumes that no annual maintenance payments will be made more than five years after December 31, 2016. If the Company continues mining and processing or evaluations of restart at the Velardeña Properties beyond five years, the Company expects that it would make annual maintenance payments of approximately \$75,000 per year for the life of the Velardeña mine. If the Company continues to evaluate development opportunities at the El Quevar project, the Company expects that it would make annual maintenance payments of approximately \$115,000 per year for the life of the El Quevar mine.

Payments associated with other exploration concessions the Company owns are not included because the Company has not completed exploration work on these concessions. Exploration success is historically low and the Company has the right to terminate the payments and release the concessions at any time.

Contingencies

The Company has recorded loss contingencies of nil and approximately \$0.4 million at December 31, 2016 and December 31, 2015, respectively as discussed in Note 12.

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21. Foreign Currency

The Company conducts exploration and mining activities primarily in Mexico and Argentina, and gains and losses on foreign currency transactions are related to those activities. The Company's functional currency is the U.S. dollar but certain transactions are conducted in the local currencies resulting in foreign currency transaction gains or losses.

22. Segment Information

The Company's sole activity is the mining, construction and exploration of mineral properties containing precious metals. The Company's reportable segments are based upon the Company's revenue producing activities and cash consuming activities. The Company reports two segments, one for its Velardeña Properties in Mexico and the other comprised of non-revenue producing activities including exploration, construction and general and administrative activities. Intercompany revenue and expense amounts have been eliminated within each segment in order to report on the basis that management uses internally for evaluating segment performance. The financial information relating to the Company's segments is as follows:

<u>The Year ended December 31, 2016</u>	<u>Revenue</u>	<u>Costs Applicable to Sales</u>	<u>Depreciation, Depletion and Amortization</u>	<u>Exploration, El Quevar, Velardeña and Administrative Expense (in thousands)</u>	<u>Pre-Tax (Income)/Loss</u>	<u>Total Assets</u>	<u>Capital Expenditures</u>
Velardeña Properties	\$ 6,400	\$ 2,046	\$ 1,116	\$ 2,507	\$ (2,167)	\$ 7,821	\$ 35
Corporate, Exploration & Other	—	—	432	7,598	12,826	6,187	15
	<u>\$ 6,400</u>	<u>\$ 2,046</u>	<u>\$ 1,548</u>	<u>\$ 10,105</u>	<u>\$ 10,659</u>	<u>\$ 14,008</u>	<u>\$ 50</u>
<u>The Year ended December 31, 2015</u>							
Velardeña Properties	\$ 8,071	\$ 10,065	\$ 3,826	\$ 1,347	\$ 17,346	\$ 8,988	\$ 28
Corporate, Exploration & Other	—	—	654	8,918	8,037	8,013	16
	<u>\$ 8,071</u>	<u>\$ 10,065</u>	<u>\$ 4,480</u>	<u>\$ 10,265</u>	<u>\$ 25,383</u>	<u>\$ 17,001</u>	<u>\$ 44</u>

All of the revenue for the two years presented was from the Company's Velardeña Properties in Mexico (see Note 16). The revenue for 2016 was all attributable to the lease of the oxide plant. The revenue for 2015 was attributable to both sales of precipitates and concentrates to three customers under varying agreements and the lease of the oxide plant. The Company suspended operations at its Velardeña properties in November, 2015 (see Note 1).

The 2015 Velardeña Properties pre-tax loss includes a \$13.2 million impairment charge recorded at September 30, 2015 (see Note 2). The impairment charge is also reflected in the reduction of the Velardeña Properties total assets for 2015.

23. Related Party Transactions

The following sets forth information regarding transactions between the Company (and its subsidiaries) and its officers, directors and significant stockholders.

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(Expressed in United States dollars)

Sale of Equipment:

On August 8, 2016, the Company sold certain mining equipment to Minera Indé, an indirect subsidiary of Sentient, for \$687,000 (see Note 8), in a transaction approved by the Company's Audit Committee and Board of Directors. The equipment had a net book value of \$27,000 resulting in a gain of \$660,000. The gain is included in "Other operating income, net" in the accompanying Consolidated Statements of Operations and Comprehensive Loss. At the time of the sale and at December 31, 2016 Sentient held approximately 47% of the Company's 88.9 million shares of issued and outstanding common stock. The equipment sold was excess equipment held at the Company's Velardeña Properties that the Company does not expect to use. The Company used a third party consultant with experience in the used mining equipment market in Mexico to determine a fair value. The Company believes the price paid was at least equal to the fair market value of the equipment had it been sold through auction or in the open market. The Company received \$69,000 or 10% of the sales price at the closing of the sale, with the remaining \$618,000 plus interest on the unpaid balance at an annual rate of 10% due in February 2017. At December 31, 2016 the Company had recorded a receivable of \$643,000 related to the sale, including accrued interest, included in "Related party receivable" in the accompanying Consolidated Balance Sheets.

With the approval of a Special Committee of the Company's Board of Directors, the Company expects to amend the original equipment sale in February 2017 to include the sale of an additional piece of excess equipment for \$185,000. Upon execution of the amendment the Company expects to receive an additional payment of \$100,000, and the remaining principal and interest balance as of February 2017 of \$737,000, plus additional interest on the unpaid balance at an annual rate of 10%, would be due in August 2017.

Administrative Services:

Beginning in August 2016, the Company began providing limited accounting and other administrative services to Minera Indé, an indirect subsidiary of Sentient. The services are provided locally in Mexico by the administrative staff at the Company's Velardeña Properties. The Company charges Minera Indé \$15,000 per month for the services, which provides reimbursement to the Company for its costs incurred plus a small profit margin. Amounts received under the arrangement reduce costs incurred for the care and maintenance of the Velardeña Properties and allows the Company to maintain a larger more experienced staff at the Velardeña Properties to support the oxide plant lease and potential future mining or processing activities. The Company's Board of Directors and Audit Committee approved the agreement. For the period ended December 31, 2016 the Company charged Minera Indé approximately \$83,000 for services, offsetting costs that are recorded in "Velardeña shutdown and care and maintenance" in the Consolidated Statements of Operation and Comprehensive Loss.

Legal Services:

Since May, 2009 until her resignation on December 30, 2015, Deborah Friedman devoted approximately half of her time to serve as the Company's Senior Vice President, General Counsel and Corporate Secretary and approximately half of her time to her legal practice at Davis Graham & Stubbs LLP ("DGS") where she was a partner. During 2015 the Company paid a monthly flat fee retainer of approximately \$15,000 to DGS for approximately one half of Ms. Friedman's time spent serving as the Company's Senior Vice President, General Counsel and Corporate Secretary, which DGS subsequently remitted to Ms. Friedman, and the Company paid her customary hourly rate to DGS for any time spent by Ms. Friedman in excess of that threshold. Although she was an executive officer of the Company for Section 16(a) reporting purposes under the Securities Exchange Act of 1934, Ms. Friedman was not employed by the Company. For the year ended December 31, 2015 the Company paid approximately \$490,000 to DGS for legal services, including the amounts relating to Ms. Friedman described above, recorded in "Administrative expense" in the Company's Consolidated

GOLDEN MINERALS COMPANY
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS - (Continued)
(Expressed in United States dollars)

Statements of Operation and Comprehensive Loss. The Company has been advised by DGS that these amounts represented a de minimis amount of DGS's total revenue for the year. At December 31, 2015 the Company's Consolidated Balance Sheets included in "Accounts payable and other accrued liabilities" amounts owed to DGS of approximately \$25,000.

24. Subsequent Events

Subsequent to December 31, 2016 the Company sold an aggregate of approximately 640,000 common shares under the ATM Program at an average price of \$0.74 per common share for gross proceeds of approximately \$475,000 during the year to date period ended February 24, 2017. The Company paid a 2% cash commission on the gross proceeds in the amount of approximately \$10,000 and incurred additional accounting, legal, and regulatory costs of approximately \$2,000 (see Note 15).

SUBSIDIARIES

NAME	JURISDICTION OF FORMATION
ASM Services S.a r.l.	Luxembourg
Silex Spain, S.L.	Spain
Silex Argentina S.A.	Argentina
ECU Silver Mining Inc.	Canada
Minera William, S.A. de C.V.	Mexico

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statements on Form S-3, as amended (Nos. 333-167026, 333-172363, 333-177117, 333-179993, 333-189693, 333-199026, 333-200555 and 333-213268) and Form S-8 (Nos. 333-159096, 333-165933, 333-170891, 333-176671, 333-176915, 333-190542, 333-200557 and 333-211348) of Golden Minerals Company of our report dated February 28, 2017 relating to the consolidated financial statements, which appears in this Annual Report on Form 10-K.

/s/ EKS&H, LLLP
EKS&H, LLLP

Denver, Colorado
February 28, 2017

CONSENT OF TETRA TECH

We hereby consent to the incorporation by reference of any mineralized material and other analyses performed by us in our capacity as an independent consultant to Golden Minerals Company (the "Company"), which are set forth in the Company's Annual Report on Form 10-K for the year ended December 31, 2016, in the Company's Registration Statements on Form S-3 (Nos. 333-167026, 333-172363, 333-177117, 333-179993, 333-189693, 333-199026, 333-200555 and 333-213268) and Form S-8 (Nos. 333-159096, 333-165933, 333-170891, 333-176671, 333-176915, 333-190542, 333-200557 and 333-211348), and any amendment, prospectuses or supplements thereto, and in any amendment to any of the foregoing.

Date: February 28, 2017

/s/ Geoffrey J. Elson

Signature of Qualified Person

Geoffrey J. Elson

Name of Qualified Person

CONSENT OF RUNGE PINCOCK MINARCO

We hereby consent to the incorporation by reference of any mineralized material and other analyses performed by us in our capacity as an independent consultant to Golden Minerals Company (the "Company"), which are set forth in the Company's Annual Report on Form 10-K for the year ended December 31, 2016, in the Company's Registration Statements on Form S-3 (Nos. 333-167026, 333-172363, 333-177117, 333-179993, 333-189693, 333-199026, 333-200555 and 333-213268) and Form S-8 (Nos. 333-159096, 333-165933, 333-170891, 333-176671, 333-176915, 333-190542, 333-200557 and 333-211348), and any amendment, prospectuses or supplements thereto, and in any amendment to any of the foregoing.

Date: February 28, 2017

/s/ Richard J. Kehmeier

Signature of Qualified Person

Richard J. Kehmeier

Name of Qualified Person

CERTIFICATION

I, Warren M. Rehn, certify that:

1. I have reviewed this annual report on Form 10-K of Golden Mineral Company;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal controls over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officers and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors:
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 28, 2017

/s/ WARREN M. REHN

Warren M. Rehn
President and Chief Executive Officer
(Principal Executive Officer)

CERTIFICATION

I, Robert P. Vogels, certify that:

1. I have reviewed this annual report on Form 10-K of Golden Mineral Company;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal controls over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officers and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors:
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 28, 2017

/s/ ROBERT P. VOGELS

Robert P. Vogels

Senior Vice President and Chief Financial Officer

(Principal Financial Officer)

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of Golden Minerals Company (the "Company") on Form 10-K for the year ended December 31, 2016, as filed with the SEC on the date hereof (the "Report"), the undersigned hereby certify, pursuant to 18 U.S.C. §1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ WARREN M. REHN

Warren M. Rehn
President and Chief Executive Officer
(Principal Executive Officer)
February 28, 2017

/s/ ROBERT P. VOGELS

Robert P. Vogels
Senior Vice President and Chief Financial Officer
(Principal Financial Officer)
February 28, 2017
