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# BROADWAY GOLD MINING LTD.

# NI 43-101 TECHNICAL REPORT FOR THE MADISON PROJECT MADISON COUNTY, MONTANA USA

# DATED NOVEMBER 17, 2017 EFFECTIVE DATE, NOVEMBER 7, 2017

PREPARED BY METAL MINING CONSULTANTS INC.

> AUTHOR SCOTT E. WILSON, C.P.G.

#### DATE AND SIGNATURE PAGE

NI 43-101 Technical Report for the Madison Project, Madison County, Montana USA.

The effective date of this Technical Report is November 7, 2017

Dated November 17, 2017

[Signed and Sealed] Scott E. Wilson Scott E. Wilson, C.P.G. Geologist

#### AUTHOR'S CERTIFICATE - SCOTT WILSON

I, Scott E. Wilson, of Highlands Ranch, Colorado, do hereby certify:

- 1. I am currently employed as President by Metal Mining Consultants Inc., 9137 S. Ridgeline Blvd., Suite 140, Highlands Ranch, Colorado 80129.
- 2. I am the author of the technical report titled "NI 43-101 Technical Report for the Madison Project, Madison County, Montana, USA," (the "Technical Report") dated November 17, 2017 with an effective date of October 26, 2017.
- 3. I graduated with a Bachelor of Arts degree in Geology from the California State University, Sacramento in 1989.
- I am a Certified Professional Geologist and member of the American Institute of Professional Geologists (CPG #10965) and a Registered Member (#4025107) of the Society for Mining, Metallurgy and Exploration, Inc.
- 5. I have been employed as either a geologist or an engineer continuously for over 28 years. My experience included resource estimation, mine planning geological modeling and geostatistical evaluations of numerous projects throughout North and South America.
- 6. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
- 7. I visited the Madison project and surrounding area on October 10, 2017.
- 8. I am responsible for all sections of the technical report.
- 9. As of the date of the technical report, to the best of my knowledge, information and belief, the technical report contains all scientific and technical information that is required to be disclosed to make the technical report not misleading.
- 10. I have not had prior involvement with the property that is the subject of the technical report as an independent mining consultant.
- 11. That I have read NI 43-101 and Form 43-101F1, and this technical report was prepared in compliance with NI 43-101.
- 12. I am independent of Broadway Gold Mining Ltd. applying all of the tests in Section 1.5 of NI 43-101.

Dated November 17, 2017

["signed and sealed"]

Scott E. Wilson

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# 1 SUMMARY

# 1.1 INTRODUCTION

The Madison Cu-Au Project (the "Project") is permitted as a surface and underground exploration project. The Project contains a past-producing underground mine that Broadway Gold Mining Ltd. ("Broadway" or the "Company") has recently refurbished. While actively expanding known copper and gold zones that remain open for development within the mine's perimeter, the company's exploration program has identified new anomalies across its extensive land package that provides compelling drill targets that are believed to be associated with large-scale porphyry mineralization.

The Broadway Gold Mine, where historic production from the 1880s to the 1950s yielded an estimated 144,000 ounces of gold, contains approximately 6,000 feet of underground workings to a vertical depth of 750 feet. Broadway recently rehabilitated the underground workings in order to access potential stopes in which the mineralization is believed to have been left behind by the previous owners of the property. The rehab work also allowed Broadway to reenter the extents of the underground drifts and conduct a successful underground exploration drilling program. This drilling returned favorable results that indicate mineralization is continuous to the northwest of the current underground workings.

Highlights from the current Broadway exploration program include 19 surface (3,984 m) and 7 underground (338 m) drill holes which have intersected significant copper and gold mineralization. Other activities to note are two property-wide deep induced polarization (IP) surveys which explored the project area for a deeper copper-gold porphyry system suggested to be the feeder system for the shallower gold-copper skarn zones which host previously exploited mineralization. The IP surveys identified chargeability and resistivity anomalies that may be associated with porphyry-style mineralization at depth. The survey also identified previously unknown anomalies to the northwest of currently known mineralization. A Mise-a-la-masse anomaly has been identified in close proximity to the historic Broadway Mine. This anomaly is interpreted to be related to a massive sulphide deposit. There are plans to drill this anomaly.

As of the effective date for this report, surface exploration drillhole C17-24 intersected porphyry style mineralization. The hole was designed to evaluate a chargeability anomaly identified by the IP surveys performed on the property. The hole was drilled into an area of historic prospect pits through carbonate rocks displaying skarn and jasperoid alteration. Assay results are pending, however, this represents a successful follow-up to the recommendations from the 2016 technical report as well as the successful IP program of 2017.

# **1.2 PROPERTY DESCRIPTION AND OWNERSHIP**

The Madison project lies in the Silver Star District along the south flank of the Radar Creek pluton in southwestern Montana. The world famous Butte copper mine lies 23.6 miles to the northwest. The Project is located within the Silver Star-Rochester Mining district of northwestern Madison County, Montana, USA.

Broadway maintains 100% control of the Project through six patented lode claims 136 unpatented lode mining claims and one unpatented placer claim. The total project area held by Broadway comprises 2,804 acres. Broadway also owns a 192 acre ranch near the Project.

### 1.3 GEOLOGY AND MINERALIZATION

Geology at the Madison Project is Mississippian age carbonate of the Madison Group intruded by quartz monzonite of the Cretaceous Radar Creek pluton. Mineralization at the Project is primarily hosted in a gold-copper skarn developed along the contact between the Radar Creek quartz monzonite and the Madison Group limestone. Contact metamorphism can be traced for more than 9,000 feet along the irregular contact. Underground development focused on the center of an area approximately 200 feet wide by 500 feet in length along this contact zone.

Gold mineralization has so far been confined to jasper rich horizons. Gold occurs as free gold and microscopic grains, resulting from the oxidation of mineral hosting skarns. The jasperoid is cut by a stockwork of anastomosing veins of calcite and occasionally carries native copper. John Childs (Childs, et. al 2017) observed visible gold in drilling samples which intersect dikes and various breccias concluding a possibility for mineralized breccia pipes similar to Barrick Gold's Golden Sunlight Mine to the north. Copper rich zones are found in upper levels of the oxidation zone, proximal to the jasper. These zones consist of massive chalcocite as well as local native copper.

# 1.4 METALLURGICAL TESTING

Preliminary mineral processing and metallurgical testing carried out on 12 drill hole composites during the late 1980's were summarized in Bourns (1992). Highlights of these results included recoveries reaching up to 90% in some tests.

Another metallurgical study, conducted from 2010 through 2013, used a set of four bulk sample tests. Both floatation and gravity circuits were utilized. Results ranged widely from 30% to 88% for gold and copper recoveries. Some of the lower recoveries may have been the result of excess oxidation of the sample during a lag between mining and shipment to be the processing facility. The tests, however, totaled over 3,300 tons of material and had overall flotation recoveries average between 70% and 75% for gold and copper.

Historically, oxide gold mineralization was mined at the surface in a series of small pits. A series of drill programs throughout the 1980's located gold, copper and gold-copper mineralization in a 499 feet long by 200 feet wide zone along the skarn contact. A decline was driven and several blocks within a 230 feet long by 98 feet wide section of the larger zone were bulk sampled between 2007 and 2013 by Coronado Resources Ltd., a previous property vendor. The total bulk sampled and toll milled was 14,597 tons of gold skarn and 5,208 tons of copper skarn. Recoveries were 7,570 ounces of gold and 3,020,000 pounds of copper. Recoveries were less than expected, due to oxidation and acid generation, caused by the delay between mining and milling, causing pH problems in the milling process.

# 1.5 CURRENT EXPLORATION

Currently, Broadway is conducting a Phase III surface drilling program that will total 3,050 m (10,007 ft.) of core. This program's focus was to follow up on targets that were identified through successful Induced Polarization (IP) surveys and Mise-a-la-Masse surveys. The IP survey identified three chargeability highs that have become a main priority for follow-up drilling. The Mise-a-la-Masse survey has identified a strong anomaly that correlates to a known zone of massive sulphide mineralization which was recently confirmed

by underground drilling. The third Phase III drill hole completed, C17-24, has confirmed the presence of a deep quartz latite porphyry zone, which is believed to be a feeder system for the au-cu skarn deposit. Assay results are still pending as of the effective date for this technical report.

A soil sampling program was conducted in 2017. Results of the program are pending as of the date of this report.

# **1.6 RESOURCE ESTIMATE**

No NI 43-101 compliant resources have been estimated for this technical report.

# 1.7 CONCLUSIONS

Since 1986 it has been suggested there may be a deep porphyry system at the Madison Project. Recent exploration work by Broadway has led to the interpretation of a relationship of currently known copper skarn mineralization and massive sulphide mineralization to a deeper porphyry system. Phase I and Phase II drilling programs were successful at generating multiple targets to be followed up upon. These programs were so successful that the Company initiated a Phase III exploration program. The Phase I and Phase II drilling programs have returned significant copper and gold intercepts. Many intercepts are in excess of 20 g/t Au and over 1% Cu. Geophysical surveys have identified chargeability and resistivity locations that have produced multiple drilling targets. These IP chargeability and resistivity targets represent essentially a blind discovery of mineralization interpreted to be copper-gold porphyry related. A Mise-a-la-Masse survey indicates a massive sulphide target that was only penetrated at the edge by one underground drillhole. Jasper mineralization, that hosts native copper and gold trends to the northwest of the Property, are being interpreted and evaluated. Most recently, drill hole C17-24 penetrated a quartz latite porphyry. This successful drill intersection is currently interpreted to be related to the porphyry system that may well be the feeder for the mineralization at the Project. Thus far, Broadway has identified a nearly two mile long geochemical and geophysical trend that is interpreted to be a copper-gold porphyry system.

Interpretation of mineralization controls at Madison have yielded results that may well change the game for Broadway. It is the author's opinion that the Project will continue to yield positive growth for the foreseeable future.

# 1.8 **RECOMMENDATIONS**

Broadway is currently conducting a Phase III Drill Program. The program commenced on August 28, 2017 and is approximately 30% complete. The collar locations are based on the historic and current property mapping, Phase I and Phase II 2017 surface and underground drilling and the Induced Polarization, Time Domain Electromagnetic and Misa ala Masse surveys. The program is based on two types of anomalies; 1) initial testing of geophysics that indicated a deep porphyry system and 2) following up on the Phase I and Phase II drilling programs targeting jasper and massive sulphides.

Table 1.1 Proposed 2017 Phase III Drilling Budget

Drilling	10000	feet	@	\$49.97	/foot	\$499,700
Assaying	5000	feet	@	\$16.86	/foot	\$84,294

Supplies						\$1,500
Technical Staff	4	months	@	\$23,100	/month	\$92,400
Third Party Review	4	months	@	2000	/month	\$8,000
Estimated total						\$685,894

MMC recommends that a successive phase to successful drilling of the massive sulphide anomaly would be to determine if there are reasonable prospects for the eventual economic extraction of mineral resources north of the Broadway Mine. This program would entail exploratory data analysis, 3D geological modeling with Vulcan software, geostatistical analysis and grade estimation. Depending on the size of the identified mineral zone this project would cost between \$30,000 and \$50,000 dollars. The MMC recommendation for estimation of resources near the Broadway Mine is contingent on the successful identification of mineralization proximal to the Broadway Mine.

The success of the Phase III program, along with the interpretations and conclusions garnered from the current ongoing studies, will open a much greater understanding of the Project. Successful completion of these studies will necessitate that Broadway develop an extensive exploration and development plan for the Project. This would involve more drilling, metallurgical studies, environmental baseline studies along with permitting and compliance requirements. The cost of this successive program has not been budgeted but MMC suggests that this may range in cost from \$4 to \$6 million dollars.

# 2 INTRODUCTION

Broadway has requested Metal Mining Consultants Inc. ("MMC") to update technical aspects of the Madison Cu-Au Project (the "Project"). This report supports public disclosure of activities at the Project which have occurred since the June 2016 technical report on the Project. The activities include drilling, geophysical surveys, exploration and the addition of mining claims. Additionally, the company changed its name to Broadway Gold Mining Ltd from Carolina Capitol Corp. This report is prepared in accordance with National Instrument 43-101, *Standards of Disclosure for Mining Projects* in *Canada*.

Broadway Gold Mining, Ltd. has acquired a 100% interest, subject to underlying royalties, in the Madison Gold-Copper Project located in the Butte-Anaconda mining region of Montana, USA. The Madison Project consists of six Federal Patented Lode Claims, 134 unpatented mineral claims and one unpatented placer claim. The property is located in the historic Silver Star Mining District, 23.6 miles southeast the historic town of Butte, Montana.

# 2.1 PURPOSE OF TECHNICAL REPORT

This technical report is intended to summarize and update technical information gathered since the publication of the 2016 technical report. Technical information includes recent drilling, geophysical surveys, soil sampling, and the addition of mineral claims.

#### 2.2 TERMS OF REFERENCE

This report was prepared in compliance with Canadian Securities Administrators' National Instrument 43-101, Standards of Disclosure for Mineral Projects, and in compliance with Form 43-101F1 (Technical Report.) The author visited the Project on October 26<sup>th</sup>, 2017. The site visit consisted of collecting samples for data verification as well as inspecting the general property layout.

# 2.3 PERSONAL SITE INSPECTION

The author visited the site on October 25, 2017. During the visit the author collected three quarter cuts of mineralized core representing average grades of mineralized intercepts. These data verification samples also represent a cross section of mineralized host rocks including massive sulphides, skarn and jasperoid. The entire project site was toured and no limitations were placed on the author during the visit. The core shack was found to be clean and orderly. Generally accepted practices in data collection and permit compliance were noted.

#### 2.4 UNITS OF MEASURE – ABBREVIATIONS

Unit	Description
%	Percent
°F	Degrees Fahrenheit
in	Inch
ft	Foot (12 Inches)
OZ	ounce
g/t	grams per tonne
ас	Acres

Table 2.1 Units of Measure and Abbreviations

Unit	Description
lb	Pounds
mi	Miles
opt	Ounces Per Ton
ppm	Parts Per Million
SG	Specific Gravity
in	Inches
m <sup>3</sup>	Cubic Meters
cm <sup>3</sup>	Cubic Centimeters

# 2.4.1.1 ACRONYMS AND SYMBOLS

 Table 2.2
 Acronyms and Symbols

Term	Description
Ag	Silver
Amsl	Above mean sea level
As	Arsenic
Au	Gold
BLM	United States Bureau of Land Management
CIM	Canadian Institute of Mining, Metallurgy and Petroleum
Со	Cobalt
Company	Broadway Gold Mining Ltd.
CWA	Clean Water Act
ESA	Endangered Species Act
FWS	Fish and Wildlife Services
Ma	Million Years
MMC	Metal Mining Consultants Inc
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
POO	Plan of operations
PRISM	Parameter-Elevation Regressions on Independent Slopes Model
Property	Madison Mine Project
QA	Quality Assurance
QA/QC	Quality Assurance/Quality Control
QC	Quality Control
QP(s)	Qualified Person(s)
RC or RVC	Reverse Circulation
US	United States
USFS	United States Forest Service
USGS	United States Geological Survey

### **3** RELIANCE ON OTHER EXPERTS

MMC's opinion and conclusions presented in this Technical Report are based on information provided by Broadway and reflect technical information at the time of report preparation. MMC has reviewed the available data and concludes that it is an acceptable basis for development of a Technical Report.

This report includes technical information, which could require subsequent calculations to derive subtotals, totals and weighted averages. Such calculations inherently involve a degree of rounding and consequently introduce a margin of error. Where these occur, MMC does not consider them to be material.

MMC is not an insider, associate or an affiliate of Broadway. The results of this report by MMC are not dependent on any prior agreements concerning the conclusions to be reached, nor are there any undisclosed understandings concerning any future business dealings.

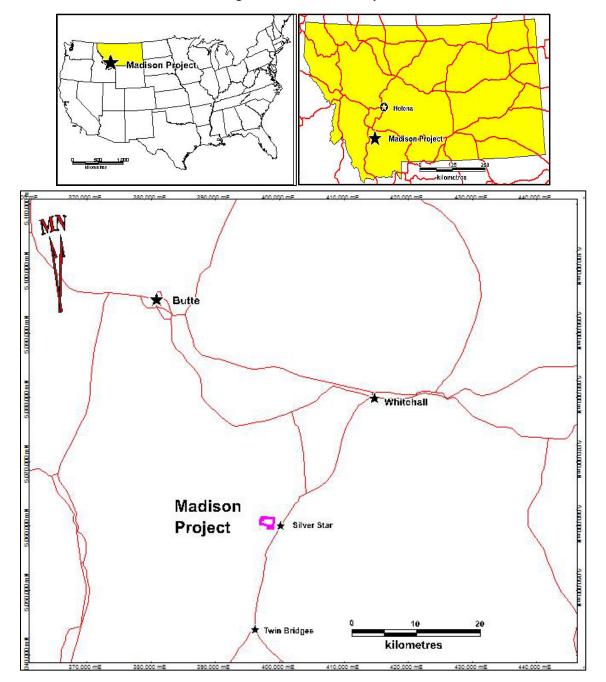
MMC has not researched ownership information such as property title and mineral rights.

The opinions expressed in this Report have been based on the information supplied to MMC by Broadway. The opinions in this Report are provided in response to a specific request from Broadway to do so. MMC has exercised all due care in reviewing the supplied information. Opinions presented in this report apply to the site conditions and features as they existed at the time of MMC's investigations, and those reasonably foreseeable. These opinions do not necessarily apply to conditions and features that may arise after the date of this Report, about which neither MMC has no prior knowledge nor had the opportunity to evaluate.

#### 4 PROPERTY DESCRIPTION AND LOCATION

#### 4.1 AREA AND LOCATION

The Madison Project lies in Madison County in southwestern Montana, approximately 23.6 miles southeast of the city of Butte. The area is a major mining camp hosting the world renowned Butte Copper Mine. The road accessible claims lie 0.9 miles west of the hamlet of Silver Star in Sections 2 and 3 of Township 2 South, Range 6 West. The center of the property is 398000E 5060500N in Zone 12 in the NAD27 datum. The claims lie on the Silver Star 7.5 minute quadrangle map sheet.







#### 4.2 MINERAL TENURE

Broadway added 102 additional lode claims to the Madison Project in 2017. The claims now comprise 6 federal patented lode claims, 136 federal unpatented lode claims, and 1 federal unpatented placer claim. The claim details can be found in Tables 4.1 and 4.2. These claims bring the Project footprint to a total of 2,804 acres plus a 192 acre ranch. The claims are contiguous to the west and to the south of the active exploration area. These new claims also provide a buffer along the western and southern extensions of geophysical targets identified by IP and magnetic Surveys. Figure 4.2 shows the previous claim boundary, as well as the new claim boundary, which illustrates the increase in area made to the Project.

Name	BLM No.	Lot No.	Expl. No.	Acres	Tax ID. No.
Victoria	MS491b	43	ME393	1.5	12335200
American	MS529	46	ME403	15.4	12335600
Ajax	MS564	48	ME416	3.8	12335700
Delaware	MS1236	53	ME983	18.9	12335300
Maryland	MS1237	54	ME990	10	12335400
Bowery	MS1380	55	ME1232	20.8	12335500

 Table 4.1
 List of Federal BLM Patented Claims

Table 4.2	List of Federal BLM Claims
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Serial Num	TS RG SEC	Claim Name/Number	Claimant(s)	Location Date	Last Assessment	Acres
MMC51847	02S-06W-02,03	ASPERIN	Coronado Resources USA LLC	02/19/1934	2018	20.66
MMC51849	02S-06W-02,03	NORTH AMERICAN	Coronado Resources USA LLC	03/10/1937	2018	20.66
MMC51850	02S-06W-02,03	NUT PINE	Coronado Resources USA LLC	06/12/1935	2018	20.66
MMC51851	02S-06W-02,03	SILVER GLANCE	Coronado Resources USA LLC	05/08/1939	2018	20.66
MMC51852	02S-06W-02	VALLEY VIEW	Coronado Resources USA LLC	06/12/1935	2018	20.66
MMC51854	02S-06W-02	WONDER	Coronado Resources USA LLC	06/12/1935	2018	20.66
MMC100481	02S-06W-03	BOWERY FRACTION	Coronado Resources USA LLC	03/17/1983	2018	20.66
MMC210975	02S-06W-02	LLOYD	Coronado Resources USA LLC	04/10/2003	2018	20.66
MMC210976	02S-06W-02	RYAN	Coronado Resources USA LLC	04/10/2003	2018	20.66
MMC210977	02S-06W-02	TAYLOR	Coronado Resources USA LLC	04/10/2003	2018	20.66
MMC214976	02S-06W-02,03	GARRETT	Coronado Resources LTD	02/10/2006	2018	20.66
MMC215333	02S-06W-03	NEW MONTANA	Coronado Resources USA LLC	04/07/2006	2018	20.66
MMC229769	02S-06W-02	MADISON NO 1	Coronado Resources LTD	09/19/2013	2018	20
MMC229770	02S-06W-02	MADISON NO 2	Coronado Resources LTD	09/19/2013	2018	20
MMC229771	02S-06W-02	MADISON NO 3	Coronado Resources LTD	09/19/2013	2018	20
MMC229772	02S-06W-02	MADISON NO 4	Coronado Resources LTD	09/19/2013	2018	20
MMC229773	02S-06W-02	MADISON NO 5	Coronado Resources LTD	09/19/2013	2018	20
MMC229774	02S-06W-02	MADISON NO 6	Coronado Resources LTD	09/19/2013	2018	20



Serial Num	TS RG SEC	Claim Name/Number	Claimant(s)	Location Date	Last Assessment	Acres
MMC229775	02S-06W-02	MADISON NO 7	Coronado Resources LTD	09/19/2013	2018	20
MMC229776	02S-06W-02	MADISON NO 8	Coronado Resources LTD	09/19/2013	2018	20
MMC229777	02S-06W-02	MADISON NO 9	Coronado Resources LTD	09/19/2013	2018	20
MMC229778	02S-06W-02	MADISON NO 10	Coronado Resources LTD	09/19/2013	2018	20
MMC229779	02S-06W-02	MADISON NO 11	Coronado Resources LTD	09/19/2013	2018	20
MMC229780	02S-06W-02	MADISON NO 12	Coronado Resources LTD	09/19/2013	2018	20
MMC231189	02S-06W-02	MADISON 13	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231190	02S-06W-03	MADISON 14	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231191	02S-06W-02	MADISON 15	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231192	02S-06W-02	MADISON 16	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231193	02S-06W-02	MADISON 17	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231194	02S-06W-02	MADISON 18	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231195	02S-06W-02	MADISON 19	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231196	02S-06W-02	MADISON 20	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231197	02S-06W-02	MADISON 21	Coronado Resources LTD	09/02/2014	2018	20.66
MMC231198	02S-06W-02	MADISON 22	Coronado Resources LTD	09/02/2014	2018	20.66
MMC234023	02S-06W-02	MADISON 23	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234024	02S-06W-02	MADISON 24	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234025	02S-06W-02	MADISON 25	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234026	02S-06W-02	MADISON 26	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234027	02S-06W-02	MADISON 27	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234028	02S-06W-02	MADISON 28	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234029	02S-06W-02	MADISON 29	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234030	02S-06W-02	MADISON 30	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234031	02S-06W-02	MADISON 31	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234032	02S-06W-02	MADISON 32	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234033	02S-06W-02	MADISON 33	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234034	02S-06W-02	MADISON 34	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234035	02S-06W-11	MADISON 35	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234036	02S-06W-11	MADISON 36	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234037	02S-06W-11	MADISON 37	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234038	02S-06W-11	MADISON 38	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234039	02S-06W-11	MADISON 39	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234040	02S-06W-11	MADISON 40	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234041	02S-06W-11	MADISON 41	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234042	02S-06W-11	MADISON 42	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234043	02S-06W-11	MADISON 43	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234044	02S-06W-11	MADISON 44	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234045	02S-06W-11	MADISON 45	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234046	02S-06W-11	MADISON 46	Broadway Gold Corporation	01/21/2017	2018	20.66

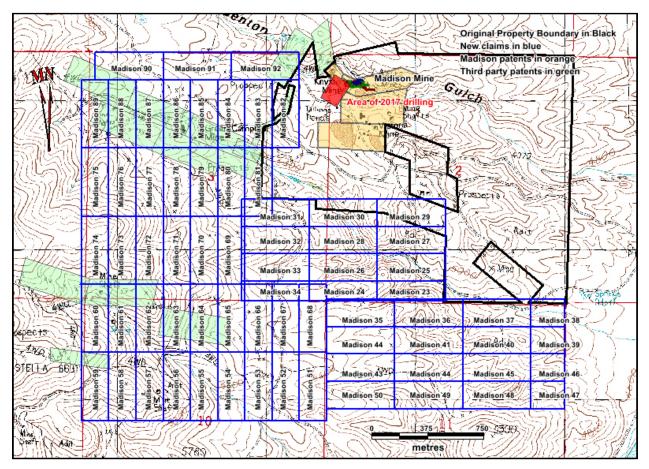


Serial Num	TS RG SEC	Claim Name/Number	Claimant(s)	Location Date	Last Assessment	Acres
MMC234047	02S-06W-11	MADISON 47	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234048	02S-06W-11	MADISON 48	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234049	02S-06W-11	MADISON 49	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234050	02S-06W-11	MADISON 50	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234051	02S-06W-10	MADISON 51	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234052	02S-06W-10	MADISON 52	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234053	02S-06W-10	MADISON 53	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234054	02S-06W-10	MADISON 54	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234055	02S-06W-10	MADISON 55	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234056	02S-06W-10	MADISON 56	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234057	02S-06W-10	MADISON 57	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234058	02S-06W-10	MADISON 58	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234059	02S-06W-10	MADISON 59	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234060	02S-06W-10	MADISON 60	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234061	02S-06W-10	MADISON 61	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234062	02S-06W-10	MADISON 62	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234063	02S-06W-10	MADISON 63	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234064	02S-06W-10	MADISON 64	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234065	02S-06W-10	MADISON 65	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234066	02S-06W-10	MADISON 66	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234067	02S-06W-10	MADISON 67	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234068	02S-06W-10	MADISON 68	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234069	02S-06W-03	MADISON 69	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234070	02S-06W-03	MADISON 70	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234071	02S-06W-03	MADISON 71	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234072	02S-06W-03	MADISON 72	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234073	02S-06W-03	MADISON 73	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234074	02S-06W-03	MADISON 74	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234075	02S-06W-03	MADISON 75	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234076	02S-06W-03	MADISON 76	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234077	02S-06W-03	MADISON 77	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234078	02S-06W-03	MADISON 78	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234079	02S-06W-03	MADISON 79	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234080	02S-06W-03	MADISON 80	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234081	02S-06W-03	MADISON 81	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234082	02S-06W-03	MADISON 82	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234083	02S-06W-03	MADISON 83	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234084	02S-06W-03	MADISON 84	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234085	02S-06W-03	MADISON 85	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234086	02S-06W-03	MADISON 86	Broadway Gold Corporation	01/21/2017	2018	20.66



		Claim				_
Serial Num	TS RG SEC	Name/Number	Claimant(s)	Location Date	Last Assessment	Acres
MMC234087	02S-06W-03	MADISON 87	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234088	02S-06W-03	MADISON 88	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234089	02S-06W-03	MADISON 89	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234090	02S-06W-03	MADISON 90	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234091	02S-06W-03	MADISON 91	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC234092	02S-06W-03	MADISON 92	Broadway Gold Corporation	01/21/2017	2018	20.66
MMC51853	02S-06W-02	VICTORY	Coronado Resources USA LLC	06/04/1935	2018	20

Figure 4.2 Madison Project Claims 2017



The following permits are in place for surface and underground exploration:

- Small Miners Exclusion Statement (SMES), allowing for a maximum disturbance of 5 acres with no upper limit on the amount of material mined on an annual basis Montana Department of Environmental Quality Water discharge permit MTX000205 for dewatering the Madison Mine
- Montana Department of Environmental Quality Water storm water discharge permit MTX300246 to properly collect runoff from the surface mine working
- Federal right of way grant MTM 96462 for operation of a 6 inch pipeline



Federal right of way grant MTM 95835 for use of a single lane road over federal lands

#### 4.2.1 ROYALTIES AND UNDERLYING AGREEMENTS

Broadway is subject to the following agreements and royalties on the claims:

- Payment of Cdn \$250,000 on TSX Venture Exchange Approval (paid)
- Issuance of 500,000 shares on the first anniversary of TSX Venture Exchange Approval (issued)
- Issuance of a further 500,000 shares on the second anniversary of TSX Venture Exchange Approval
- Payment of Cdn\$100,000 upon commencement of commercial production from the Madison Mine with commercial production defined as "the last day of the first period of 30 consecutive days during which ore has been shipped from the property on a reasonably regular basis for the purpose of earning revenues".

Through an underlying agreement between Minera Capital Corporation (subsequently Coronado Resources Ltd.) and Berglynn Resources (USA) Inc. dated 01-April-2005 the 6 patented claims and the oldest 12 unpatented claims (all except the Madison 1-12, Madison 13-22 and the Victory placer claim) are subject to a 2% Net Smelter Return (NSR) royalty. An annual pre-production payment of US\$50,000 is required on 1st of April, commencing in 2010, until such time as commercial production has been reached and the NSR becomes payable.

The Berglynn–Minera agreement was amended on 22-December-2011 when Berglynn Resources (USA) Inc. assigned its interest to Victoria Broadway Mines, LLC. In addition, the preproduction payment was clarified. Broadway is required to pay the greater of the US\$50,000 pre-production royalty or the 2% NSR on an annual basis, due on April 1.

All mineral claims are patented and unpatented lode claims located on Federal land. The claims are on land administered by the United States Bureau of Land Management (BLM). Patented claims require annual payment of taxes. The unpatented claims are renewable annually by completing exploration expenditures of US\$155 or paying the US\$155 as a maintenance fee by September 1 of each year. Each lode claim is 1500 feet long and 600 feet wide. The placer claim is 1500 feet long by 600 feet wide and requires the similar payment or work expenditure as the unpatented claims. If the taxes, maintenance fees, or the exploration expenditures are not paid or registered by the September 1 deadline the claims will revert to the BLM. As of the date of this report the fees on all claims which comprise the property have been paid as of September 1, 2017. The author anticipates that the company will make the required payments prior to the September 1, 2018 deadline.

The author is unaware of any other royalties, back-in rights, payments, or other agreements and encumbrances to which the property is subject. To the extent known, the property is potentially for environmental liabilities related to the Broadway Mine. The Property has acquired all the necessary permits to perform work. To the extent known, there are no other significant factors and risks that may affect access, title, or the right or ability to perform work on the Property.

#### 5 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

### 5.1 ACCESS AND INFRASTRUCTURE

The Madison Project can be reached from Butte, Montana, served daily by jet from the Delta Airlines hub at Salt Lake City, Utah. Access from Butte is 26.1 miles east along Interstate 90 to Whitehall, then 16.8 miles south from Whitehall along Highway 41 to Silver Star. The mine office lies 1.7 miles west along Ridge Road.

The property lies within subdued rounded hills with moderate relief. Elevation ranges from 4,800 feet at Tom Benton Gulch at the eastern boundary to 5,700 feet at the western boundary. The workings and bulk of the property lie on the west northwest trending ridge between Tom Benton Gulch and the next unnamed gulch to the south.

While some supplies, services and personnel are locally available in Whitehall, all are available in Butte. Power is available at the mine site, and adequate water is available for drilling, except in the driest seasons, when water would have to be trucked to drill sites. The surface land position is sufficient to support mining operations including potential tailings storage and waste disposal areas, heap leach pad areas, and potential processing plant sites.

#### 5.2 CLIMATE AND VEGETATION

Vegetation on the property is dominated by sagebrush, and local grass, buckbrush and poplar trees. The climate of the Silver Star area is typical of moderate elevations in Montana. Average precipitation is 11.38 inches and temperatures are moderate for this part of Montana as shown in Table 5.1 is taken from (http://www.intellicast.com/Local/History.aspx?month=12&location=USMT0357). Exploration can be undertaken throughout the year. The table shows values based on averages and sums of smoothed daily data.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Maximum (F)	35	39	47	55	64	73	82	82	71	58	42	33	56.8
Average Minimum (F)	12	15	21	27	35	43	48	46	37	28	19	10	28.4
Average Precipitation (in.)	0.31	0.27	0.47	0.75	1.99	2.16	1.65	1.33	0.99	0.64	0.49	0.33	11.38

 Table 5.1
 Average Temperature and Precipitation for Whitehall, Montana

# 5.3 ENVIRONMENTAL

There are no environmental liabilities associated with the Madison Project to the best of the author's knowledge

#### 6 **HISTORY**

The following condensed summary of the Silver Star district is taken from the Abandoned Mine Page of the Montana Department of Environmental Quality website. (http://deg.mt.gov/Land/AbandonedMines/linkdocs/126tech)

The Silver Star District, located on the southeast slopes of the Highland Mountain range, is one of the oldest lode mining districts in Montana. Many of the mines of the district were well known. In the 1860s and for the next decade, the town of Silver Star was the most important community between Virginia City and Helena.

The district is on the southeastern slope of Table Mountain, one of the 10,000 foot peaks of the Highland Mountain Range. The rocks of the area are schists, slates and quartzites with a small area of limestone partially surrounded by a granitic intrusion. The granitic intrusion has been traced to the north to Butte and is part of the Boulder Batholith. The quartz monzonite of the intrusion is cut by dikes of fine grained rhyolite porphyry; the schists are cut by more basic intrusive rocks such as basalts. Ore deposits in the district appear to be in rocks found in the marginal remains of the roof of the Boulder Batholith. The ore deposits in the Broadway group are of contact origin, while those in mines such as the Green Campbell are recrystallizations of deposits in the rocks prior to the placement of the batholith.

Following the opening of the initial Green Campbell mine, other quartz lodes were soon located and major mining operations, such as the Broadway, the Hudson Group, and the Iron Rod went into production. Silver Star acquired a post office in June 1869 and continued to be one of the major communities in southwestern Montana, ranking with Virginia City and Helena.

To process ore from the mines, a number of mills were constructed throughout the district in the 1860s. By the early 1870s, lode mines were well established in the district and were attracting miners from around the state.

#### 6.1 PREVIOUS MINING

The Broadway mine, a gold-bearing vein, was the third largest mine in the district. The Broadway mine property is composed of the Bowery, Delaware, Maryland and Victoria claims. The mine was ultimately developed by two shafts of 550 feet and 400 feet in depth on the Bowery claim and a 1,100 foot long tunnel driven from Tom Benton gulch on the Maryland Claim. In the main shaft levels were driven at 75, 175, 300, 350, and 450 feet. In 1902, a winze was extended from the lower level down to 650 feet. Drifting in the mine exceeded 2,000 feet. The operation is credited with over a million dollars in production; half of which was from 30,000 tons of oxidized ore mined prior to 1880. This oxidized ore came from a large stope west of the No. 2 shaft at a depth of less than 200 feet. Around 1880 the mine began to work deeper deposits which proved refractory and could not be worked locally. From 1887 to 1900 ore from Shaft No. 1 was shipped to the smelters. About 5,000 tons of oxidized ore was taken out above the 175 foot level with a further 3,000 tons from the 175 foot level down to the 300 foot level. In the 1890s the mine was producing a carload of \$20 per ton gold ore per day. In 1900 a 20-stamp mill and a cyanidation plant was constructed, however only 60 percent of the gold was recovered. In the early 1930s the mill tails were reworked for a good profit. The Broadway Gold Mining Company ran the mine from 1935 until it was shut down during World War II, milling 2,000 to 3,000 tons per month.



The Hudson Mine, has reported historical production of \$150,000. It can be located to the southeast within the claim boundaries but is not a part of Broadways' mining claims. Figure 4.2 shows the area outlined for the Hudson Mine. Geological details were not provided.

# 6.2 PREVIOUS WORK

The Broadway Mine has been the focus of several exploration programs since the mid 1970's. A brief summary of the various programs was provided in Price's (2005) technical report supporting the acquisition of the Madison property by Minera Capital Corp. which subsequently became Coronado Resources Ltd. Table 6.1 summarizes previous exploration work conducted on the Madison Project.

Summary of Program
Homestake Mining Company obtained a lease-option agreement from Kibbe and Company of Salt Lake City, Utah, July 1, 1975, on the Broadway-Victoria Property. At that time, the property consisted of seven patented claims and nine unpatented claims.
Berglynn Resources Inc., a Vancouver junior company optioned the property from Victoria Mines Inc., staked additional claims, and drilled 36 drill holes, some of which are now outside the current mineral titles.
Inspiration Mines Inc. (a subsidiary of an Anglo American Corp) - formed the Madison Gold Venture (MGV) with Berglynn (67%:33%). The JV completed detailed surface and underground mapping and sampling. Later, the partners completed 12 core holes and 26 reverse circulation drill holes.
Western Energy Co. joined the JV with the two JV participants noted above. The new JV completed 28 RVC holes and 2 core holes, a district scale airborne magnetic survey, and other work.
WestGold (IMI) optioned the property from Berglynn after Western Energy dropped out of the Joint Venture. WestGold completed 21 RVC holes and 9 core holes, and completed a sampling program within 3 trenches and the Black Pit.
Berglynn Resources Inc. (BGN:VSE) changed its name to Arkona Resources Inc. with a consolidation of capital on a 1-new- for-2-old-share basis. Galleon Mining (VSE) and BMR Gold (VSE) arranged a Joint Venture to option the property from Berglynn/Arkona.
BMR Gold Corp drilled five RC holes totaling 2,958 feet within the property.
Billiton Mining Co. acquired the Madison Gold Venture claims, the Rocky Mountain Gold claims and the adjacent Green Campbell mine (owned by others) with a view to exploring the whole package as a major copper-gold project, but company management and priorities changed and the options were never completed. About this time, the property was also examined by Newmont Mining.
Arkona Resources Inc. acquired a 100% interest, on behalf of Berglynn Resources (USA) Inc., in the property from BMR Gold.
Lexington Resources Inc., a private company, purchased 100% equity in Berglynn Resources (USA) Inc. and in the project, from Action Minerals Inc. (formerly Arkona Resources Inc.)
Minera Capital Corporation initiated the option agreement with Lexington.
Carolina Capital Corp. acquires 100% interest in the Madison Gold and Copper Mine. The company name is changed to Broadway Gold Mining Ltd.

Table 6.1 Property Exploration Summary	Table 6.1	<b>Property Exploration Summary</b>
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# 6.2.1 BERGLYNN RESOURCES INC.

A drill program was undertaken in 1983 by Berglynn Resources (USA) Inc. Data and collar information exists for 25 drill holes as shown in Table 6.2. Table 6.2 results are drilling intercepts and do not represent true thickness. Total footage of the program was 12,000 feet. The drilling was oriented at 35°, perpendicular to the limestone / quartz monzonite contact, with the exception of 83-16 which was drilled



at 206°. Several holes were not assayed for copper. Holes that did contain copper assays were likely to only be holes that contained obvious copper intercepts within the core.

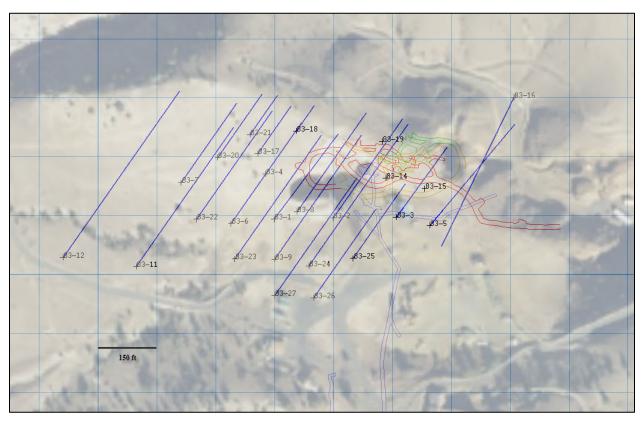


Figure 6.1 Surface Drill Traces (1983)

 Table 6.2
 1983 Core Drilling Summary (lengths are in feet)

Number	27Z12E	27Z12N	Elevation	Azimuth	Dip	Depth	from	to	length	opt Au	% Cu	Geology
83-1	397503	5061052	5253	37	-45	386.3		no sig	nificant in	tersection		
83-2	397547	5061052	5238	35	-45	437	272	292	20	0.604		JA
							337	348	11		9.004	JA
83-3	397596	5061055	5236	36	-60	442	244	308	64		0.789	JA
83-4	397493	5061083	5276	0	-90	592	155	181	26	0.264		JA
							330	560	230		0.795	JA HS
83-5	397624	5061051	5237	40	-45	477	no significant intersection					
83-6	397467	5061044	5264	35	-45	445	196	246	50	0.303		LS HS
83-7	397428	5061074	5296	35	-60	492	414	432	18	0.195		JA
83-8	397518	5061056	5243	35	-45	436	302	436	134		0.256	JA QM
83-9	397501	5061019	5261	35	-45	546	451	546	95		1.354	HS MS QM
							480	497	17	0.389		MS
83-10	397479	5060844	5287	0	-90	406		no sig	nificant in	tersection		
83-11	397393	5061008	5287	35	-45	612	516	553	37		0.382	JA
							143	180	37		2.006	HS
02.14	207507	5001000	5355	0	00	625	226	271	45		2.538	HS JA
83-14	397587	5061083	5255	0	-90	635	256	266	10	0.355		JA



Number	27Z12E	27Z12N	Elevation	Azimuth	Dip	Depth	from	to	length	opt Au	% Cu	Geology
							292	427	135		0.356	JA MS ES
83-15	397616	5061076	5252	0	-90	606		no sig				
83-16	397688	5061147	5155	206	-60	845		no sig	nificant in	tersection		
83-17	397488	5061100	5294	35	-60	294		no sig				
83-18	397518	5061118	5314	35	-60	159	no significant intersection					
83-19	397584	5061111	5287	0	-90	168	48	168	120		0.156	LS JA
83-20	397456	5061095	5306	35	-60	394	no significant intersection					
83-21	397482	5061113	5317	35	-60	245		no sig	nificant in	tersection		
83-22	397440	5061047	5272	35	-45	477		no sig	nificant in	tersection		
83-23	397471	5061018	5262	35	-45	545	364	382	18	0.109		PD HS
							462	545	83		1.423	JA QM
83-24	397527	5061014	5264	35	-45	623	410	594	184		0.373	JA MS QM
							504	544	40	0.241		MS
83-25	397561	5061021	5254	35	-60	464		•				
83-26	397531	5060990	5261	35	-60	552	no significant intersection					
83-27	397503	5060993	5244	35	-60	731	705	715	10	0.114		GS

#### 6.2.2 INSPIRATION MINES INC. (1986)

The 1986 core drill program was undertaken by Inspiration Mines Inc. Data and collar information exists for 19 drill holes as shown in Table 6.3. Table 6.3 results are drilling intercepts and do not represent true thickness. Total footage of the program was 5,004 feet. Though most of the holes were drilled at 35°, which is perpendicular to the limestone / quartz monzonite contact, four holes were drilled at various other directions.

Inspiration Mines Inc. also conducted a reverse circulation drill program. Data and collar information exists for 15 drill holes as shown in Table 6.3. Total footage of the program was 4,605 feet. There were no copper assays for 86-R1 to 86R-4.

Inspiration consulted Vance Thornsberry to provide a resource estimate on the Madison Mine Project. With the drilling Inspiration Mines Inc. added to the previous drilling database Thornberry estimated a historic resource of 1,406,400 tons at 0.102 ounces per ton gold using a 0.02 ounces per ton cut-off (Thornsberry 1986). Broadway Gold Mining Ltd. has not done sufficient exploration to verify this historic estimate and is not treating it as a current resource and further the historic estimate cannot be relied upon.

Thornsberry 1986 noted an altered and mineralized monzonite intrusive that was exposed on the north side of the Victoria Pit. The intrusion displayed anomalously high precious metal and copper contents. He suggested this was indicative of a porphyry copper system. He suggested that this was likely to be the mineralizer for sulfide mineralization found in the skarns on the Property.



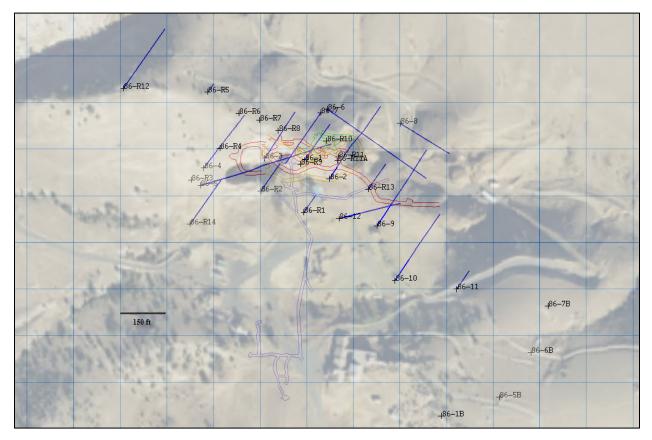


Figure 6.2 Surface Drill Traces (1986)

Table 6.31986 Core Drilling Summary (all lengths in ft)

Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	from	to	length	opt Au	% Cu	Geology
86-1	207500	5001000	5262	24	45	202 5	87	200	113		0.286	JA QM
	397589	5061089	5263	34	-45	202.5	120	136.5	16.5	0.114		JA
86-1B	397722	5060843	5312	0	-90	132.5		no signi	ficant inte	rsection		
86-2	397614	5061071	5255	35	-46	402	103.5	308.5	205		1.677	JA GS MS
86-2B	397744	5060823	5309	0	-90	125		no signi	ficant inte	rsection		
86-3	207554	5001000	5215	22	47	245	58.5	68.5	10	0.113		LS
	397551	5061090	5215	33	-47	245	100	245	145		0.179	JA QM
86-3B	397685	5060748	5246	0	-90	155	no significant intersection					
86-4	207404	5061070	5200	37	40	202	170	182	12	0.122		LS
	397491	5061078	5280	37	-46	302	232	260	28		0.205	JA QM
86-4B	397721	5060799	5287	0	-90	79.5	72	73	1	0.582		QM
							142	154.5	12.5	0.122		HS
86-5							392	396	4	1.788	1.700	JA
80-3	397487	5061060	5270	72	-47	603	413	480.5	67.5		0.943	HS MS GS
	007.107	0001000	02/0	· <b>-</b>			469.5	480.5	11	0.140		MS ES
86-5B	397779	5060863	5334	0	-90	119.5	no significant intersection					
							70	225	155		0.458	QM GS CZ
							211	223	12	0.181		CZ



Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	from	to	length	opt Au	% Cu	Geology
86-6	397613	5061139	5250	125	-46	549	383.5	443.5	60		0.518	GDS MS
							395	419	24	0.751		MS
86-6B	397810	5060908	5294	0	-90	124.5	no significant intersection					
86-7	207005	5001125	5254	215	45	202 5	0	147	147		0.197	JA QM LS
	397605	5061135	5251	215	-45	283.5	175	246.7	71.7		0.679	LS JA HS
86-7B	397828	5060954	5271	0	-90	163.5		no signi	ficant inte	rsection		
86-8	397684	5061128	5159	122	-45	267.5	58	210	152		0.236	ES GS QM
86-9	397663	5061031	5242	33	-46	406.5	326	375.3	49.3		0.469	GS
86-10	397679	5060976	5253	34	-47	350	no significant intersection					
86-11	397738	5060968	5263	34	-69	204	no significant intersection					
86-12	397630	5061034	5231	76	-46	289.5	no significant intersection					

# 6.2.2.1 WESTERN ENERGY COMPANY

Western Energy Company drill continued to drill on the Madison project in 1987 with a core drill program. Data and collar information exists for two core and four reverse circulation drill holes as shown in Figure 6.3 and Tables 6.4 and 6.5. Tables 6.4 and 6.5 results are drilling intercepts and do not represent true thickness. The total footage of the program 3,019 feet for both core and RC.

Western Energy Company concluded with this drill program that the gold mineralization was confined to the jasper and sulphide skarn material. The jasper occurs as a semi-continuous sheet commonly in contact with the intrusion. The sulphide mineralization was found in hedenbergite and garnet skarns.

Western Energy Company consulted with Garry Anderson and Martin Foote to update the resource estimate for the Project. The resultant resource estimation equated to 1,125,000 tons at 0.090 OPT au using a 0.02 OPT cutoff (Anderson and Foote 1987). Broadway Gold Mining Ltd. has not done sufficient exploration to verify this historic estimate and is not treating it as a current resource and further the historic estimate cannot be relied upon.

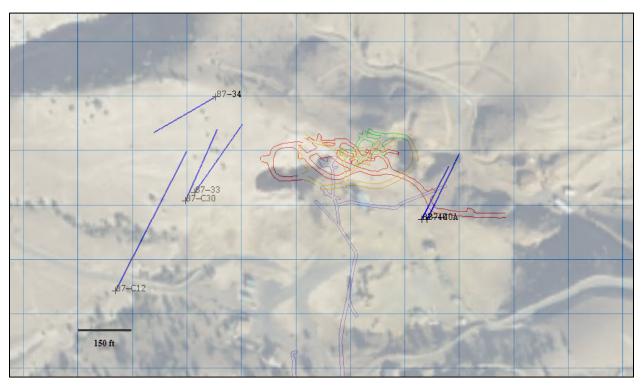


Figure 6.3 Surface Drill Traces (1987)

 Table 6.4
 1987 Drilling Summary (lengths in feet)

Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	Opt Au	% Cu	Geology
87-C12	397395	5060976	5277	27	-62	924	712	717	5	0.154		HS
87-C30	397453	5061052	5273	24	-71	665	401	577	176		1.197	JA ES
							537	568	31		3.757	JA

 Table 6.5
 1987 Reverse Circulation Drilling Summary (lengths in feet)

Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	Opt Au	% Cu	Geology
							170	185	15	0.105		PB
87-33	397461	5061060	5275	35	-60	460	345	460	115		0.504	JA QM
							390	410	20	0.127		JA
87-34	397478	5061141	5350	240	-45	280		no signi <sup>.</sup>	ficant inte	rsection		
07.40	397651	5061044	5254	27	F 0	310	0	25	25		0.276	TL GS
87-40	397051	5061044	5254	27	-58	310	275	310	35		0.395	GS DS
87-40A	397657	5061045	5248	26	-58	380	285	360	75		0.281	GS

# 6.2.3 WESTERN GOLD EXPLORATION AND MINING COMPANY, LIMITED PARTNERSHIP

Western Energy Company terminated its participation in the Madison Joint Venture, leaving only Berglynn Resources (USA) Inc. and Inspiration Mining Inc. through its Western Gold Exploration and Mining Company, Limited Partnership) as joint venture partners going forward into 1988.

MMC

The 1988 core drill program was undertaken by Western Gold Exploration and Mining Company, Ltd. Data and collar information exists for 9 drill holes as shown in Table 6.6. Total footage of the program was 2560 feet. The holes were in numerous directions with only two drilled perpendicular to the limestone/quartz monzonite contact.

The 1988 reverse circulation drill program was undertaken by Western Gold Exploration and Mining Company, Limited Partnership. Data and collar information exists for 8 drill holes as shown in Table 6.7. Total footage of the program was 3191 feet. All holes were drilled at 35°, with 1 drilled at a -90°, perpendicular to the limestone / quartz monzonite contact, with the exception of one hole drilled at an angle to the contact. Tables 6.6 and 6.7 results are drilling intercepts and do not represent true thickness.

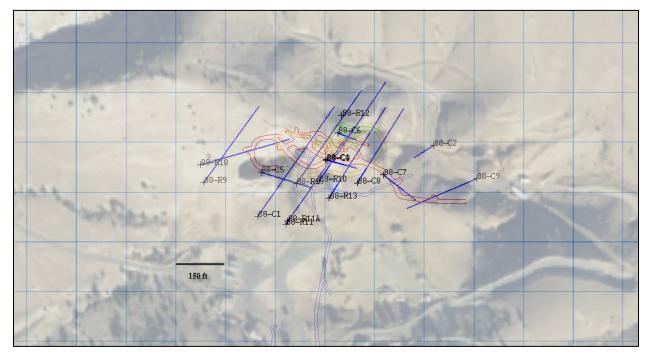


Figure 6.4 Surface Drill Traces (1988)

 Table 6.6
 1988 Core Drilling Summary (lengths in feet)

Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	OPT Au	% Cu	Geology
							260	265	5	2.001		LM
88-C1	397529	5061029	5268	35	-46	584	375	564	189		1.021	PB MS GS DS ES
							447	461	14	0.146		MS
							37	47	10	0.187		GS DS
88-C2	397692	5061100	5151	238	-75	269	134	135	1	0.547	2.720	GS DS
							183.5	221	37.5		0.717	GS DS MS HS
88-C3	397593	5061083	5258	105	-45	135		no sign	ificant int	ersection		
88-C4	397592	5061083	5258	106	-73	309	140.5	150.5	10		0.909	HS
88-C5	397533	5061070	5266	107	-50	253	88.5	92.5	4	0.230		HS
88-05	29/222	5061070	5200	107	-50	255	131	137	6	0.694		HS
88-C6	397603	5061108	5286	111	-57	113	41	61	20		0.169	JA
							69	83	14	0.077		JA



88-C7	397645	5061071	5260	128	-45	178		no sign				
88-C8	397621	5061063	5254	32	-45	383	104	LM HS JA GS DS				
88.60	207724	5001071	F120	247	10	220	103	267.5	164.5		0.372	GS DS MS
88-C9	397731	5061071	5139	247	-46	336	193.5	228	34.5	0.294		MS

Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	OPT Au	% Cu	Geology
88-R9	397480	5061058	5272	35	-44	395	205	225	20	0.157		PB
							325	360	35		0.216	JA QM
							135	495	360		0.563	JA MS GS DS QM
88-R10	397586	5061064	5356	36	-43	495	255	280	25		2.664	JA MS
00 110	337300	5001001	5550			155	330	350	20		2.330	GS DS MS
88-R11	397555	5061023	5262	35	-45	186		no signifi	cant inter	section		
88-R11A	397557	5061026	5262	35	-45	495	300	420	120		0.588	JA MS DS GS
88-KIIA	397557	5061026	5262	30	-45	495	410	420	10	0.664		DS GS
88-R12	397607	5061125	5276	0	-90	185	25	185	160		0.224	JA ES QM
88-R13	397595	5061048	5257	35	-45	475	210	335	125		0.574	JA GS DS
88-R18	397477	5061074	5284	76	-55	480	130	285	155	0.105		PB HS
							415	450	35		0.802	JA
88-R19	397565	5061060	5243	35	-45	480	170	325	155		0.336	PB JA GS DS ES

Table 6.7 1988 Reverse Circulation Drilling Summary (lengths in feet)

#### 6.2.4 BRM GOLD CORP

BMR Gold Corp. acquired an option on the property in 1992 and commissioned an evaluation report undertaken by Bourns (1992). He reviewed all of the existing data and historic estimates and concluded a historic drill indicated resource in the order of 1 million tons at 0.090 ounces per ton gold utilizing a 0.02 ounces per ton cutoff was reasonable. Bourns (1992) also determined a historic drill indicated copper resource of 1.9 million tons at 0.64 percent in the same area as the historic gold resource. Broadway Gold Mining Ltd. has not done sufficient exploration to verify this historic estimate and is not treating it as a current resource and further the historic estimate cannot be relied upon.

Bourns (1992) suggested "a high grade porphyry style of mineralization" was indicated at depth. He recommended acquiring and reviewing all existing data, metallurgical work and underground access and sampling. He also recommended deeper drilling with holes in the order of 600 to 2000 feet.

BRM Gold Corp. followed up on the recommendations by the Bourns report and conducted a reverse circulation drilling program in 1994. Data and collar information exists for 5 drill holes as shown in Table 6.8. Table 6.8 results are drilling intercepts and do not represent true thickness. Total footage of the program was 2945 feet. All holes were drilled at 35°, perpendicular to the limestone/quartz monzonite.



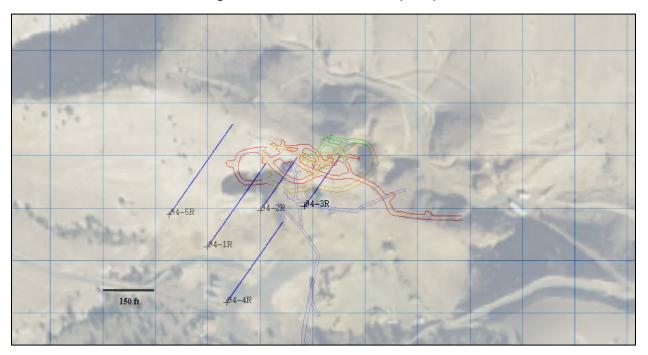


Figure 6.5 Surface Drill Traces (1994)

 Table 6.8
 Reverse Circulation Drilling Summary (lengths in feet)

Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	OPT Au	% Cu	Geology
							485	490	5	0.329		HS GS
94-1R	397500	5061017	5268	35	-60	585	505	510	5		2.180	GS DS
							535	540	5		2.620	GS DS
04.20	207546	5061050	5243	35	-70	540	340	360	20	0.190	0.118	GS DS HS
94-2R 397	397546	5001050	5245	30	-70	540	380	445	65		0.221	JA HS DS GS
94-3R	397584	5061055	5254	35	-70	520	220	230	10	0.136		HS DS
94-3K	397584	2001022	5254	35	-70	520	310	345	35		0.360	GS ES DA
94-4R	397520	5060975	5233	35	-65	665	495	500	5	0.410		GS
04 50	207466	F061044	F109	25	60	625	475	635	160		1.649	HS DS JA GS QM
94-5R	397466	5061044	5198	35	-60	635	480	490	10		10.580	HS DS

# 6.2.5 CORONADO RESOURCES LTD.

#### 6.2.5.1 SURFACE PROGRAMS

Coronado completed surface drilling over the fall of 2005 and the summer of 2006. The purpose of the two phase program was to duplicate and confirm the earlier drill results and extend the mineralized zones in preparation for underground development. This program was largely successful as shown in Table 6.9. Table 6.9 results are drilling intercepts and do not represent true thickness. The fall 2005 program was 6 holes totaling 2,419.5 feet while the summer 2006 program was a another 8 holes totaling 2,940.5 feet.

MMC

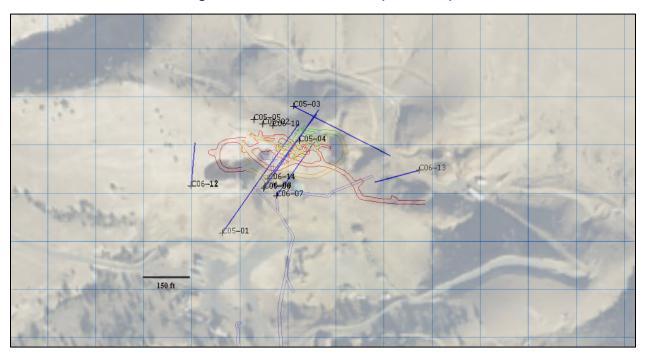


Figure 6.6 Surface Drill Traces (2005-2006)

 Table 6.9
 2005-2006 Coronado Surface Core Drilling Summary (lengths in feet)

Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	OPT Au	% Cu	Geology
							410	570	160		0.149	JA MS HS
C05-01	397542	5061033	5194	35	-45	584	436	446.9	10.9	0.102		JA
							505	518	13	0.171		MS
							25	54.5	29.5		0.184	JA GS DS
C05-02	207567	7567 5061118 5285	EJOE	0	-90	388	194	377.5	183.5		0.883	PB JA GS QM
C03-02	597507	5001118	5265	0	-90	388	305	326	21		3.813	JA
							224.8	281.3	56.5	0.342		JA
							10	80	70		0.386	PB ES
C05-03	397598	5061136	5250	117	-46	488	214.5	244	29.5		0.789	MS GS
							222.5	229	6.5	0.272		GS
C05-04	397602	5061104	5281	0	-90	435	10	435	425		0.273	PB JA QM
C03-04	597002	5001104	5261	0	-90	455	292	323	31	0.202		JA
C05-05	397559	5061122	5248	0	-90	106		no sigr	nificant in	tersection		
							210.8	411	200.2		6.966	JA MS GS
							265.2	293	27.8		40.028	JA MS
C05-06	397579	5061072	5157	35	-57	418.5	314.0	319	5.2		19.400	MS
							395.8	402	6.2		13.650	MS
							347.6	395.8	48.2	0.353		MS
C06-07	397591	5061065	5166	35	-58	389	222.7	313	90.3		0.659	PB JA MS
00-07	22/221	2001002	2100	55	-30	202	238	247.4	9.4	0.601		РВ
							155	432.9	277.9		1.899	HS GS PB JA MS ES
C06-08	397574	5061065	5213	35	-50	460	156.7	169	12.3	0.188	4.962	GS PB
		3001003	0110				272.5	280	7.5		19.060	MS



Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	OPT Au	% Cu	Geology
							409.7	418.7	9	1.217	19.584	MS
C06-09	397572	5061063	5200	35	-64	468	235.5	410.5	175		0.378	PB JA GS DS MS
C06-09	39/5/2	5001003	5200	30	-04	04 408	308.8	311.6	2.8	1.144		MS
C06-10	397577	5061117	5287	0	-90	116	212.4	356	143.6		0.302	JA PB MG QM
C06-10	39/5//	5061117	5287	0	-90	446	228	257.8	29.8	0.333		MS
C06-11	397500	5061067	5224	5	-54	234	124	199.4	75.4	0.167		HS JA
C06-12	397500	5061066	5208	5	-65	288	138	151.4	13.4	0.206	1.053	PB HS
C00-12	597500	5001000	5208	5	-05	200	201	223	22	0.194		HS MG MS
C06-13	397714	5061081	5128	255	-57	263	86.4	251	164.6		0.412	GS DS MS
000-15	597714	5001081	5126	255	-57	205	148	188	40	0.315		MS
C06-14	397581	5061078	5190	37	-50	392.5	134.7	302	167.3		0.488	HS PB JA MS GS
000-14	397301	5001078	3190	57	-50	392.5	173	182	9	0.133		РВ

#### 6.2.5.2 UNDERGROUND ACTIVITY

The successful drilling program led to the decision to commence a decline in October 2006. The decline (collar 5150 feet) eventually reached a length of 1,427 feet developing the 200 Level (5070 feet, 5050 feet and 5030 feet), 500 Level (4970 feet) and 4930 feet) and 600 Level (4900 feet and 4890 feet). Three small drilling programs (U07, U09, and U10) were completed underground as shown in Table 6.10.

The 2007 program consisted of 575.6 feet in four holes from the drilling station above 200 Level. The target was the East Drift area testing gold intersections from the earlier surface drilling programs (Figures 6.7 and 6.8). Significant copper values were encountered as shown in Table 6.10.

The 2009 program comprised of 7 holes totaling 766.5 feet. Figure 6.9 shows the locations of these holes in relation to underground drifts. U09-07 was drilled from the same drill station as the four previous holes, targeting the same gold area. Encouraging gold values were encountered. U09-05 and U09-06 were drilled for a copper-gold target. The remaining holes tested the down dip extension of the main mineralized zone below the 500 level.

The three holes drilled in 2010 targeted the same down dip extension, leading to the extension of the decline to the 600 Level. Locations can be seen in Figure 6.9. Results can be seen in Table 6.10. Table 6.10 results are drilling intercepts and do not represent true thickness. Figure 6.10 shows the development of the 600 Level.



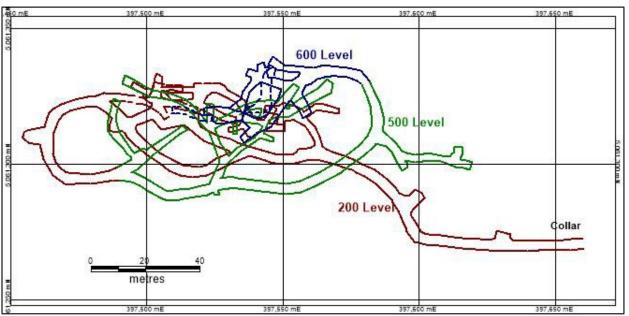
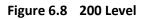
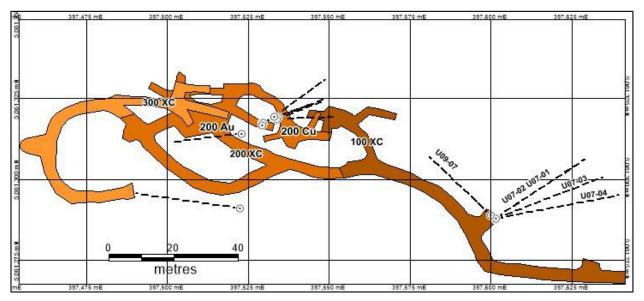


Figure 6.7 Coronado Decline

\*UTM NAD 83 Zone 12





\*UTM NAD 83 Zone 12

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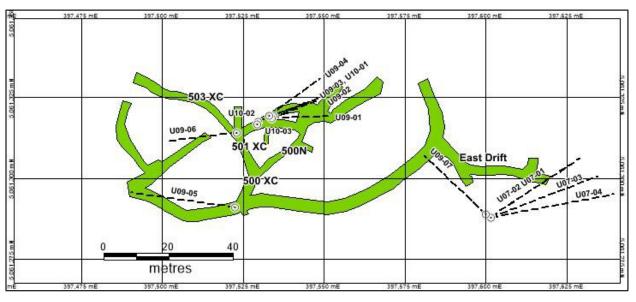


Figure 6.9 500 Level

\*UTM NAD 83 Zone 12

# Figure 6.10 600 Level

UP IONO	397.475 mE	397.500 mE	397.525 mE	397.550 mE	397.575 mE	397.600 mE	397.625 mE
				602XC 601XC	0'XC		
				604XC			
	0	20	40				
	397.475 mE	metres	397,525 mE	397,550 mE	397,575 mE	397,600 mE	397,625 mE

\*UTM NAD 83 Zone 12

#### Table 6.10 2007-2010 Coronado Underground Core Drilling Summary (lengths in feet)

Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	OPT Au	% Cu	Geology
							105	109	4		2.090	ES
U07-01	397664	5061078	5101	57	-45	142.3	109	116	7	0.14	2.090	ES
							116	135	19		2.090	ES
U07-02	397664	5061078	5102	57	-30	124	109	122.5	13.5		0.253	EGS
U07-03	397664	5061077	5102	79	-35	155.3	116	155.3	39.3		0.303	ES
							95.5	130.5	35		0.848	ES



Number	27Z12E	27Z12N	Collar El	Azimuth	Dip	Depth	From	То	Length	OPT Au	% Cu	Geology
U07-04	397664	5061077	5101	69	-41	154	130.5	143	13	0.194	0.848	ES
							143	154	11		0.848	ES
							0	57	57		1.356	ES
							12.5	27	14.5	0.541		HS
U09-01	397596	5061108	4958	88	-45	81.5	35.0	57	22	0.233	1.360	HS
							50.5	57	7		8.000	MS
							0	63	63		1.457	HS
U09-02	397596	5061109	4957	69	-40	68	22	58	36	0.435		HS
							39.5	63	23.5		2.963	HS
U09-03	397596	5061108	4958	69	-57	89	10	75.5	65.5		0.944	HS
							28.5	70	41.5	0.639		HS
							17.5	73	55.5		2.975	GS JA MS
							61	73	12		10.253	MS
U09-04	397595	5061109	4957	54	-40	82	23	25	2	0.612		JA MS
							48	73	25	0.588		JA MS
U09-05	397585	5061080	4941	278	-40.5	140	0	140	140		0.734	GS JA
							0	21	21	0.191		GS
U09-06	397585	5061104	4960	264	-40	95	0	95	95		1.622	MS GS
							0	18.5	18.5	0.153	5.616	MS GS
							111	217	106		0.614	GS MS
							158	163	5	0.308		MS
U09-07	397662	5061078	5100	313	-66	211	180.5	184	4	0.400		GS
							201	207	6	0.172	2.391	GS
							20.5	94	73.5		0.608	MS GS
U10-01	397592	5061107	4958	69	-70	142.5	29	64.4	35.4	0.779		MS GS
							84	94	10	0.774		GS
							12	119	107		1.289	GS HS MS MG
U10-02	397592	5061107	4958	0	-90	138	12	19	7		13.570	GS
							45	119	74	0.743		MS MG HS
U10-03	397592	5061106	4958	0	-90	59.5	0	53	53		0.715	no geology
							53	59.5	6.5	0.62	0.715	no geology

# 6.2.5.3 UNDERGROUND GRAB SAMPLING

Though some chip and channel sampling was undertaken, the bulk of the underground sampling consisted of regular sampling of the material as it was brought to surface by blind grab sampling of scoop tram buckets. Table 6.11 shows the tabulated sampling results from the various underground workings. The samples include the level development along with raise and stope development. The number of samples, the maximum and minimum value and the average are recorded for each of the headings.

			%	Coppe	r		(	OPT Au	
Level	Heading	# Samples	Average	Min	Max	# Samples	Average	Min	Max
100	100 Cu	59	7.358	0.242	16.160				
200	200 Au					158	0.103	0.002	20.728
200	200 Cu	54	5.494	0.328	25.880				
300						120	0.342	0.002	1.426
400	East Drift					52	0.235	0.004	1.3
500	500N					29	0.463	0.008	3.172
500	503 XC					5	0.008	0.004	0.028
500	500 XC					58	0.408	0.044	2.12
500	501 XC					25	0.151	0.008	0.512
500	500 stope					88	0.372	0.006	1.326
500	500/501	93	4.600	0.214	56.600				
600	600 XC	17	1.644	0.053	4.482				
600	601 XC	163	4.688	0.070	16.56	168	0.429	0.010	2.728
600	601 Stope	36	2.005	0.265	6.816				
600	602 XC	22	0.628	0.297	1.307	33	0.088	0.012	0.272
600	604 XC	42	0.820	0.133	7.651	48	0.663	0.012	1.924

Table 6.11 Underground Heading Sampling Summary

### 6.2.5.4 BULK SAMPLE TESTING

A mineralized bulk sample was brought to surface, separated as gold rich mineralization or copper rich mineralization, crushed and shipped to three different mills for processing and metal recovery tests. The bulk samples were shipped to the Barrick Gold Corporation Golden Sunlight Mill near Whitehall, Montana, the Kinross Gold Kettle River Mill at Republic, Washington or the Contact Mill and Mining Co. floatation mill near Philipsburg Montana. A total of just under 20,000 tons were shipped as shown in Table 6.12.

Table 6.12	Bulk Sample Mill Settlement Summary	
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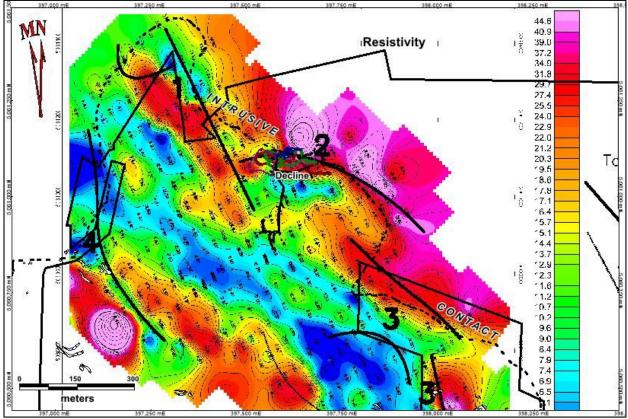
			Gr	ade	Conta	ined Metal
Heading	Mineralization	Tons	OPT Au	% Cu	Oz Au	Lbs Cu
600 Level 601 I Drift	Massive sulphide	4,521	0.39		1,763	339,200
600 Level 604 I Drift	Massive sulphide	1,512	0.73		1,104	
500 Level	Chalcocite	3,909	0.56		2,189	
100 level copper	Chalcocite + native copper	1,230		18		442,800
200 Level copper	Chalcocite + native copper	1,300		14		364,000

200 Level Jasper Gold	Gold-bearing jasper	4,655	0.54		2,514	
Copper Stope 500 Level	Massive sulphide	2,678		35		1,874,600
Totals		14,597	0.36	16	7,570	3,020,600

In addition to the underground development, Coronado completed a gradient array Induced Polarization Survey in the summer of 2008 (Gradient Geophysics, 2008). Four targets were identified as shown on Figures 6.11 and 6.12.

- Target 1: a chargeability high next to a resistivity low, suggesting straight, direct, vertically orientated targets in an area of intensive mineralization.
- Target 2: suggests a continuation of the sharp vein system directly to the north.
- Target 3: a zone of high chargeability and low resistivity related to the trend along target 2.
- Target 4: a vein (narrow) system associated with the main east-west trend but offset to the west.

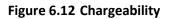
The anomalies appear to be sharply defined to the northeast. With the southern area readings, the anomaly diminishes considerably where the east-west anomaly strengthens. This may denote a deep, main source for mineralization along an east-west trend that may exploit a fracture system in a northerly direction.

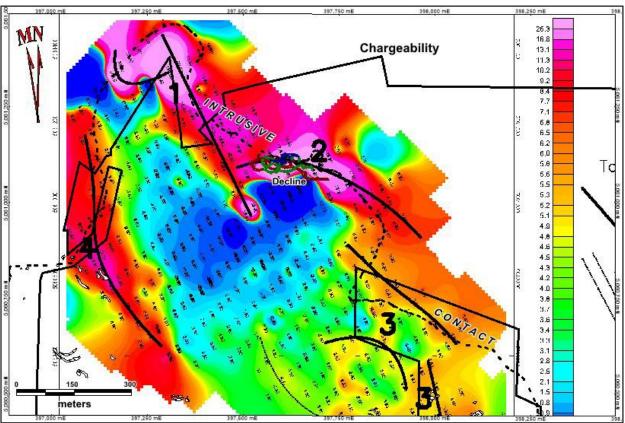


## Figure 6.11 Resistivity

\*UTM NAD 83 Zone 12







\*UTM NAD 83 Zone 12



## 7 GEOLOGICAL SETTING AND MINERALIZATION

## 7.1 REGIONAL GEOLOGY

The Madison project lies in the Silver Star District along the south flank of the Radar Creek pluton in southwestern Montana. The world famous Butte copper mine lies 23.6 miles to the northwest.

The regional geology (Figure 7.1) is taken from the digital geological map of Stoeser et al (2005). The oldest rocks lie in the northwestern portion of the map area and consist of middle Proterozoic Meta conglomerates and quartzites. A small outlier of Cambrian carbonates and mudstones lies in the northwest corner of the map area. Devonian and Mississippian carbonates and fine grained mixed clastic rocks lay in the southeast corner of the map area.

Tertiary through Archean metamorphic rocks lie in the west central map area and includes the units hosting the Madison Project. These rocks are classified as metamorphic and plutonic rocks. They are intruded by Tertiary to Cretaceous quartz monzonites and diorites, including the Radar Creek pluton. These rocks are overlain by Tertiary medium to coarse grained mixed clastic rocks. Quaternary alluvium covers much of the lower Jefferson River valley and lower reaches of several of its tributaries.

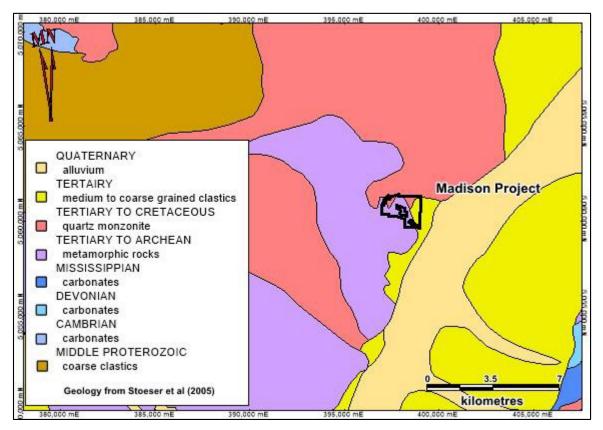


Figure 7.1 Regional Geology

## 7.2 PROPERTY GEOLOGY

The property lies along the Great Falls Tectonic Zone, a major crustal break that controls porphyry and epithermal mineralization from Boise, Idaho to the Central Montana Gold Province. The Broadway

AND

property lies approximately along the boundary between the calc-alkaline intrusives of the Butte district to the west and the sub-alkaline latite intrusives associated with the Golden Sunlight mine to the east.

The property geology as shown in Figure 7.2 was compiled by the various geologists of the Madison Joint Venture, led by Inspiration Mines Inc. dated April 1986. The larger part of the map in the northeast is shown as a combination of Tertiary gravel covered and "Not Mapped". The following surface geology has been summarized by Hillesland and Winslow (1988).

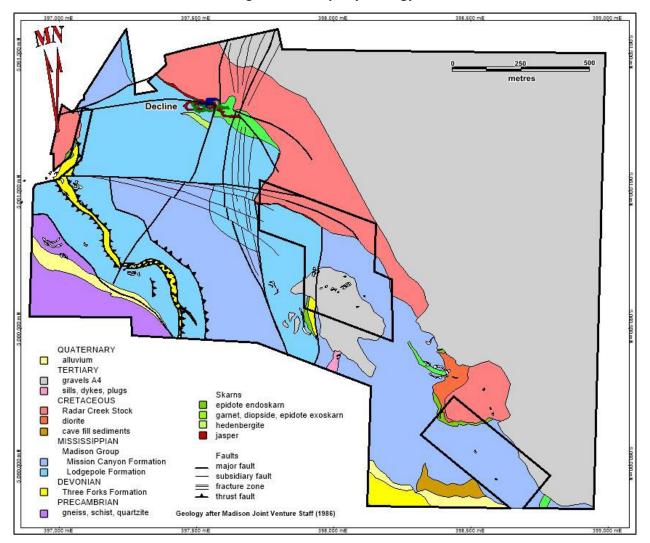
The Madison Project lies along the south flank of the Radar Creek pluton, a composite intrusion (mostly granodiorite) of Cretaceous age. This pluton intrudes a carbonate-bearing formation of middle-Paleozoic age along a northwest trending contact zone. Contact metamorphism, along with jasper, can be traced for more than 9,000 feet along strike. Southwest of the contact zone, Mississippian-age Madison Group limestone and Devonian-age Jefferson Formation (dolomite) are the most common rock types. The sedimentary rocks occupy a block about 3000 feet wide. The southwestern boundary of the sedimentary block is juxtaposed against Archean age Cherry Creek gneiss and schist by the Green Campbell Fault, a major re- verse fault of unknown age.

The geological mapping did not go into any detail in describing the rock units outside of the immediate mine area, concentrating on the intrusive and the various skarn zones and types.

The Devonian Three Forks Formation consisting of dolomite, mudstone and bituminous shale, forms a thrust fault slice in the southwest section of the property. The bulk of the mapped portion of the property is underlain by the Mississippian Madison Group, consisting of the Mission Canyon and Lodgepole Formations.

The Mission Canyon formation is composed of white bioclastic limestone and oolitic calcarenite with zones of dolomitization and occasional anhydrite. The Lodgepole Formation is composed of limey mudstone, shale and chert. The Lodgepole Formation appears to be the host of the mineralization at Madison.







\*UTM NAD 83 Zone 12

## 7.3 RADAR CREEK PLUTON

The geology of the Radar Creek Pluton and the various skarns is summarized from Hillesland and Winslow (1988). The Radar Creek pluton is primarily a medium-grained quartz monzonite. Syenodiorite occurs locally where K-metasomatism is pervasive. Near the skarn contact, endomorphism and calcium-contamination are intense and augite is frequently supplanted by coarsely crystalline hornblende. Disseminated sulphides, including pyrite, pyrrhotite, and chalcopyrite commonly occur within the quartz monzonite along the intrusive/skarn contact. Typical mineral assemblages include: quartz 5%, orthoclase 25%, plagioclase 38%, hornblende 19%, biotite 5%, augite 3%, magnetite 3%, sphene 1%, and apatite 1%.

An altered diabase porphyry with disseminated sulphides was logged in one drill hole. The majority of the rock is composed of coarse grained plagioclase laths in random orientation with mafics packed into the interstices. Primary igneous textures are preserved despite strong K-metasomatism. Pyrite is not only disseminated, but is localized in narrow veins of orthoclase. An estimate of the rock mode is as follows:



orthoclase 12%, illite 53%, biotite 23%, pyrite 3%, goethite 2%, leucoxene 2%, clinozoisite 5%, ilmenite (trace), and apatite (trace).

Zones of epidote endoskarn were developed along the chilled margin of the Radar Creek intrusion. Epidote content increases away from the intrusion, comprising up to 95% of the rock before grading into exoskarn lithologies. The rock is mainly a densely-packed jumble of prismatic to granular epidote. Other documented accessory minerals include salite, garnet, actinolite, quartz, calcite, sphene, zircon, smectite (formerly an amphibole), goethite, byssolite, and disseminated sulphides, such as pyrite, pyrrhotite, and chalcopyrite.

Garnet-pyroxene skarn lies between epidote endoskarn and hedenbergite skarn or marble. The unit has variable amounts of garnet and diopside and includes both garnet skarn and diopside skarn end-members. In thin-section, it is apparent that most of these rocks were at one time a garnet-pyroxene skarn. Garnet skarns contain fine to coarsely crystalline amber colored grossularite which is typically welded by dense, light-brown cherty quartz (the replacement product of diopside). Other less altered diopside or salite skarn contains a small percentage of actinolite or hydromica that replaces pyroxene. Fine to coarse-grained garnet crystals typically fill interstitial spaces in pyroxene skarns.

High-sulphide skarns (5%-50% sulphides) and massive sulphides (50%-100% sulphides) are an important gold ore type that was mined in the American Pit and below the 800 level (400 feet be- low the surface) in the Broadway Mine. Although hedenbergite skarn, epidote endoskarn, and intrusive rocks contain disseminated sulphides, most zones of semi-massive to massive sulphides are hosted by garnet-pyroxene skarns. Sulphides can be very fine-grained to coarse-grained. In the high-sulphide skarns, sulphides often exhibit a crude foliation. Sulphide minerals include pyrite, pyrrhotite, chalcopyrite and minor amounts of sphalerite, bornite, covellite, and possibly marcasite.

A zone of black to dark green coarsely-crystalline hedenbergite exoskarn in the Black Pit area occurs between zones of garnet-pyroxene skarn and marble or marble breccia. Long, prismatic crystals of hedenbergite, frequently up to 2 inches long, dominate this lithology. Near the garnet-pyroxene skarn boundary, strongly zoned amber-colored garnet crystals make-up over 30% of the rock. Garnet occurs with calcite, quartz, and sulphides in veins and pods. Minor amounts of hedenbergite have been replaced by actinolite.

A jasper or jasperoid body extends nearly 3,000 feet along the intrusive contact as shown in Figure 7.2. This jasper was a primary target of previous mining activity. The jasper, hosted by either garnet pyroxenes or hedenbergite exoskarn, consists of iron-rich amorphous silica. Ore grade jasper typically contains native gold and/or copper carbonates. Several episodes of brecciation and quartz, chert or calcite veining have affected the jasper zone. Although silicification of the skarn host rocks was intense, garnet is often unaffected, and in thin-section can be seen to comprise up to 20% of the rock. Other minerals include microgranular quartz, goethite, calcite and garnet.

A zone of marble breccia and polylithic breccia occurs along the contact between marble and hedenbergite in the Black Pit area. The marble breccia is composed of large blocks of sheared, completely recrystallized limestone, whereas the polylithic breccia has a matrix composed of fine to coarse grained marble. The polylithic breccia, which crosscuts the marble breccia and grades into it, contains a large



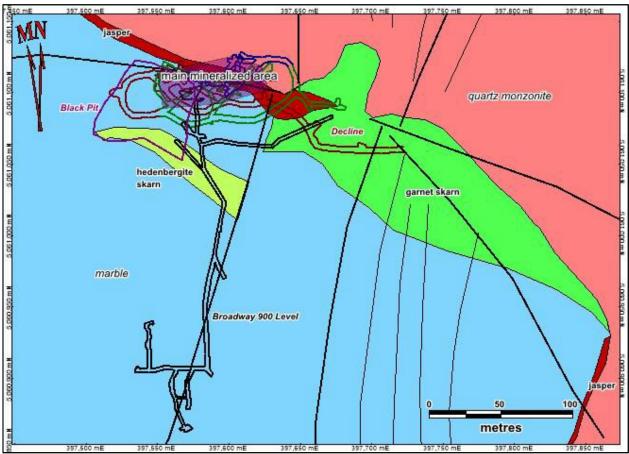
percentage of hedenbergite clasts, along with clasts of other skarn and intrusive rock types. Polylithic breccia and hedenbergite exoskarn, which contain native gold, were mined in the Black Pit.

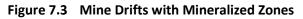
Faulting is prevalent throughout the property and also in the main mining area. Mineralization seems intimately associated with the two northeast trending faults/fracture zones, particularly in the area of the east-west trending cross fault.

# 7.4 ALTERATION AND MINERALIZATION

The mineralization at the Madison and Broadway Mines is located where the contact between the sedimentary and igneous rocks are nearly vertical, striking northwest.

The Madison Mine gold-copper skarn developed along the contact between the Radar Creek quartz monzonite and the Madison Group limestone with contact metamorphism traced for more than 9,000 feet along the irregular contact. The underground development focused on the center of an area 200 feet wide by 500 feet long along this contact zone, dictated by drilling results. The three levels of development have defined a zone approximately 98 feet wide by 230 feet long as shown on Figure 7.3.





Gold rich zones, copper rich zones and gold-copper zones were encountered in the workings. The gold rich zones were confined to the upper levels, largely as oxide ore. Gold mineralization was confined to



<sup>\*</sup>UTM NAD 83 Zone 12

jasper rich horizons. Gold occurs as free gold and microscopic grains, resulting from oxidation of the hedenbergite skarn protore. A vertical, tabular body of hematitic jasperoid resulted. The jasperoid is cut by a stockwork of anastomosing veins of calcite and occasionally carries native copper as shown in Figure 7.4.

The copper rich zones were found on the upper levels in the zone of oxidation, marginal to the jasper. These zones consisted of massive chalcocite as shown in Figure 7.5, as well as local native copper. The abundant carbonate in the host rocks quickly oxidized the chalcocite to azurite and other copper carbonates as shown in Figure 7.6 and 7.7. The chalcocite carried very little gold.



Figure 7.4 Native Copper in Drill Hole C05-02

Figure 7.5 Massive Chalcocite in Drill Hole C05-06







Figure 7.6 Massive Chalcocite and Azurite (200 Level)

Figure 7.7 Azurite (300 Level Decline)



Childs, et. al (2017) observed granitic rocks are weakly to non-altered, suggesting that if skarn development is related to a porphyry system, the porphyry is likely at a significant depth, is centered farther south, or has been displaced from the skarn by post-mineral faulting. However, widespread argillic alteration has been observed in historical drill core in the immediate Broadway Mine area. Drilling in the 1980s encountered mineralized and altered plutonic rock (e.g. drill hole 83-23 ended in altered quartz monzonite grading 0.40% Cu).

Pebble dikes, limestone breccias, marble breccias and polylithic breccias containing clasts of marble and minor skarn, gossan, jasperoid and occasional visible gold have been identified in drilling and mapping in the immediate mine area. The possibility of the presence of mineralized breccia pipes should be kept in mind as exploration continues because these features are important ore controls at other porphyry and skarn systems including the Golden Sunlight Mine fifteen miles to the north, the Elkhorn deposit near Boulder, Montana, and the New World deposit near Cooke City, Montana



### 8 DEPOSIT TYPES

The Madison Project is being explored for gold skarns and porphyry copper gold deposits. The following description of gold skarns is condensed from British Columbia Ore Deposit Models (Ray, 1998). The following description of porphyry copper gold deposits is summarized from the British Columbia Ore Deposit Models (Panteleyev, 1995). Many aspects of these models are evident at the Madison Project.

Gold-dominant mineralization genetically associated with a skarn gangue typically consists of Ca-Fe-Mg silicates, such as clinopyroxene, garnet and epidote. Gold is often intimately associated with Bi or Au tellurides, and commonly occurs as minute blebs (<40 microns) that lie within or on sulphide grains. The vast majority of Au skarns are hosted by calcareous rocks. The gold skarns can be separated into either pyroxene-rich, garnet-rich or epidote-rich types based on gangue mineralogy with the contrasting mineral assemblages reflecting the differences in the host rock lithologies as well as the oxidation and sulfidation conditions in which the skarns developed.

Most Au skarns form in orogenic belts at convergent plate margins. They tend to be associated with syn to late island arc intrusions emplaced into calcareous sequences in arc or back-arc environments. The age of mineralization is Phanerozoic, primarily Cenozoic and Mesozoic. Gold skarns are hosted by sedimentary carbonates, calcareous clastics, volcaniclastics or (rarely) volcanic flows. They are commonly related to high to intermediate level stocks, sills and dikes of gabbro, diorite, and quartz diorite or granodiorite composition. Economic mineralization is rarely developed in the endoskarn.

Gold skarns vary from irregular lenses and veins to tabular or stratiform orebodies with lengths ranging up to many hundreds of feet. Rarely, they can form vertical pipe-like bodies along permeable structures. The ore exhibits strong stratigraphic and structural controls. Orebodies form along sill-dike intersections, sill-fault contacts, bedding-fault intersections, fold axes and permeable faults or tension zones. In the pyroxene-rich and epidote-rich types, ore commonly develops in the more distal portions of the alteration envelopes. In some districts, specific suites of reduced, Fe-rich intrusions are spatially related to Au skarn mineralization. Ore bodies in the garnet-rich Au skarns tend to lie more proximal to the intrusions. Igneous textures are found in the endoskarn, while coarse to fine grained, massive granoblastic to layered textures are found in the exoskarn. Hornfelsic textures can be locally noted. Fractures, sill-dike margins and fold hinges can be an important location for mineralization.

Gold is commonly present as micron sized inclusions in sulphides, or at sulphide grain boundaries. To the naked eye, ore is generally indistinguishable from waste rock. Due to the poor correlation between Au and Cu in some Au skarns, the economic potential of a prospect can be overlooked if Cu-sulphide-rich outcrops are preferentially sampled and other sulphide-bearing or sulphide-lean assemblages are ignored. The ore in pyroxene-rich and garnet-rich skarns tends to have low Cu:Au (<2000:1), Zn:Au (<100:1) and Ag/Au (<1:1) ratios, and the gold is commonly associated with Bi minerals (particularly Bi tellurides).

Pyroxene-rich Au skarn ore mineralogy consists of: native gold  $\pm$  pyrrhotite  $\pm$  arsenopyrite  $\pm$  chalcopyrite  $\pm$  tellurides (e.g. hedleyite, tetradymite, altaite and hessite)  $\pm$  bismuthinite  $\pm$  cobaltite  $\pm$  native bismuth  $\pm$  pyrite  $\pm$  sphalerite  $\pm$  maldonite. They generally have a high sulphide content and high pyrrhotite:pyrite ratios. Mineral and metal zoning is common in the skarn envelope.



Garnet-rich Au skarn ore mineralogy consists of: Native gold  $\pm$  chalcopyrite  $\pm$  pyrite  $\pm$  arsenopyrite  $\pm$  sphalerite  $\pm$  magnetite  $\pm$  hematite  $\pm$  pyrrhotite  $\pm$  galena  $\pm$  tellurides  $\pm$  bismuthinite. They generally have a low to moderate sulphide content and low pyrrhotite:pyrite ratios.

Epidote-rich Au skarn ore mineralogy consists of: Native gold  $\pm$  chalcopyrite  $\pm$  pyrite  $\pm$  arsenopyrite  $\pm$  hematite  $\pm$  magnetite  $\pm$  pyrrhotite  $\pm$  galena  $\pm$  sphalerite  $\pm$  tellurides. They generally have a moderate to high sulphide content with low pyrrhotite:pyrite ratios.

Pyroxene-rich Au skarns have extensive exoskarns, generally with high pyroxene:garnet ratios. Prograde minerals include diopsidic to hedenbergitic clinopyroxene (Hd 20-100), K-feldspar, Fe-rich biotite, low Mn grandite garnet (Ad 10-100), wollastonite and vesuvianite. Other less common minerals include rutile, axinite and sphene. Late or retrograde minerals include epidote, chlorite, clinozoisite, vesuvianite, scapolite, tremolite-actinolite, sericite and prehnite.

Garnet-rich Au skarns also have extensive exoskarn, generally with low pyroxene:garnet ratios. Prograde minerals include low Mn grandite garnet (Ad 10-100), K-feldspar, wollastonite, diopsidic clinopyroxene (Hd 0-60), epidote, vesuvianite, sphene and apatite. Late or retrograde minerals include epidote, chlorite, clinozoisite, vesuvianite, tremolite-actinolite, sericite, dolomite, siderite and prehnite.

Epidote-rich Au skarns exhibit abundant epidote and lesser chlorite, tremolite-actinolite, quartz, K-feldspar, garnet, vesuvianite, biotite, clinopyroxene and late carbonate.

Gold skarns have Moderate endoskarn development with K-feldspar, biotite, Mg-pyroxene (Hd 5-30) and garnet. Many Au skarns are related to plutons formed during oceanic plate subduction. There is a worldwide spatial, temporal and genetic association between porphyry Cu provinces and calcic Au skarns. Pyroxene-rich Au skarns tend to be hosted by siltstone-dominant packages and form in hydrothermal systems that are sulfur-rich and relatively reduced. Garnet-rich Au skarns tend to be hosted by carbonate dominant packages and develop in more oxidizing and/or more sulfur-poor hydrothermal systems.

Stream sediment, soil and rock sampling can identify geochemical zoning patterns, looking at Au, As, Bi, Te, Co, Cu, Zn or Ni. The intrusions related to Au skarns may be relatively enriched in the compatible elements Cr, Sc and V, and depleted in lithophile incompatible elements (Rb, Zr, Ce, Nb and La), compared to intrusions associated with most other skarn types. Airborne magnetic or gravity surveys can be used to locate plutons, with induced polarization and ground magnetic follow-up surveys directed at outlining some deposits. In temperate and wet tropical climates, skarns often form topographic features with positive relief.

Any carbonates, calcareous tuffs or calcareous volcanic flows intruded by arc-related plutons have a potential for hosting Au skarns. Favorable features in a skarn envelope include the presence of: (a) proximal Cu-bearing garnet skarn and extensive zones of distal pyroxene skarn which may carry micron Au, (b) hedenbergitic pyroxene (although diopsidic pyroxene may predominate overall), (c) sporadic As-Bi-Te geochemical anomalies, and, (d) undifferentiated, Fe-rich intrusions with low Fe<sub>2</sub>O<sub>3</sub>/FeO ratios. Any permeable calcareous volcanics intruded by high-level porphyry systems (particularly alkalic plutons) have a potential for hosting epidote rich skarns with micron Au. During exploration, skarns of all types should be routinely sampled and assayed for Au, even if they are lean in sulphides.



Porphyry Cu+Au deposits consist of stockworks of quartz veinlets, quartz veins, closely spaced fractures and breccias containing pyrite and chalcopyrite with lesser molybdenite, bornite and magnetite occurring in large zones of economically bulk-mineable mineralization in or adjoining porphyritic intrusions and related breccia bodies. Disseminated sulphide minerals are present, generally in subordinate amounts. The mineralization is spatially, temporally and genetically associated with hydrothermal alteration of the hostrock intrusions and wallrocks. In British Columbia, porphyry deposits are either Triassic-Jurassic or Cretaceous-Tertiary in age.

Porphry Cu-Au deposits are typically hosted in orogenic belts at convergent plate boundaries, commonly linked to subduction-related magmatism or in association with the emplacement of high-level stocks during extensional tectonism related to strike-slip faulting and back-arc spreading following continent margin accretion. They are associated with highlevel (epizonal) stocks within volcano-plutonic arcs. Virtually any type of country rock can be mineralized, but commonly the high-level stocks and related dikes intrude their coeval and cogenetic volcanic pile. These intrusions range from coarse-grained phaneritic to porphyritic stocks, batholiths and dike swarms. Compositions range from calcalkaline quartz diorite to granodiorite and quartz monzonite. Commonly there is multiple emplacement of successive intrusive phases and a wide variety of breccias.

Porphyry Cu-Au deposits consist of large zones of hydrothermally altered rock containing quartz veins and stockworks, sulphide-bearing veinlets; fractures and lesser disseminations in areas up to 10 km2 in size, commonly coincident wholly or in part with hydrothermal or intrusion breccias and dike swarms. Deposit boundaries are determined by economic factors that outline ore zones within larger areas of low-grade, concentrically zoned mineralization. Ore grade mineralization is often controlled by igneous contacts. Breccias, mainly early formed intrusive and hydrothermal types also commonly host ore-grade mineralization. Zones of intensely developed fracturing give rise to ore-grade vein stockworks, notably where there are coincident or intersecting multiple mineralized fracture sets.

Alteration mineralogy consists of quartz, sericite, biotite, K-feldspar, albite, anhydrite /gypsum, magnetite, actinolite, chlorite, epidote, calcite, clay minerals, tourmaline. Early formed alteration can be overprinted by younger assemblages. Central and early formed potassic zones (K-feldspar and biotite) commonly coincide with ore. This alteration can be flanked in volcanic hostrocks by biotite-rich rocks that grade outward into propylitic rocks. The biotite is a fine-grained, 'shreddy' looking secondary mineral that is commonly referred to as an early developed biotite (EDB) or a 'biotite hornfels'. These older alteration assemblages in cupriferous zones can be partially to completely overprinted by later biotite and K-feldspar and then phyllic (quartz-sericite-pyrite) alteration, less commonly argillic, and rarely, in the uppermost parts of some ore deposits, advanced argillic alteration (kaolinite-pyrophyllite).

Ore deposits are associated with multiple intrusions in subvolcanic settings of small stocks, sills, dikes and diverse types of intrusive breccias. Reconstruction of volcanic landforms, structures, vent-proximal extrusive deposits and subvolcanic intrusive centres is possible in many cases, or can be inferred. Mineralization at depths of 1 km, or less, is mainly associated with breccia development or as lithologically controlled preferential replacement in hostrocks with high primary permeability. Propylitic alteration is widespread and generally flanks early, centrally located potassic alteration; the latter is commonly well mineralized. Younger mineralized phyllic alteration commonly overprints the early mineralization. Barren advanced argillic alteration is rarely present as a late, high-level hydrothermal carapace.

Pyrite is the predominant sulphide mineral; in some deposits the Fe oxide minerals magnetite, and rarely hematite, are abundant. Ore minerals are chalcopyrite; molybdenite, lesser bornite and rare (primary) chalcocite. Subordinate minerals are tetrahedrite/tennantite, enargite and minor gold, electrum and arsenopyrite. In many deposits late veins commonly contain galena and sphalerite in a gangue of quartz, calcite and barite. Gangue minerals in mineralized veins are mainly quartz with lesser biotite, sericite, K-



feldspar, magnetite, chlorite, calcite, epidote, anhydrite and tourmaline. Many of these minerals are also pervasive alteration products of primary igneous mineral grains.

Geochemically, calcalkalic systems can be zoned with a Cu+Au ore zone having a 'barren', low-grade pyritic core and surrounded by a pyritic halo with peripheral base and precious metal-bearing veins. Central zones with Cu commonly have coincident Mo, Au and Ag with possibly Bi, W, B and Sr. Peripheral enrichment in Pb, Zn, Mn, V, Sb, As, Se, Te, Co, Ba, Rb and possibly Hg is documented. Overall the deposits are large-scale repositories of sulphur, mainly in the form of metal sulphides, chiefly pyrite. Geophysically, ore zones, particularly those with higher Au content, can be associated with magnetite-rich rocks and are indicated by magnetic surveys. Alternatively the more intensely hydrothermally altered rocks, particularly those with quartz-pyrite-sericite (phyllic) alteration produce magnetic and resistivity lows. Pyritic haloes surrounding cupriferous rocks respond well to induced polarization (I.P.) surveys but in sulphide-poor systems the ore itself provides the only significant IP response.

## 9 EXPLORATION

Historic mining at the Madison project has been well documented. The Broadway Mine operated from the 1880s to the 1950s and produced an estimated 144,000 ounces of gold (450,000 tons averaging 0.32 oz/t gold) from 6,000 feet of underground workings to a vertical depth of 750 feet. Broadway's initial exploration goals for the Madison project included detailed mapping, surface and underground core drilling, induced polarization surveys, magnetic geophysical surveys, grab samples from underground workings and stopes, grab samples from the surface pits, trenches, shafts and adits. Based upon the results of these initial programs Broadway shifted its focus to identify the source of the mineralization at the Project. The main hypothesis is that the skarn mineralization assemblages at the Project seem to be related to a deeper porphyry mineralization. This is due to more detailed mapping at the project, modern geophysical surveys and identification of argillic alteration locally.

## 9.1 SAMPLING PROGRAM

During 2016, 60 surface samples were collected throughout the property from historic dumps. Highlights included: 17 of the 60 samples returned copper values in excess of 1,000 ppm with highlights of 24,100; 14,800; 12,400 and 10,800 ppm (equivalent to 2.41%, 1.48%, 1.24% and 1.08%); 28 of the 60 samples returned gold values in excess of 0.1 ppm with highlights of 16.15, 13.75, 11.1 and 9.91 ppm (equivalent to 16.15 g/t, 13.75 g/t, 11.1 g/t and 9.91 g/t). Detailed rock descriptions were recorded for each sample and locations were marked by GPS. These results helped guide the surface drilling locations.

A second rock and soil sampling campaign was carried out in 2017. Final results have not been tallied at this time, but 24 samples returned Cu grades in excess of 1,000 ppm including 6090 ppm. There were 100 samples in excess of 0.1 ppm Au including 0.983 ppm. Figures 9.1 and 9.2 are box plots of gold and copper results from this program.

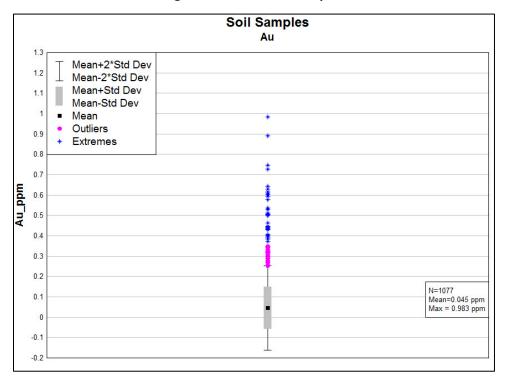
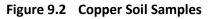
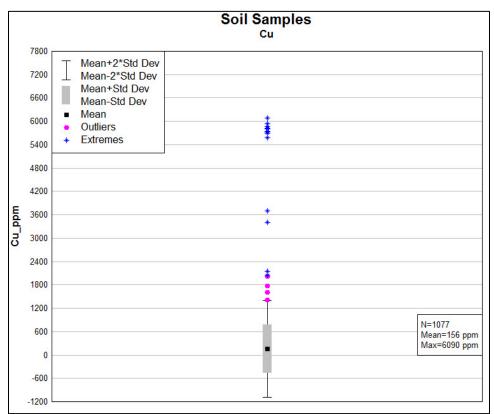


Figure 9.1 Gold Soil Samples



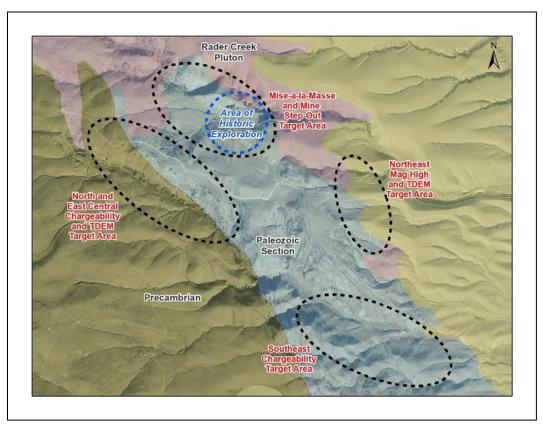




### 9.2 INDUCED POLARIZATION SURVEYS

Previous work done at the Madison project suggests there is potential for a deeper porphyry system. Historic drilling, however, has focused solely on the shallow gold found in the oxidized skarn and did not explore deeper to test the potential porphyry. Of the 116 historic drill holes, only six reached a vertical depth in excess of 492 feet. The presence of altered and a mineralized intrusives in some of these historic drill holes has led to this speculation.

A property-wide deep induced polarization (IP) survey was conducted for the Project by Peter E Walcott & Associates Limited (Walcott 2017). Figure 9.3 shows the areas of interest for the different surveys to be performed. The IP survey searched for the suspected deeper copper-gold porphyry system believed to be a feeder for the shallower gold-copper skarn mineralization on the Project.



## Figure 9.3 Madison Copper-Gold Project with Survey Targets

### (Walcott 2017)

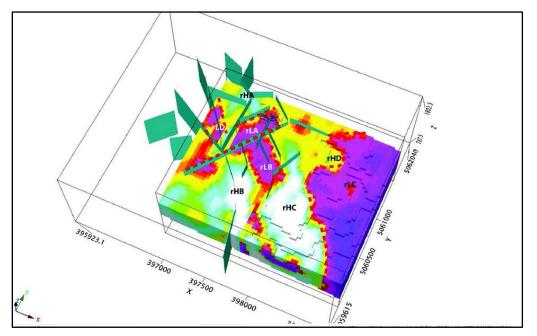
The IP survey was carried out with five east-west traverses spaced 1,312 feet apart, with a fill-in traverse between the 3rd and 4th southernmost lines. From the results of the IP survey it was deemed additional information was needed to assist with the interpretation. More surveying was carried out on another three fill-in lines which coverer the property with lines 656 feet apart. A total of 10 IP traverses were conducted.

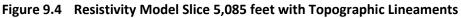
The surveys identified four resistivity lows, four resistivity highs, seven chargeability highs and two magnetic highs. Some of these are proximal to the known mineralized zones, while others are deep seated



and could reflect or be associated with a porphyry style mineralization at depth. The IP probed the area to a depth of 1,640 feet.

The modelled response to the DC resistivity highlights several features of potential interest. Figure 9.4 illustrates the resistivity results. Anomaly rLA is a northeasterly trending resistivity low, encompassing the historic Madison mine within its northeastern extent. This feature is bound by two readily discernible northeasterly trending topographic lineaments. Contained within this zone of low resistivity, lies the large negative chargeability response observed within the raw dataset.

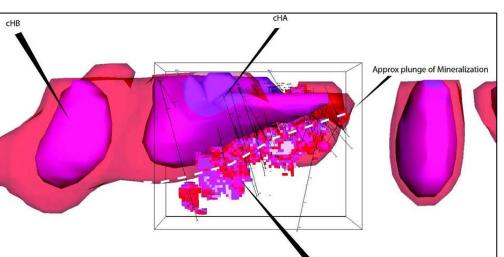




(Walcott 2017)

The chargeability results identified anomaly cHA which is situated on the northeasterly end of the resistivity anomaly rLA. This zone of elevated chargeability thickens in the same direction as it trends and appears to correlate well with the known geometry of Cu mineralization. There is also a potential for this anomaly to be the construct of two features. Anomaly cHA is also partially contained within a zone of reduced magnetic susceptibility. Anomaly cHB is a small chargeability anomaly to the northwest of the Madison mine. It is contained wholly with the elevated resistivity zone rHA. Figure 9.5 is an oblique view of these two chargeability zones projected with known Cu mineralization.





0.5 Percent Cu Voxel



#### (Walcott 2017)

Combining the data from the resistivity and chargeability is way of displaying the different anomalies that may correlate with each other and identify potential exploration targets of interests. Figure 9.6 combines these anomalies for a visual assessment. The 3d structures colored purple represent the chargeability anomalies in relation to a section view of the resistivity anomalies. Anomaly cHC is a steep northwesterly trending chargeability on the western property boundary. It flanks a zone of elevated resistivity to the east, and is constrained within a zone of low resistivity (rLD) of similar intensity to anomaly rLA. The feature also appears to be a northwesterly trending lineament. There is a potential that wrapping may be occurring between anomalies, cHB and cHC.

Anomaly cHD, is situated on the northern extent of resistivity anomaly rHB and is decreasing resistivity intensity with depth. A weak magnetic response is associated with this feature. The anomaly appears to be confined within several structural features and may be of potential interest.

Anomaly cHE is a deep chargeability anomaly immediately to the east of anomaly cHD. This northeasterly trending feature is mostly confined to the central corridor of resistivity anomaly rLB.

Anomaly cHF is a small chargeability situated on the intercepts of the features rLA and rLB. These features are within the weak northwesterly trending anomalies containing cHA and cHB. The anomaly is contained within an embayment of reduce magnetic susceptibility, similar to that of the main zone.



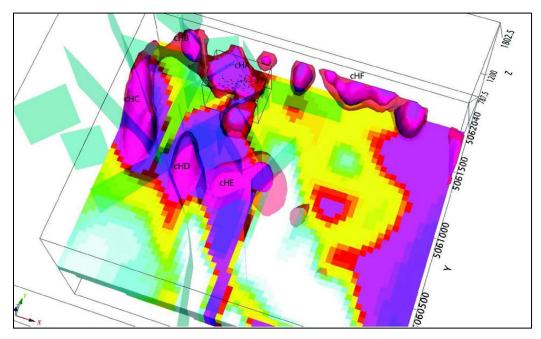


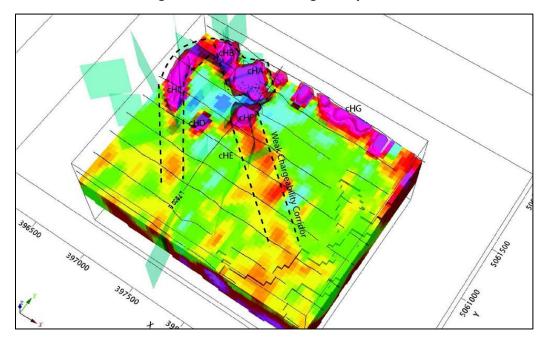
Figure 9.6 Chargeability Features > 12 mV/V with Resistivity Slice at 1350M

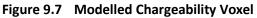
## (Walcott 2017)

Figure 9.7 is a chargeability voxel model which is used to portray different corridor trends seen within the survey data. Anomaly cHG is situated on the northern boundary of the survey. In the southeastern corner of the survey area, a large broad zone of moderate chargeability appears at depth on the southern third of resistivity anomaly rHC. The zone is coincident with a concentric feature observed within residual total magnetic field intensity mHA.

A zone of high chargeability, consisting of chargeability anomalies cHA, cHB and cHC, in the northwest section of the property is of particular interest. This area hosts the Broadway Mine, the Madison Mine and the current drilling area to the northwest of the Madison Mine decline. The chargeability zone appears to coincide with the known contact of the Radar Creek intrusive and the response may be an indication of skarn-type mineralization. There appears to be a second zone of high chargeability further to the west, which is also believed to relate to the Radar Creek contact, where the contact has swung back around forming a horseshoe-like shape. Only minimal historic drilling has taken place in this second zone, making it a high-priority target. The multiple, deep-seated chargeability and resistivity anomalies could reflect or be associated with porphyry-style mineralization at depth.





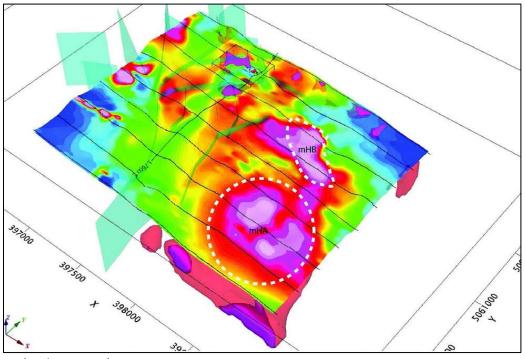


(Walcott 2017)

## 9.3 MAGNETIC SURVEY

The magnetic survey was carried out along north south traverses spaced 328 feet apart using a GEM SYS walking system. Figure 9.8 shows that the anomaly mHB is a relatively high intensity magnetic anomaly with a general northwesterly trend. The feature is associated with a moderate resistivity zone rHD, however with only limited chargeability response.







(Walcott 2017)

### 9.4 MISE-A-LA-MASSE

A Mise-a-la-Masse electrical geophysical survey was conducted to trace the location, shape and extent of the massive sulphide zone intersected in the surface and underground drilling. Surface hole C17-20 identified a sulphide zone as well as UG17-06, which was then utilized to access the open hole to conduct the survey. Figure 9.9 shows the results of the survey with underground drilling and surface hole C17-20. The survey confirmed an ovoid cylindrical shaped of the sulphide body and its western plunge to depth. Additional Mise-a-la-Masse surveying is planned as additional holes are drilled into the massive sulphide.

MMC

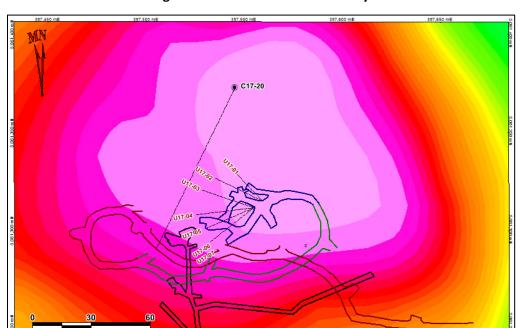


Figure 9.9 Mise-a-la-Masse Survey

## (Walcott 2017)

metres

Overall this surveying program succeeded in advancing existing drill targets and generating new targets across the project's area. The IP survey identified chargeability and resistivity anomalies that could be associated with porphyry-style mineralization at depth. The results strongly suggests that a second anomalous zone with similar geophysical characteristics lies to the northwest of the anomalous zone hosting the auriferous and cupriferous jasperoid. In addition, several shallower features were observed, including the zone currently being explored by the 2017 surface drilling program.

### 9.5 EXPLORATION DRILLING

The exploration drilling performed by Broadway Gold at the Madison project, has already drilled 19 surface (3,984 m) and 7 underground (338 m) drill holes. Figures 9.10 and 9.11 show underground and surface drilling plans completed for the Project's 2017 exploration program. The drilling has resulted in the discovery of a larger jasperoid zone with abundant native copper and gold. Results included 1.725% Cu and 0.097 g/t Au over 49.4 meters in hole C17-16, including 2.571% Cu and 0.151 g/t Au over 30.2 meters. Hole C17-17 returned 1.020% Cu and 0.159 g/t Au over 31.1 meters and hole C17-20 drilled into a massive-sulphide zone that remains open at depth, returned 1.247% Cu and 1.843 g/t Au over 23.8 meters.

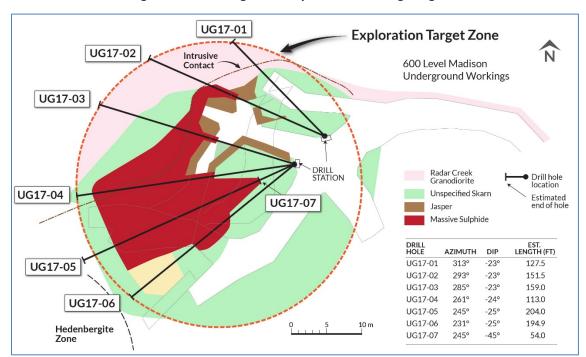
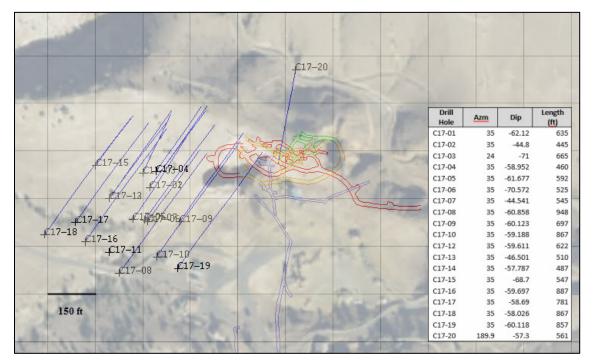




Figure 9.11 Surface Drilling Program



Surface drilling indicated that the jasperoid body remains well mineralized. The zone has now been traced a total of 279 feet to the northwest of the current underground decline, verifying one of a series of chargeability highs located during the initial IP survey. These multiple chargeability highs form a semi-



continuous, horseshoe-shaped zone (Figures 9.5 and 9.6), mirroring the intrusive/carbonate contact over a strike length in excess of 2,625 feet.

Drill hole C17-02 cut through the projected jasperoid interval above the 400 foot level and did not intersect any jasperoid. This suggest that the copper zone potentially begins at approximately 300-400 feet vertically below the surface and plunges to the northwest.

Results from drill hole C17-10 have confirmed that a high-grade sulphide mineralization exists in the area adjacent to the underground infrastructure, as well as indications of a potential second nearby massive sulphide zone.

Another high-grade massive sulphide target was confirmed by both underground (UG17-06) and surface drilling (C17-20) and remains open to depth. The massive sulphide and garnet epidote zone continues to display consistent gold concentrations over 7.5 to 98 feet widths.

A third deposit type at Madison, contains lower grade gold over longer widths within an epidote-diopsidegarnet skarn zone, and was discovered in C17-09 west of the high-grade gold massive sulphides. The copper interval also included a 6.2 feet section of jasperoid containing 1% to 2% native copper.

A third drilling phase in currently underway. Targets were identified from the results of the first two phases of surface drilling, IP surveys, electromagnetic and Misa-a-la-Masse surveys. C17-24, designed to evaluate a chargeability anomaly, intercepted a quartz latite porphyry zone at 988 feet down hole. No assay results were available for this report, however, the geological evidence strongly suggests that there is a typical copper porphyry alteration system below the au-cu skarn deposit. Figure 9.12 shows the carbonate-latite contact in C17-24 core.





#### Figure 9.12 C17-24 Core: Carbonate-Latite Porphyry Contact

#### 10 DRILLING

Prior to 2016 the Madison Project had approximately 116 reverse circulation and core drill holes averaging 346 ft per hole for a total of 40,106 ft that were drilled by various different companies. Previous work performed on the Madison Project produced 5,732 assays and 145 surveys that have been provided to MMC by Broadway Gold Mining. Although no QA/QC documentation is available for these drill programs, Robb (2016) states: "For exploration prior to 2005 the author was unable to review the procedures utilized by the various companies, but believes the sampling methods and analysis were to industry standards of that time."

Starting in 2017, Broadway commenced surface drilling using AK Drilling, Inc. out of Butte, Montana. There were three phases of drilling throughout the year, which totaled 19 core holes and 12,498 ft. Broadway also contracted Groundhog Mining out of Dillon, Montana to conduct an underground drilling program that included seven drill holes with a total of 1,109 ft.

The purpose for these drilling programs was designed to verify known copper and gold mineralization identified during historic drill programs performed previous to the Broadway purchase of the property. The program also tested potential copper and gold mineralization expansion to the west of the existing underground workings and at depth.

The first and second phases of surface drilling identified observable alteration and mineralization in core holes. The third phase of surface drilling conducted in 2017 followed up on the first two phases which identified multiple priority target areas. These areas were interpreted to be associated with a copper-gold porphyry system at depth.



Broadway also commenced the first phase of an underground core drilling program consisting of seven drill holes. The purpose of these holes was to test the down dip continuation of copper and gold mineralization on the 600 Level and to follow up on newly discovered mineralization to the west of the decline.

The drilling database now contains 142 drill holes, 7,050 assays and 416 surveys. The complete database contains 54,713 feet of drilling. Table 10.1 shows significant intercepts that were encountered from the drilling programs. Intervals are core intercepts and do not represent true thickness.

UslalD	Fasting	Nauthina	Flouration		From	То	Inte	erval	Copper	Go	old								
HoleID	Easting	Northing	Elevation		(ft)	(ft)	(ft)	(m)	(%)	(g/t)	(oz/t)								
					342.5	498.5	156	45.7	1.010	0.480	0.017								
C17 01	1202022	10005105	F 2 7 0 7	including	404.5	413.5	9	2.7	7.140	0.560	0.019								
C17-01	1303822	16605185	5279.7	including	429.5	441.5	12	3.7	0.890	2.650	0.093								
				including	432.5	435.5	3	0.9	0.820	7.130	0.252								
C17-02	1303822	16605185	5279.7																
C17 02	1202001	16605221	F 202		405	573	168	51.2	0.570	0.190	0.006								
C17-03	1303801	16605231	5293	including	411	420	9	2.7	1.300	0.050	0.001								
C17-04	1303841	16605236	5312		267	291	24	7.3	0.500	1.170	0.006								
C17-04	1505641	10005230	10003230	5512		360	372	12	3.7	0.200	0.810	0.001							
		16605085	16605085	16605085			353	371	18	5.5	0.040	1.640	0.272						
					16605085	16605085	16605085			419	443	24	7.3	0.600	0.020	0.051			
C17-05	1303769							5253		479	608	129	39.3	1.470	0.420	0.035			
					including	524	572	48	14.6	2.130	0.180	0.004							
														including	566	587	21	10.1	2.830
C17-06	1303815	16605079	5256		379	418	39	11.9	0.001	0.710	0.086								
C17-07	17-07 1303806		5271		319	356	37	11.3	0.040	1.740	0.051								
C17-07	1303800	16605082	5271	including	337	356	19	5.8	0.060	2.940	0.086								
C17-08	1303726	16604915	5282		810	819	9	2.7	101	1.152	0.034								
					246.5	357.5	111	33.8	0.001	0.76	0.022								
C17-09	1303917	16605079	5267		480.5	492.5	12	3.7	1.882	4.249	0.124								
C17-09	1202211	10005079	5207		492.5	528.5	36	11	0.124	0.375	0.011								
				including	516.5	528.5	12	3.7	0.331	0.389	0.011								
C17-10	1303844	16604967	5279		452	482	30	9.1	3.122	4.288	0.125								
C17-12	1303695	16605151	5285		540	570	30	9.1	1.391	0.361	0.011								
C17-12	1202032	10005151	5265	including	540	555	15	4.6	2.41	0.68	0.02								
					387	453	66	20.1	1.466	0.253	0.007								
C17-13	1303695	16605151	5285	including	405	420	15	4.6	6.048	0.357	0.01								
				including	408	414	6	1.8	11.45	0.02	0.001								
C17-14	1303711	16605235	5301		410	431	21	6.4	0.14	2.467	0.072								
C17-14	1303/11	10003733	2201	including	413	419	6	1.8	0.154	8.255	0.241								

 Table 10.1
 Madison 2017 Drilling Significant Intercepts



					From	То	Inte	erval	Copper	Go	old	
HoleID	Easting	Northing	Elevation		(ft)	(ft)	(ft)	(m)	(%)	(g/t)	(oz/t)	
017.15	1000050	40005055	5200		438	447	9	2.7	0.002	1.578	0.046	
C17-15	1303652	16605255	5309	and	462	486	24	7.3	0.23	0.812	0.024	
					58	743	162	49.4	1.725	0.097	0.003	
C17-16	1303618	16605014	5287	including	641	740	99	30.2	2.571	0.151	0.004	
				and	767	776	9	2.7	0.392	0.398	0.012	
C17-17	1303589	16605075	5299		536	584	48	14.6	0.228	0.015	0	
017-17	1303389	10005075	5255	and	614	716	102	31.1	1.02	0.159	0.005	
C17-18	1303491	16605036	5302									
					350	359	9	2.7	0.007	3.263	0.095	
				and	395	407	12	3.7	0.004	1.977	0.058	
C17-19	1303911	16604931	5318	and	629	632	3	0.9	0	4.07	0.119	
017 15	1505511	10004551	5510	and	728	761	33	10.1	0.115	2.99	0.087	
				including	728	731	3	0.9	1.16	26.8	0.782	
					including	758	761	3	0.9	0.03	5.57	0.162
					270	372	102	31.1	0.206	0.146	0.004	
C17-20	1304282	16605554	5167	and	387	399	12	3.7	0.336	0.096	0.003	
017 20	1304202	10003334	5107	and	429	507	78	23.8	1.247	1.843	0.054	
				including	480	492	12	3.7	2.156	3.214	0.094	
UG17-02	1304321	16605364	4893		45	57	12	3.7	1.428	0.609	0.018	
					27	141	114	34.7	0.163	0.7	0.02	
UG17-03	1304318	16605351	4891	including	27	36	9	2.7	0.748	4.108	0.12	
0017-05	1304316	10003331	4091	including	57	75	18	5.5	1.625	1.702	0.05	
				including	108	123	15	4.6	0.353	0.289	0.008	
					30	113	83	25.3	1.098	1.651	0.048	
UG17-04	1304318	16605351	4891	including	63	87	24	7.3	2.717	2.466	0.072	
				including	105	113	8	2.4	0.049	4.786	0.14	
					27	126	99	30.2	0.391	24.50 0	0.710	
				including	30	39	9	2.7	0.366	82.87 0	2.420	
UG17-05	1304318	16605351	4891	including	33	36	3	0.9	0.450	145.0 00	4.110	
			ſ	including	75	90	15	4.6	0.276	68.61 0	2.000	
				including	75	78	3	0.9	0.274	178.5 00	6.120	
					27	63	36	11	0.384	41.65	1.21	
UG17-06	1304318	16605351	4892	including	30	45	15	4.6	0.271	51.84	1.51	
				including	57	60	3	0.9	0.368	90.1	2.63	

### **10.1 DRILLING STATISTICS**

The drilling database provided to MMC from Broadway is composed of 142 drill holes. A total of 9,882 Au, 8,831 Cu, and 5,803 Ag assays were included with these drill holes. Table 10.2 presents the assay statistics for the Madison Project.

Metal	Number	Mean Au (g/t)	Stand. Dev.	Min Assay	Max Assay	Coef. of Variation
Au	9,882	1.583	14.605	0.001	480	9.227
Cu	8,831	2048.4	15125	0.206	653,600	7.384
Ag	5,803	6.952	27.092	0.003	651	3.897

 Table 10.2
 Assay Statistics for the Madison Project



### 11 SAMPLE PREPARATION, ANALYSES, AND SECURITY

For exploration prior to 2005 the author was unable to review the procedures utilized by the various companies, but believes the sampling methods and analysis were to industry standards of that time. For drilling samples conducted post 2005, the described procedures are as follows: "All drill core samples were logged, split with a diamond saw, and photographed on site. Reverse circulation chip samples were split at the drill rig. Select intervals were bagged and driven to the Norris lab facilities in Norris, Montana for assaying, while retaining half the core and reverse circulation chip samples duplicates on site in locked storage sheds. For QC/QA purposes the sample rejects and pulps were brought back to the mine site and random pulps were sent to ALS-Chemex in Vancouver B.C. Canada for assaying 25% of the total samples. Standards, repeats and duplicate samples were also sent to Norris labs for quality control purposes."

In the author's opinion the sampling method employed by Broadway for its core drilling programs was suitable to obtain representative samples of the mineralization being sought and the QA/QC program as described was sufficient to ensure that the results obtained from the labs were reliable.

For the check sample taken by the author the sample was a grab sample from the wall of the Madison decline between the 200 and 500 level. The sample was placed in a 3mil plastic bag with an identification paper tag. The sample remained with author until it was hand delivered to ALS geochemistry ("ALS") in North Vancouver, British Columbia. ALS is an ISO 9001:2008 and 17025 accredited laboratory. At the lab 1kg of sample was crushed so that 70% was less than 6mm, the entire sample was then pulverized to better than 80% passing a 75 micron sieve. A 50 gram portion was fire assayed with a gravimetric finish for gold and silver, for copper a split was digested in four acids and the tested by Induced Coupled Plasma ICP -AES analysis.

The author relied on QA/QC protocols used by ALS for the check samples. The author is satisfied with the results obtained from ALS.

## 11.1 SAMPLE PREPARATION AND QUALITY CONTROL

Supervision, organization and splitting of drilling core samples were undertaken by company personnel. Samples were collected at three-foot intervals from half core samples. Samples were cataloged by Broadway geologists and stored in a secure location. Certified reference standards were placed in the sample stream of each drill hole at random intervals. Blank material was also inserted at random intervals. Samples were packed into rice bags, zip strapped and securely stored until they were turned over to the local trucking company for transport to the ALS Minerals Laboratory in North Vancouver, B.C.

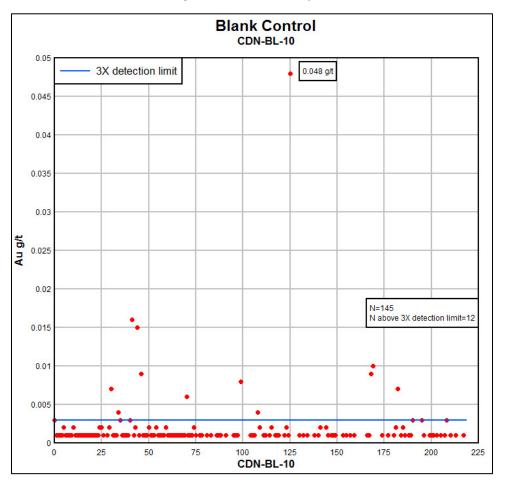
## 11.2 BLANKS

Blank material is used to monitor for carryover contamination and to ensure that there is not a high bias in the assay. Carryover is a process where a small portion of the previous sample contaminates the next sample. ALS Minerals allows a total of 1% carryover from preparation and analytical processes combined. Each blank that assays higher than three times the detection limit is evaluated to see if the value reflects carryover or some other problem. For example, if a blank assayed 0.006 ppm Au for the Au-ICP22 method and the previous sample ran 1 ppm Au then the blank is not investigated because acceptable carryover could explain up to 0.01 ppm. However, if the blank had assayed 0.015 ppm Au then that is more than



can be explained by carryover from a 1 ppm previous sample and an investigation will be initiated. The investigation includes a rerun of the blank and surrounding samples as well as any documentation that was associated with the work order at ALS Minerals. There are cases where the investigation does not resolve the reason for the higher than expected value.

A blank sample is inserted at random intervals into the sample sequence. Figure 11.1 shows the historical performances of blank samples submitted for the Madison Project Quality Control. A total of 12 (0.8%) blank samples were assayed at 3x above the detection limit for gold. Procedures for high assays of blanks were then followed.

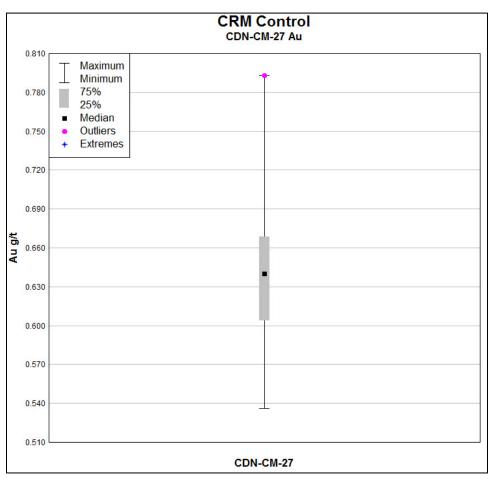




# **11.3 CERTIFIED REFERENCE MATERIALS**

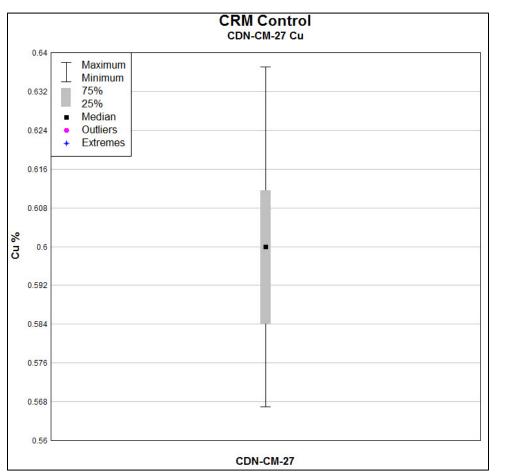
Certified Reference Materials ("CRM's") or "standards" are used to monitor the accuracy of the assay results reported by ALS Minerals. A CRM is inserted at random intervals into the sample sequence and serves to monitor both accuracy and sample sequence errors. The CRM comes with a certified concentration with a stated uncertainty. However, the precision on the assay is ultimately controlled by the 10% analytical precision reported by ALS Minerals. The CRM used in the 2017 drilling campaign was analyzed using the Au-ICP21 analytical method. Figure 11.2 and 11.3 show the assay distributions for gold and copper for CRM used by Broadway.





#### Figure 11.2 CRM CDN-CM-27 Au Performance







### **11.4 ASSAY TECHNIQUES**

Three different assay procedures were designed by ALS Minerals for the samples, based on the presence of copper sulphides or oxides, and native copper. The standard assay procedure of Au-ICP21 and CU-ICP61 was applied to most of the samples. Au-ICP21 is a 30g fire assay with an ICP-AES finish. ICP61 is a four acid digestion of a one gram sample with an ICP finish. Samples with visible copper mineralization received a CU-OG62 copper analysis, a four acid digestion of a 0.5 g sample with ICP-AES finish. OG62 has a copper range from 0.001 to 40%, while the ICP61 analysis has a copper maximum range of 10,000 ppm. Samples with visible native copper received a duplicate Cu-OG62 analysis that included a WSH-22 procedure where the pulverizers are cleaned with barren material after ever sample. Over-limit copper values from ICP61 analyses received an OG62 procedure to determine the final Cu grade.

## 11.5 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL

Quality control samples from the lab include numerous control blanks, duplicates and standards. Reference standards used include OREAS-904, OREAS-45b, OGGeo08 and PGMS25. No issues were noted with analytical accuracy or precision. Details of the laboratory's QA/QC may be found at <u>www.alsglobal.com</u>.



## **12** DATA VERIFICATION

One grab sample was identified in the 2016 technical report. Sample MD-1, Table 12.1, confirmed the existence of mineralization for the Project.

Sample	Location	Width (m)	Туре	Description	Au(g/t)	Ag ppm	Cu%
MD-1	Madison Decline	NA	GRAB	GRAB SMAPLE OF MASSIVE CHALCOITE WITH MALCHITE	3.29	64	>40

Table 12.1 2016 Madison Decline Grab Sample

Data verification for this report consisted of taking quarter cuts of core during the October 25, 2017 site visit. The samples were selected to represent average grades within different lithologies. All cut samples were kept by the author and shipped independently for assaying. In addition, an interval of the standard, CND Resources Laboratories Ltd. CDN-CM-27, as well one blank of silica sand were submitted as in order to check the assaying laboratory QA/QC. Table 12.2 compares the original assay value with the assay values receive by the author.

Table 12.2 2017 MMC Data VErification Samples

Hole Id	From (ft)	To (ft)	Lithology	Au (ppm) Original	Au (ppm) Check	Cu ppm Original	Cu ppm Check
UG17-05	54	57	Massive Sulphide Skarn	12.4		2560	
C17-05	491	494	Jasperoid	.355		5510	
C17-10	452	455	Epidote Skarn	6.25		22400	
CDN-CM-27			Certified Standard	0.636		5930	
Blank			Silica Sand				

No restrictions were placed on the author during the data verification process. The data collected and used by the Broadway is adequate for the purposes used in this technical report.

### 13 MINERAL PROCESSING AND METALLURGICAL TESTING

## 13.1 BOTTLE ROLL CYANIDE

Preliminary mineral processing and metallurgical testing carried out on drill core and reverse circulation cuttings during the late 1980's were summarized in Bourns (1992).

Preliminary bottle roll cyanide testing on 12 representative samples of the oxide deposit indicated the need for agitation leaching on several of the composites due to lower recoveries on 3/8" material (Table 13.1). The testing indicated that a 24 hour bottle roll was sufficient. Sodium cyanide consumption was low at 0.4 - 0.6 lbs/ton. Bottle roll testing on other oxide composites indicate that a 3/8" product would be suitable as recoveries in the +90% range were obtained.

	Gold Ext	traction %
Oxide Head Samples	Size 100% -3/8"	Size 60% -200 mesh
Victoria pit 10812	82.61%	97.83%
Victoria pit 10813	71.43%	88.57%
Black pit 10814	43.86%	96.43%
Black pit 10815	63.96%	98.20%
MGV-1	58.62%	97.70%
MGV-5	52.17%	95.65%
MGV-6	65.96%	98.58%
MGV-7	66.67%	92.75%

Table 13.1 Metallurgical Tests Sodium Cyanide Recoveries

The original 12 drill hole composites were combined into 3 composites designated A, B, and C. Further bottle testing at 3/8" designed to test the effects of pH, retention time and CN concentration were performed. The results obtained from this testing are shown in Table 13.2.

Two composites, composite B above and a 50/50 blend of the Victoria pit material were subjected to 30 day column leach tests. Both tests were done on -3/8 inch ore. The Victoria pit test yielded a recovery of 89. 0% with a cyanide consumption of 0.67 lbs/ton. After six days the recovery was 85% indicating very rapid kinetics. Composite B yielded 80.6% recovery after 30 days.

Conventional flotation of the sulphide component yielded recoveries that ranged from 60-70%. Concentrate grades ranged from 0.9 opt Au to 7.0 opt Au and were highly dependent upon head grade. A flowsheet that incorporated a floatation tailings cyanide leach increased recovery by 15%. Straight cyanidation leaching of the sulphide ore after pre-aerating with a chemical pretreatment yielded recoveries above 90%.

Parameters	Composite sample				
Falanteters	Α	В	С		
Leach time (hours)	72	72	72		

Table 13.2 Metallurgical Test Composites

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D	Composite sample						
Parameters	Α	В	С				
рН	10.5	10.5	10.5				
NaCN Concentration	1 g/l	5 g/l	1 g/l				
NaCN Consumption	0.4 lbs/ton	2.7 lbs/ton	1.1 lbs/ton				
Recovery	86.9%	82.5%	90.5%				

### 13.2 BOND WORK INDEX

Coronado contracted Thomas McIntyre (2007) to undertake metallurgical testing of the underground mineralization. The crushing tests found the silicates and oxides resulted in a fairly hard ore. The Bond Work 14.5 KM hours per ton. His work suggested gravity separation may be the preferred method of copper concentration based on the chalcocite sample he was supplied. Utilizing mill feeds of 14.6% to 15.8% copper he obtained recoveries of 74.5% to 89.1% on a shaking table. His floatation tests on the 14.6% copper material obtained a recovery of 33.4% at pH 9.5 utilizing Sodium Isopropyl Xanthate at 0.02 lbs/ton or a recovery of 63.45% utilizing Potassium Ethyl Xanthate at 0.02 lb/ton.

McIntyre (2007) also conducted metallurgical testing on the gold oxide ore. The Mineral Liberation Analysis found the gold to be less than 5 microns in size. His testing on a 0.412 ounces per ton sample obtained recoveries of 79.9% at 2.5 minute grind, 64.9% at 5 minute grind and 63.1% at 7.5 minute grind. A series of actual mill test runs were completed between 2010 and 2013 as detailed in Table 13.3.

#### **13.3 BULK SAMPLE TESTS**

A Bulk Sample Test was completed in 2010 at the US Grant Mine Mill in Virginia City, Montana. A three day run was completed September 13, 14 and 20. Both floatation and gravity circuits were utilized with the floatation results shown in Table 13.3. The gravity circuit gold recoveries ranged from 21.14% to 55.56%. The floatation recoveries ranged from 64.1% to 66.2% for copper and 55.6% to 61.3% for gold.

A Bulk Sample Test was completed in 2011 at the Philipsburg, Montana mill between June 8 and June 12. A total of 934 tons were processed producing 175.78 dry tons of concentrate containing 172.9 ounces of gold, 1,236 ounces of silver and 27.05 tons of copper. Floatation head grades averaged 0.227 opt Au, 2.96 opt Ag and 4.94% Cu. Recoveries were 83.8% for gold, 46% for silver and 60.3% for copper.

A Bulk Sample Test was completed in 2012 at the Philipsburg, Montana mill between March 8 and March 12. A total of 1,063.5 tons was processed producing 199.8 dry tons of concentrate containing 248.5 ounces of gold, 1,992 ounces of silver and 42.68 tons of copper. Floatation head grades averaged 0.384 opt Au, 3.31 opt Ag and 5.39% Cu. Recoveries were only 57.4% for gold, 75.4% for silver and 75.4% for copper.

A Bulk Sample Test was completed in 2013 at the Philipsburg, Montana mill between September 3 and September 23. A total of 2,360.3 tons was processed. Roughly 522 wet metric tons of concentrate was produced with 964.7 ounces of gold, 4,996 ounces of silver and 81.62 tons of copper recovered. Floatation head grades averaged 0.401 opt Au, 2.17 opt Ag and 3.13% Cu. Recoveries were 71.5% for gold, 65.2% for silver and 71.1% for copper. McIntyre (2013) reviewed the mill run and provided a summary report.



		Floatation Heads			Floatation Concentrates		Floatation Tailings			Recoveries			Recoveries			
Day	Tons	% Cu	OPT Ag	OPT Au	% Cu	OPT Ag	OPT Au	% Cu	OPT Ag	OPT Au	Cu %	Ag %	Au %	Tons Cu	OZ Ag	OZ Au
2010-Sep-13	NDA	0.704	0.72	0.176	3.791	17.12	0.572	0.271	0.61	0.084	66.2	15.8	61.3	NDA	NDA	NDA
2010-Sep-14	NDA	1.498	1.01	0.168	7.746	6.47	0.840	0.614	1.39	0.084	64.1	47.9	55.6	NDA	NDA	NDA
2010-Sep-20	NDA	NDA	0.8	0.244	NDA	4.43	0.552	NDA	1.04	0.136	NDA	NDA	NDA	NDA	NDA	NDA
2011-Jun-12	934	4.94	2.96	0.227	15.39	7.03	0.983	NDA	NDA	NDA	60.3	46.0	83.8	27.05	1236.17	172.86
2012-Mar-08	NDA	5.96	2.72	0.391	21.59	10.77	0.988	3.04	2.33	0.251	NDA	NDA	NDA	NDA	NDA	NDA
2012-Mar-09	NDA	5.53	4.87	0.336	22.80	11.12	3.628	1.94	1.37	0.186	NDA	NDA	NDA	NDA	NDA	NDA
2012-Mar-10	NDA	4.68	2.35	0.424	19.55	7.42	1.310	1.31	1.05	0.100	NDA	NDA	NDA	NDA	NDA	NDA
2013-Sep-03	54.75	4.06	2.67	0.276	13.13	4.82	1.296	1.53	1.51	0.168	70.6	63.3	45.0	2.22	146.18	15.11
2013-Sep-04	177.82	4.30	2.19	0.422	15.01	6.52	1.100	1.47	1.11	0.159	73.0	59.3	72.9	7.35	558.35	143.68
2013-Sep-05	178.60	1.82	1.19	0.239	15.63	4.94	1.370	1.32	0.61	0.133	30.2	55.8	49.1	8.15	324.16	66.08
2013-Sep-06	175.47	4.02	2.26	0.318	12.11	4.36	1.014	1.32	0.95	0.138	75.5	74.1	65.5	6.80	281.63	59.31
2013-Sep-09	177.98	3.71	2.67	0.400	12.74	5.78	1.382	1.02	0.85	0.146	78.7	80.1	71.0	6.89	344.39	44.85
2013-Sep-10	180.32	3.34	2.22	0.368	14.80	5.74	0.982	1.44	1.34	0.160	63.0	51.7	67.5	5.77	360.64	45.44
2013-Sep-11	180.68	3.55	2.43	0.554	11.80	5.59	0.962	1.18	1.52	0.188	74.3	51.4	82.1	6.13	455.31	61.25
2013-Sep-12	182.46	3.67	2.81	0.364	13.85	6.47	0.821	1.64	1.52	0.180	62.9	60.0	64.7	7.09	468.92	72.80
2013-Sep-16	176.30	2.90	2.46	0.412	13.45	4.30	0.922	1.42	1.28	0.196	57.1	68.3	66.6	4.56	370.23	68.40
2013-Sep-17	162.05	2.29	1.69	0.401	8.55	3.98	1.098	0.84	0.53	0.205	70.4	79.2	60.1	3.11	233.35	53.80
2013-Sep-18	117.55	2.70	1.97	0.475	7.67	3.62	1.450	0.60	0.63	0.114	84.4	82.4	82.5	4.25	192.78	38.32
2013-Sep-19	151.13	2.47	0.97	0.402	7.75	3.97	1.200	0.70	0.72	0.155	78.8	31.5	70.6	4.34	261.45	53.65
2013-Sep-20	158.29	2.05	1.94	0.451	6.98	3.98	1.195	0.54	0.66	0.084	79.8	79.1	87.5	3.72	291.25	73.92
2013-Sep-21	135.73	2.98	2.89	0.429	8.05	4.74	1.220	0.65	1.52	0.104	85.0	69.9	82.8	5.15	316.25	74.24
2013-Sep-23	151.13	3.33	2.45	0.460	10.80	5.83	1.013	0.92	1.18	0.155	79.1	65.0	78.3	6.10	391.43	93.85

### 13.4 SUMMARY

McIntyre (2013) noted the recoveries of pay metals were hampered by lack of control of pH in the mill circuit, resulting from highly oxidized feed material. He felt the broken feed material had sat in the stope and then on surface for too long, allowing thorough oxidation of the sulphide rich material in addition to free acid generation. Previous mill runs suggested recoveries in excess of 80% were feasible with the pH held in a narrow range between 7.0 and 7.5. The oxidized nature of the feed material caused wild swings in the pH over hourly ranges effecting recoveries.

McIntyre (2013) states the results of the September 2013 mill run were similar in some ways to most of the earlier mill runs. The results were less than expected when compared to the previous laboratory testing. He concluded this was principally due to the oxidation of the bulk sample material, a result of months of time between the actual mining of the bulk sample and the milling of the bulk sample. Acid formation resulting from the oxidation of marcasite, pyrrhotite and pyrite occurs rapidly in the bulk sample material, mainly due to the speed at which pyrrhotite generates acid which increases the reactivity of the other two iron sulphide species. The quantities of free acid produced prior to milling appear to be more than the normal mill is capable of handling. Additionally, available acid oxidizes the chalcocite copper mineral that is the predominant copper mineral at Madison. The oxidation results in poor recovery as the collectors utilized in the processing scheme are highly selective to sulphides but are truly ineffective in the recovery of copper oxide minerals. Further, the acid is at times at concentrations that result in pH's less than neutral, i.e., 7.0 which results in destruction of the collector reagents and promoters. This only adds the inability to put the pay metals into the froth and into the flotation product.

He further concluded minimal time for the ore to oxidize and create acid is the key to getting good results from this particular ore. He suggested either an on-site mill or arranging a milling contract where the broken mineralization could be processed on a daily time frame.



# **14 MINERAL RESOURCE ESTIMATES**

There are no mineral resources, as defined by the CIM, estimated for the Project.

# **23** ADJACENT PROPERTIES

There are no adjacent properties with NI 43-101 technical reports.



## 24 OTHER RELEVANT DATA AND INFORMATION

The author is not aware of any other data or information that would be relevant to the Project.



## 25 INTERPRETATION AND CONCLUSIONS

## 25.1 GEOLOGICAL AND RESOURCE POTENTIAL

Recent exploration work by Broadway has led to the interpretation of a relationship of currently known copper skarn mineralization and massive sulphide mineralization to a deeper porphyry system. Phase I and Phase II drilling programs were successful at generating multiple targets to be followed up upon. These programs were so successful that the Company initiated a Phase III exploration program. The Phase I and Phase II drilling programs have returned significant copper and gold intercepts. Many intercepts are in excess of 20 g/t Au and over 1% Cu. Geophysical surveys have identified chargeability and resistivity locations that have produced multiple drilling targets. These IP chargeability and resistivity targets represent essentially a blind discovery of mineralization interpreted to be copper-gold porphyry related. A Mise-a-la-Masse survey indicates a massive sulphide target that was only penetrated at the edge by one underground drill hole. Jasper mineralization, that hosts native copper and gold trends to the northwest of the Property, are being interpreted and evaluated. Most recently, drillhole C17-24 penetrated a quartz latite porphyry. This successful drill intersection is currently interpreted to be related to the porphyry system that may well be the feeder for most all of the mineralization at the Project. Thus far, Broadway has identified a nearly two mile long geochemical and geophysical trend that is interpreted to be a copper-gold porphyry system.

Drilling and assaying procedures are carried out in accordance with best industry standard practices and are suitable to support mineral resource estimates. Sampling includes quality assurance procedures including the submission of standards and blanks.

Drilling density at near the Broadway Mine, coupled with the fairly large Mise-a-la-Masse anomaly, may be sufficient to estimate mineral resources for the project. The development of the underground mine leads the author to be of the opinion that there may be resources that meet the reasonable prospects of eventual economic extraction.

The Broadway technical staff have demonstrated a keen understanding of copper-gold skarn mineralization. Their interpretation of mineralization controls at Madison have yielded results that may well change the game for Broadway. It is the author's opinion that the Project will continue to yield positive growth for the foreseeable future.

The current Phase III drill program will generate other targets in addition to the current Mise-a-la-Masse target near the Broadway Mine. Broadway has commenced other important programs, in addition to the Phase III program, which are currently ongoing. An extensive, property-wide, soil sampling grid has been sampled. Results and data analysis have not been completely vetted as of the date of this report. Additional studies currently underway include a satellite image study, vein alteration studies and fluid inclusion studies. These programs will be very important in the interpretation of the genesis of mineralization at the Madison Project.

The author has not identified any significant risks and uncertainties that could reasonably be expected to affect the reliability or confidence in the exploration information in this report. The author concludes that the Madison Project is a property of merit requiring continued exploration and development.



## 26 RECOMMENDATIONS

Broadway is currently conducting a Phase III Drill Program. The program commenced on August 28, 2017 and is approximately 30% complete. The program is based on a collaborative effort between Broadway and Childs Geoscience. The collars' locations were based on the historic and current property mapping, Phase I and Phase II 2017 surface drilling and the Induced Polarization, Time Domain Electromagnetic and Misa ala Masse surveys. The program is based on two types of anomalies; 1) initial testing of geophysics that indicated a deep porphyry system and 2) following up on the phase I and phase II drilling programs targeting jasper and massive sulphides.

Drilling	10000	feet	@	\$49.97	/foot	\$499,700
Assaying	5000	feet	@	\$16.86	/foot	\$84,294
Supplies						\$1,500
Technical Staff	4	months	@	\$23,100	/month	\$92,400
Third Party Review	4	months	@	2000	/month	\$8,000
Estimated total						\$685,894

Table 26.1 Proposed 2017 Phase III Drilling Budget

MMC recommends that a successive phase to successful drilling of the massive sulphide anomaly would be to determine if there are reasonable prospects for the eventual economic extraction of mineral resources north of the Broadway Mine. This program would entail exploratory data analysis, 3D geological modeling with Vulcan software, geostatistical analysis and grade estimation. Depending on the size of the identified mineral zone this project would cost between \$30,000 and \$50,000 dollars. The MMC recommendation for estimation of resources near the Broadway Mine is contingent on the successful identification of mineralization proximal to the Broadway Mine.

The success of the Phase III program, along with the interpretations and conclusions garnered from the current ongoing studies, will open a much greater understanding of the Project. Successful completion of these studies will necessitate that Broadway develop an extensive exploration and development plan for the Project. This would involve more drilling, metallurgical studies, environmental baseline studies along permitting and compliance requirements. The cost of this successive program has not been budgeted but MMC suggests that this may range in cost from \$4 to \$6 million dollars.



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