

### **BC Geological Survey Assessment Report** 39630



## **Ministry of Energy and Mines**

BC Geological Survey

#### **Assessment Report Title Page and Summary**

TYPE OF REPORT [type of survey(s)]: Geophysical		TOTAL COST: \$13 623.00			
AUTHOR(S): Helgi Sigurgeirson	SIGNATURE(S):				
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):		YEAR OF WORK: 2020			
STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBE	R(S)/DATE(S): EV #5846216 / 2021/S	EP/30			
PROPERTY NAME: Mal-Wen					
CLAIM NAME(S) (on which the work was done): 1071190,	1071192 & 1071195				
COMMODITIES SOUGHT: Cu & Au	02HNE002 050 8 050	_			
MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 05					
MINING DIVISION: Nicola  LATITUDE: 49 o 56 ' " LONGIT	NTS/BCGS: 092H/0 UDE: 120 ° 27 ' "				
	UDE: 120 27	(at centre of work)			
OWNER(S):  1) Victory Resources Corporation	2)				
MAILING ADDRESS: 734-1055 DUNSMUIR STREET					
Vancouver, BC V7X 1B1					
OPERATOR(S) [who paid for the work]:					
1) Victory Resources Corporation	2)				
MAILING ADDRESS: 734-1055 DUNSMUIR STREET					
Vancouver, BC V7X 1B1					
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigra Basalt, Granodiorite, Diorite, Triassic Nicola Group,	-				

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 403,449,1049,1089,1586,1718,4082,4230,8453

9078,9194,9590,24800,26469,27039,28905,30405,30728,31194,32160,35449,35487,36968,37096,37383,37703, 38506

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	56.714 km		\$13623
Electromagnetic			
Induced Polarization			
Airborne			
GEOCHEMICAL (number of samples analysed for)			
Soil			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric			
(scale, area)		_	
Legal surveys (scale, area)			
Road, local access (kilometres)/	trail		
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	\$13623

# Geophysical Assessment Report on the Mal-Wen Property

Aspen Grove, British Columbia Nicola Mining Division

Map Sheet 092H/098

UTM 683000 E, 5535 500 N (Zone 10)

Claims 1071189, 1071190, 1071191, 1071192 1071195, 1071197 & 1071199

> Prepared for: Victory Resources Corporation

Prepared by: Helgi Sigurgeirson, P.Geo. December 29, 2021

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#### Appendix I

1. LOGISTICAL REPORT GROUND MAGNETOMETER SURVEY MAL-WEN PROPERTY, MERRITT AREA, BC

#### Introduction

#### Location, Access and Physiography

The property is about 30 km southeast of Merritt in south-central British Columbia (Figure 1). It is accessed by taking highway 97C southeast to the Loon Lake Road Exit, which connects to the logging road network which crisscrosses the property. The property is centered at approximately 685000E, 5535000N (Zone 10).

The topography is moderate and is characterized by rolling hills. It ranges in elevation from 1520 m in the southeast part of the property to 1100 m in the Quilchena Creek valley in the northwest corner of the property. Most of the property is covered by second growth forest, and cut blocks at various stages of regrowth are common. Summers are generally hot and dry and snow can be expected from November to March.

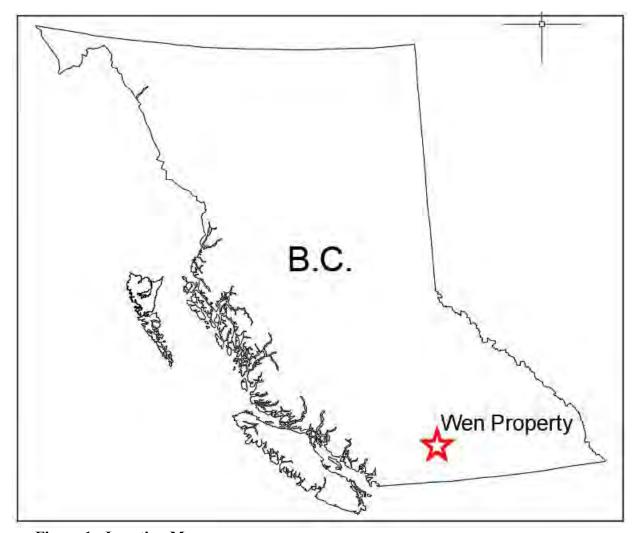


Figure 1: Location Map

#### **Property Definition**

The Mal-Wen Property consists of 7 mineral claims with a total area of 1205.97 hectares (Figure 2). The claim details are given in Table 1. The claims are 100% owned by Victory Resources Corporation. EV#5846216 was applied to claims 1071190, 1071192 and 1071195. All the claims are under Protection Order #5791319 until December 31, 2021.

Table 1: Claim details.

Claim #	Good to Date	Area (ha.)
1071189	2020/JUL/24	145.56
1071190	2022/MAR/15	519.85
1071191	2020/JUL/24	62.39
1071192	2022/MAR/15	311.79
1071195	2022/MAR/15	62.37
1071197	2021/JAN/15	62.41
1071199	2021/JAN/15	41.6

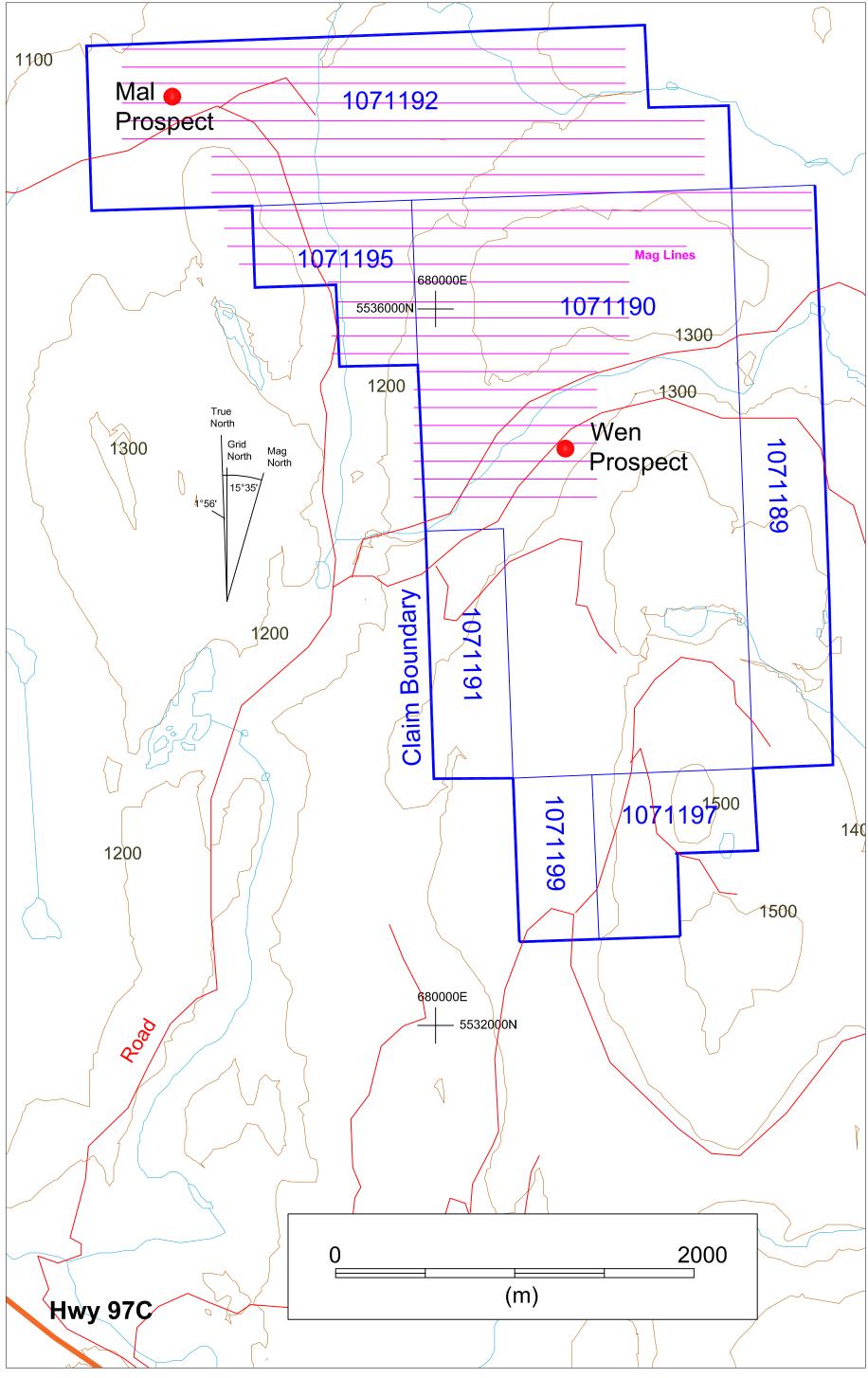


Figure 2: Claim and Mag Line Map

Scale = 1:20 000

#### **Previous Work**

Old adits at the Wen Prospect and the Echo zone attest to exploration on the property possibly dating back to the early 1900's or earlier. Recorded work on the property begins in 1961 and is summarized in Table 2. Three Minfiles are on the property. Their locations are shown on Figure 2

#### Mal-Wen Property Minfiles:

HN-Wen (092HNE058) - A Cu+/-Au quartz vein and stockwork mineralization. Echo (092HNE059) - A number of minor chalcopyrite showings. Mal (092HNE002) - Cu+/-Au mineralization within epidote-carbonate alteration

#### **Work Program Summary**

A Total field magnetometer (mag) survey was performed at the Mal-Wen property, Merritt area, BC within the period September 28 - October 8, 2020. A total of 56.714 kilometres of mag survey were performed.

Year	AR#	Author(s)	Company	Zone	Geological	Geochemical	Geophysical	Drilling	Other
1961	403	Rutherford	Skeena Silver Mines Ltd.	Wen			e.m. (40 km)		
	MMPRAR1						,		
1962	961	Smith	Noranda Exploration	Wen					2195 m of stripping
	MMPRAR1								
1963	962	Smith	Skeena Silver Mines Ltd.	Mal				19 DDHs (1216 m)	Limited trenching
1962	449	Sirola	Kerr-Addison Gold Mines Ltd.	Mal	Prospect area (~345 ha.)	~560 soil samples (rubeanic)	SP (39 km), mag (34 km)		
1967	1049	Sharp	Consolidated Skeena Mines Ltd.	Mal, Echo		c.300? Preliminary soil samples			
4007	4000	0.					Airborne mag, e.m. & radioactivity		
1967	1089	Sharp	Consolidated Skeena Mines Ltd.	Wen, Echo, Mal			(~530 km)		
1968	1586	Sharp	Consolidated Skeena Mines Ltd.	Mal	Reconnaissance	~1000 soil samples	Mag (~25 km)		
1968	1718	Boniwell	Consolidated Skeena Mines Ltd.	Mal			IP (37.4 km)		
1972	4082	Lewis	Balfour Mines Ltd.	SW			Airborne mag (500 ha.)		
1972	4230	Kierans	Nitracell Canada Ltd.	Wen	Prospect area	1367 soil samples 5 rock samples	IP, mag (26 km)	5 DDHs (884.7 m)	
1972	(4230)	Walcott	Nitracell Canada Ltd.	Wen			IP (amount unknown)		
1980	8453	Tully	Abaton Resources Ltd.	Mal		1 rock sample	VLF, mag (29.6 km)		Trenching (123 m)
1981	9194	Mark	Core Energy Corporation	Echo			e.m. (4.8 km)		
1981	9590	Tully	Abaton Resources Ltd.	Mal				7 DDHs (616.18 m)	
1997	24800	Verley	George Resource Company Ltd.	Wen				16 DDHs (1636.8 m)	
2001	26469	Dahrouge	Commerce Resources Corporation	Au, Mal, Wen	Reconnaissance	19 rock samples (& 2 silt?)			
2000	(27039)	Walcott	Commerce Resources Corporation	Mal, Wen			IP (amount unknown)		
2003	27039	Verzosa	Lateegra Resources Corporation	Mal, Wen		430 soil samples	VLF (5.8 km), mag (26.1 km)	6 DDHs (702.5 m)	
2005		Verzosa	Victory Resources	Au, Mal, Wen					43-101 Report
2007	28905	Sookochoff	Victory Resources	Wen		47 MMI soil samples			
2008	30405	Sookochoff	Victory Resources	Wen				1 DDH (88.39 m)	
2009	30728	Sookochoff	Victory Resources	Wen				4 DDHs (183.43 m)	
2009	31194	Sookochoff	Victory Resources	Mal (south)					Lineament study (509 ha.)
2011	32160	Sookochoff	Victory Resources	Wen				6 DDHs (702.5 m)	
2012	33166	Sookochoff	Victory Resources	SW					Lineament study (690 ha.)
2015	35449	Sookochoff	Victory Resources	Mal (south)			IP (3.3 km)		
2016	35487	Sookochoff	Victory Resources	Wen			Mag (1.8 km)		Lineament study (960 ha.)
2018	36968	Sigurgeirson	Victory Resources	Wen	Wen Prospect (3.5 ha.)				Prospecting (20 ha.), Petrography (1 sample)
2018	37096	Sigurgeirson	Victory Resources	Wen, Mal, Echo	Mal Prospect (8 ha.), Wen area (4 ha.)	13 overburden samples & 23 rock samples			Prospecting (40 ha.), Petrography (3 samples)
2018	37383	Sigurgeirson	Victory Resources	Wen	na.j	σαπρισο			i ellography (o samples)
2018	3/363	Sigurgeirson	Victory Resources	Mal, Wen					43-101 Report
2010		Siguigeiisoli	Victory Resources	iviai, vveil					•
2018	37703	Sigurgeirson	Victory Resources	Wen	Wen Prospect (24 ha.)	2 overburden and 7 rock samples			Prospecting (6 km traverse) Petrography (2 samples)
2019	38506	Sigurgeirson	Victory Resources	Wen	Wen Zone (142 ha.)	16 rock samples, 14 soil samples			Petrography (5 samples)

Table 2: Property History

#### Regional Geology

The property is located within the Quesnel Terrane, which is composed of Paleozoic and Mesozoic arcs and is an important metallogenic belt hosting numerous porphyry Cu-Au-Mo deposits. The property is within the eastern Belt of the late Triassic Nicola Group, which is composed of basaltic volcanic rocks and fine grained sediments. The Nicola Group rocks are intruded by granodiorites and quartz diorites of the early Jurassic Pennask Batholith (Preto, 1979; Monger, 1989). Major north-south trending faults, such as the Kentucky-Alleyne Fault immediately west of the property, are the dominant structural feature in the area. The metamorphic grade of the Nicola group rocks is commonly prehnite-pumpellyite.

The Dillard Creek Property, about 20 km to the south, hosts an alkalic porphyry system in the same (eastern) belt of the Nicola Group (Mihalynuk & Logan, 2013) as the property. The alkalic porphyry deposits of the Iron Mask Batholith also occur within Nicola Group volcanics, about 75 km to the north (Logan & Mihalynuk, 2006). In addition, Logan et al (2011) consider the Pennask Batholith to be part of the Takomkane/Wildhorse Suite, one of the three main Mesozoic magmatic suites that displays Cu Porphyry mineralization. The Brenda Deposit, about 20 km to the east is an example of a porphyry deposit associated with this suite.

#### **Property Geology**

Recent mapping by the BC Geological Survey (Mihalynuk et al, 2015) and Victory Resources (Sigurgeirson, 2018a, b & e, 2018e) shows the property to be underlain by 5 units (Figure 3), 3 of which are part of the eastern belt of the Nicola Group. The central part of the property is dominated by augite phyric mafic volcanic rocks and related intrusive rocks. Both the Mal and Wen prospects are within this unit. The southern part of the property is partly underlain by Paradise conglomerate. It is composed of medium grained pyroxene-phyric mafic volcanic rocks interfingering with conglomerate derived from augite-feldspar-rich mafic volcanic porphyries, and lesser monzonite sourced conglomerate. The western part of the property is mainly underlain by mudstone, siltstone and sandstone. The rocks are generally unfoliated. Bedding is commonly west dipping. The Pennask Batholith cuts across the northern edge of the property. This appears to be mainly a white, hornblende granodiorite in those exposures east of the property seen by the author.

#### Mineralization

Four main types of mineralization have been identified on the property. The Wen Prospect vein is a chalcopyrite bearing quartz vein with erratic, locally high gold values up to 16.6 g/t (Verley, 1997). It is usually about 1 m thick, and grades between 0.5% and 1% Cu and under 1 g/t Au. A crude stockwork of quartz-carbonate veins occurs to the east of the Wen Vein. These veins locally feature specular hematite and/or chalcopyrite. They are hosted by fine grained, porphyritic gabbro. South of the stockwork zone is a epidote-carbonate matrix hydrothermal breccia featuring spotty Cu mineralization in the form of chalcopyrite. The clasts are usually basalt, though gabbro clasts have also been noted. The breccia has been mapped at a number of locations to the south and north of the Wen Prospect area. The stockwork zone and the higher grade part of the breccia body together form a poorly defined zone of alteration and erratic mineralization at least 70 m wide and over 400 m in length (Kierans, 1972 & Verley, 1996). Alteration and mineralization at the Mal Prospect is generally similar to the Wen breccias in that it is a zone of epidote-carbonate alteration with erratic Cu mineralization.

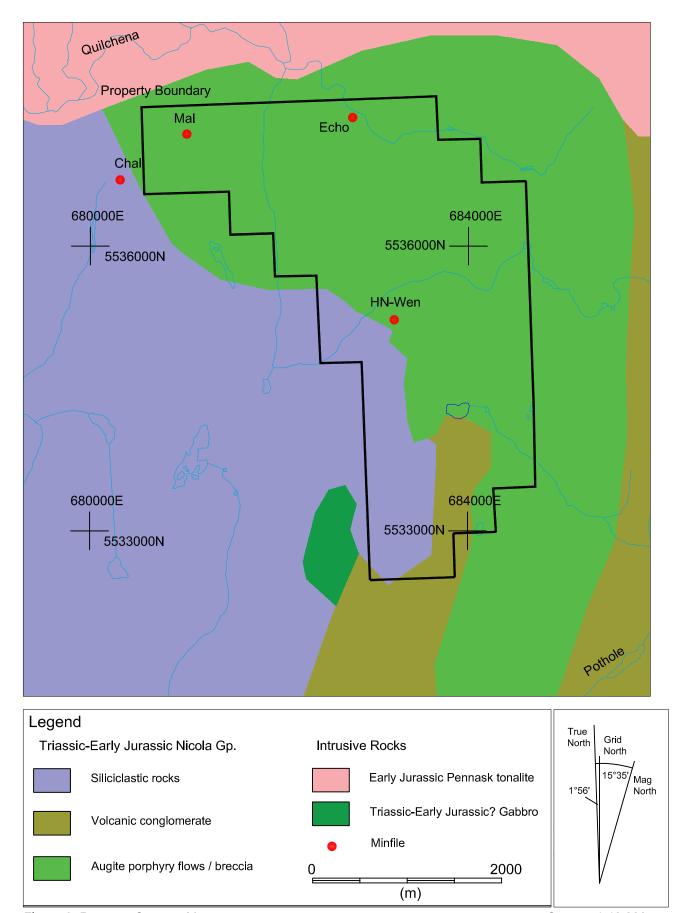


Figure 3: Property Geology Map

Scale = 1:40 000

#### **Geophysical Survey**

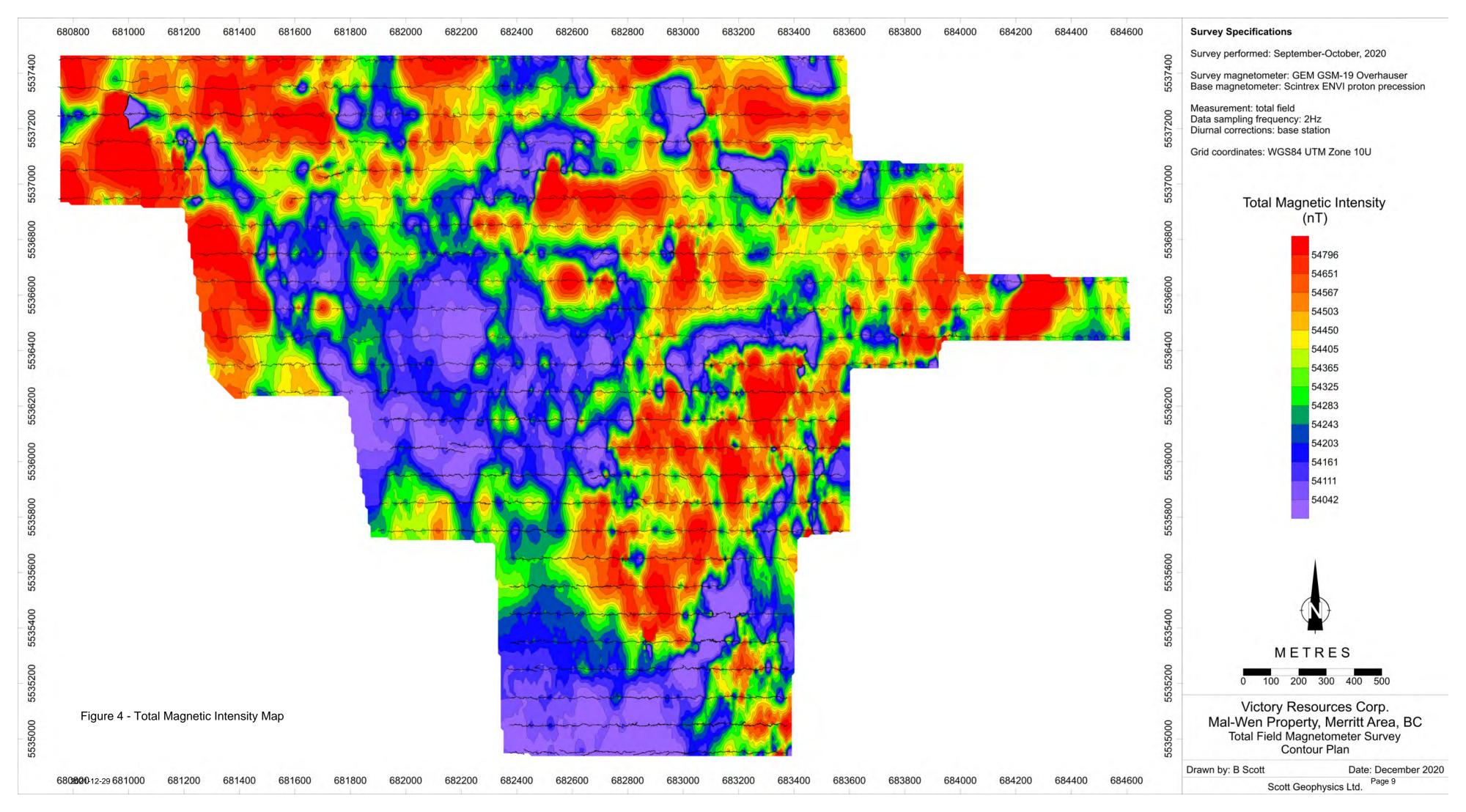
A Total field magnetometer (mag) survey was performed by Scott Geophysics Ltd. at the Mal-Wen property within the period September 28-October 8, 2020. GPS readings were simultaneously recorded with each reading. GPS readings with fewer than 9 satellites visible were filtered out and the reading locations were interpolated.

The total field strength was sampled at a frequency of 2 Hz. Readings were corrected for diurnal drift via a fixed base station cycling at a frequency of 0.5 Hz. A total of 56.714 kilometres of mag survey were performed. The survey results are presented in Figure 4. The report by Scott Geophysics Ltd. on the magnetometer survey is to be found in Appendix 1.

Total field and GPS readings were taken with a GEM GSM-19 Overhauser magnetometer. The fixed base station was a Scintrex ENVI Proton Precession magnetometer. GPS readings not on magnetometer stations were taken with a Garmin GPSMap GPS receiver.

The results of the magnetometer survey indicate that the Wen zone occurs along the edge of a magnetic domain that continues to the northwest under till cover. This edge corresponds to a significant mag lineament that continues past the Mal Prospect and the East Mal IP anomaly. The mag lineament linking the Mal and the Wen Prospects is interpreted to be a significant regional fault (Figure 5). The area between the Mal and the Wen Prospects area is covered by till and probable lacustrine silts.

A 1968 IP survey over the Mal Prospect indicates that it is in the same chargeability domain as a significant chargeability anomaly about 500 m to the east, referred to in Figure 5 as the East Mal IP anomaly. The mottled mag pattern, suggests that the bedrock in this area is similar to that at the Mal and Wen Prospects (ie. Volcanics rather than mudstones).



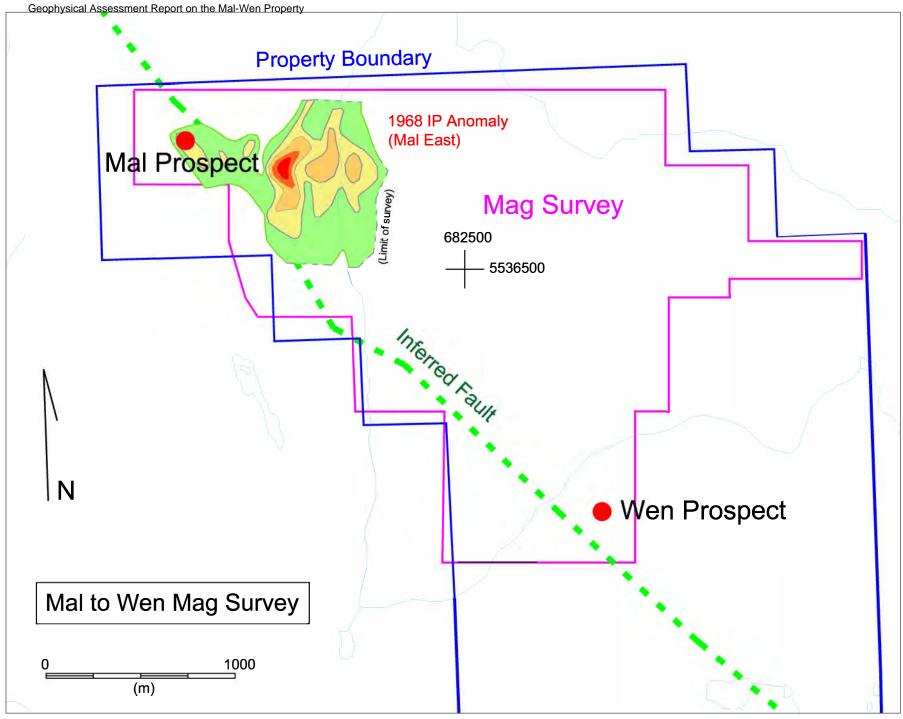


Figure 5 - Survey Summary Map

#### **Conclusions and Recommendations**

The magnetometer survey suggests a structural link between the Mal and Wen Prospects, and that the East Mal IP anomaly is underlain by volcanics, as the mag response is similar to that at the Wen Prospect.

A re-examination of the Mal Prospect in light of recent work at the Wen Prospect indicates that both are essentially zones of epidote-carbonate alteration with locally high grade Cu +/- Au mineralization within mafic volcanics, rather than distinct styles of alteration/mineralization.

The Mal and Wen Prospects may be peripheral expressions of a larger mineralized system that is mostly covered by overburden. Only the very northern part of this area has been covered by previous IP surveys (ie. the area of the east Mal IP anomaly). An IP survey is proposed over the area between the Mal and Wen Prospects. Targets generated by the IP survey would then be drilled.

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#### Statement of Qualifications

#### I certify the following:

- I graduated in 1995 from the University of British Columbia with a B.Sc. in the Geological Sciences.
- 2. I have worked in mining and mineral exploration continuously since graduation.
- I have worked on VMS, porphyry, epithermal and mesothermal Au vein, anorthosite hosted Ti, nephrite and other exploration programs in Canada, Mexico, the USA and China. I have developed and operated 3 dimension stone quarries on the BC coast.
- I am a professional geoscientist in the Association of Professional Engineers and Geoscientists
  of British Columbia, and have been a member in good standing (member #28920) since 2004.
- 5. I carried out the work program described herein and wrote this report.

H. SIGURGERSON
#26920
BRITISH
COLUMBIA
SCHEN

H. Sigurgeirson, P.Geo

DECEMBER 29, 2021

Date

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Exploration Work type	Comment	Days			Totals
	-:		<b>.</b>	0 1 1 1 1 1	
Personnel (Name)* / Position	Field Days (list actual days)	Days	**************************************	Subtotal*	
			\$0.00	\$0.00	
				\$0.00	
			\$0.00	\$0.00	
			\$0.00	\$0.00	
			\$0.00 \$0.00	\$0.00	
			\$0.00	\$0.00	<b>#0.00</b>
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Literature search			\$0.00	·	
Database compilation			\$0.00	\$0.00	
Computer modelling			\$0.00	\$0.00	
Reprocessing of data			\$0.00	\$0.00	
General research			\$0.00	\$0.00	
Report preparation	Helgi Sigurgeirson	1.0	\$500.00	\$500.00	
Other (specify)			\$0.00		
				\$500.00	\$500.00
Airborne Exploration Surveys	Line Kilometres / Enter total invoiced	amount			
Aeromagnetics			\$0.00	\$0.00	
Radiometrics			\$0.00	\$0.00	
Electromagnetics			\$0.00	\$0.00	
Gravity			\$0.00	\$0.00	
Digital terrain modelling			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	\$0.00
Remote Sensing	Area in Hectares / Enter total invoiced	amount or I	ist personn	el	
Aerial photography			\$0.00	\$0.00	
LANDSAT			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	\$0.00
Ground Exploration Surveys	Area in Hectares/List Personnel				
Geological mapping					
Regional					
Reconnaissance					
Prospect					
Underground	Define by length and width				
Trenches	Define by length and width			\$0.00	\$0.00
	Tomic 25 long and main			Ψ 0.00	+5.55
Ground geophysics	Line Kilometres / Enter total amount i	nvoiced list	nersonnel		
Radiometrics	Ellio Rilottos / Elitor total alliount	III Olood IIst	porsornior		
Magnetics	56.714 Line Kilometeers			\$13,123.00	
Gravity	50.714 Line Kilometeers			Ψ13,123.00	
Digital terrain modelling					
Electromagnetics					
SP/AP/EP					
IP					
AMT/CSAMT					
Resistivity					
Complex resistivity					
·					
Seismic reflection					
Seismic refraction	Define by total law ath				
Well logging	Define by total length				

Geophysical interpretation					
Petrophysics					
Other (specify)					
Other (specify)				\$13,123.00	\$13,123.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	\$13,123.00
Geochemical Surveying	Number of Samples	140.	Rate	Subtotal	
Drill (cuttings, core, etc.)			\$0.00	\$0.00	
Stream sediment			\$0.00		
Soil			\$0.00		
Rock			\$0.00		
Water			\$0.00		
Biogeochemistry			\$0.00	·	
Whole rock			\$0.00		
Petrology			\$0.00		
Other (specify)			\$0.00		
Circle (opcomy)			70.00	\$0.00	\$0.00
Drilling	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal	
Diamond	The state of the s	1	\$0.00		
Reverse circulation (RC)			\$0.00		
Rotary air blast (RAB)			\$0.00		
Other (specify)			\$0.00		
Care (ep conj)			70.00	\$0.00	\$0.00
Other Operations	Clarify	No.	Rate	Subtotal	+0.00
Trenching			\$0.00		
Bulk sampling			\$0.00		
Underground development			\$0.00		
Other (specify)			\$0.00		
. 1 3/				\$0.00	\$0.00
Reclamation	Clarify	No.	Rate	Subtotal	<del>-</del>
After drilling			\$0.00	\$0.00	
Monitoring			\$0.00	·	
Other (specify)			\$0.00	\$0.00	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
Transportation		No.	Rate	Subtotal	
Airfare			\$0.00	\$0.00	
Taxi			\$0.00	\$0.00	
truck rental			\$0.00	\$0.00	
kilometers			\$0.00	\$0.00	
ATV			\$0.00	\$0.00	
fuel			\$0.00	\$0.00	
Helicopter (hours)			\$0.00		
Fuel (litres/hour)			\$0.00	\$0.00	
Other					
				\$0.00	\$0.00
Accommodation & Food	Rates per day				
Hotel			\$0.00		
Camp			\$0.00		
Meals	day rate or actual costs-specify		\$0.00		
				\$0.00	\$0.00
Miscellaneous					
Telephone			\$0.00	\$0.00	
Other (Specify)					
				\$0.00	\$0.00

Equipment Rentals			
Field Gear (Specify)	\$0.00	\$0.00	
Other (Specify)			
		\$0.00	\$0.00
Freight, rock samples			
	\$0.00	\$0.00	
	\$0.00	\$0.00	
		\$0.00	\$0.00
TOTAL Expenditures			\$13,623.00

## Appendix I

# LOGISTICAL REPORT GROUND MAGNETOMETER SURVEY MAL-WEN PROPERTY, MERRITT AREA, BC

# LOGISTICAL REPORT GROUND MAGNETOMETER SURVEY MAL-WEN PROPERTY, MERRITT AREA, BC

on behalf of

VICTORY RESOURCES CORP. Suite 1780, 355 Burrard St Vancouver, BC V6C 2G8

Survey performed: September 28-October 8, 2020

by

Brad Scott, Geologist (GIT) SCOTT GEOPHYSICS LTD. 4013 West 14<sup>th</sup> Avenue Vancouver, BC V6R 2X3

December 29, 2020

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Acc	companying Maps (1:10,000 scale)	
Tot	al magnetic intensity contour plan (UTM coordinates)	
	Accompanying Data Files	

Survey data and plots in Surfer and pdf formats

#### 1. INTRODUCTION

A Total field magnetometer (mag) survey was performed at the Mal-Wen property, Merritt area, BC within the period September 28-October 8, 2020. In addition, GPS readings were simultaneously recorded with each reading. GPS readings with fewer than 9 satellites visible were filtered out and the reading locations were interpolated.

The survey was performed by Scott Geophysics Ltd. on behalf of Victory Resources Corp. This report describes the instrumentation and procedures, and presents the results of the survey.

#### 2. SURVEY COVERAGE AND PROCEDURES

The total field strength was sampled at a frequency of 2 Hz. Readings were corrected for diurnal drift via a fixed base station cycling at a frequency of 0.5 Hz.

A total of 56.714 kilometres of mag survey were performed.

The survey results are presented on the accompanying plan map. All survey data are archived to the accompanying CD-ROM.

#### 3. PERSONNEL

Brad Scott was the representative on behalf of Scott Geophysics Ltd. Helgi Sigurgeirson was the representative on behalf of Victory Resources Corp.

#### 4. INSTRUMENTATION

Total field and GPS readings were taken with a GEM GSM-19 Overhauser magnetometer. The fixed base station was a Scintrex ENVI Proton Precession magnetometer. GPS readings not on magnetometer stations were taken with a Garmin GPSMap GPS receiver.

Respectfully Submitted,

Kg

Brad Scott, Geologist (GIT)

Statement of Qualifications

for

Brad Scott, Geologist (GIT)

of

1230 Harrison Way, Gabriola, BC V0R 1X2

I, Brad Scott, hereby certify the following statements regarding my qualifications and involvement in the program of work on behalf of Victory Resources Corp. at the Mal-Wen property, Merritt area, BC as presented in this report.

The work was performed by individuals trained and qualified for its performance.

I have no material interest in the property under consideration in this report.

I graduated from the University of British Columbia with a Bachelor of Science degree (Geology) in 2000.

I am a member-in-training of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

I have been practising my profession in the field of Mineral Exploration since 2000.

Respectfully submitted,

**Brad Scott** 

K ST

