

**BC Geological Survey
Assessment Report
39372**



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: Technical Assessment Work Report on the
Whitewater Property North Block, Slocan Mining Division,
Kaslo, British Columbia, Canada, dated January 04, 2021
(Revised April 24, 2021)**

TOTAL COST: \$19,770.30

AUTHOR(S): Afzaal Pirzada, P.Geo.

SIGNATURE(S):



Signed and Sealed

Afzaal Pirzada, P.Geo.

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S) : 5824578, January 5, 2021

YEAR OF WORK: 2020

PROPERTY NAME: Whitewater Property North Block

CLAIM NAME(S) (on which work was done):

1075878 (Whitewater Gold), 1076510 (Whitewater 2), 1077955 (Whitewater 4)

COMMODITIES SOUGHT: Silver, gold, lead, zinc, copper

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 082KSW032, 082KSW148,
082KSW162, 082KSW163, 082KSW139, 082KSW042

MINING DIVISION: SLOCAN MINING DIVISION

NTS / BCGS: BCGS Map 082K005, NTS Map 082K03E

LATITUDE: _____ ° _____ ' _____ "

LONGITUDE: _____ ° _____ ' _____ " (at centre of work)

UTM Zone: 1983 Zone 11N EASTING: 498000 NORTHING: 5539000

OWNER(S): AFZAAL PIRZADA

MAILING ADDRESS: 14782 – 61A Avenue, Surrey, BC V3S 2L8

OPERATOR(S) [who paid for the work]: Traction Exploration Inc.

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)

Geologically, the Property area occurs in the southern part of the Goat Range of eastern Selkirk Mountains which lies within the Kootenay Arc terrane, which is a curving belt of complexly deformed sedimentary, volcanic, and metamorphic rocks extending southeasterly from Revelstoke, to Kootenay Lake in British Columbia and then southerly into the United States. It consists of lower Paleozoic and Mesozoic rocks on the west flank of the Purcell Anticlinorium. The limestone, dolomite, clastic sedimentary rocks, and volcanic rocks of Paleozoic and early Mesozoic age in the arc were intensely deformed during early Paleozoic and Middle Jurassic time.

Locally, the Property area is underlain by the rocks of Kaslo group and Slocan Group. The Kaslo Group is widely exposed and covers a major portion in the northern block of the property, and consists of mafic volcanic rocks, serpentinite, intrusives, and associated sedimentary rocks. The Whitewater Fault occurs at the base of the ultramafic unit and divide the Kaslo Group into upper and lower plates. Where exposed, the Whitewater Fault is a shear zone that is folded by folds associated with the Dryden Anticline. The Slocan Group consists of thick sequence of grey to dark grey phyllite and slate which are thin bedded to massive and defined by dark grey colour bands, sandy and calcareous layers that weather into differential relief because of slight compositional variations. The Slocan Group rests with slight angular unconformity on the Marten conglomerate. The age of the Slocan Group is Late Triassic. The intrusive rocks in the area include diorite, granite, and lamprophyre dikes. All rock units exposed on the Property have undergone some degree of regional metamorphism.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
03926, 04126, 05401, 07835, 08529, 09060, 12167, 16758, 17158, 19475

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
	400 ha	1076510, 1077955	
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying 32		1076510, 1077955	
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)	400 ha	1076510, 1077955	
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		TOTAL COST	\$19,770.30

TECHNICAL ASSESSMENT WORK REPORT

On the

**Whitewater Property North Block
Slocan Mining Division, Kaslo,
British Columbia, Canada
(Claims 1075878, 1076510, 1077955)**

Prepared by:

**Afzaal Pirzada, P.Geo.
Consulting Geologist
14782 – 61A Avenue, Surrey, BC
V3S 2L8 Canada**

Event Numbers:

5824578

Dated: January 04, 2021

Revised April 24, 2021

CONTENTS

1.0	SUMMARY	7
2.0	INTRODUCTION	11
2.1	Purpose of the Report	11
2.2	Sources of Information	11
3.0	PROPERTY DESCRIPTION AND LOCATION	11
4.0	ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE PHYSIOGRAPHY	17
4.1	Access	17
4.2	Climate	17
4.3	Local Resources and Infrastructure	19
4.4	Physiography	19
5.0	HISTORY	20
5.1	General History	20
5.2	Property History	21
5.2.1	Gold Quartz Occurrence	22
5.2.2	Bollinger Occurrence	23
5.2.3	Gold Quartz Ridge Occurrence	24
5.2.4	Gold Quartz B Zone	24
5.2.5	Tom 3 Occurrence	25
6.0	GEOLOGICAL SETTING AND MINERALIZATION	26
6.1	Regional Geology	26
6.1.1	Hammil Group	26
6.1.2	Lardeau Group	28
6.1.3	Milford Group	29
6.1.4	Kaslo Group	30
6.1.5	Slocan Group	30
6.2	Structural Geology	32
6.2.1	Major structures and deformation	33
6.3	Property Geology	35
6.3.1	Kaslo Group	35
6.3.2	Slocan Group	36
6.3.3	Intrusive Rocks	36

6.3.4	Metamorphism	36
6.4	Mineralization	39
7.0	DEPOSIT TYPES	40
7.1	Classification.....	41
7.1.1	Vein Deposits	41
7.1.2	Replacement Deposits	42
7.1.3	Mineralization shoots	43
7.1.4	Detrital Deposits	43
8.0	EXPLORATION	44
8.1	August 2020 Exploration Work Program	44
8.1.1	Mapping and Sampling in Slocan Group.....	54
8.1.2	Mapping and Sampling in the Lower Plate Sequence	56
8.1.3	Mapping and Sampling in the Upper Plate Sequence	56
8.2	Exploration Work Results	58
9.0	SAMPLE PREPARATION, ANALYSIS AND SECURITY	64
10.0	ADJACENT PROPERTIES.....	65
10.1	Whitewater Mine	65
10.2	Highland Surprise Mine	66
10.3	Klondike Silver Corp.....	67
10.4	Magnum Goldcorp Inc.	68
11.0	INTERPRETATION AND CONCLUSION	70
12.0	RECOMMENDATIONS	72
13.0	REFERENCES	75
14.0	CERTIFICATE OF AUTHOR.....	78

FIGURES

Figure 1: Regional Property Location.....	14
Figure 2: Claim and Physiography Map	15
Figure 3: Whitewater Property North Block.....	16
Figure 4: General physiography of the area.	20
Figure 5: Regional Geological Map of Kootenay Arc British Columbia (After Fyles 1970)	27
Figure 6: Generalized stratigraphy of the Goat Range (Klepacki,1985)	32
Figure 7: Geological map of Property area.....	38
Figure 8: Modified geological map from Exploration work	57
Figure 9: Sampling Location and Assays North Block – Map A.....	61
Figure 10: Sampling Location and Assays North Block – Map B.....	62
Figure 11: Sampling Location and Assays North Block – Map C.....	63
Figure 12: Adjacent Properties Map.....	69

TABLES

Table 1: Claim Data	12
Table 2: Kaslo Average Monthly Climate Data & Extremes, British Columbia Canada Climate Data.....	18
Table 3: List of Minfile occurrences on the Property	22
Table 4: Whitewater Property Exploration August 14-31, 2020 Rock Samples Details	48
Table 6: Exploration work assays highlights	59
Table 7: Agat Laboratories Sample Preparation and Analysis.....	64
Table 8: Phase 1 Budget.....	74

PHOTOS

Photo 1: Rocks diorites and ultramafics belonging to Kaslo Group (August 2020 Work Photo) . 45
Photo 2: Broken rock material brough down by glaciers (August 2020 Work Photo) 45
Photo 3: Quartz veining in Slocan Group phyllites (August 2020 Work Photo) 46
Photo 4: Kaslo Group diorite ridges in the Northern Claim Block (August 2020 Work Photo).... 46
Photo 5: Sampling of ultramafic broken rock material along the Whitewater Fault (August 2020 Work Photo)..... 47
Photo 6:Quartz vein in phyllites (location: 0499164E,5536377N) (August 2020 Work Photo) ... 54
Photo 7: Sandstone / quartzite with thin quartz veins (location: 0498360E, 5538629N) (August 2020 Work Photo)..... 55
Photo 8: Greenstone of lower Kaslo Group (location: 498509E, 5538634N)..... 55

APPENDICES

Appendix A Cost Statement
Appendix B Laboratory Certificates of Analysis

1.0 SUMMARY

The report is intended to provide a summary of 2020 exploration work on the Whitewater Property North Block (the "Property"). The Property consists of three claims totaling approximately 1,139.48 hectares land. The claims are in Slocan Mining Division (BCGS Map 082K005, NTS Map 082K03E), Kaslo, British Columbia, Canada. The Property is located near BC Highway 31A, between towns of Kaslo and New Denver located 26km and 20km, respectively from the Property. It has good infrastructure support and connected with other towns of Nelson and Trail in the southeastern BC.

Geologically, the Property area occurs in the southern part of the Goat Range of eastern Selkirk Mountains which lies within the Kootenay Arc terrane, which is a curving belt of complexly deformed sedimentary, volcanic, and metamorphic rocks extending southeasterly from Revelstoke, to Kootenay Lake in British Columbia and then southerly into the United States. It consists of lower Paleozoic and Mesozoic rocks on the west flank of the Purcell Anticlinorium. The limestone, dolomite, clastic sedimentary rocks, and volcanic rocks of Paleozoic and early Mesozoic age in the arc were intensely deformed during early Paleozoic and Middle Jurassic time.

Locally, the Property area is underlain by the rocks of Kaslo group and Slocan Group. The Kaslo Group is widely exposed and covers a major portion in the northern block of the property, and consists of mafic volcanic rocks, serpentinite, intrusives, and associated sedimentary rocks. The Whitewater Fault occurs at the base of the ultramafic unit and divide the Kaslo Group into upper and lower plates. Where exposed, the Whitewater Fault is a shear zone that is folded by folds associated with the Dryden Anticline. The Slocan Group consists of thick sequence of grey to dark grey phyllite and slate which are thin bedded to massive and defined by dark grey colour bands, sandy and calcareous layers that weather into differential relief because of slight compositional variations. The Slocan Group rests with slight angular unconformity on the Marten conglomerate. The age of the Slocan Group is Late Triassic. The intrusive rocks in the area include diorite, granite, and lamprophyre dikes. All rock units exposed on the Property have undergone some degree of regional metamorphism.

Exploration of the property area dates to the late 1800s when polymetallic silver-lead-zinc veins, such as the Gold Quartz showing were first discovered. The major discovery of gold was made in Kaslo formation at Highland Surprise Mine, located 1-2 km south of the Property. Several companies were involved in exploration activities in the claim area from time to time.

Hi-Ridge Resources Ltd. in the year 1972 completed an exploration program involving geological mapping, prospecting, magnetometer surveying and diamond drilling. Pan Ocean Oil Limited in the year 1973 carried out geological mapping of the property area. Amoco Canada Petroleum Company Limited in 1979 did soil sampling which indicated the presence of several anomalous concentrations of gold. There are five mineral showings (Minfile Occurrences) documented for the Property area which are: i) Gold Quartz (silver, gold, lead, zinc, copper), ii) Bollinger (gold,

lead, copper), iii) Gold Quartz Ridge (silver, gold, copper), iv) Gold Quartz B Zone (silver, gold, lead, copper), and v) Tom (copper).

The Property area is known mainly for silver bearing deposit types where Slocan Group is the main source of economic mineralization, and the Kaslo Group is known for several mineral showings but few of them have economic importance. Mineralization has chiefly taken the form of fissure vein deposits. Replacement of the wall-rock is a common feature, its degree depending on the character of the enclosing rocks. According to the geological model, regional faults and major structural discontinuities that have great strike lengths and extend deep in the crust are important mineralization controls because they provide conduits for the movement of mineralized fluids.

Traction Exploration Inc. optioned the Property and paid for exploration work programme on the from August- 14 to August-31, 2020. The focus of the fieldwork was to collect representative rock samples along with the geological and structural observations from Kaslo group and Slocan group sequence. The sampling program was designed to represent all prospective geological units and formations.

A total of 32 outcrop grab samples from outcrops, floats and fault related broken rubble material were collected during this campaign. Main target for sampling was brown to whitish quartz veins ranging in thickness from 1cm to 60 cm (commonly 10cm-20cm with 1-2% sulphides and occasionally up to 5% sulphides including pyrite, pyrrhotite, galena, and chalcopyrite). Serpentinized ultramafic rocks, sulphide bearing phyllites and intrusives were also sampled occasionally.

The analytical results of samples indicate that silver is the main target element for further exploration. Anomalous values of gold, copper, manganese, and nickel are also found in a few samples.

- Silver values are in the range of 0.1 parts per million (ppm) to 1.94 ppm, 4 samples are over one ppm, 9 samples have values between 0.5 ppm to one ppm, 15 samples are between 0.1 ppm to 0.5 ppm, and one sample is below 0.1 ppm silver.
- Gold in one sample (WWN-20-70R) is 0.6 grams per tonne (g/t), and two other samples are around 0.01 ppm. All remaining samples have are lower gold values.
- Copper values are in the range of 3.5 ppm to 1030 ppm, the higher values are found in rocks of the upper plate in Kaslo Group. Nickel (Ni) assayed in the range of 2.3 ppm to 1890 ppm.
- Manganese (Mn) is from 47 ppm to 1650 ppm, zinc (Zn) is from 4.5 ppm to 288 ppm, vanadium (V) is 9.2 ppm to 449 ppm, lead (Pb) is 1.3 ppm to 23.3 ppm, chromium (Cr) is 41.6 ppm to 1780 ppm.

- As the Northern Block is dominantly represented by mafic and ultramafic rock complex, a total of 28 samples from the upper plate sequence of Kaslo Group belonging to Northern Block were also tested for platinum and palladium, but all samples returned values below the laboratory's method detection limits of 0.01 ppm for palladium and 0.005 ppm for platinum. Only two samples (WWN-20-62R and WWN-20-63R) assayed 0.004 ppm palladium, both these samples have 1860 and 1890 ppm nickel, respectively.

All samples for this work were prepared and analyzed at Agat Laboratories Mississauga, Ontario using packages: 4 Acid Digest - Metals Package, ICP/ICP-MS finish, Multi-Acid Digest, ICP-OES finish, Fire Assay - Trace Au, ICP-OES finish (ppm), Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish, and Fire Assay - Au Ore Grade, Gravimetric finish (50g charge).

Based on its past exploration history, favourable geological and tectonic setting, presence of surface mineralization, and the results of present study, it is concluded that the Property is a property of merit and possesses a good potential for discovery of silver, gold, and other sulphide mineralization. Good road access together with availability of exploration and mining services in the vicinity makes it a worthy mineral exploration target. The historical exploration data collected by previous operators on the Property provides the basis for a follow-up work program.

Recommendations

In the author's opinion, the Whitewater Property North Block has potential for further discovery of good quality silver, gold and other sulphide mineralization. The character of the property is sufficient to merit a follow-up work program. This can be accomplished through a two-phase exploration and development program, where each phase is contingent upon the results of the previous phase.

Phase 1 – Prospecting, Sampling and Geological Mapping

The 2020 exploration work identified several areas with quartz veins showing over 1 ppm silver and a few areas with over 0.5 g/t gold values. It is recommended to follow up these quartz veins through detailed mapping, prospecting, and sampling work. Due to large size of the property, the 2020 work program was not able to cover a large part of the claim areas of the North Block. The Northern Block has a difficult access as 1.5 to 2 hours one-way uphill walk slows down the work progress. It is recommended to cover the areas with difficult access more efficiently using a helicopter. The following areas are recommended for detailed prospecting and sampling work:

North Block

- Three samples collected from southwestern part of claim 1077955 have shown silver values in the range of 0.94 ppm – 1.94 ppm. The whole claim area needs detailed prospecting and mapping.
- Samples collected from claim (1076510) also show anomalous values of silver (over 1 ppm in two samples) and gold (0.61g/t in one sample). The north-eastern part of this claim

needs detailed checking in the area across Whitewater Creek, particularly historical Minfile Occurrences (Gold Quartz B Zone and Gold Quartz Ridge) (Figure 3).

- Two Minfile occurrences (Gold Quartz and Bollinger) on Claim 1075878 need detailed prospecting and mapping.

Total estimated budget for this work is \$123,365 and it can take about four months' time to complete.

Phase 2 – Drilling and Geophysical Surveys

Based on the results of Phase 1 program, a drilling program is recommended to be executed on the targets if identified for further work on the Property. Scope of work, location of drill holes and budget for Phase 2 will be prepared after reviewing the results of Phase 1 program. Another recommendation for this phase of work is to carryout airborne geophysical surveys (Time Domain Electromagnetic – TDEM and Magnetic) on the North Block.

2.0 INTRODUCTION

2.1 Purpose of the Report

The present technical assessment work report is prepared to present a summary of the 2020 exploration work carried out on the Report on the Whitewater Property North Block (the “Property”). Traction Exploration Inc. (“Traction” or the “Company”) optioned the Property and paid for the cost of exploration work. The Author was retained to supervise the 2020 exploration work and prepare this technical assessment work report.

2.2 Sources of Information

The present report is based on published assessment work reports and data available from the Ministry of Energy, Mines & Petroleum Resources, *British Columbia* (<https://minfile.gov.bc.ca/>), (https://www.mtonline.gov.bc.ca/mtov/map/mto/cwm.jsp?site=mem_mto_min-view-title), the *British Columbia Geological Survey* (BCGS), the Geological Survey of Canada (“GSC”), various researchers, websites, and personal observations. All consulted sources are listed in the References section. The sources of the maps are noted on the figures.

This technical assessment work report is based on the following sources of information:

- Information available to the author at the time of preparation of this report;
- Assumptions, conditions, and qualifications as set forth in this report;
- Data, reports, and other information supplied by Traction, Geomap Exploration, and other third-party sources; and,
- Fieldwork on the Whitewater Property.

3.0 PROPERTY DESCRIPTION AND LOCATION

The Property consists of three claims totaling approximately 1,139.48 hectares land. The claims are in Slocan Mining Division (BCGS Map 082K005, NTS Map 082K03E), Kaslo, British Columbia, Canada. Present report covers assessment work on the North Block which comprises claims # 1075878, 1076510 and 1077955 covering approximately 1,139.48 hectares land (Figures 1, 2, and 3). The area is located about 26 kilometers northeast of Kaslo which in turn is 70 kilometers to the north of Nelson on highway 31.

The Property is currently owned 100% by Afzaal Pirzada (260370) (100%) of Geomap Exploration Inc. The Property Mineral Claims were staked using the British Columbia Mineral Titles Online computer Internet system. With the British Columbia mineral claim staking system there can be no internal fractions or open ground. In response to COVID 19 pandemic situation all mineral and placer claims in British Columbia that have a good to /expiry date before December 31, 2021 have been given extra time to register work or payment instead of work. Enough work or payment in

lieu of work must be registered on or before December 31, 2021 to bring the good to/expiry date of the claim into good standing. Any claim that has not been brought into good standing by December 31, 2021 will forfeit, as its good to/expiry date will be in the past.

The [Mineral Tenure Act Regulation](#) in British Columbia describe registering exploration and development for a mineral claim. The value of exploration and development required to maintain a mineral claim for one year is provided below:

Mineral Claim - Work Requirement:

- \$5 per hectare for anniversary years 1 and 2;
- \$10 per hectare for anniversary years 3 and 4;
- \$15 per hectare for anniversary years 5 and 6; and
- \$20 per hectare for subsequent anniversary years

The other option is payment in lieu of work which is double the amount mentioned in the above schedule. The claims are good until December 31, 2021, thereafter, annual work of \$11,409 will be required to for year 1 and 2 to keep these claims in good standing. Mineral rights in British Columbia do not include surface rights. The surface rights on the Property are held by the Crown and a “Notice of Work and Reclamation Program” permit is required for drilling, trenching, setting up a camp and other intrusive work. There are no known environmental liabilities and no permits have been applied for or acquired for the Property. There is no Indian Reserve, First Nations Treaty Land on the Property, however the Property is regionally in a broad consultative area of several First Nations from Okanagan Valley to the Kootenays.

Claim data is summarized in the Table 1, while a map showing the claims is presented in Figures 2 and 3.

Table 1: Claim Data

Title Number	Claim Name	Owner	Title Type	Map Number	Issue Date	Good to Date	Status	Area (ha)
1075878	WHITEWATER GOLD	260370 (100%)	Mineral Claim	082K	2020/APR/24	2021/APR/24	PROTECTED	248.83
1076510	WHITEWATER 2	260370 (100%)	Mineral Claim	082K	2020/MAY/30	2021/MAY/30	PROTECTED	475.91
1077955	WHITEWATER 4	260370 (100%)	Mineral Claim	082K	2020/AUG/11	2021/AUG/11	PROTECTED	414.74
Total Area (Hectares)								1,139.48

The Property was optioned by Traction pursuant to a property purchase option where the Company can earn 100% interest in the Property by incurring \$515,000 in exploration expenditures and paying \$80,000 in cash, all in accordance with the following schedule:

- (a) within three months of the Effective Date, incur minimum Expenditures of \$75,000;

- (b) on or before the first anniversary of the date upon which the Optionee's shares are listed for trading on any stock exchange in Canada (the "**Listing Date**"), incur minimum Expenditures of \$110,000;
- (c) on or before the second anniversary of the Listing Date:
 - (i) pay to the Optionor \$30,000; and
 - (ii) incur minimum additional Expenditures of \$130,000; and
- (d) on or before the third anniversary of the Listing Date:
 - (i) pay to the Optionor \$50,000; and
 - (ii) incur minimum additional Expenditures \$200,000.

Figure 1: Regional Property Location

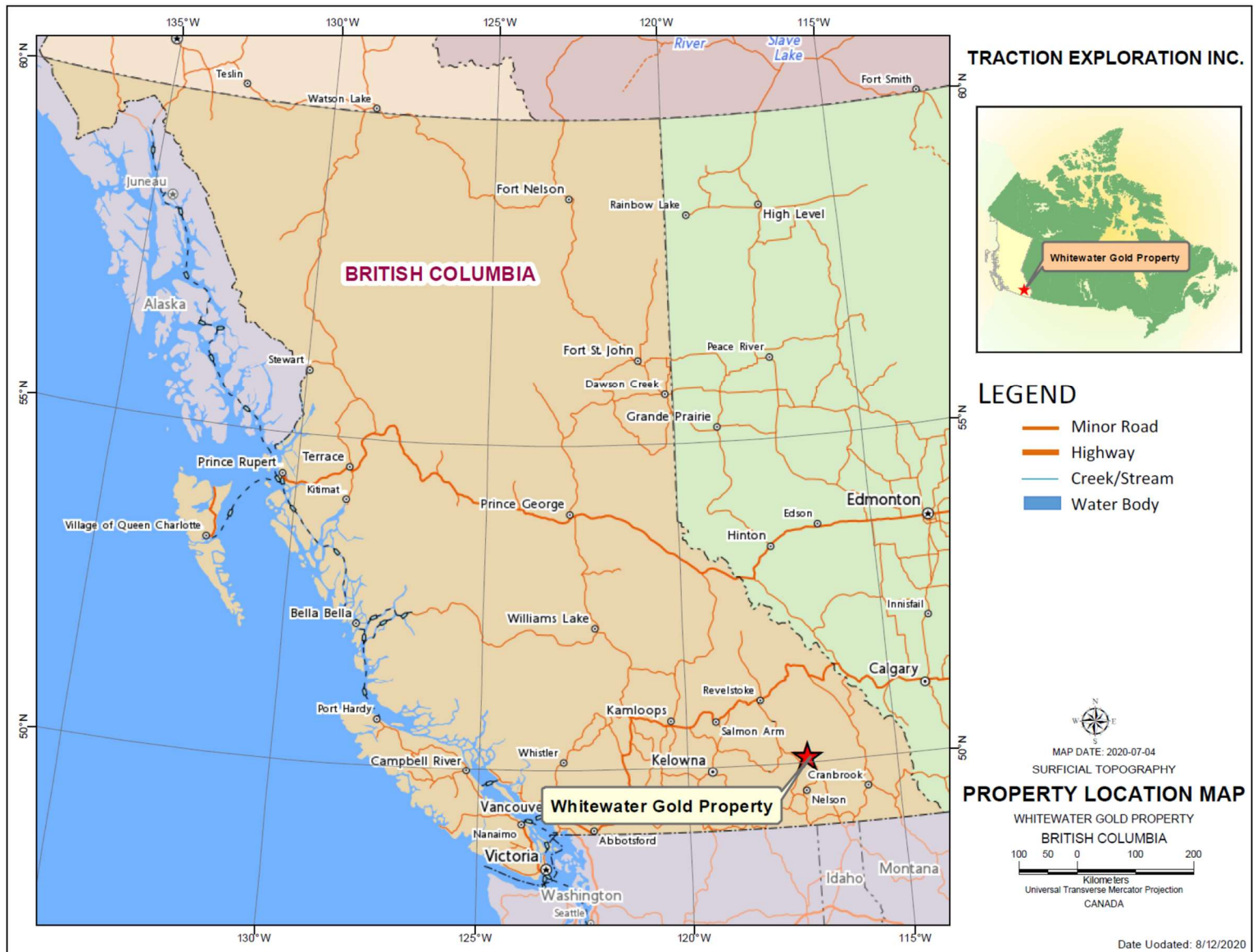


Figure 2: Claim and Physiography Map

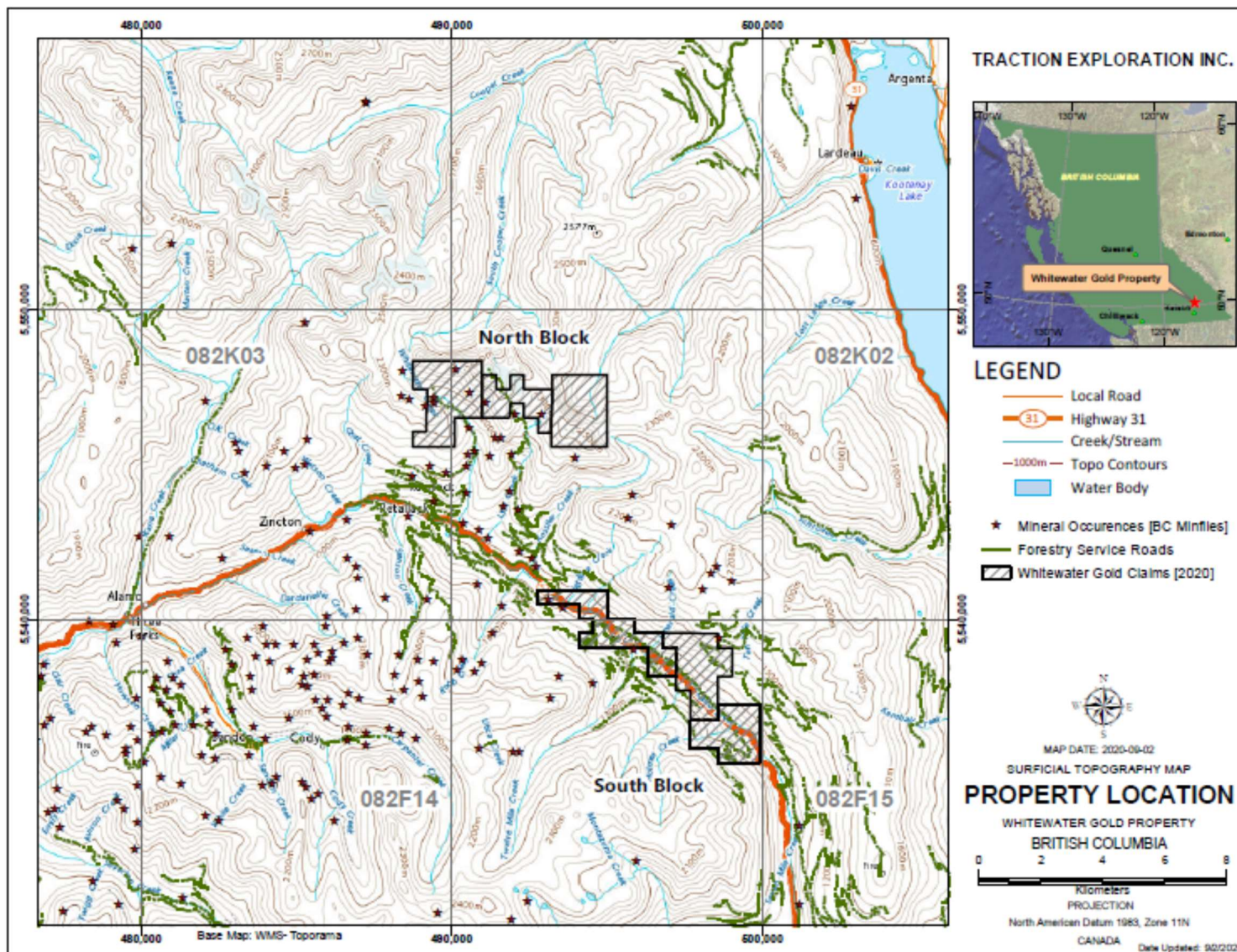
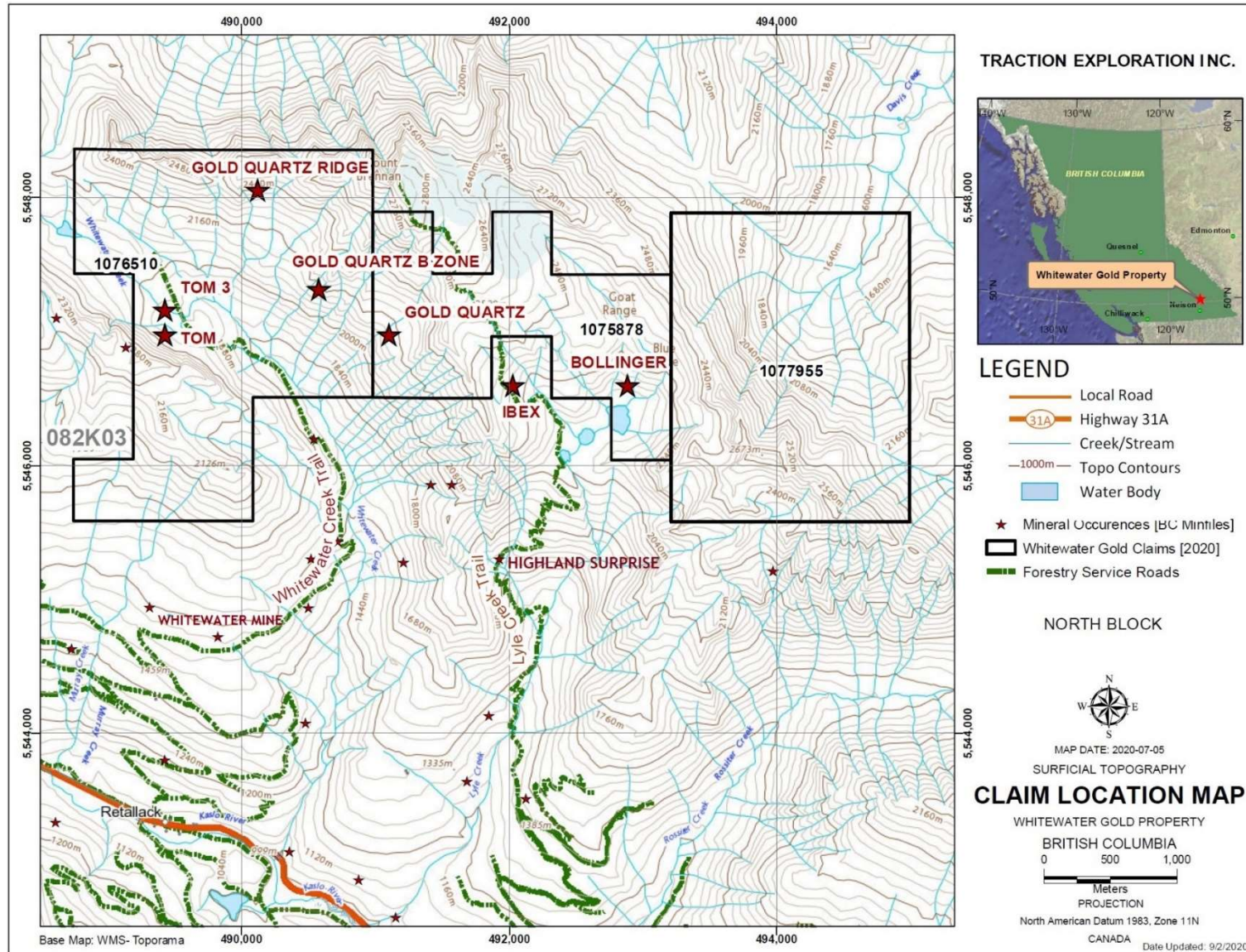


Figure 3: Whitewater Property North Block



4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE PHYSIOGRAPHY

4.1 Access

The property is located at the south end of the Goat Range in the Selkirk Mountains. It is accessible from Retallack which is a mining ghost town on highway 31A between towns of Kaslo and New Denver located 26km and 20km respectively from the Property (Figure 2). The town of Kaslo is located to the southeast of the Property on Kootenay Lake in the West Kootenay region of British Columbia. Kaslo is 69km (43 miles) from Nelson, following Highway BC-31 to the south. Highway 31A crosses the South Claim Block of the Property.

At KM 25 from Kaslo on Highway 31A-W, the North Block of the property is approximately 4 km to the north of the highway. The access to North block is generally on a four-wheel vehicle and then on foot (1.5-2 km) by following either of the two trails, the Whitewater Creek Trail, or the Lyle Creek Trail. Lower reaches of both trails can be accessed by four-wheel vehicles and the upper reaches near the Property claim boundary is reachable on foot or using an all terrain vehicle (ATV). Drilling in the Northern Claim Block will need helicopter supported drill program.

4.2 Climate

The nearest climate data is available from the village of Kaslo (Table-2). However, the climate of the property might be slightly different due to elevation difference. The 30-year temperature range is -6°C to 25°C whereas the average annual temperature ranges from -3°C to 18.1°C (Table-2). The average annual snowfall for Kaslo is 218 cm. Typical snow accumulations, in the six-month period, October to March, ranges from 0.8 cm to 12.4 cm with typical peak accumulations in the period of November to February (207.20 cm). However, extreme snow falls of greater than 20 cm have been recorded for March. The rainfall occurs throughout the year and ranges from 39.7mm to 80.5mm. Monthly average rainfall is lowest in January and highest in November. Exploration work such as geological mapping, prospecting, trenching, and sampling can be carried out during summer months (from May to October), whereas drilling and geophysical surveying can be done throughout the year.

Table 2: Kaslo Average Monthly Climate Data & Extremes, British Columbia Canada Climate Data

<https://www.eldoradoweather.com/canada/climate2/Kaslo.html>

Temperature:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Code
Daily Average (°C)	-3	-0.6	3	7.3	11.8	15.3	18.1	18	13.2	7.3	1.5	-2.4	7.5	A
Standard Deviation	2.3	1.9	1.4	1.1	1.3	1.3	1.5	1.4	1.7	0.9	1.9	1.9	0.8	A
Daily Maximum (°C)	0	2.9	7.5	13.2	18.2	21.6	25	25	19.3	12	4.5	0.3	12.5	A
Daily Minimum (°C)	-6	-4.2	-1.6	1.4	5.4	8.9	11.1	11	7	2.5	-1.5	-5	2.4	A
Extreme Maximum (°C)	9.4	15.6	18.5	27.8	36.7	34.4	37.8	35.6	33.9	23.9	16.7	10.6		
Date (yyyy/dd)	1953/09	1916/28	1990/31	1977/25	1936/30	1926/26	1934/28	1958/02	1967/01	1932/02	1975/04	1924/14		
Extreme Minimum (°C)	-27.2	-26.1	-21.7	-12.8	-5.6	-0.6	2.8	2.2	-17.8	-10.6	-22	-31.1		
Date (yyyy/dd)	1943/18	1933/09	1960/03	1935/01	1954/01	1943/01	1913/17+	1917/31	1912/25	1935/31	1985/28+	1968/31		
Precipitation:														
Rainfall (mm)	39.7	41	56.6	55.4	53.1	66.6	56.3	52.8	49.5	63.9	80.5	49.6	664.8	A
Snowfall (cm)	70	32.1	12.4	1.4	0	0	0	0	0	0.8	26.8	78.3	221.8	A
Precipitation (mm)	109.7	73.1	69	56.7	53.1	66.6	56.3	52.8	49.5	64.6	107.3	127.9	886.6	A
Average Snow Depth (cm)	28	25	10	0	0	0	0	0	0	0	3	17		C
Median Snow Depth (cm)	27	26	10	0	0	0	0	0	0	0	1	17		C
Snow Depth at Month-end (cm)	30	20	1	0	0	0	0	0	0	0	6	24		C
Extreme Daily Rainfall (mm)	50.3	29	44.6	50.8	26.7	38.6	37.3	41.7	46.8	43.9	55	39		
Date (yyyy/dd)	1971/29	1963/04	1993/22	1917/01	1959/17	1955/24	1913/29	1933/19	1988/16	1943/24	1990/09	1995/12		
Extreme Daily Snowfall (cm)	44.2	50.8	27.9	13	2	0	0	0	0	13.2	39	66		
Date (yyyy/dd)	1993/24	1917/02	1939/02	2000/14	1923/01	1895/01+	1894/21+	1894/01+	1894/01+	1971/31	1984/01	1980/03		
Extreme Daily Precipitation (mm)	50.3	50.8	44.6	50.8	26.7	38.6	37.3	41.7	46.8	43.9	57	66		
Date (yyyy/dd)	1971/29	1917/02	1993/22	1917/01	1959/17	1955/24	1913/29	1933/19	1988/16	1943/24	1990/09	1980/03		
Extreme Snow Depth (cm)	95	85	76	17	0	0	0	0	0	2	37	106		
Date (yyyy/dd)	1993/26	1997/01	1997/16	2000/15	1981/01+	1981/01+	1981/01+	1980/01+	1981/01+	1984/31	1984/02+	1996/30		

4.3 Local Resources and Infrastructure

The property is connected with two major towns: Nelson and Trail. These towns are located to the south of the property. Trail with a population of 7,709 ([Canada 2016 Census](#)) is 124 km south of New Denver (village closest to the property) and can be accessed via BC 6S and 3A. Nelson with a population of 10,664 ([Canada 2016 Census](#)) is 100 km and can be reached via BC 6S. Nelson is one of the three cities forming the commercial and population core of the West Kootenay region, the others being Castlegar and Trail. Teck Resources Limited has a smelter known as “Trail Operations”, which employs approximately 1,800 people, located in the community of Trail. It is one of the world's largest fully integrated zinc and lead smelting and refining complexes. The metallurgical operations produce refined zinc and lead, a variety of precious and specialty metals, chemicals, and fertilizer products.

Local economy is based on construction, forestry, fishing & mining, manufacturing, tourism, and agriculture. Various industries and related service providers are present in the area. Specialized exploration services such as drilling and geophysical survey companies are in Vancouver and Kamloops. Mining personnel are available in Kootenay region because of various mining activities, particularly big coal mining operation in east Kootenay.

Village of New Denver with a population of 473 ([Canada 2016 Census](#)) is a good location to support the needs of an exploration program. Few motels, grocery stores and dining places are available in the village. Several lakes located on the property are good source of water for exploration and mining work. The 2020 exploration work on the Property was carried out of New Denver.

4.4 Physiography

The property lies within Goat Range of the Selkirk Mountains which is part of the Columbia Mountain system. The topography of the property is rugged ranging in elevation from 1600 meters to 2800 meters above sea level (Figures 2 and 3). Slopes at lower elevations are in the order of 20 degree to 25 degree increasing to 50 degree or more near ridge crests. The crest of the Goat Range forms the drainage divide north of Kaslo River, and streams flow northeast into the Kootenay Lake drainage and southwest into the Kaslo River and Slocan River drainages. Vegetation above 1650 m is generally sparse with abundant outcrop; below 1650 m, the area has a thick cover of spruce, alder, and pine. The area is at a juvenile stage of weathering and erosion, with actively accreting scree fans at the base of all slopes.



Figure 4: General physiography of the area.

5.0 HISTORY

5.1 General History

The history of exploration in the Slocan mining dates to early twenties of eighteenth century with the discovery of a lead mineralization outcropping on the east shore of the Kootenay Lake (Blue Bell mine, Riondel). A small-scale mining operation was also conducted by Indians and Hudson's Bay Company. However, the active exploration in the area began after 1865 when gold was discovered in the Big Bend country of Columbia river. This discovery attracted many prospectors into the Kootenays. In 1868, an American prospector, Henry Doane, rediscovered and did some more work on the Blue Bell mine. He also made crude attempts to smelt the Blue Bell mineralized rocks but failed. Following the collapse of this effort, exploration activity was suspended in Slocan for years (AR19475).

In the year 1891, two prospectors, Eli Carpenter and John L. (Jack) Seaton discovered outcroppings of the Payne vein in Payne mountain and staked a claim on it. Vast amounts of galena were discovered in the Sandon area. From Kaslo, the common route into Sandon was through Kaslo and Montezuma creeks. This gave a big boost to Kaslo and changed its population from one house in 1891 to 4-5 thousand in 1892. After the galena discovery, several additional discoveries were made in and around Sandon area (Fig-5).

5.2 Property History

Exploration of the property area also dates to the late 1800s when polymetallic silver-lead-zinc veins, such as the Gold Quartz showing (082KSW032) were first discovered (Figure 3). The major discovery of gold was made in Kaslo formation at Highland Surprise Mine. The mine produced 1,617 oz gold from 5,151 tons of ore grading 0.314 oz per ton, during the period 1937 to 1941 (Maconachie, 1940). Other nearby mineral occurrences discovered during this period include: the Gold Quartz showings, the Eureka and the Solo. More recent exploration (1970 to present) efforts have been focused on the gold potential of the area.

In 1978 and 1979, Semco Mining Corp. completed programs of geological mapping, trenching and geochemical sampling on the area. In 1989, Northern Crown Mines Ltd. and Doron Explorations Inc. conducted sampling and trenching. In 1991, Minnova examined the area (<https://minfile.gov.bc.ca/Summary.aspx?minfilno=082KSW033>). Several companies were involved in exploration activities in the claim area from time to time.

R.J. Trimble and R.J. Macneill prepared a geological and geophysical report for Hi-Ridge Resources Ltd. in the year 1972. The exploration program involving geological mapping, prospecting, magnetometer surveying and diamond drilling. One diamond drill hole of 374 feet was completed on the main asbestos showing. Diamond drilling of the main showings indicates that the zone of asbestos-bearing serpentized peridotite is extremely narrow. The asbestos appears to be concentrated near a narrow pyroxenite dyke. These studies were conducted in Kaslo group.

R.J. Macneill explored the area (117-degree 09' west and 50-degree 03' north) for Pan Ocean Oil Limited in the year 1973. Geological mapping of the property shows that the claim is located on the favorable ultrabasic belt but there is no obvious sign of economic nickel or copper mineralization within the property.

Paul Brown conducted soil geochemistry for Amoco Canada Petroleum Company Limited in 1979. A total of 368 soil samples were collected. The results indicate the presence of several anomalous concentrations of gold. The strongest soil anomaly is underlain by chloritized meta-andesite which are host to infrequent visible quartz veins, and adjacent to the contact with ultramafic rocks.

D.A. Visagie prepared a soil geochemistry report for Amoco Canada Petroleum Company in 1980. A total of 135 soil I samples were taken. The results indicate the presence of several anomalous concentrations of gold. The major soil anomaly is underlain by chloritized meta-andesites. In addition to the major anomaly, several smaller anomalies were noted, which may be related to quartz veins in the chloritized mafic volcanics.

Minfile is a database of BC Ministry of Energy and Mines which contains geological, location and economic information on over 13,000 metallic, industrial mineral and coal mines, deposits, and occurrences in B.C. The BC Geological Survey (BCGS) has the mandate to compile Minfile

information by reviewing mineral assessment reports, recent publications, press releases, property file and company websites. There are six Minfile occurrences reported on the Property which are listed on Table 3, shown on Figures 2 and 3, and are discussed in the following Sections.

Table 3: List of Minfile occurrences on the Property

Minfile Name	Minfile Number	Location NAD 83 Zone 11		Commodity Sought
		Easting	Northing	
GOLD QUARTZ, GOLD QUARTZ NO. 1-9, COTTON TAIL, COTTON TAIL FR. NO. 1-2, WHITEWATER, WHITEWATER 1-3	082KSW032	491095	5546977	Silver, Gold, Lead, Zinc, Copper
BOLLINGER, WHITEWATER 1-3, PAISLEY (L.5612), WHISTLER (L.5614), CUBA (L.5609), GARNETT (L.2842), RUBY FR. (L.5820), EMERALD FR. (L.5821)	082KSW148	492884	5546604	Gold, Copper, Lead
GOLD QUARTZ RIDGE	082KSW162	490123	5548060	Gold, Silver, Copper
GOLD QUARTZ B ZONE	082KSW163	490579	5547318	Gold, Silver, Copper, Lead
TOM, TOM 3, TIM, TIP, TAM, CHRIS, OLYMPUS	082KSW139	489426	5546980	Copper

5.2.1 Gold Quartz Occurrence

The Gold Quartz prospect is situated 1 kilometre south of Mount Brennan and 1.75 kilometres northwest along strike of the Highland Surprise occurrence (082KSW037) (Figure 3). Veins are exposed in greenstone on the northeast side of a serpentinite body of the Permian Kaslo Group. The greenstones are generally more massive in character than at the nearby Highland Surprise occurrence. Near veins, the greenstone is intruded by diorite and feldspar porphyry dikes. The veins that have been the target of development strike northwesterly. Differing from the Highland Surprise occurrence, veins here contain conspicuous amounts of galena and sphalerite with pyrite and chalcopyrite. There are several veins having a northeast or easterly strike as well.

Development has occurred in two general areas. Southeast at roughly 1920 metres elevation, surface stripping exposed a quartz vein system striking 335 to 340 degrees and dipping 60 to 70 degrees east. One or two regular quartz bands vary in width from 15 to 60 centimetres, with irregular quartz stringers in between. Sulphides are disseminated in quartz veins and greenstone, with total lode width ranging from 60 to 210 centimetres. Wider quartz bands have longitudinal openings. Immediately southeast, a short adit has intersected quartz stringers with a general strike of 330 degrees. Greenstone on the footwall and hanging wall is highly sheared. The best assay from in situ sampling across 70 centimetres of narrow bands of massive pyrite and

chalcopyrite with lesser galena and sphalerite yielded 3.43 grams per tonne gold and 24 grams per tonne silver (Bulletin 7, page 45). A second vein is exposed 200 metres to the northeast. This vein strikes 325 degrees and dips 75 degrees and is traceable over 180 metres. The vein occurs in diorite for part of its length and is bordered by a feldspar porphyry dike on the hanging wall side for most of its length. Vein width varies from 10 to 120 centimetres and hosts a sulphide mineralogy consisting of pyrite, chalcopyrite, sphalerite, and galena. Albite alteration occurs locally within the vein. Samples yielded poorer gold and silver contents than the previous vein.

About 600 metres to the northwest, a series of quartz veins and stringers are hosted in massive and sheared greenstones. Shears strike 130 degrees and dip 60 degrees southwest. The greenstone is highly chlorite altered. Total width of the zone is as much as 9 metres. An adit was driven on the westernmost of these veins. North of the adit, a series of open cuts exposes quartz in schistose greenstone. Shears strike 340 degrees and dip steeply southeast. There is a diorite body immediately to the east. Open cuts expose weakly pyrite-bearing quartz. Calcite is also locally present in veins. The best sample yielded 6.8 grams per tonne gold and trace silver over 145 centimetres (Bulletin 7, page 47). At this location, a feldspar porphyry dike lies in the diorite and is well exposed for over 60 metres.

Property exploration covering the Gold Quartz occurrence area has been conducted intermittently from the 1960s to 1980s. Numerous trenches and pits have explored the surface exposure of the shear known to host mineralization of the Gold Quartz occurrence. Several rock samples were taken from near the portal to the main adit of the southeast group in 1987. Sample MR-54 yielded 0.37 gram per tonne gold and 3.10 grams per tonne silver (Assessment Report 19475). The chip sample was taken across 1.6 metres of semi-massive andesite with 40 per cent quartz stringers, hosting 4 per cent fine-grained sulphides. Similarly, Sample SH-61 taken across 1 metre of outcrop beside the adit yielded 0.73 gram per tonne gold and 8.10 grams per tonne silver (Assessment Report 19475).

5.2.2 Bollinger Occurrence

The Bollinger occurrence is located 1.25 kilometres northeast of the Highland Surprise (082KSW037), some 29 kilometres northwest of Kaslo, British Columbia (Figure 3). The main lithologies of the area are assigned to the Permian Kaslo Group, consisting of andesite flows, pyroclastics and tuffaceous sediments. The volcanics and sediments are generally oriented 320 degrees and the contact between these two units has a strike of 350 degrees. Serpentinite is the most extensive rock type exposed in this area, forming northwesterly trending bands with steep southwest dips, and extending up to 750 metres in width. Talc and asbestos are common alteration minerals associated with this serpentinite unit. The contact between the serpentinite and surrounding lithologies is faulted. This faulted contact has a strike of 350 degrees and a steep westerly dip. The surface trace of this fault can be traced for several kilometres. Underground, this fault is marked by a heavy talc gouge. Dikes and sills in the area are dioritic and feldspar porphyry. Quartz veins are common throughout, and the showing is reported to consist of gold,

copper, and lead mineralization in a quartz vein (Minister of Mines Annual Report 1901 and Geological Survey of Canada Open File 464).

5.2.3 Gold Quartz Ridge Occurrence

The Gold Quartz Ridge prospect is located 1 kilometre west of Mount Brennan and 1.5 kilometres northwest of the historic Gold Quartz showing (082KSW032) (Figure 3). The Gold Quartz Ridge prospect is also underlain by andesite flows, breccias and pillow andesite of the Permian Kaslo Group. The andesites are porphyritic with up to 5 per cent hornblende phenocrysts and locally feldspar phenocrysts in a fine grained chloritic groundmass.

The Gold Quartz Ridge prospect is crisscrossed with numerous felsic dikes and shear zones with associated quartz veins. Felsic dikes range from 1 to 2 metres width with trace to 4 per cent disseminated pyrite. Quartz stringers are also common. Shears range from 10 centimetres up to 4 metres wide. The shears generally envelop a sinuous quartz vein or stringers. Gold mineralization is restricted to quartz veining. The best assay results occur where shears intersect felsic dikes with quartz flooding and sulphide content increase.

Sample SH-28, a 30-centimetre chip sample, was taken across the intersection of a shear with a quartz vein and a felsic dike. The vein contained 1 per cent disseminated pyrite and chalcopyrite. The strike of the vein was 060 degrees. Assay results yielded 1.74 grams per tonne gold and 43.0 grams per tonne silver (Assessment Report 19475). Another sample, Sample SH-25, taken 200 metres to the east-northeast along the same shear yielded 1.05 grams per tonne gold and 14.3 grams per tonne silver (Assessment Report 19475). A third sample, Sample SH-35, yielded 1.70 grams per tonne gold and 21.0 grams per tonne silver (Assessment Report 19475).

5.2.4 Gold Quartz B Zone

The Gold Quartz B Zone prospect is located 1 kilometre southwest of Mount Brennan and 600 metres northwest of the historic Gold Quartz showing (082KSW032) (Figure 3). The Gold Quartz B Zone prospect is underlain by andesite flows, breccias and pillow andesite of the Permian Kaslo Group. The prospect consists of a weakly sinuous shear-alteration zone up to 5 metres wide, with associated quartz veining. Massive quartz veins and quartz stockworks pinch and swell from 0.4 to 2.0 metres wide within the central part of the shear. Mineralization consists of up to 5 per cent pyrite, chalcopyrite, and galena, generally concentrated along vein walls. Feldspar porphyry dikes are occasionally found adjacent to the shear zone. The shear zone strikes 160 degrees and dips steeply to the southwest. Surface trace of the shear zone extends to 300 metres.

Trenching and sampling has been conducted across this shear zone with the following assay results. Sample MR-18, from Trench 2, yielded 7.92 grams per tonne gold and 83.0 grams per tonne silver (Assessment Report 19475). The sample was a 0.4-metre chip sample across the most mineralized part of the vein. Mineralization consisted of 2 to 3 per cent pyrite and minor chalcopyrite in quartz, minor carbonate, and chlorite. The strike of the vein is 160 degrees and

dips 76 degrees southwest. Sample SH-12, taken immediately to the south, yielded 3.52 grams per tonne gold and 1.54 grams per tonne silver (Assessment Report 19475). A third sample, Sample SH-23, taken 250 metres to the south yielded 5.84 grams per tonne and 81.0 grams per tonne silver (Assessment Report 19475).

5.2.5 Tom 3 Occurrence

The Tom 3 showing is located near the headwaters of Whitewater Creek, approximately 3 kilometres southwest of Whitewater Mountain (Figure 3). Copper is known to occur in chlorite biotite schist, restricted to areas where shears or faults intersect the serpentinite. The Tom 3 showing comprises one such occurrence. A 33-metre chip sample of this material along strike of the copper zone yielded assay values of 1.86 per cent copper (Assessment Report 3926).

6.0 GEOLOGICAL SETTING AND MINERALIZATION

6.1 Regional Geology

The southeast British Columbia comprises four structural-tectonic domains which from east to west are (Fig-5)

- The Rocky Mountain-Foreland Fold and Thrust Belt
- Purcell Anticlinorium
- The Kootenay Arc
- The Shuswap Metamorphic complex

The claim area occurs in the southern part of the Goat Range of eastern Selkirk Mountains which lies within the Kootenay Arc terrane, considered as a part of the North American continental margin, at least by Late Mississippian time. The Kootenay Arc lies to the west of the Purcell Anticlinorium and is characterized by an increase in metamorphic grade and complexity of deformation, and a decrease in stratigraphic age (Warren, 1997). It is a curving belt of complexly deformed sedimentary, volcanic, and metamorphic rocks. It extends southeasterly from Revelstoke, to Kootenay Lake and then southerly into the United States. It consists of lower Paleozoic and Mesozoic rocks on the west flank of the Purcell Anticlinorium. The limestone, dolomite, clastic sedimentary rocks and volcanic rocks of Paleozoic and early Mesozoic age in the arc were intensely deformed during early Paleozoic and Middle Jurassic time (Read and Wheeler, 1976; Parrish and Wheeler, 1983; Archibald et al., 1983).

The stratigraphic sequence in Kootenay Arc include Purcell Supergroup (1500 Ma to 1350 Ma), Windermere Supergroup (Upper Proterozoic, 827-918 Ma) of clastic sedimentary and volcanic rocks, Hamil Group (Cambrian), Reeves Limestone and Badshot Formation (Lower Cambrian), Lardeau Group (Lower Cambrian), Milford Group (Upper Mississippian to Lower Pennsylvanian), Kaslo Group (Permian age), Slocan and Ymir groups (Upper Triassic) and Rossland Group (Lower Jurassic) (Figure 6).

The best account of the stratigraphy of the Goat Range is given by D.W. Klepacki in his dissertation and published papers (see reference section). The Groups, Formations and Members with their ages and brief lithologies are shown are shown in Figure 6. A brief description of these units is described in the following section.

6.1.1 Hammil Group

The lowest part of the stratigraphic section in the area is represented by Hammil Group which crops out in the southeastern part of Goat mountain. This group consists of medium to fine grained white and gray micaceous quartzite and quartz pebble conglomerate. Greenstone, mafic volcanic rocks, muscovite-biotite quartzofelspathic gneiss also occur in places. The sediments in the group were deposited in the continental margin environments whereas mafic volcanics are

interpreted as rift-related volcanic. The group is of Lower Cambrian age and disconformably overlies Windermere strata.

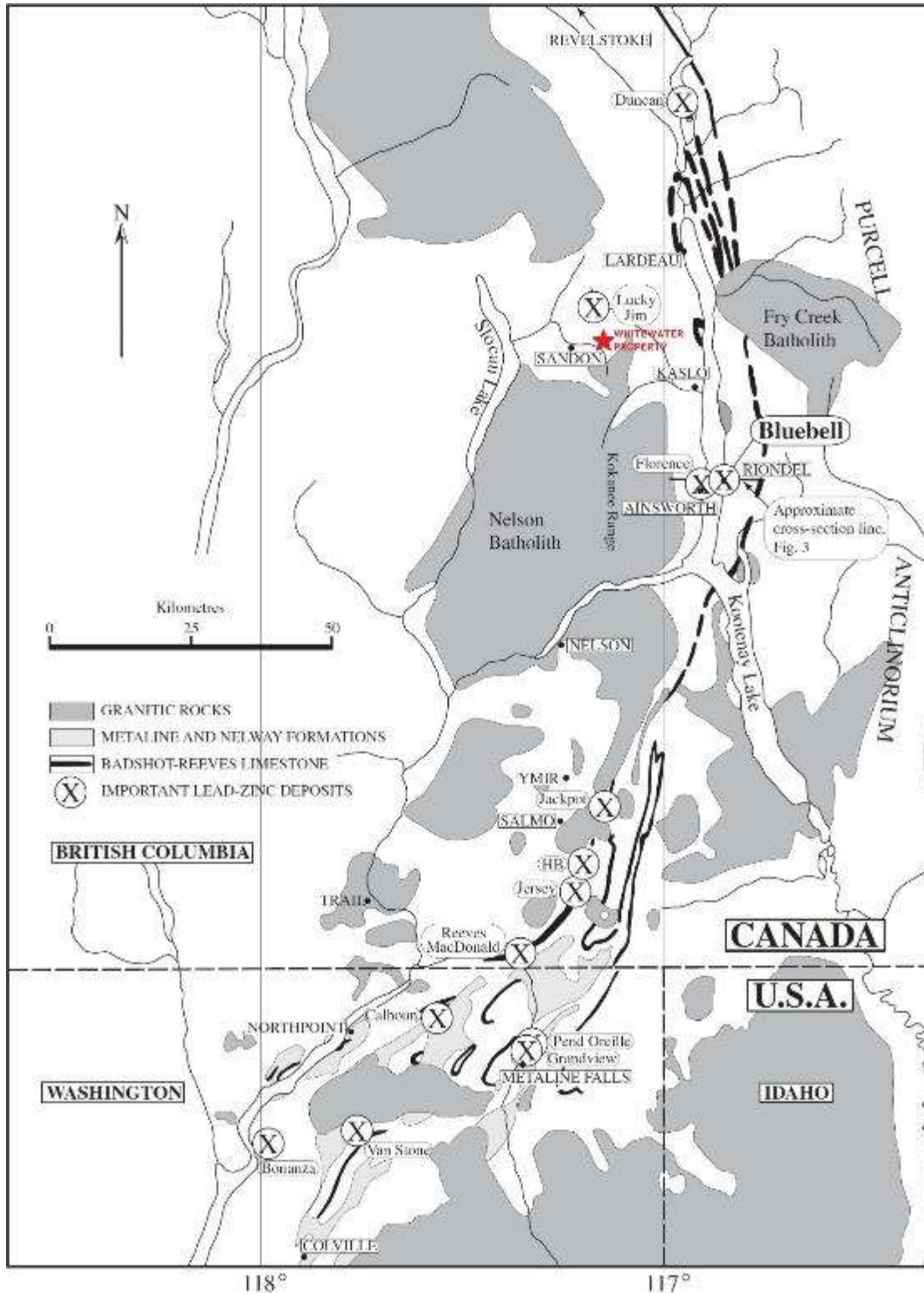


Figure 5: Regional Geological Map of Kootenay Arc British Columbia (After Fyles 1970)

6.1.1.1 *Badshot-Mohican Formation*

The outcrops of Badshot-Mohican Formation were mapped as one unit in Goat Range and occur along the shoreline of Kootenay Lake, three kilometers north of Kaslo. The formation comprises grey and white crystalline marble interlayered with calcite-plagioclase-diopside-amphibole-quartz gneiss and quartz-plagioclase-muscovite-biotite gneiss. These carbonate rocks are interpreted as shallow water, subtidal carbonate deposits with local archeocyathid-bearing bioherms. The upper contact with Lardeau Group is conformable. A Lower Cambrian age is assigned to the Formation.

6.1.2 Lardeau Group

The group is divided into three formations which, from oldest to youngest are Index Formation, Jowett Formation and Broadview Formation.

6.1.2.1 *Index Formation*

It crops out on the eastern side of the Blue Ridge and consists of basal green to grey calc-silicate gneiss and schist interlayered with mica schist and gneiss commonly containing garnet. Reddish brown weathering impure marble pods are common in basal part which is overlain by rusty weathering dark gray mica schist and gneiss that also commonly contain garnet. The upper contact of Index Formation is gradational. The age of the Index Formation is lower Paleozoic and likely Lower Cambrian.

6.1.2.2 *Jowett Formation*

The Jowett Formation in Goat Range is mapped in the south of Schroeder Creek, headwaters of Shutty Creek and south slope of Mount Buchanan. The formation consists of quartz-chlorite-plagioclase schist, phyllite, amphibole-quartz-plagioclase greenstone, pillow lavas, and interbedded chlorite phyllite, grey mica phyllite and pyritic quartzite. The composition of pillow lava is a quartz-normative tholeiite. The upper contact with Broadview Formation is gradational. The age of the formation is lower Paleozoic and probably Cambrian to Ordovician.

6.1.2.3 *Broadview Formation*

This formation is mapped in the north of Milford Peak, west of the spyglass and Schroeder faults and in the core of the northern segment of the Dryden anticline. The formation consists of grey to slightly rusty weathering quartz-muscovite-biotite garnet schist, calcareous schist, quartzite and grit with secondary chlorite and muscovite, and rare plagioclase, quartz pebble conglomerate and quartz-muscovite-chlorite phyllites. The lower contact is gradational and the upper contact with Milford Group is an angular unconformity. Lower to Middle Ordovician age is assigned to this formation.

6.1.3 Milford Group

The group is exposed along the eastern slope of the Goat Range and in general, consist of a basal limestone and argillaceous limestone sequence overlain by siliceous argillites, meta sandstones, cherty tuff, and volcanic rocks. Three assemblages are identified in Milford Group.

6.1.3.1 *Davis Assemblage*

This assemblage consists, in ascending stratigraphic order, of: rare basal quartz-pebble conglomerate, blue-grey and light to dark grey fine-grained, thin bedded limestone, interbedded silvery grey phyllite, grey limestone and, thin bedded metasandstone, quartz rich cherty tuff and local phyllitic greenstone, overlain by grey siliceous argillite. The Davis assemblage is Late Mississippian (Early Namurian) in age. The limestone member unconformably overlies the Lardeau Group although the contact in most places is a fault.

6.1.3.2 *Keen Creek Assemblage*

Rusty-weathering, matrix-supported, quartz-pebble conglomerate form the basal member of Keen Creek assemblage. It is followed by Tholeiitic pillow basalt, massive greenstone, and amphibolite with epidote-quartz veinlets of Lower Volcanic Member, which in turn are overlain by light and dark grey banded limestone of Banded Limestone Member. Tholeiitic pillow lava, grey and green phyllite, and green amphibolite of the upper volcanic member overlies the banded limestone member. A heterogeneous unit of quartz-biotite-plagioclase-amphibole schist, calc-schist, amphibole- and biotite-rich metasandstone, metaconglomerate and pillowed amphibolite are interbedded with limestone in the upper part of the assemblage.

The assemblage rests unconformably on the Broadview Formation and is Upper Mississippian (Early Namurian) to Lower Pennsylvanian (Late Namurian) in age.

6.1.3.3 *McHardy Assemblage*

The McHardy assemblage, consists of, in ascending stratigraphic order, calcareous phyllite and argillaceous marble (dark grey tremolitic limestone, dark grey siliceous phyllite and grey quartz-plagioclase-carbonate-mineral-mica schist), tuffaceous metasandstone, (pink to light grey, sandy weathering, bedded), conglomerate (metamorphosed with granule- to boulder-sized clasts and grey metasandstone), limestone and marble (White to grey marble, fossiliferous limestone, black and grey), and siliceous argillite with lenses of volcanic rock (dark to medium grey and green, dense). Siliceous argillite is the dominant lithology in the outcrops. Hardy assemblage is also distinguished by numerous dykes and sills of hornblende diorite porphyry which feed overlying volcanic rocks. The assemblage is Late Mississippian or older in age and conformably overlies the Kaslo Group.

6.1.4 Kaslo Group

The Kaslo Group is best developed along the Blue Ridge from Mount Dryden south to Mount Jardine. This group is described in the Property Geology (Section 6.3).

6.1.5 Slocan Group

The Slocan Group is the youngest sedimentary sequence in the Goat Range and crops out in Poplar Creek area, Mount Cooper to Kembang Creek and along both sides of highway 31A in the Property Area. This group is described in the Property Geology (Section 6.3).

6.1.6 Intrusive Rocks

Intrusive rocks are common in the Goat Range and include dykes, sills and stocks of diorite, gabbro, granitic rocks, and rare lamprophyre. The major intrusive rocks in the area are: synvolcanic diorite, syntectonic diorite, and granitic rocks. The basic intrusive rocks occur throughout the Goat Range whereas large discordant bodies of granitic rocks are present in the northwestern part of the area. The oldest intrusive rocks are reported from the Lardeau group but are very thin and discontinuous. Younger dioritic rocks are related to three plutonic events: 1) Intrusion of the Early to Middle Permian and Carboniferous Kane Creek Diorite (synvolcanic), 2) Intrusion of the Late Permian to Middle Triassic Whitewater Diorite (syntectonic diorite), and 3) Intrusion of the younger early Mesozoic Davis Ridge Diorite. All these diorites are hornblende bearing and have a chemical composition of gabbro (contains less than 50 percent silica and its normative plagioclase is greater than 50 percent anorthite). Granitic rocks are Jurassic and (?) older in age and comprise the Kaslo River, Kuskanax and Blue Ridge Intrusive rocks. Lamprophyre dykes are possibly Eocene in age.

6.1.6.1 Kane Creek Diorite

It is extensively exposed in the headwaters of Kane Creek. Large bodies occur at Mount Cooper and southeast of Mount McHardy. It consists of greenish grey, medium- to fine grained foliated hornblende diorite porphyry, microdiorite greenstone and plagioclase-porphyroblastic chlorite schist dykes. It commonly contains ductile shear zones, mineralized quartz epidote ± carbonate veins, and breccia with mineralized fractures. Glomerophyric hornblende is common but not ubiquitous. The Kane Creek Diorite consists of actinolite hornblende (30-50 percent) and altered plagioclase (20-35 percent) phenocrysts set in a matrix of amphibole-albitic plagioclase-epidote-chlorite-sphene. Dykes of Kane Creek diorite can be traced into tholeiitic volcanics of the McHardy assemblage and the Kaslo Group. It is considered, therefore, to be of Permian and (?) Carboniferous age. The Kane Creek Diorite is distinguished from the similar Whitewater Diorite by its ophitic texture and distinctly greater color index (35-60 percent) and "dusty" appearance of its hornblende porphyry phase).

6.1.6.2 *Whitewater Diorite*

The unit is best exposed at Whitewater Mountain on the property where it is cutting the Whitewater Fault and overlying Kaslo volcanics. The other mappable locations include Three Grizzlies Stock, on southeastern slope of Mount Brennan and Mount Jardin area. Whitewater Diorite is difficult to distinguish from Kane Creek Diorite where crosscutting relationships or glomerophytic textures characteristic of the Kane Creek Diorite are lacking. Whitewater diorite is medium- to coarse-grained, equigranular, and exhibits a lower color index than Kane Creek Diorite. Locally Whitewater diorite is intensely sheared with fine grained, mylonite-like ductile shear zones which suggest syntectonic emplacement. In general, the Whitewater Diorite consists of phenocrysts of coarse-grained actinolitic hornblende with fine-grained (0.1 mm) plagioclase inclusions and phenocrysts of coarse-grained plagioclase altered to albite-epidote-white mica and rare amphibole. North of Marten Mountain, it includes large xenoliths of serpentinite and volcanics, including a body with the serpentinite-volcanic contact, interpreted as representing the Whitewater Fault. Because the Whitewater diorite intrudes the Kaslo Group of Lower Permian and (?)Carboniferous age and is unconformably overlain by the Marten conglomerate of Lower Permian age, the age of the diorite is Early Permian. The Whitewater diorite is restricted to the McHardy assemblage and the Kaslo Group.

6.1.6.3 *Davis Ridge Diorite*

Several large mafic sills and dykes are present on the southern ridge of Mount Davis and are called the Davis Ridge Diorite. It consists of coarse-grained phenocrysts of altered pyroxene and plagioclase set in a fine-grained matrix. The Davis Ridge Diorite intrudes rocks as young as the Upper Triassic Slocan Group.

6.1.6.4 *Kaslo River Intrusive Rocks, Blue Ridge Intrusive Rocks and Kuskanax Batholith*

These are the other intrusive units identified in the region. The Granitic rocks in these intrusions generally consist of hornblende and/or biotite granite and leucogranite, aegerine granite, and feldspar porphyry plugs and dykes. The age of these granites is Middle Jurassic.

The Kaslo River Intrusive Rocks consist of blocky, medium-grained light brown to light grey rocks that are generally rusty. Oligoclase or andesine plagioclase and slightly less microcline constitute 75 percent of the rock. Mafic components form less than 10 percent of the rock and consist of hornblende and minor biotite.

Blue Ridge intrusives are Light colored felsite dykes and leucogranite and occur along the southeast of Kane Creek.

Kuskanax Batholith is characterized by fine- to medium-grained light-coloured to pinkish, mainly equigranular leucogranite, leucocratic quartz monzonite and syenite with characteristic lens-shaped mafic clots.

6.1.6.5 Lamprophyre Dykes

The lamprophyre dykes are reported from near headwaters of Kane Creek as well as 5km north of Wilson and Keen Creeks junction. Several dikes were observed within the Property area and Hedley (1945, p. 15) noted these dykes in white water mine too. The unfoliated dyke consists of medium-grained augite phenocrysts set in a dark grey, fine-grained matrix that contains biotite and feldspar. In thin section the rock from Kane Creek consists of phenocrysts of zoned biotite (50 percent), slightly perthitic potash feldspar (10 percent) and euhedral apatite (15 percent) set in a matrix of carbonate and opaque minerals (25 percent). The dykes are correlated with the Eocene lamprophyre dykes farther west.

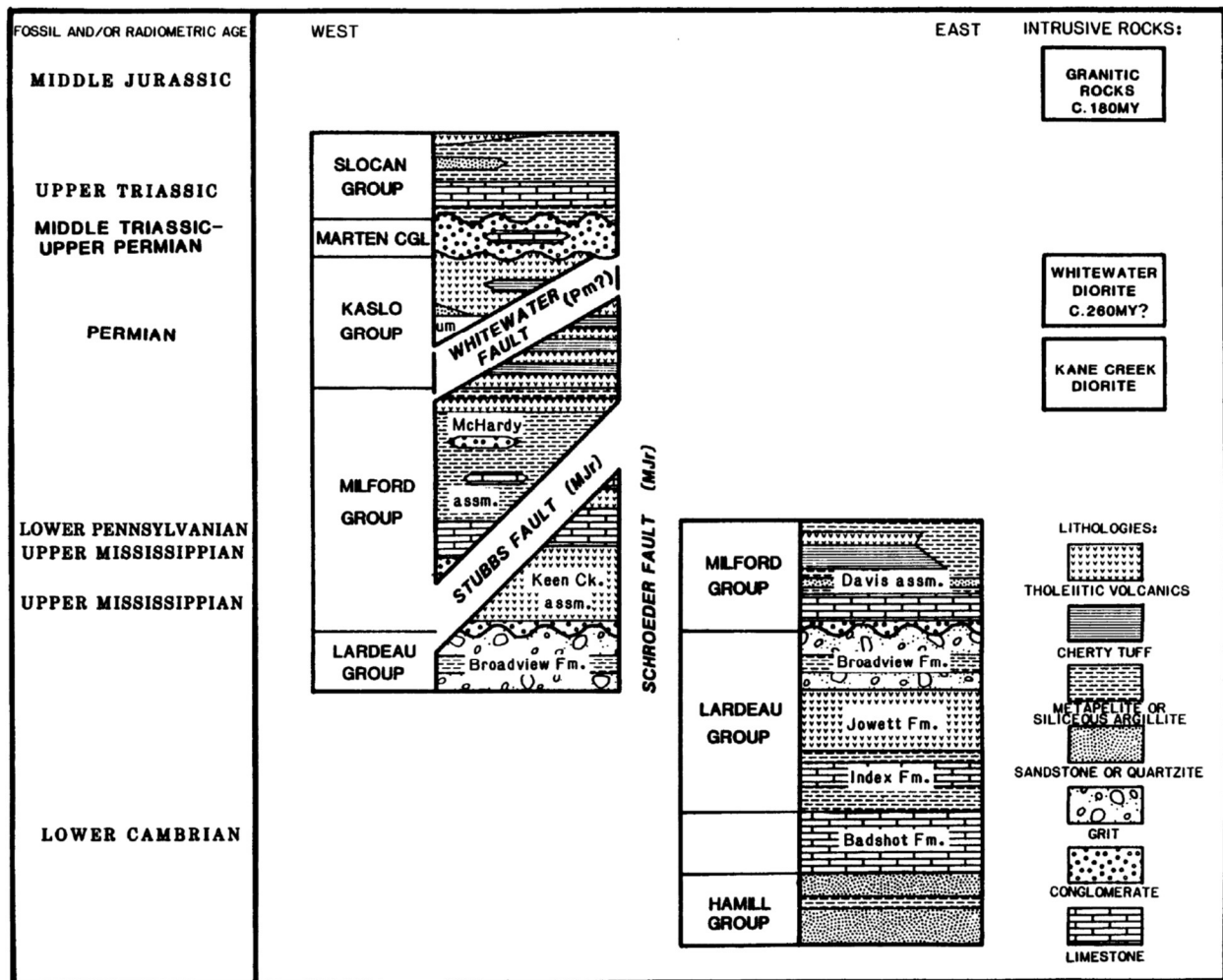


Figure 6: Generalized stratigraphy of the Goat Range (Klepacki,1985)

6.2 Structural Geology

Regional Structural geology of Goat Range is described in detail by Klepacki, D. W. and Wheeler, J.O in their publication "Klepacki, D. W. and Wheeler, J.O., Stratigraphic and structural relations of the Milford, Kaslo and Slocan groups, Goat Range, Lardeau and Nelson map areas, British

Columbia; in Current Research, Part A, Geological Survey of Canada, Paper 85-1A, p. 277-286, 198.5)". This section is taken from the publication.

6.2.1 Major structures and deformation

The distribution of Mississippian and younger rocks in the area is controlled by four major structures: Whitewater Fault, Stubbs Fault, Dryden Anticline, and Schroeder Fault. Pre-Mississippian rocks experienced additional deformation not associated with these structures. This earlier deformation is manifested as thrust faults and a pre-Mississippian foliation probably associated with folding. Northwest of Mount Cooper, two foliations are present in Broadview Formation of Lardeau Group, whereas only one occurs in the overlying Keen Creek assemblage of Milford Group. Pebbles of quartzite in basal conglomerate of Keen Creek assemblage are stretched along the foliation associated with the Dryden Anticline. This foliation is present as crenulation cleavage in the underlying Broadview Formation. Southeast and east of Mount Buchanan, structurally upright marble, and overlying Jowett Formation volcanics lie structurally on top of Broadview Formation in apparent thrust contact. The thrust fault is interpreted to lie at the base of the marble and volcanics and is locally truncated by the overlying Milford Group indicating pre-Upper Mississippian thrusting.

6.2.1.1 Whitewater Fault

The Whitewater Fault occurs at the base of Kaslo Group ultramafic unit and repeats the volcanic stratigraphy. Where exposed, the Whitewater Fault is a shear zone that is folded by folds associated with the Dryden Anticline. The Whitewater Fault cuts the Kaslo Group lower plate units, requiring the age of displacement to be younger than those Lower Permian and Carboniferous strata. The Whitewater Fault is plugged by the Whitewater diorite, which not only truncates the fault but has a large xenolith containing part of the Whitewater Fault. Northwest of Marten Mountain, Whitewater diorite is overlain unconformably by the Lower Permian Marten conglomerate indicating an Early Permian age of movement along the fault.

6.2.1.2 Dryden Anticline

The first folding episode recognized in rocks younger than Mississippian generated the Dryden Anticline. The axial surface of Dryden Anticline is cut off by McKian Creek Stock, and can be traced south to the Mount Buchanan area where it is apparently truncated by a thrust fault in the McHardy assemblage. These truncations and regional considerations (Read and Wheeler, 1976) suggest the Dryden Anticline was generated during the Middle Jurassic Columbian Orogeny.

The axial surface of Dryden Anticline is mostly steeply to moderately inclined to the southwest although it locally dips northeast due to interference of younger structures. In the northwest the fold plunges southeast at 15 degrees and in the southeast, it plunges northwest at approximately 8 degrees. The Dryden Anticline thus forms a saddle-shaped structure with the depression occurring near the "elbow" bend of structural trends northwest of Mount Buchanan.

6.2.1.3 *Stubbs Fault*

The McHardy assemblage and Kaslo and Slocan groups have apparently been thrust onto the Keen Creek assemblage along the Stubbs Fault. The fault is well exposed on the northern flank of Mount Stubbs where the underlying upright, east-dipping limestone of Keen Creek assemblage becomes overturned to the east, suggesting east-directed movement along the fault. The Stubbs Fault, as well as the Whitewater Fault, is folded by the Dryden Anticline. However, the Stubbs Fault also cuts folds associated with the Dryden Anticline, suggesting synchronism of folding and faulting. The Stubbs Fault is plugged by Middle Jurassic granites of Kuskanax Batholith affinity.

6.2.1.4 *Schroeder Fault*

The Schroeder Fault juxtaposes the east limb of the Dryden Anticline against the west facing Lardeau Group and Davis assemblage. The Schroeder Fault has significant normal movement as it places Upper Triassic Slocan Group against Upper Mississippian Davis assemblage of Milford Group. Because the Schroeder Fault cuts Dryden Anticline structures, which apparently formed during the height of regional metamorphism, the faulting is post metamorphic, similar to faults in the Ainsworth area. South of Mount Buchanan, the Schroeder Fault splays into the Josephine and Lakeshore faults of the Ainsworth area. Northeast of Mount Cooper, the Schroeder Fault is plugged by a leucogranite stock of Kuskanax batholith affinity, thus reflecting pre- Middle Jurassic normal faulting northwest of Kootenay Lake.

6.2.1.5 *Other fold phases*

Two additional fold phases postdate the Dryden Anticline. Both phases are southerly plunging, westerly verging, and locally conjugate. The earlier phase has southeasterly striking axial surfaces and moderately plunging axes. The Whitewater drag fold, near Retallack, is of this relative age. The absolute age of this event is uncertain.

The later phase is only locally well developed. Axial surfaces strike south to southwesterly and folds plunge moderately to steeply south and verge to the west. Slip-cleavage surfaces forming secondary foliation are locally developed, especially along Wilson Creek southwest of Marten Mountain and near the bend in regional structural trends north of Mount Buchanan where later folds are associated with southwesterly trending faults. The age of this event is also uncertain except that the faults near the bend in structural trends postdate the Schroeder Fault and are possibly younger than Middle Jurassic. Interference relationships of these two later fold phases are exposed in outcrops of Slocan Group grey phyllite about 13 km along highway 31 A, west of Kaslo village.

6.2.1.6 *Late faulting*

Moderately to steeply dipping faults with clay gouge zones are exposed along the eastern margin of the study area. Displacement along these faults is unknown but cannot be significant because the overall sequence of major rock units is not interrupted by these features. Granitic dykes are

broken and warped in drag folds suggesting right-lateral movement along a fault in Davis assemblage 4.5 km east of Mount Cooper. These dykes are correlated with the Middle Jurassic granitic plutonism, so these faults are post-Middle Jurassic

6.3 Property Geology

This section describes the property geology including some adjacent areas. The geological information in this section are based on data compiled from different sources and the field investigations conducted in August 2020 for Traction Exploration Inc. The property is underlain by the rocks of Kaslo group and Slocan Group (Fig-7). Other formations referred in this section and surrounding the claim area described in detail in regional geology section.

6.3.1 Kaslo Group

The Kaslo Group is widely exposed and covers a major portion in the northern block of the property. It consists of Mafic volcanic rocks, serpentinite, intrusives, and associated sedimentary rocks. The Whitewater Fault occurs at the base of the ultramafic unit and divide the Kaslo Group into upper and lower plates. The Kaslo Group is Permian in age and conformably overlies the siliceous argillite member of the McHardy assemblage.

6.3.1.1 Lower Plate Sequence (PKv)

It comprises three members which in ascending order are Lower Volcanic Member, Sedimentary Members and Upper Volcanic Member. Lower Volcanic Member consists of dark green pillow lava, massive flows, flow and pillow breccia and tuffaceous greenstone. Feldspar porphyry dykes cutting the volcanic stratigraphy, ranging from 1-5 metres in thickness are noted in Highland Surprise Mine. Green, grey, and white laminated cherty tuff, purplish-grey siliceous argillite, quartz veins and greywacke and conglomerate constitute the sedimentary Member in the lower plate sequence. Tholeiitic pyroxene-plagioclase porphyritic pillow lava and breccia, greenstone, and chlorite phyllite constitute the Upper Volcanic Member. The volcanic members appear as a regionally homogeneous and is generally described as massive greenstone sequence. Localized alteration of the greenstone has produced a chlorite-biotite schist assemblage. Foliation is parallel to the nearby contact with mafic rocks suggesting movement during or after intrusion.

6.3.1.2 Upper Plate Sequence (Pkub)

The sequence is floored by the ultramafic unit, consisting of orange- dark green or white-weathering olive-green to black and mottled dark green serpentinite, and light green talc-carbonate schist. Serpentinite breccia, with angular to rounded clasts of serpentinite is common. The sedimentary Member overlies ultramafic member and comprises green, white, and dark grey cherty tuff, brown and grey wacke, and conglomerate with clasts of volcanic rocks, diorite, serpentinite, and chert. The upper volcanic Member comprises tholeiitic basalt flows and pillow lava, pillow, and greenstone breccias and green tuff. The most pronounced alteration of the

peridotite is serpentinization. The degree of serpentinization varies from the footwall to the hanging wall. Localized, intense alteration, including the formation of talc-carbonate schist, is attributed to the thermal metamorphism related to shear zones transecting the ultramafic. Near the contact the serpentinization grades from moderate to intense.

6.3.2 Slocan Group

The Slocan Group is the youngest sedimentary sequence in the Property area and crops out on southwest and northeast side of the Whitewater North Block. The Schroeder fault places phyllite of the Slocan Group against siliceous argillite member of the Davis assemblage. The Slocan Group consists of thick sequence of grey to dark grey phyllite and slate which constitute most of the Slocan Group in the Goat Range area. The phyllite and slate is mostly massive, but bedding is locally present and defined by dark colour bands, sandy and calcareous layers, and bands that weather into differential relief because of slight compositional variations. Bedding varies from a few millimeters to about 4 meters (13 ft) thick and beds 2-8 cm (0.8-3.1 in) thick are most common. It is locally rhythmically bedded with grey to black microcrystalline limestone, limestone arenite, and minor grey quartzite and white quartz veins. Limestone beds are up to 20 meters thick, although most are only a few centimeters thick. Porphyritic mica lamprophyre is encountered in the Whitewater mine (Hedley, 1945).

The Slocan Group rests with slight angular unconformity on the Marten conglomerate. The age of the Slocan Group is Late Triassic (Carnian-Norian).

6.3.3 Intrusive Rocks

The intrusive rocks in the area include diorite and granite. Two major types of diorites occur in the area: synvolcanic, fine grained hornblende diorite (Keen Creek Diorite) and syntectonic, coarse grained hornblende diorite (White water Diorite). Synvolcanic diorite is generally found in the Kaslo Group and appear to be feeders to the volcanic pile. The syntectonic Whitewater diorite is medium to coarse grained equigranular diorite with a lower colour index than the feeder diorite. It often displays glomerophyric texture. These intrusives are Early Permian or older in age (Klepcki, 1983; Klepcki et al, 1985).

Granitic rocks consist of hornblende-feldspar and feldspar (albite) porphyry dykes. The dykes post-date the major folding event and appear to have been emplaced along the axial plane fabric of the Dryden Anticline.

6.3.4 Metamorphism

All rock units exposed on the property have undergone some degree of regional metamorphism. The most extensive metamorphism, locally to amphibolite grade, is tentatively correlated with the second deformation event which is responsible for northwesterly oriented folds.

The Kaslo Group has been subjected to two periods of low-grade metamorphism. The first is an early spilitic alteration which albitized the Kaslo volcanic rocks. The second period is a regional event where the Kaslo volcanics are subjected to low grade greenschist metamorphism during the Jurassic. The common mineral assemblage developed in these volcanic rocks is albite-epidote- actinolite+ chlorite. Additional alteration is evident on the Property, but it is thought to be of a hydrothermal origin related to the mineralizing process. This assemblage includes quartz, albite, iron carbonate and biotite and is commonly spatially associated with felsic dyking.

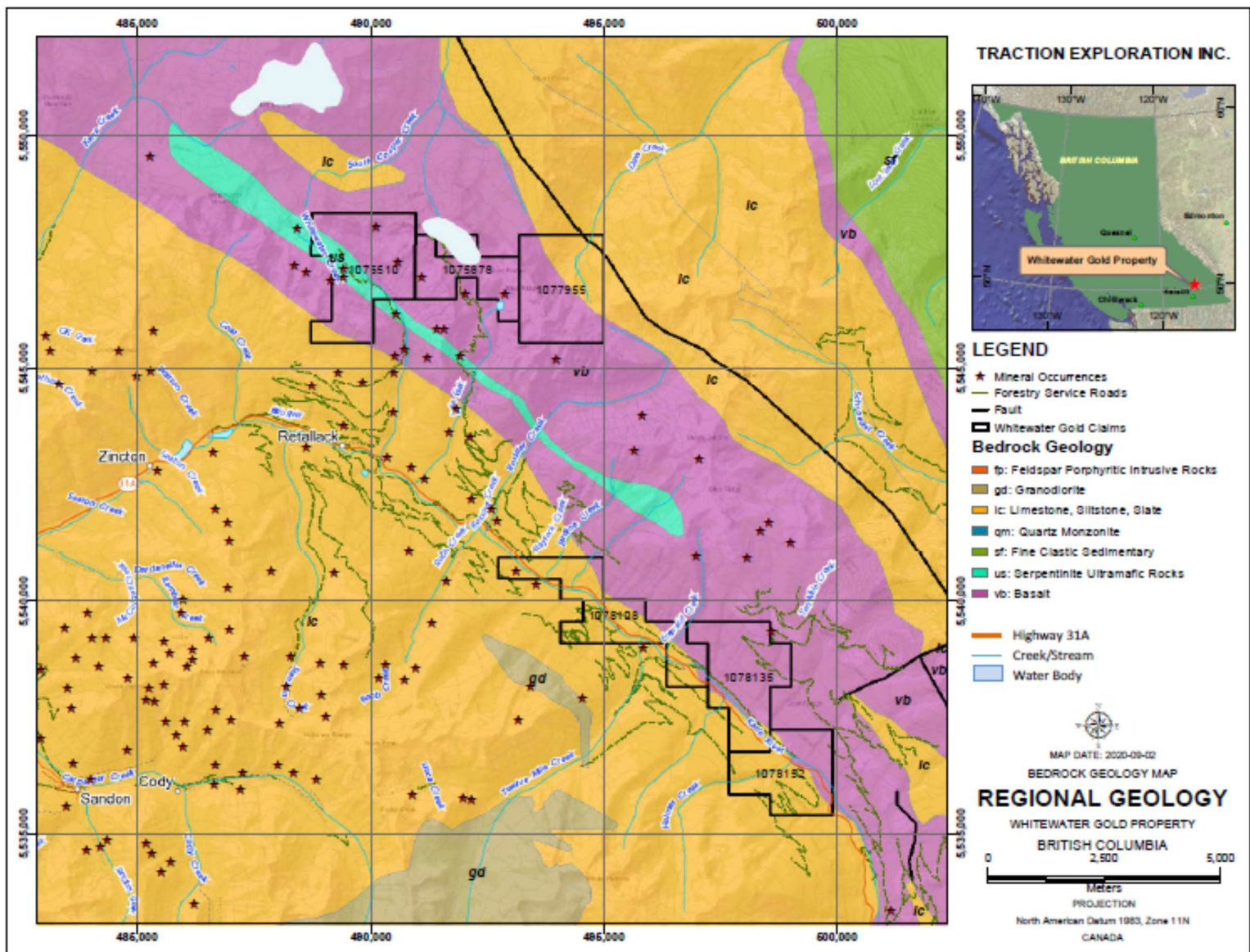


Figure 7: Geological map of Property area.

6.4 Mineralization

The area is known for silver, lead, zinc, and gold mineralization. Mineralization occurs in the rocks of Slocan group and Kaslo group. Slocan group host most of the sulphide mineralization within and in the adjacent areas of the Property. These areas were extensively mined in the past, particularly in the Slocan group. The lode in Slocan group is hosted by carbonaceous slates, slaty argillites, impure limestones, and a few quartzite beds. Most of the Slocan camp mineralization is of the vein type with few of the deposits displaying replacement of the wall rock. Mineralization consists of galena and sphalerite with minor tetrahedrite and trace pyrite and chalcopyrite.

Mineralization in the rocks of Kaslo group is generally reported from the areas, north of Retallack. Quartz veins within the volcanic member of Kaslo Group commonly host mineralization. The veins are composed of quartz and calcite gangue which contains gold-bearing sulphides. The sulphides are principally pyrite and chalcopyrite. Highland Surprise Mine located near the North block of property produced gold from Kaslo Group. Several other prospects are identified in North block in the past. These include Gold Quartz Ridge, Gold Quartz B-zone, Gold Quartz, Tom, Tom 3, and Bollinger (Fig. 3).

7.0 DEPOSIT TYPES

Slocan Mining district is known, mainly for silver bearing deposits, although lead and, zinc is also of primary importance. High gold values occur in few localities. These deposits are referred to as “dry ore deposits” whereas mineralization with silver, lead and zinc constitute the “wet ore deposits”. The principal valuable minerals are argentiferous galena, argentiferous grey copper (silver-bearing tetrahedrite and freibergite), and sphalerite (zinc blende).

The economic mineralization, so far, seems to be mainly limited to Slocan Group, since all major mineable deposits of the silver-lead and zinc were found in this Group. The Slocan series comprising slates, argillites, limestones, quartzites, conglomerates, and tuffaceous beds, widely occurs in and around the Property area.

The Kaslo group is known for several mineral showings but few of them have economic importance (Cairnes, 1934). Prospects in Kaslo group are shown at Eureka, Beaver, Emerald Hill, Voyageur, Highland Surprise, and gold quartz areas. Most of these areas are along Lyle Creek and west and east of Rossiter Creek. The record of past active mining was found only from Highland Surprise Mine. Gold was discovered at this location and mined from 1937-1941 (Maconachie, 1940).

Four types of deposits are recognized in Slocan Group.

- Barren to nearly barren quartz veins in the form of stringers with sparsely disseminated pyrite, and occurring in all formations;
- Widely scattered mineral deposits containing values in gold, quartz and silicified wall-rocks carrying two or more of such minerals as pyrite, pyrrhotite, chalcopyrite, arsenopyrite, and gold;
- “Wet Ore Deposits” silver-lead-zinc deposits, occurring typically in the Slocan series, all three metals are equally important; and,
- “Dry Ore Deposits” silver main mineral, also significant values in lead or zinc or in both; abundant quartz as gangue mineral.

Mineralization has chiefly taken the form of fissure vein deposits. Replacement of the wall-rock is a common feature, its degree depending on the character of the enclosing rocks. Based on Field and laboratory evidence, it is concluded that Slocan mineral deposits formed during one, probably long, period of mineralization.

According to the geological model, regional faults and major structural discontinuities that have great strike lengths and extend deep in the crust are important mineralization controls because they provide conduits for the movement of mineralized fluids. Historically Slocan camp mineralization had been genetically linked to the cooling of the granitic batholith and differentiation of magma processes that resulted in generation of late magmatic mineralized fluids. Nowadays oxygen isotope studies concluded that lithostatically pressured aqueous fluids

moved through an oblique-sinistral transfer zone between the southern terminus of the Columbia River detachment fault and the northern terminus of the Slocan Lake detachment fault. These fluids were responsible for the formation of the Slocan Sandon camp's silver-lead-zinc deposits (Hoik et al., 2007).

7.1 Classification

The mineral deposits in Slocan mining district are classified into four classes. These are vein deposits, replacement deposits, spring deposits, and detrital deposits. Fissuring, fissure-filling, and replacement were the main processes involved. Only vein and replacement deposits are reported in the area.

7.1.1 Vein Deposits

Vein deposits are the major producer of minerals in Slocan Group. The vein deposits are formed by filling a fracture space, replacing the rock walls along a fracture or by both processes. The veins continue either as a single vein or become composite by joining other fractures. Where wall-rock is easily replaceable, as in the case of limestone, replacement processes extending outwards from a single fracture may give rise to the formation of important ore bodies as they do, in part, at the Lucky Jim and Whitewater Deep mines. Two types of vein deposits are identified in the area, these are single vein and composite vein (Cairnes, 1934)

7.1.1.1 *Single vein Deposits*

The single vein deposits generally occur along fault-fissures. These veins are more persistent in dry ores than wet ore. Pinching and swelling and splitting are also common in dry ores. The single vein of “dry ore” generally contains quartz, albite, and carbonate as gangue material along with pyrite, chalcopyrite and locally zinc or lead sulphides and argentite. Gold occurs as the native variety plus electrum.

The chief gangue material in “wet ores” is quartz, siderite, calcite, or more than one of these minerals. The abundant ore minerals are galena and (or) zinc blende, but argentiferous grey copper is generally present in important amounts. Economic single vein deposits occur at Hartney, Payne (in part), U.S., and Reco (in part) mines of the Slocan series, and the Beaver and Eureka of the Kaslo series. The Payne vein was the most profitable of this type discovered in the area.

The Straight fault-fissure lodes of Beaver and Eureka properties of the Kaslo series are discontinuous and lie in narrow zone.

7.1.1.2 Composite Vein Deposits

In composite type, veins branches to follow more than one fracture. Composite veins are termed linked- veins, (two or more roughly parallel fissures that locally merge), breccia vein (breccia partly or completely replaced by vein deposit), and shear veins (intensely sheared zone replacement).

Linked veins are common in formations with abrupt changes in physical properties. Breccia-veins occur characteristically in the more resistant rocks and form substantial orebodies within limestone beds or other limy beds. Shear veins are more common in fissile or slaty rocks or relatively incompetent strata. Composite vein-lodes are from a foot or so to 150 feet or more in width. The mineral suite in Composite veins ore and gangue is like single vein mineral composition. Single vein lodes generally are almost entirely composed of vein minerals, whereas very considerable parts of composite vein-lodes may be fragments and include masses of wall-rocks.

Composite vein deposits, commonly sheared type, are reported from Silversmith Rubh-Hope, Slocan King, Richmond Euteka, Whitewater, Wellington, Ivanhoe, Lucky Thought, Mammoth, Mohawk, Silver Bear, and Black Grouse properties.

Mineralization in Highland Surprise Trend is also considered composite vein deposit. It is in lower plate of the Kaslo Group. The quartz veins are up to 0.30 meters wide but usually occur in "vein zones" up to 2.0 meters wide. It typically contains quartz, albite, and carbonate as gangue material along with up to 10% pyrite, chalcopyrite and rarely zinc or lead sulphides. Gold occurs as the native variety plus electrum Silver is also present. The Property is considered suitable for this type of deposits.

7.1.2 Replacement Deposits

Replacement deposits are best developed in Lucky Jim property where limestone bed and limy strata have been locally extensively replaced by vein minerals. At this location, sequence from a few feet to over 100 feet thick comprises straight, persistent, and nearly parallel fractured. The widths of the fissure or fissures providing access for mineralizing solutions are insignificant as compared with the widths of replaced limestone on either or both sides are intersected. In the Whitewater Deep workings small fissures running out from the hanging-wall of the main Whitewater vein passed through a heavy limestone formation, which was extensively replaced to form large orebodies. At the Cork-Province mine the principal mineralization formed where the main vein crosses a series of limestone beds. Many other properties have replacement deposits, but on a smaller scale. The most important ore mineral of the limestone replacement deposits is sphalerite. It is commonly associated with some galena and locally galena maybe more abundant. Pyrite was noted in the lower workings on the main 'ore-'bodies at the Lucky Jim mine. Other sulphides, such as, pyrrhotite, arsenopyrite (rare), and high-grade, silver bearing minerals may also be present, though replacement bodies 'as a whole carry low silver value. Gangue

minerals may not be important constituents. At the Lucky Jim there is little gangue of any sort, but at the Whitewater Deep and Cork-Province siderite is abundant. Some quartz and calcite are generally present but are subordinate to the iron carbonate. Replacement deposits in other than limestone rocks contain the same minerals as the associated vein deposit and in much the same proportions.

7.1.3 Mineralization shoots

Mineralization shoots vary in size from few tons to thousands of tons and are lens-shaped or tabular. They are commonly part of vein deposits, but few also occur in replacement deposits. Large size shoots commonly occur in single veins of silver-lead and silver-lead-zinc. In general, they are thin, but in special circumstances, they may form thick ellipsoidal masses. Some ore shoots are composed almost entirely ore minerals whereas others contain various proportions of ore and gangue minerals. The silver-lead ore shoots in single veins may consist almost entirely of galena. Shoots containing silver or silver and gold are composed mainly of quartz.

These shoots of the larger silver-lead and silver-lead-zinc deposits are composed in part of nearly solid sulphides and in part, of sulphides, gangue minerals, and, in many cases, abundant fragments of wall-rock.

The largest and most valuable shoots in the Standard mine extended for, a vertical depth of about 400 feet (122m), with a maximum length of about 400 feet (122m) and a maximum thickness of about 50 feet (15m).

7.1.4 Detrital Deposits

Erosion and transportation have locally concentrated ore minerals. Such deposits include a little placer gold in Enterprise creek which is not economic. Concentrations of boulders of galena in several properties near Sandon are probably the most important detrital deposits. These boulders of galena have provided tonnages of high-grade silver-lead ore.

8.0 EXPLORATION

8.1 August 2020 Exploration Work Program

Geomap Exploration Inc. was contracted to complete an exploration programme in the area from August- 14 to August-31, 2020. A team of three geologists and a part time prospector worked on the Property. The focus of the field work was to collect rock samples along with the geological and structural observations from Kaslo group and Slocan group sequence. The sampling program was designed to represent all prospective geological units and formations.

Regional geological and exploration work was intermittently carried out in the property area until the late eighties of the last century. For the last four decades, it appears that no significant exploration or development work took place in the area. Although, the property does not host any major previous or present underground or surface mine, it is surrounded by many major past silver, lead, zinc, and gold mines. The data collected from these mines and exploration work and research work conducted in these areas provide a good understanding of the geology and mineralization.

The Whitewater North Block is underlain dominantly by Kaslo Group sequence whereas Slocan Group rocks outcrop in the northeast and southwest corners. Both geological units have past producing mines in the surrounding areas of the Property. The mineralization in Slocan group occurs in quartz veins, carbonaceous slates, slaty argillites, and a few quartzite beds. Quartz veins within the volcanic member of Kaslo Group commonly host mineralization. Few mineral showings (Figure 2 & 3) are reported in the north block claims areas and are discussed in Section 5 of this report.

Out of 121 outcrop grab samples from outcrops, floats and fault related broken rubble material were collected during August 2020 work, a total of 32 samples were taken from the North Block. All the sampling work was completed by the geologists of Geomap Exploration Inc. Figures 8 to 10 shows the location of samples and assays for gold and silver. Table 4 is the field description of these samples, Table 4 is the summary of samples, and Table 5 assay highlights.



Photo 1: Rocks diorites and ultramafics belonging to Kaslo Group (August 2020 Work Photo)

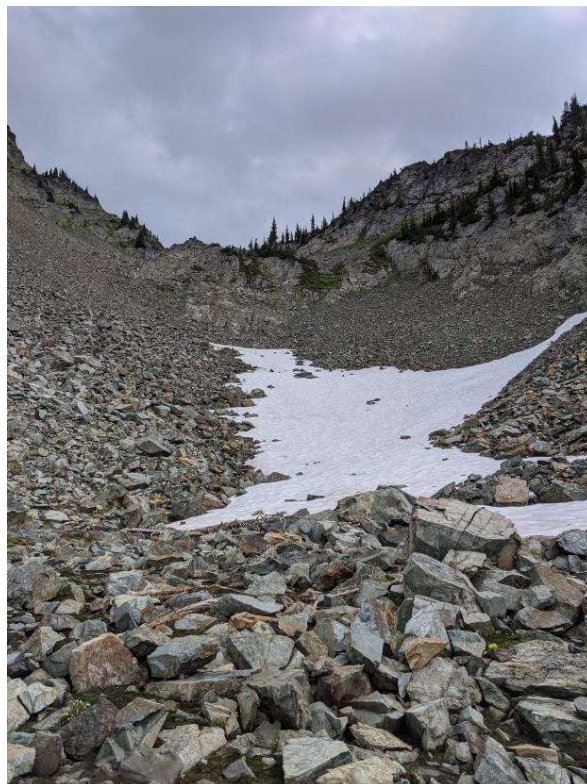


Photo 2: Broken rock material brought down by glaciers (August 2020 Work Photo)



Photo 3: Quartz veining in Slokan Group phyllites (August 2020 Work Photo)



Photo 4: Kaslo Group diorite ridges in the Northern Claim Block (August 2020 Work Photo)



Photo 5: Sampling of ultramafic broken rock material along the Whitewater Fault (August 2020 Work Photo)

Table 4: Whitewater Property Exploration August 14-31, 2020 Rock Samples Details

Sample Number	Location NAD 83 Zone 11		Elevation m	Exploration Area	Sample Type	Description	Structure and Other Comments
	Easting	Northing					
WWN-20-17R	493582	5545451	2224	WW NORTH BLOCK	Grab rock sample from rubble broken due to glacier	Quartz (10 cm thick) vein in ultramafic dunnite, fine grained.	
WWN-20-18R	493192	5545069	2237	WW NORTH BLOCK	Grab rock sample from outcrop	Quartz vein, light brown to pink.	
WWN-20-19R	493548	5545476	2231	WW NORTH BLOCK	Grab rock sample from outcrop	Quartz vein, light brown to pink in granitic rock altered.	
WWN-20-20R	493616	5545412	2218	WW NORTH BLOCK	Grab rock sample from outcrop	Same as above.	
WWN-20-62R	489974	5546712	1864	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Brown to dark brown, altered basalt, coarse pegmatitic texture, magnetic,	WP250: 490607E/5545475/1635m; Geological terrain changes for Slocan Group graphitic metapelites in the S to greenstone facies of Kaslo Group in the N, but quartz veining remains in both facies, indicating a coeval introduction of quartz in the system.

Sample Number	Location NAD 83 Zone 11		Elevation m	Exploration Area	Sample Type	Description	Structure and Other Comments
	Easting	Northing					
WWN-20-63R	489855	5546826	1905	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Brown to dark brown, altered basalt, coarse pegmatitic / porphyritic texture, magnetic,	Rocks are broken and formed a huge pile of rubble probably along a fault zone. Kaslo Group volcanics have been intruded by syntectonic coarse grained hornblende diorite and post-tectonic hornblende feldspar and feldspar porphyry dikes.
WWN-20-64R	489855	5546816	1901	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	White to brownish quartz vein in dunnite ultra mafic rock fine grained, hematitic.	Serpentinized dunnite is the most extensive rock type exposed in this area, forming northwesterly trending bands with steep southwest dips, and extending up to 750 metres in width.
WWN-20-65R	489855	5546816	1901	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Brown / d brown altered dunnite, 2-3% sulphides, fine grained greenish grey original colour, py, cpy, pentlandite.	
WWN-20-66R	489854	5546806	1895	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Brown / d brown altered dunnite, 2-3% sulphides, fine grained greenish grey original colour, py, cpy, pentlandite.	

Sample Number	Location NAD 83 Zone 11		Elevation m	Exploration Area	Sample Type	Description	Structure and Other Comments
	Easting	Northing					
WWN-20-67R	489868	5546798	1888	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Same as above	
WWN-20-68R	489870	5546792	1896	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	White to brownish quartz vein in dunnite ultra mafic rock fine grained, hematitic.	
WWN-20-69R	489879	5546786	1887	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Brown / d brown altered dunnite, 1-2% sulphides, fine grained greenish grey original colour, py, cpy, pentlandite.	
WWN-20-70R	489889	5546780	1885	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Brown / d brown altered dunnite, 2-3% sulphides, fine grained greenish grey original colour, py, cpy, pentlandite.	
WWN-20-71R	489889	5546780	1885	WW NORTH BLOCK	Grab rock sample from outcrop	Duplicate of WWN-20-70R	
WWN-20-86R	489858	5546809	1895	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentized rock, 1-2 cm thick qtz veins, oxidized, iron stained, 4-10 cm thick high sulphide band.	
WWN-20-87R	489394	5547066	1943	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentized rock, 2-3 cm thick qtz veins, massive, v. hard, occasionally oxidized, iron stained, 1-2 % sulphides.	

Sample Number	Location NAD 83 Zone 11		Elevation m	Exploration Area	Sample Type	Description	Structure and Other Comments
	Easting	Northing					
WWN-20-88R	489391	5547056	1946	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentinized rock, up to 5 cm thick qtz vein, highly oxidized, trace-1 % sulphides.	
WWN-20-89R	489395	5547036	1951	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentinized rock, up to 5 cm thick qtz vein, trace sulphides.	
WWN-20-90R	489399	5547028	1942	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentinized rock, up to 10 cm thick qtz vein, 1-2 % sulphides.	
WWN-20-91R	489399	5547028	1942	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentinized rock, up to 10 cm thick qtz vein, 1-2 % sulphides.	Duplicate of WWN-20-90R
WWN-20-92R	489405	5547034	1945	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	25 cm thick qtz vein, trace sulphides.	
WWN-20-93R	489411	5547027	1945	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	15 cm thick qtz vein, trace sulphides.	

Sample Number	Location NAD 83 Zone 11		Elevation m	Exploration Area	Sample Type	Description	Structure and Other Comments
	Easting	Northing					
WWN-20-94R	489415	5547020	1942	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentinized rock, up to 5 cm thick qtz vein, iron stained, trace sulphides.	
WWN-20-95R	489418	5547009	1947	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentinized rock, mm size qtz veins, oxidized, trace sulphides.	
WWN-20-96R	489425	5547008	1943	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentinized rock, highly oxidized, ferruginous, trace sulphides.	
WWN-20-97R	489424	5547001	1945	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Up to 45 cm thick qtz vein with thin green wall rock layers, trace sulphides.	
WWN-20-98R	489440	5547002	1942	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Up to 45 cm thick qtz vein with thin green wall rock layers, trace sulphides.	
WWN-20-99R	489448	5547001	1943	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Two 15-20 cm thick qtz veins at 1.5 ft interval in green coloured very hard rock, oxidized at places, 1-2 % sulphides.	

Sample Number	Location NAD 83 Zone 11		Elevation	Exploration Area	Sample Type	Description	Structure and Other Comments
	Easting	Northing	m				
WWN-20-100R	489448	5547001	1943	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	10 cm thick qtz vein, trace sulphides.	
WWN-20-101R	489467	5546993	1930	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentized rock, highly oxidized, ferruginous, trace-1 % sulphides.	
WWN-20-102R	489467	5546993	1930	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	Green serpentized rock, highly oxidized, ferruginous, trace-1 % sulphides.	Duplicate of WWN-20-101R
WWN-20-103R	489462	5546983	1935	WW NORTH BLOCK	Grab rock sample from outcrop / rubble	10 cm thick qtz vein, trace sulphides.	

8.1.1 Mapping and Sampling in Slocan Group

The rocks of the Slocan Group in the sampling area mainly comprises phyllites. Slates, argillites, and siltstone are occasional. The Phyllites are dark gray, weathers to rusty brown along bedding and across bedding, thin to medium bedded, splintery, with numerous quartz veins (Photo-6). Siltstone/argillites are brownish grey, micaceous. Light brown to whitish quartz veins ranging from 1cm to 60cm thick (commonly 10cm-20cm) as fracture fillings at places. Commonly 1-2% sulphides and occasionally up to 5% sulphides including pyrite, pyrrhotite, galena, and chalcopyrite were noted in quartz veins and along phyllites bedding planes and fractures. Malachite staining along bedding plane and hematitic alteration were also noticed. Shear zones and intense folding occur at places. Since most of the mineralization was noted in quartz veins, the samples were generally collected from these quartz veins and the wallrock.



Photo 6: Quartz vein in phyllites (location: 0499164E,5536377N) (August 2020 Work Photo)



Photo 7: Sandstone / quartzite with thin quartz veins (location: 0498360E, 5538629N) (August 2020 Work Photo)



Photo 8: Greenstone of lower Kaslo Group (location: 498509E, 5538634N)

8.1.2 Mapping and Sampling in the Lower Plate Sequence

15 samples taken are from the Lower plate sequence of Kaslo Group. The volcanic members of this sequence appear regionally homogeneous and is generally described as massive greenstone sequence (Photo-8). The volcanics are greenish to greenish grey, chloritized, slightly serpentinized. Quartz veins are generally few millimeters thick. Sulphide mineralization where occurs, is commonly less than 1%. Light brown sandstone/quartzite noted at one location (Photo-7). It is medium to coarse grained, hard, silica cemented, iron stained, quartz veins up to 10cm thick, and trace sulphides.

8.1.3 Mapping and Sampling in the Upper Plate Sequence

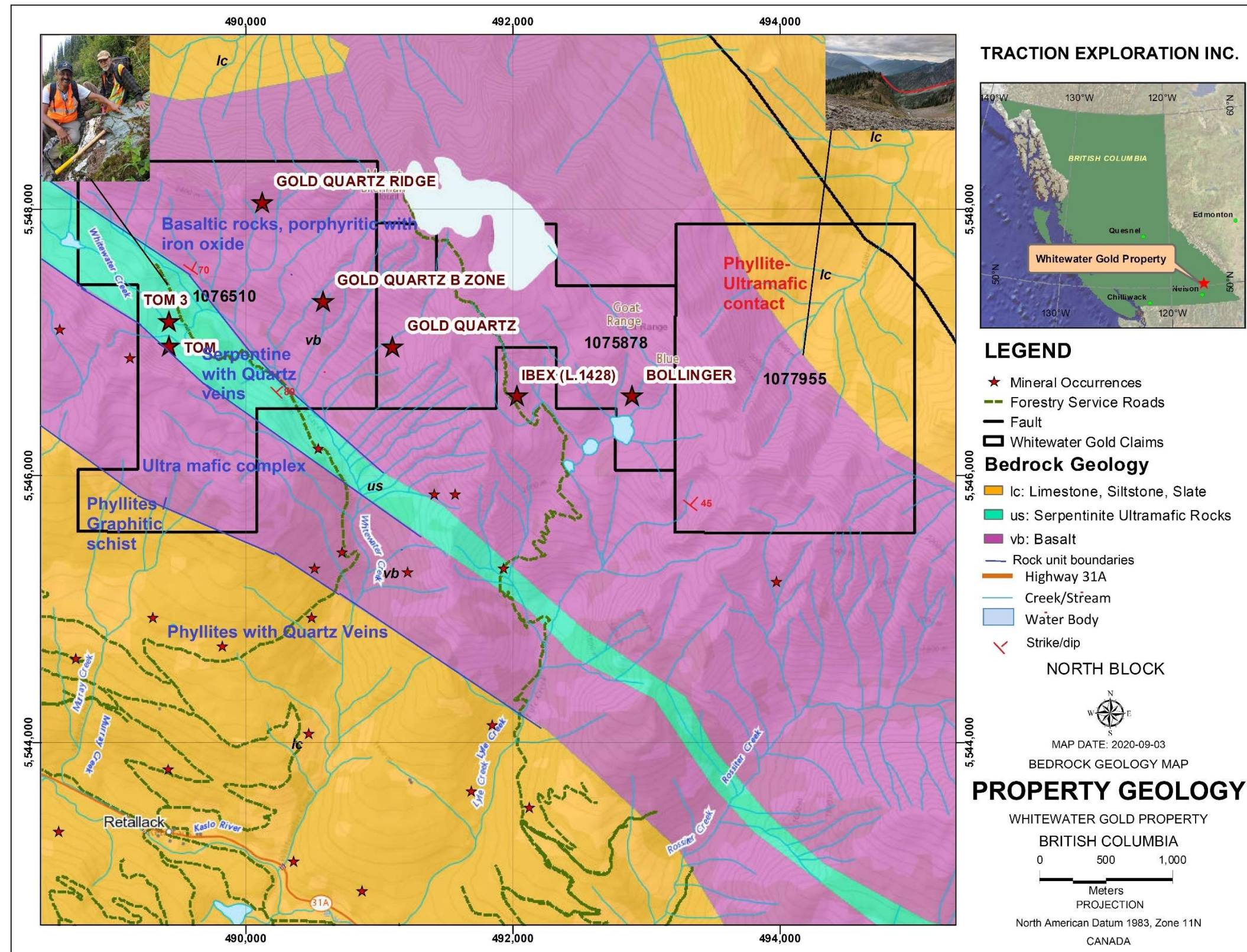
17 samples were collected from broken rocks which formed a huge pile of rubble probably along the Whitewater fault zone. The volcanics have been intruded by syntectonic coarse grained hornblende diorite and post-tectonic hornblende feldspar and feldspar porphyry dikes. Serpentinized dunnite is the most extensive rock type exposed in this area, forming northwesterly trending bands with steep southwest dips, and extending up to 750 metres in width.

The serpentinite and dunnite are the common rock types. These are generally green to dark green but at places altered to brown or dark brown. Quartz veins are common and range in thickness from mm size to 45 cm. These are generally oxidized to highly oxidized, massive, extremely hard, and contain trace to 2 % sulphides, commonly pyrite and chalcopyrite.

Brown to dark brown, altered basalt, with coarse pegmatitic / porphyritic texture, and magnetic characteristic occur in places, with 2-3% sulphides including pyrite, chalcopyrite, pentlandite noted in places.

This upper Plate sequence is characterized by orange- dark green or white-weathering olive-green to black and mottled dark green serpentinite. Extensive occurrence of Serpentinite in these samples suggest that sequence is part of upper plate sequence.

Figure 8: Modified geological map from Exploration work



8.2 Exploration Work Results

Analytical results of 32 samples indicate that silver is the main target element for further exploration. Anomalous values of gold, copper, manganese, and nickel are also found in a few samples (Table 5 and Figures 9 to 11).

- Silver values are in the range of 0.1 parts per million (ppm) to 1.94 ppm, 4 samples are over one ppm, 9 samples have values between 0.5 ppm to one ppm, 15 samples are between 0.1 ppm to 0.5 ppm, and one sample is below 0.1 ppm silver.
- Gold in one sample (WWN-20-70R) is 0.6 grams per tonne (g/t), and two other samples are around 0.01 ppm. All remaining samples have are lower gold values.
- Copper values are in the range of 3.5 ppm to 1030 ppm, the higher values are found in rocks of the upper plate in Kaslo Group. Nickel (Ni) assayed in the range of 2.3 ppm to 1890 ppm.
- Manganese (Mn) is from 47 ppm to 1650 ppm, zinc (Zn) is from 4.5 ppm to 288 ppm, vanadium (V) is 9.2 ppm to 449 ppm, lead (Pb) is 1.3 ppm to 23.3 ppm, chromium (Cr) is 41.6 ppm to 1780 ppm.
- As the Northern Block is dominantly represented by mafic and ultramafic rock complex, a total of 28 samples from the upper plate sequence of Kaslo Group belonging to Northern Block were also tested for platinum and palladium, but all samples returned values below the laboratory's method detection limits of 0.01 ppm for palladium and 0.005 ppm for platinum. Only two samples (WWN-20-62R and WWN-20-63R) assayed 0.004 ppm palladium, both these samples have 1860 and 1890 ppm nickel, respectively.

Table 5: Exploration work assays highlights.

Lab Sample Id	Field Sample ID	Method	FA-ICP-OES*	(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish									
		Analyte:	Au	Ag	As	Cr	Cu	Fe	Mn	Ni	Pb	V	Zn
		Unit:	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		RDL:	0.001	0.01	0.2	0.5	0.5	0.01	1	0.5	0.1	0.5	0.5
1431871	WWS-20-17R	North Block	0.011	0.93	5.2	129	246	7.59	1200	37.5	23.2	75	40.6
1431872	WWS-20-18R	North Block	0.001	0.51	2.2	55.5	3.5	0.71	108	7.3	1.3	14	8.4
1431873	WWS-20-19R	North Block	0.004	1.03	3.5	41.6	5.4	0.82	48	2.3	5.2	9.2	14
1431874	WWS-20-20R	North Block	0.005	1.94	11.5	59.1	8.7	1.9	51	3.2	20.3	17	48.7
1431916	WWN-20-62R	North Block	0.006	0.28	3.4	1350	11	4.37	687	1860	3.2	39	53.3
1431917	WWN-20-63R	North Block	0.006	0.36	21.7	1780	7.9	5.31	1350	1890	5.1	42.2	49.5
1431918	WWN-20-64R	North Block	0.006	0.31	1.4	166	320	3.29	683	49.6	2.1	132	143
1431919	WWN-20-65R	North Block	0.006	0.4	1.4	246	251	6.39	745	58.2	1.8	186	71
1431920	WWN-20-66R	North Block	0.014	0.61	0.8	213	1030	7.65	1250	38	5.1	293	90.5
1431921	WWN-20-67R	North Block	0.006	0.47	11.2	102	159	10.2	1590	36.6	2.3	446	114
1431922	WWN-20-68R	North Block	0.006	0.17	0.9	103	95.5	1.4	238	12.2	2.7	42.7	22.2
1431923	WWN-20-69R	North Block	0.005	1.82	1.3	256	723	6.4	1160	49.1	2.4	247	111
1431924	WWN-20-70R	North Block	0.61	0.76	1	65.6	469	6.69	1420	21.6	3.9	318	90.9
1431925	WWN-20-71R	North Block	0.006	0.76	0.8	50.1	425	6.34	1350	23.2	2.9	276	98.5
1431940	WWN-20-86R	North Block	0.003	0.1	5	142	65	7.51	1300	195	2.2	238	137
1431941	WWN-20-87R	North Block	0.004	0.94	1.6	224	215	5.58	858	40	4.5	226	103
1431942	WWN-20-88R	North Block	0.004	0.21	2	84.6	117	4.03	670	25.1	2.6	178	56.9
1431943	WWN-20-89R	North Block	0.004	0.13	0.8	116	25.2	2.4	406	13	2.3	78.3	21.3
1431944	WWN-20-90R	North Block	0.004	0.16	0.9	189	31.8	3.47	758	25.4	3.1	193	58.5
1431945	WWN-20-91R	North Block	0.008	0.39	0.8	170	31.8	3.45	719	27.7	2.8	185	55.3
1431946	WWN-20-92R	North Block	0.004	0.07	0.4	65	15.2	0.64	47	3.9	3	10	4.5
1431947	WWN-20-93R	North Block	0.004	0.06	0.5	72.1	13.4	0.5	75	11.6	1.3	12.1	10.7
1431948	WWN-20-94R	North Block	0.003	0.35	1.2	77.1	13.7	1.96	289	9	2.3	54	29.6
1431949	WWN-20-95R	North Block	0.004	0.64	1.3	110	88.1	7.84	1440	43.2	2.8	365	130
1431950	WWN-20-96R	North Block	0.003	0.44	1	96.3	157	8.5	1530	38.5	2.3	390	135
1431951	WWN-20-97R	North Block	0.003	0.1	0.9	123	73.1	1.8	249	12.1	2	42.8	14.4
1431952	WWN-20-98R	North Block	0.003	0.17	0.9	142	60.8	2.79	322	9.4	2	55.7	19.1
1431953	WWN-20-99R	North Block	0.005	0.24	1	150	218	4.44	668	15.6	2.2	200	59.7
1431954	WWN-20-100R	North Block	0.002	0.68	1.7	185	29.7	2.65	577	27.6	1.7	126	44.7

Lab Sample Id	Field Sample ID	Method	FA-ICP-OES*	(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish									
		Analyte:	Au	Ag	As	Cr	Cu	Fe	Mn	Ni	Pb	V	Zn
		Unit:	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		RDL:	0.001	0.01	0.2	0.5	0.5	0.01	1	0.5	0.1	0.5	0.5
1431955	WWN-20-101R	North Block	0.004	1.08	1.2	75.7	953	8.74	1640	33.7	5.5	445	282
1431956	WWN-20-102R	North Block	0.004	0.65	1	77.9	536	8.78	1650	32.7	5.4	449	288
1431957	WWN-20-103R	North Block	0.002	0.26	0.6	227	72.6	5.28	886	53.8	2.3	190	130

Comments:

RDL - Reported Detection Limit

**(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)*

*** (201-116) Multi-Acid Digest, ICP-OES finish*

As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON

Figure 9: Sampling Location and Assays North Block – Map A

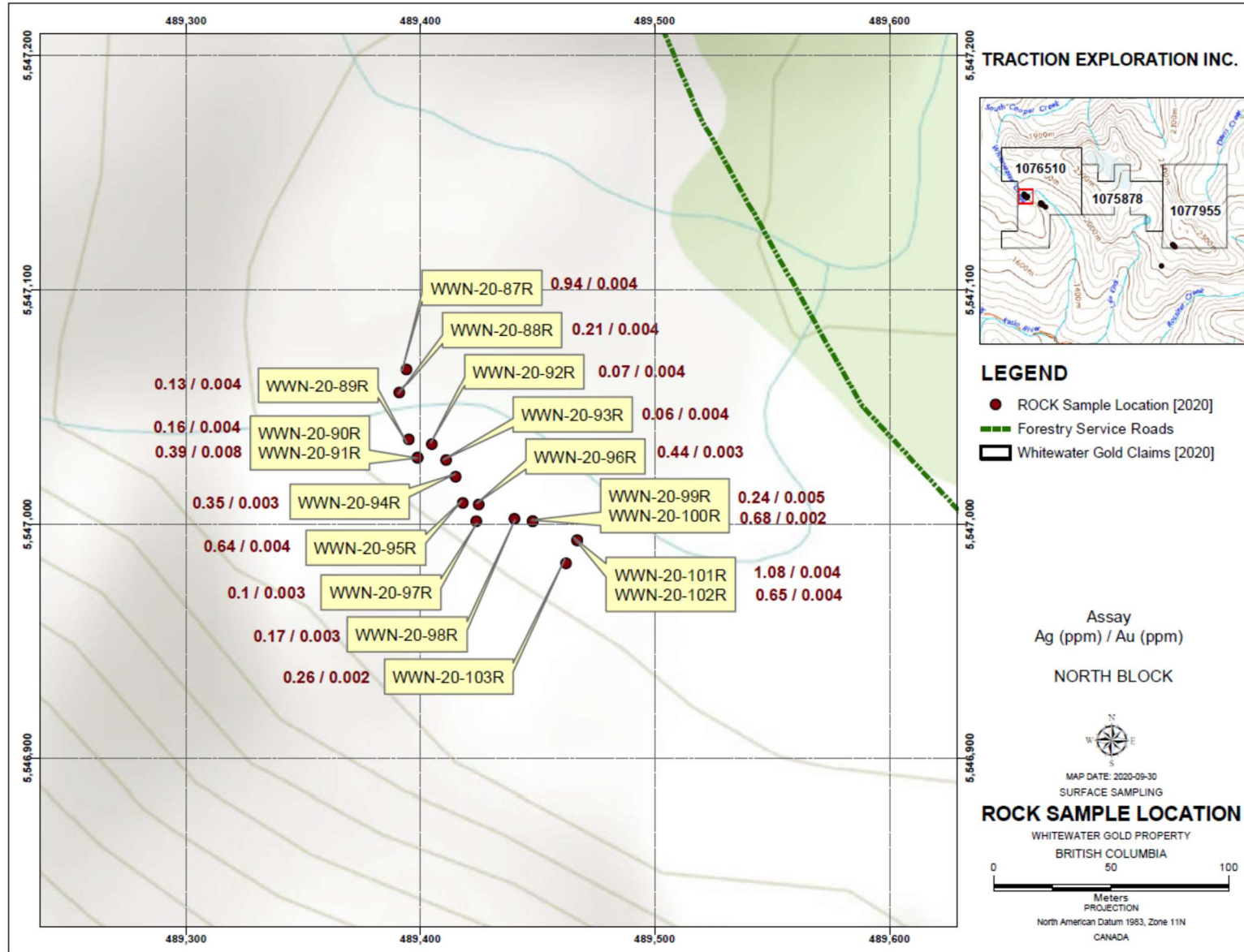


Figure 10: Sampling Location and Assays North Block – Map B

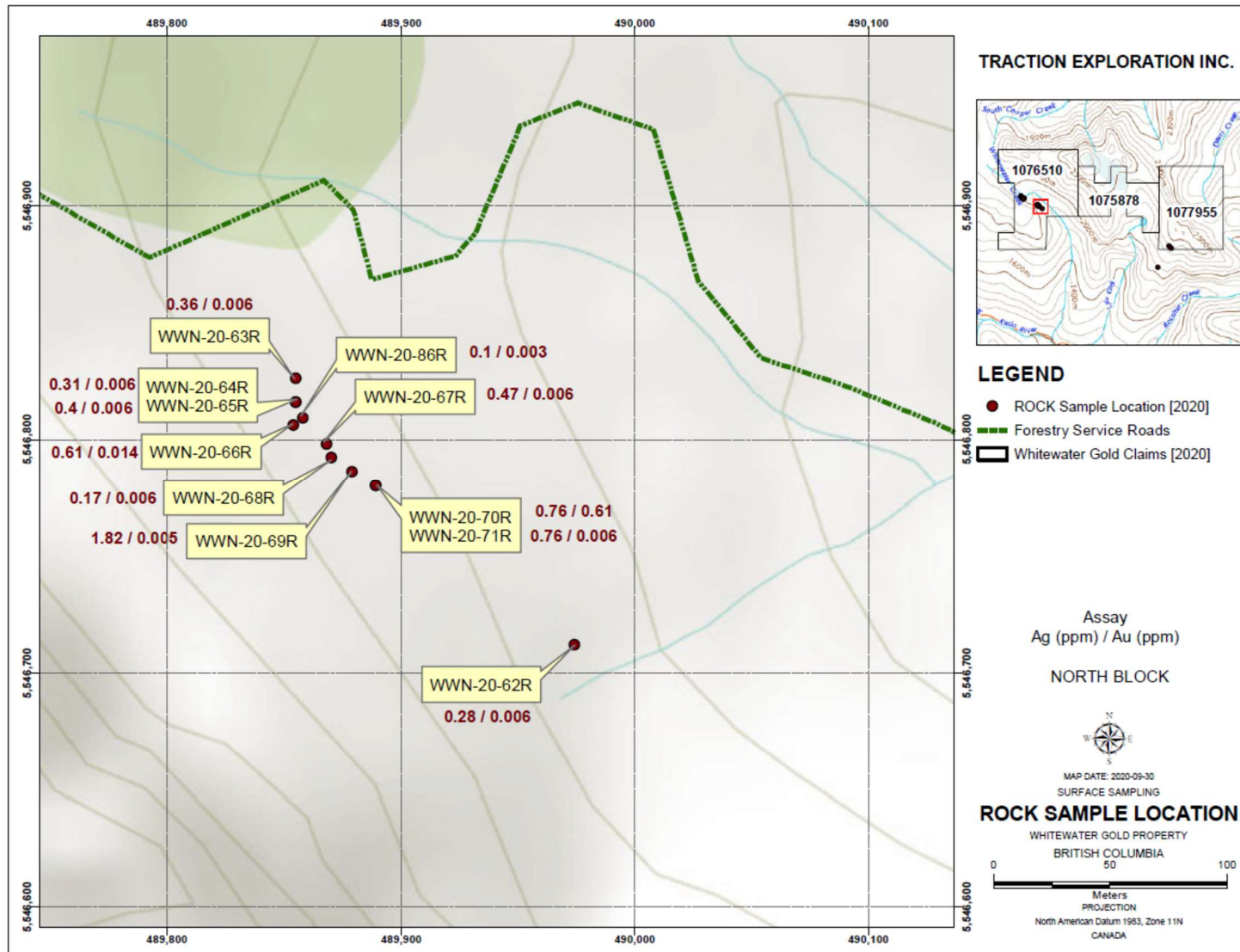
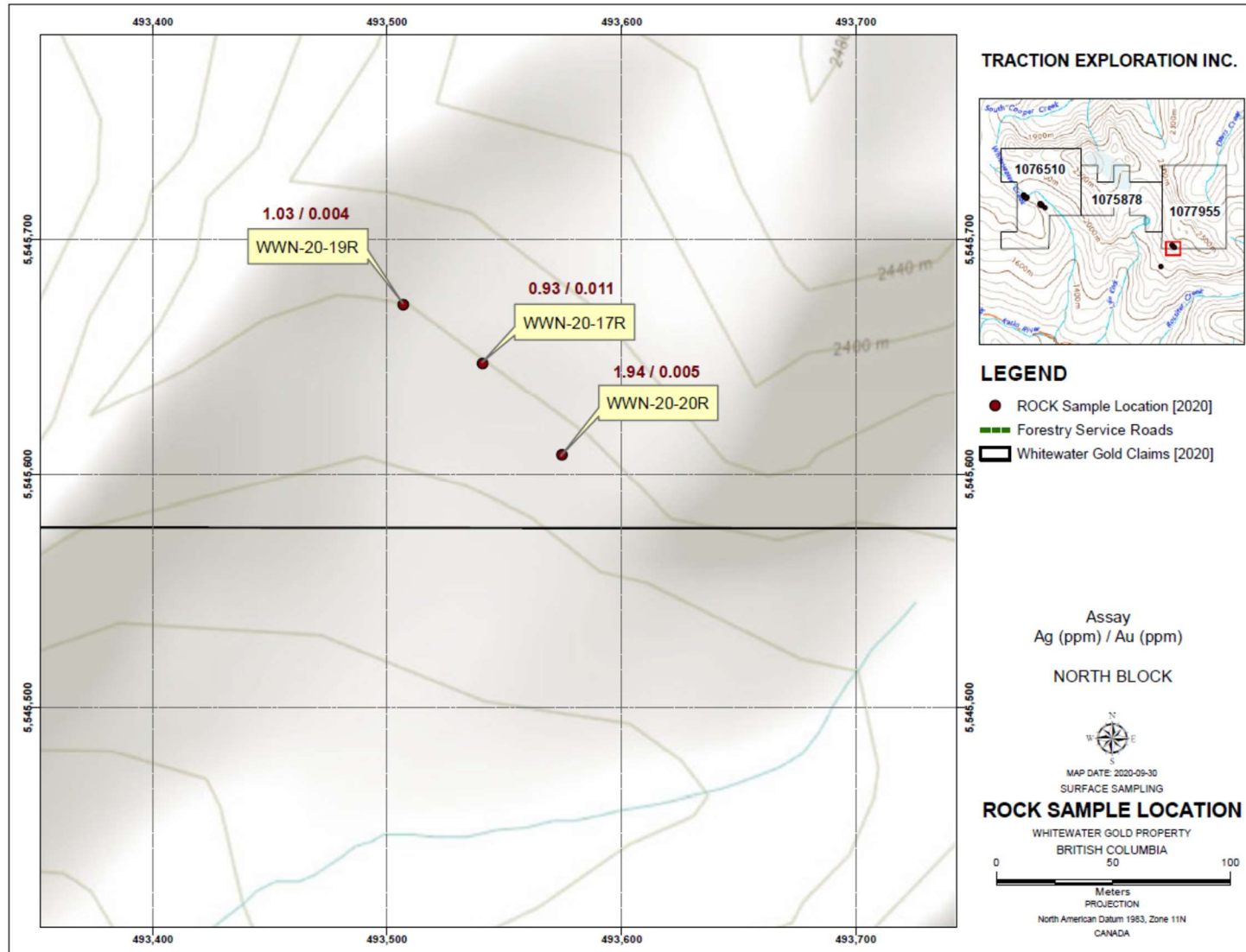


Figure 11: Sampling Location and Assays North Block – Map C



9.0 SAMPLE PREPARATION, ANALYSIS AND SECURITY

The author worked on the property during August 2020 to supervise the ongoing exploration work program, to take geological observations and to review sample collection procedures. For 2020 exploration program, rock samples were collected in the field by placing 0.3-2 kg of material in a heavy grade plastic sample bag with the sample number written with permanent marker. Each sample bag was then sealed with a plastic cable tie and samples were transported back to New Denver base station at the end of each day. Rock samples were recorded as to location (UTM -NAD 83), sample type (grab, composite grab, chip, etc.), exposure type (outcrop, rubblecrop, float, etc.), lithology, colour, texture and grain size were described. Sample locations were determined by hand-held GPS set to report locations in UTM coordinates using the North American Datum established in 1983 (NAD 83) Zone 11N (Table 4). The samples were bagged and tagged using best practices, and delivered to the Agate Laboratories in Burnaby, BC.

Agate Lab is an independent group of laboratories accredited under both [ISO 17025 with CAN-P-1579](#) for specific registered tests. Agate is a commercial, ISO Certified Laboratory independent of Traction Exploration Inc. and Geomap Exploration Inc. Laboratory also uses its own quality control and quality assurance protocols for sample analysis. Sample analysis packages used for sample preparation and analysis are shown in Table 7 below.

Table 6: Agat Laboratories Sample Preparation and Analysis

Sample Type	Package Name	Number of Samples
Rock	(200-) Sample Login Weight	121
Rock	(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish	121
Rock	(201-116) Multi-Acid Digest, ICP-OES finish	121
Rock	(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)	93
Rock	(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish	28
Rock	(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)	1
Rock	Sieving - % Passing (Crushing)	121
Rock	Sieving - % Passing (Pulverizing)	121

The analytical results of the QA/QC samples provided by Agate Lab did not identify any significant analytical issues. For the present study, the sample preparation, security, and analytical procedures used by the laboratory are considered adequate and the data is valid and of sufficient quality to be used for further investigations.

10.0 ADJACENT PROPERTIES

The following information is taken from the publicly available sources which are identified in the text and in Section 13. The Author has not been able to independently verify the information contained although he has no reason to doubt the accuracy of the descriptions. The information is not necessarily indicative of the mineralization on the Property, which is the subject of this technical report. The following information is provided as background material for the reader.

Whitewater Property is in the heart of historical mining and mineral exploration region of the Kootenays in British Columbia. Major mining operation in the vicinity of the claim area continued from 1893 to 1939. The hills around Sandon were actively mined by mines such as, The Payne, the Star, the Ruth, the Noble Five, the American Boy, the Trade Dollar, the Last Chance, the Hero, the Goodenough, the H. E. Lee, the Blue Bird, the Ajax, the Wonderful, the Ivanhoe, the Eureka, the Miller Creek, the Sovereign, and the Vulture. Sandon currently, a ghost mining town was, a home to 5000 people at one time. Like the other silver towns of the era, Sandon faded with the silver prices, and in 1955, a massive flood of Carpenter Creek occurred, destroying most of the remaining buildings. No major mining activity took place in the area after 1955, although minor activities are reported in the later years. The old mines of Whitewater and Highland Surprise Mine are the closest to the property, within 1-2km away. These are briefly described below.

10.1 Whitewater Mine

Whitewater mine is located approximately one kilometer to the south of the Property claim 1076510 on the west side of Whitewater Creek, approximately one kilometre north of its confluence with the Kaslo River (Figure 3). The Whitewater occurrences were discovered by J.C. Eaton in 1892. It consists of major lode containing many mineralized bodies and covers 24 Crown grants and fractions belonging to the Whitewater and Whitewater Deep groups. In 1922, the 9 claims of the Whitewater group and 15 of the Whitewater Deep group were consolidated under Whitewater Mines Ltd. The underground workings include at least nine adits and 14 levels and several sublevels.

A total of 471 063 tonnes of mined material is recorded for this past producer spanning a period from 1892 to 1980. Records indicate approximately 108 tonnes silver, 54 kilograms gold, 23 132 tonnes zinc, 13 942 tonnes lead, 39 tonnes cadmium and 45 kilograms copper were recovered.

The mineralization occurs in Upper Triassic Slocan Group, which consist of deformed and metamorphosed shale, argillite, siltstone, quartzite, and minor limestone. Rocks of the Slocan Group are tightly and disharmonically folded. Outcrops are few and most of the geology is known from exploration of by adits. The Whitewater mineralization is hosted by carbonaceous slates, slaty argillites, impure limestones, and a few quartzite beds. This stratum is intruded by at least one porphyritic lamprophyre dike that is highly altered to carbonate and sericite and locally mariposite.

The Whitewater deposit comprises an upper zone and a lower zone. The upper zone is characterized by shearing and fracturing in slates. The mineralization in this zone is primarily vein type. The lamprophyre dike occurs as sheets and lenses. Above the No. 7 level, the productive zone is up to 20 metres thick in sheared and brecciated host rocks. Carbonaceous gouge and slickensides are well developed along vein walls. The productive zone extended down to the No. 9 level and one small stope on the 9.5 level. Mineralization consists of galena and sphalerite with minor tetrahedrite and trace pyrite and chalcopyrite, and occurs as streaks up to 20 centimetres wide, lenses and irregular pods up to 12 metres wide. It is hosted in a gangue of mostly siderite, as much as 1.5 metres wide, and some quartz. Mineralization in the uppermost levels is oxidized. Sphalerite contains cadmium in small amounts.

The lower zone is complex and characterized by structurally controlled replacement of limestone and lamprophyre. The footwall consists of slates and the hanging wall consists of limestone. Local silicification occurs around the replacement bodies. There are three types of mineralization in the lower zone: 1) occurs as masses and lenses within the lode, 2) consists of massive replacement of limestone by sphalerite and siderite gangue and constitutes the majority of lower zone ore, disseminated and locally massive galena common, pyrite and chalcopyrite are rare. 3) consists of sphalerite and galena in a gangue of magnetite, pyrrhotite, pyrite and other silicate minerals, replacing the lamprophyre dike. (Source: <https://minfile.gov.bc.ca/Summary.aspx?minfilno=082KSW033>)

10.2 Highland Surprise Mine

The Highland Surprise Mine is in the south and southeast of the Property claims 1077955 and 1075878 (Figure 3). This mine is particularly important because it is the only mine in the vicinity producing from Kaslo Group and most of the North block claims are underlain by the sequence of Kaslo Group.

The mine is located on the north westerly side of Lyle Creek basin. The principal mining was done on Fletcher and Phoenix Reverted Crown claims. Total production amounted to 1903 tonnes containing 50,947 grams gold, 29,765 grams silver, 145 kilograms lead and 145 kilograms zinc over its 5-year life. Most of this mineralized material was treated at the Whitewater mill or shipped directly to the Trail smelter. Up to 1942, a total of 990 metres of underground work and 231 metres diamond drilling was done on four adit levels.

The lithologies include chloritic andesite flows, pyroclastics and tuffaceous sediments. and granitic dike. The dike appears to increase in size with depth and outcrops to the east of the workings. Serpentinite is widely exposed in this area, forming northwesterly trending bands with steep southwest dips, and extending up to 750 metres in width. Talc and asbestos are common alteration minerals associated with this serpentinite unit.

Two types of veins occur in Highland surprise mine. These veins pinch and swell from a stringer to within one-half metre and change dips as much as 90 degrees. One type has a quartz and calcite gangue containing auriferous sulphides, principally pyrite and chalcopyrite with minor amounts of sphalerite, galena and a little free gold, and the other veinlets in shear fractures

consisting of quartz and albite. Pyrite is sparsely disseminated in the quartz, albite, and adjacent greenstone wall rock. The two types may be found to occupy the same fracture along strike. Mineralization is foliation parallel, however, the zone swings east where the serpentinite body is intersected.

The original surface exposure consisted of a 60-centimetre-wide quartz vein in sheared greenstone. Underground workings at the Highland Surprise occurrence follow the contact between serpentinite and veins and feldspar porphyry dikes. The mine had three working adits.

In the 1970s, this property was re-examined by MCP Resources Corp. Chip samples taken across the vein structure showed significant gold and silver values. (George Cross Newsletter No.210, October 31, 1979). The area surrounding the Highland Surprise was explored again in 1987 with several rock samples yielding significant results. (Assessment Report 19475).

10.3 Klondike Silver Corp.

Klondike Silver Corp. has zinc-silver-lead projects the Slocan Mining Camp (Figure 12) which is a brownfields project in southeastern British Columbia. The project has an active Mine Permit, a 100 ton per day mill and a licenced tailings pond facility. The mill is 1.5 hours from Teck Corp.'s Trail lead-zinc smelter. Once additional economic mineralization is identified, production can start almost immediately. The Slocan Mining Camp is within the Kokanee Range of the Selkirk Mountains in southeastern British Columbia. The Camp is mainly underlain by metasediments of the Late Triassic Slocan Group (201 to 235 Ma). These metamorphosed sediments are comprised of argillite, impure sandstones, siltstones, and limestones. The Slocan Group metasediments were intruded by the Nelson Batholith (160 to 170 Ma) which subsequently fractured and folded the existing rocks. The batholith was a heat engine that assisted in the emplacement of mineralization into the fractures. These fractures became the mineralized veins or "Lodes" that have been mined since the 1890s. The Lodes were subsequently cross-faulted and sheared making the geology and mining of the area complex.

The main mineralized fractures in the Slocan Group metasediments are a series of east-west parallel Lodes that dip toward the south. The Lodes are not mineralized continuously along their length or dip but are instead a series of mineralized pods or bodies along the length of the Lode structures. These pods have been mined as separate mines along the same structure. As an example, the largest structure in the Camp is called the "Main Lode". It is approximately 9 km in length and contains the main producing mines in the Camp (Standard, Silvana, Silversmith and Ruth/Hope mines). These mines extracted mineralized rock from separate pods along the "Main Lode". There are still unexplored sections of the "Main Lode" as well as most of the other Lodes.

All the mines in the area were discovered when these mineralized bodies came to surface, except the Silvana Mine. It was discovered by drilling from previous underground workings. Future discoveries in the Camp will come from the 3D computer modeling unraveling and interpreting the complex geology as well as successive drilling programs.

10.4 Magnum Goldcorp Inc.

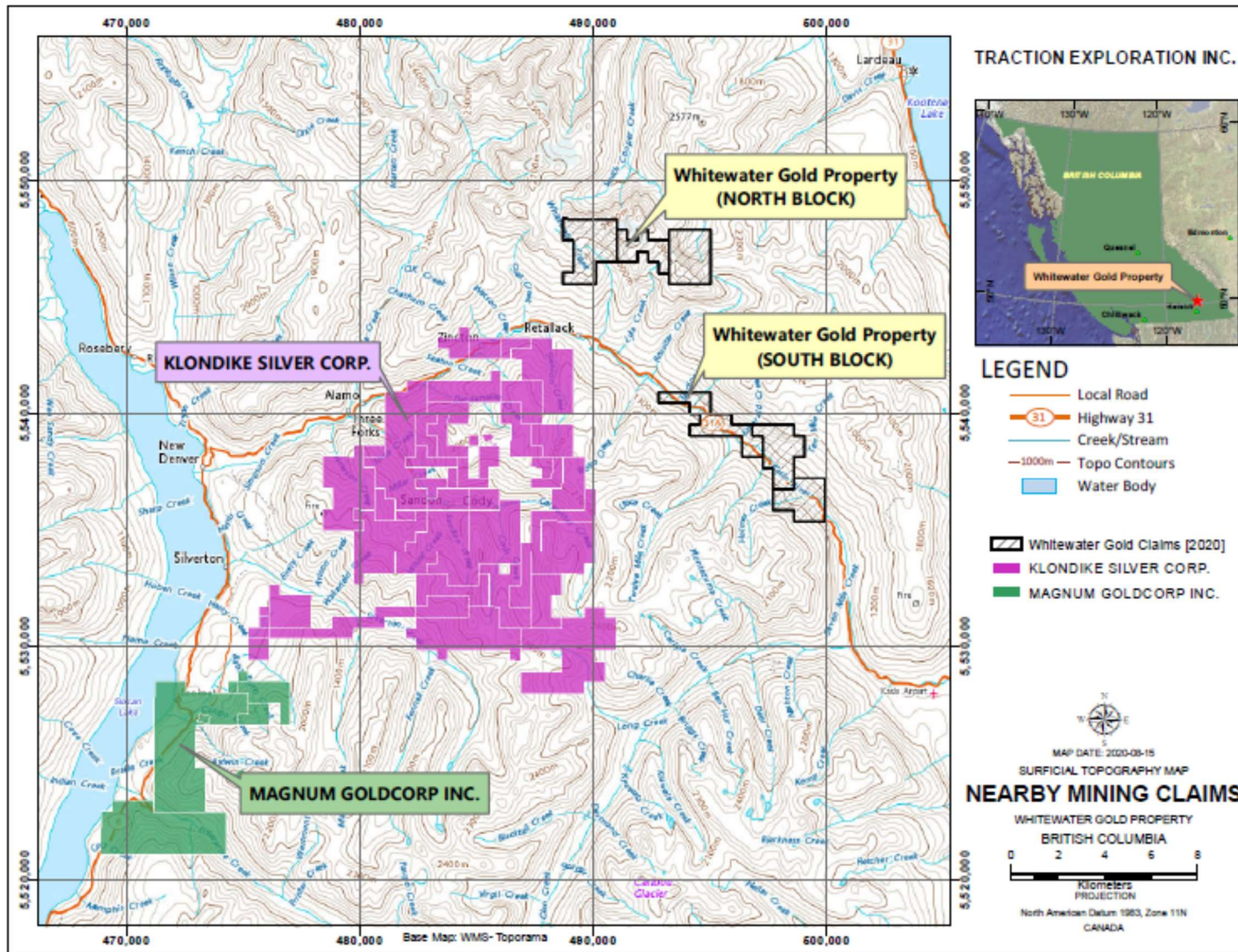
Magnum Goldcorp is developing its LH Property located on east of Slocan Lake approximately 7.0 km south of the village of Silverton, in the Slocan Mining Division of southeastern British Columbia. The LH Property is a gold exploration property consisting of 19 contiguous crown granted claims and 7 mineral claims, located approximately 7 km south of Silverton, British Columbia, on the east side of Slocan Lake. As announced April 27, 2016, Magnum now owns 100% of the LH Property.

In 1987, surface prospecting and soil geochemistry by Noranda Mines located the Ridge Zone which they tested by 8 drill holes.

In October 2012, International Bethlehem Mining Corp completed a 246 metre drill hole in the Ridge Zone, approximately twinning Noranda Hole LH88-23 which reported an intersection of 10.78m grading 4.38g/t Au confirmed the presence of the Ridge Zone mineralization.

In 2015, Magnum Goldcorp completed an 11-drill hole program which targeted high grade gold mineralization previously identified in LH underground workings. The drill program returned analytical results some of which included 16.9 meters of 13.58 g/t Au including 10.9 meters of 20.91 g/t Au and as well, 11 meters of 20.66 g/t Au.

Figure 12: Adjacent Properties Map



11.0 INTERPRETATION AND CONCLUSION

Geologically, the Property area occurs in the southern part of the Goat Range of eastern Selkirk Mountains which lies within the Kootenay Arc terrane, which is a curving belt of complexly deformed sedimentary, volcanic, and metamorphic rocks extending southeasterly from Revelstoke, to Kootenay Lake in British Columbia and then southerly into the United States. It consists of lower Paleozoic and Mesozoic rocks on the west flank of the Purcell Anticlinorium. The limestone, dolomite, clastic sedimentary rocks, and volcanic rocks of Paleozoic and early Mesozoic age in the arc were intensely deformed during early Paleozoic and Middle Jurassic time.

Locally, the Property area is underlain by the rocks of Kaslo group and Slocan Group. The Kaslo Group is widely exposed and covers a major portion in the northern block of the property, and consists of mafic volcanic rocks, serpentinite, intrusives, and associated sedimentary rocks. The Whitewater Fault occurs at the base of the ultramafic unit and divide the Kaslo Group into upper and lower plates. Where exposed, the Whitewater Fault is a shear zone that is folded by folds associated with the Dryden Anticline. The Slocan Group consists of thick sequence of grey to dark grey phyllite and slate which are thin bedded to massive and defined by dark grey colour bands, sandy and calcareous layers that weather into differential relief because of slight compositional variations. The Slocan Group rests with slight angular unconformity on the Marten conglomerate. The age of the Slocan Group is Late Triassic. The intrusive rocks in the area include diorite, granite, and lamprophyre dikes. All rock units exposed on the Property have undergone some degree of regional metamorphism.

Exploration of the property area dates to the late 1800s when polymetallic silver-lead-zinc veins, such as the Gold Quartz showing were first discovered. The major discovery of gold was made in Kaslo Formation at Highland Surprise Mine. Several companies were involved in exploration activities in the claim area from time to time.

Hi-Ridge Resources Ltd. in the year 1972 completed an exploration program involving geological mapping, prospecting, magnetometer surveying and diamond drilling. Pan Ocean Oil Limited in the year 1973 carried out geological mapping of the property area. Amoco Canada Petroleum Company Limited in 1979 did soil sampling which indicated the presence of several anomalous concentrations of gold. There are six mineral showings (Minfile Occurrences) documented for the Property area which are: i) Gold Quartz (silver, gold, lead, zinc, copper), ii) Bollinger (gold, lead, copper), iii) Gold Quartz Ridge (silver, gold, copper), iv) Gold Quartz B Zone (silver, gold, lead, copper), and v) Tom (copper).

The Property area is known mainly for silver bearing deposit types where Slocan Group is the main source of economic mineralization, and the Kaslo Group is known for several mineral showings but few of them have economic importance. Mineralization has chiefly taken the form of fissure vein deposits. Replacement of the wall-rock is a common feature, its degree depending on the character of the enclosing rocks. According to the geological model, regional faults and major structural discontinuities that have great strike lengths and extend deep in the crust are

important mineralization controls because they provide conduits for the movement of mineralized fluids.

Traction Exploration Inc. completed an exploration programme on the Property from August- 14 to August 31, 2020. The focus of the fieldwork was to collect representative rock samples along with the geological and structural observations from Kaslo group and Slocan group sequence. The sampling program was designed to represent all prospective geological units and formations.

A total of 32 grab samples from outcrops, and fault related broken rubble material were collected during this campaign. Main target for sampling was brown to whitish quartz veins ranging in thickness from 1cm to 60 cm (commonly 10cm-20cm with 1-2% sulphides and occasionally up to 5% sulphides including pyrite, pyrrhotite, galena, and chalcopyrite). Serpentinized ultramafic rocks, sulphide bearing phyllites and intrusives were also sampled.

The analytical results of samples indicate that silver is the main target element for further exploration. Anomalous values of gold, copper, manganese, and nickel are also found in a few samples.

- Silver values are in the range of 0.1 parts per million (ppm) to 1.94 ppm, 4 samples are over one ppm, 9 samples have values between 0.5 ppm to one ppm, 15 samples are between 0.1 ppm to 0.5 ppm, and one sample is below 0.1 ppm silver.
- Gold in one sample (WWN-20-70R) is 0.6 grams per tonne (g/t), and two other samples are around 0.01 ppm. All remaining samples have are lower gold values.
- Copper values are in the range of 3.5 ppm to 1030 ppm, the higher values are found in rocks of the upper plate in Kaslo Group. Nickel (Ni) assayed in the range of 2.3 ppm to 1890 ppm.
- Manganese (Mn) is from 47 ppm to 1650 ppm, zinc (Zn) is from 4.5 ppm to 288 ppm, vanadium (V) is 9.2 ppm to 449 ppm, lead (Pb) is 1.3 ppm to 23.3 ppm, chromium (Cr) is 41.6 ppm to 1780 ppm.
- As the Northern Block is dominantly represented by mafic and ultramafic rock complex, a total of 28 samples from the upper plate sequence of Kaslo Group belonging to Northern Block were also tested for platinum and palladium, but all samples returned values below the laboratory's method detection limits of 0.01 ppm for palladium and 0.005 ppm for platinum. Only two samples (WWN-20-62R and WWN-20-63R) assayed 0.004 ppm palladium, both these samples have 1860 and 1890 ppm nickel, respectively.

The author worked on the property in August 2020 to supervise the ongoing exploration work program, to take geological observations and to review sample collection procedures. All samples for this work were prepared and analyzed at Agat Laboratories Mississauga, Ontario using packages: 4 Acid Digest - Metals Package, ICP/ICP-MS finish, Multi-Acid Digest, ICP-OES finish, Fire

Assay - Trace Au, ICP-OES finish (ppm), Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish, and Fire Assay - Au Ore Grade, Gravimetric finish (50g charge).

The data presented in this report is based on published assessment reports available from Traction, the British Columbia Ministry of Mines, Minfile data, the Geological Survey of Canada, and the Geological Survey of BC. A part of the data was collected by the author during the property visit. All the consulted data sources are deemed reliable. The data collected during present study is considered sufficient to provide an opinion about the merit of the Property as a viable exploration target.

Based on its past exploration history, favourable geological and tectonic setting, presence of surface mineralization, and the results of present study, it is concluded that the Property is a property of merit and possesses a good potential for discovery of silver, gold, and other sulphide mineralization. Good road access together with availability of exploration and mining services in the vicinity makes it a worthy mineral exploration target. The historical exploration data collected by previous operators on the Property provides the basis for a follow-up work program.

12.0 RECOMMENDATIONS

In the author's opinion, the Whitewater Property North Block has potential for further discovery of good quality silver, gold and other sulphide mineralization. The character of the property is sufficient to merit a follow-up work program. This can be accomplished through a two-phase exploration and development program, where each phase is contingent upon the results of the previous phase.

Phase 1 – Prospecting, Sampling and Geological Mapping

The 2020 exploration work identified several areas with quartz veins showing over 1 ppm silver and a few areas with over 0.5 g/t gold values. It is recommended to follow up these quartz veins through detailed mapping, prospecting, and sampling work. Due to large size of the property, the 2020 work program was not able to cover a large part of the claim areas of the North Block. The Norther Block has a difficult access as 1.5 to 2 hours one-way uphill walk slows down the work progress. It is recommended to cover the areas with difficult access more efficiently using a helicopter. The following areas are recommended for detailed prospecting and sampling work:

Whitewater North Block

- Three samples collected from southwestern part of claim 1077955 have shown silver values in the range of 0.94 ppm – 1.94 ppm. The whole claim area needs detailed prospecting and mapping.
- Samples collected from claim (1076510) also show anomalous values of silver (over 1 ppm in two samples) and gold (0.61g/t in one sample). The north-eastern part of this claim needs detailed checking in the area across Whitewater Creek, particularly historical Minfile Occurrences (Gold Quartz B Zone and Gold Quartz Ridge) (Figure 3).

- Two Minfile occurrences (Gold Quartz and Bollinger) on Claim 1075878 need detailed prospecting and mapping.

Total estimated budget for this work is \$123,365 and it can take about four months' time to complete.

Phase 2 – Drilling and Geophysical Surveys

Based on the results of Phase 1 program, a drilling program is recommended to be executed on the targets if identified for further work on the Property. Scope of work, location of drill holes and budget for Phase 2 will be prepared after reviewing the results of Phase 1 program. Another recommendation for this phase of work is to carryout airborne geophysical surveys (Time Domain Electromagnetic – TDEM and Magnetic) on the North Block.

Table 7: Phase 1 Budget

Item	Unit	Rate (\$)	Number of Units	Total (\$)
Project preparation / logistic arrangement	Day	\$700	3	\$2,100
Field Crew:		-	-	
Project Manager	Day	\$700	7	\$4,900
Project Geologist 1	Day	\$650	15	\$9,750
Project Geologist 2	Day	\$650	15	\$9,750
Prospector 1	Day	\$450	15	\$6,750
Prospector 2	Day	\$450	15	\$6,750
Field Costs:				
Food & Accommodation	Day	\$250	60	\$15,000
Communications	Day	\$100	15	\$1,500
Shipping	Lump Sum	\$0	1	\$0
Helicopter	Hrs	\$2,000	10	\$20,000
Supplies and rentals	Lump Sum	\$2,500	1	\$2,500
Vehicle Rental with gas	Day	\$200	18	\$3,600
Transportation with mileage	km	\$0.55	2000	\$1,100
Assays & Analyses:		-	-	
Rock/Soil Samples	Sample	\$75	150	\$11,250
Report:				
Data Compilation	Day	\$700	10	\$7,000
GIS Work	Hrs	\$60	30	\$1,800
Report Preparation	Day	\$700	12	\$8,400
Total Phase 1 Budget				\$112,150
Contingency 10%				\$11,215
Total Estimated budget				\$123,365

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<https://minfile.gov.bc.ca/Summary.aspx?minfilno=082KSW033>

14.0 CERTIFICATE OF AUTHOR

I, Afzaal Pirzada, P.Geo., as an author of this report entitled “Technical Assessment Work Report on the Whitewater Property North Block, Slocan Mining Division, Kaslo, British Columbia, Canada” dated January 4th,2021, (Revised April 24, 2021) do hereby certify that:

- i. I am a consulting geologist of: GEOMAP EXPLORATION INC. 14782- 61A Avenue, Surrey, British Columbia, Canada, V3S 2L8.
- ii. I have M.Sc. degree in Geology from Punjab University, Lahore, Pakistan in 1979.
- iii. I am registered as a Professional Geologist in British Columbia (License #: 28657), Canada.
- iv. I have been practicing my profession continuously since 1979, and have over thirty five years of experience in mineral exploration for uranium, base metals, PGE, lithium, graphite, gold and silver.
- v. I worked on the property in August 2020 to supervise the exploration work and I am the Author of the report.
- vi. As at the date of this certificate, to the best of my knowledge, information, and belief the technical assessment work report contains available scientific and technical information that is required to be disclosed to make this technical report not misleading.

Dated: April 24th, 2021



**APPENDIX A
COST STATEMENT**

TABLE A-1: Whitewater Property 2020 Exploration Work - Statement of Expenditures

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Afzaal Pirzada, P.Geo. /PM	AUG 14-28, 2020	11	\$700.00	\$7,700.00	
Muzaffer Sultan, PhD., P.Geo.	AUG 24-28, 2020	5	\$700.00	\$3,500.00	
Shahid Janjua, M.Sc./Geologist	AUG 14-28, 2020	15	\$650.00	\$9,750.00	
Ahmed Khan, Ph.D./Geologist	AUG 18-28, 2020	11	\$650.00	\$7,150.00	
Patrick Butler	8/21/20220	1	\$450.00	\$450.00	
			\$0.00	\$0.00	
				\$28,550.00	\$28,550.00
Office Studies	List Personnel (note - Office only, do not include field days)				
Literature search	Afzaal Pirzada	2.0	\$700.00	\$1,400.00	
Database compilation	Afzaal Pirzada	1.0	\$700.00	\$700.00	
Database compilation	Muzaffer Sultan	2.0	\$700.00	\$1,400.00	
GIS Work	Shahab Tavakoli	50.0	\$60.00	\$3,000.00	
Reprocessing of data	Afzaal Pirzada	3.0	\$700.00	\$2,100.00	
General research	Afzaal Pirzada	5.0	\$700.00	\$3,500.00	
Report preparation	Muzaffer Sultan	5.0	\$700.00	\$3,500.00	
Report preparation	Afzaal Pirzada	10.0	\$700.00	\$7,000.00	
Other (specify)	Project Management	3.0	\$700.00	\$2,100.00	
				\$24,700.00	\$24,700.00
Airborne Exploration Surveys	Line Kilometres / Enter total invoiced amount				
Other (specify)			\$0.00	\$0.00	
				\$0.00	\$0.00
Remote Sensing	Area in Hectares / Enter total invoiced amount or list personnel				
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	950 Covered in fieldwork				
Regional	<i>note: expenditures here</i>				
Reconnaissance	1500 <i>should be captured in Personnel</i>				
Prospect	950 <i>field expenditures above</i>				
Underground	Define by length and width				

Trenches	Define by length and width			\$0.00		\$0.00
Ground geophysics						
Other (specify)	Line Kilometres / Enter total amount invoiced list personnel			\$0.00		\$0.00
Geochemical Surveying						
	Number of Samples	No.	Rate	Subtotal		
Drill (cuttings, core, etc.)			\$0.00	\$0.00		
Stream sediment			\$0.00	\$0.00		
Soil			\$0.00	\$0.00		
Rock	120 Samples	120.0	\$68.83	\$8,259.60		
Water			\$0.00	\$0.00		
Biogeochemistry			\$0.00	\$0.00		
Whole rock			\$0.00	\$0.00		
Petrology			\$0.00	\$0.00		
Other (specify)	Maps printing	1.0	\$50.00	\$50.00		
				\$8,309.60		\$8,309.60
Drilling						
Other (specify)	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal		
			\$0.00	\$0.00		
				\$0.00		\$0.00
Other Operations						
Other (specify)	Clarify	No.	Rate	Subtotal		
			\$0.00	\$0.00		
				\$0.00		\$0.00
Reclamation						
Other (specify)	Clarify	No.	Rate	Subtotal		
			\$0.00	\$0.00		
Transportation						
		No.	Rate	Subtotal		
Airfare			\$0.00	\$0.00		
Taxi			\$0.00	\$0.00		
truck rental	15 days	15.00	\$140.00	\$2,100.00		
kilometers		3045	3045.00	\$0.55	\$1,674.75	
ATV			\$0.00	\$0.00		
fuel		550.00	\$1.25	\$687.50		
Helicopter (hours)			\$0.00	\$0.00		
Fuel (litres/hour)			\$0.00	\$0.00		

Other						\$4,462.25	\$4,462.25
Accommodation & Food		Rates per day					
Hotel		\$323.90	15.00	\$323.89	\$4,858.35		
Camp				\$0.00	\$0.00		
Meals	day rate for 4 person		15.00	\$300.00	\$4,500.00		
						\$9,358.35	\$9,358.35
Miscellaneous							
Telephone			15.00	\$10.00	\$150.00		
Other (Specify)	Sample bags, flagging tape, note book, sample books, GPS		1.00	\$1,000.00	\$1,000.00		
						\$1,150.00	\$1,150.00
Equipment Rentals							
Field Gear (Specify)					\$0.00		
Other (Specify)					\$0.00		
						\$0.00	\$0.00
Freight, rock samples							
				\$0.00	\$0.00		
				\$0.00	\$0.00		
						\$0.00	\$0.00
TOTAL Expenditures							\$76,530.20

Table A-2: Cost Allocation per claim Whitewater Property

Claim Number	Area	Number of Samples	Area covered in mapping, prospecting (ha)	% Cost allocation	Total Cost \$	
SOUTH BLOCK CLAIMS						\$56,759.90
1078108	415.26	34	400	28.33%	\$21,683.56	
1078135	394.58	40	300	33.33%	\$25,510.07	
1078152	332.4	15	100	12.50%	\$9,566.28	
NORTH BLOCK CLAIMS						\$19,770.30
1076510	475.91	28	100	23.33%	\$17,857.05	
1075878	248.83	0	0	0.00%	\$0.00	
1077955	414.74	3	50	2.50%	\$1,913.26	
	2281.72	120	950	100.00%	\$76,530.20	\$76,530.20

APPENDIX B
LABORATORY CERTIFICATE OF ANALYSIS

CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

PROJECT: WHITEWATER BC

AGAT WORK ORDER: 20T648415

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Sep 30, 2020

PAGES (INCLUDING COVER): 40

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(200-) Sample Login Weight

DATE SAMPLED: Sep 08, 2020 DATE RECEIVED: Sep 09, 2020 DATE REPORTED: Sep 30, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
WWS-20-01R (1431855)		1.2711
WWS-20-02R (1431856)		1.0201
WWS-20-03R (1431857)		1.2461
WWS-20-04R (1431858)		1.8101
WWS-20-05R (1431859)		0.6945
WWS-20-06R (1431860)		0.7499
WWS-20-07R (1431861)		1.0906
WWS-20-08R (1431862)		1.1612
WWS-20-09R (1431863)		1.4601
WWS-20-10R (1431864)		1.1303
WWS-20-11R (1431865)		1.7538
WWS-20-12R (1431866)		1.1218
WWS-20-13R (1431867)		2.5836
WWS-20-14R (1431868)		1.3277
WWS-20-15R (1431869)		0.6978
WWS-20-16R (1431870)		2.1056
WWS-20-17R (1431871)		1.2526
WWS-20-18R (1431872)		1.2771
WWS-20-19R (1431873)		1.2757
WWS-20-20R (1431874)		0.3552
WWS-20-21R (1431875)		0.8669
WWS-20-22R (1431876)		0.7529
WWS-20-23R (1431877)		1.9406
WWS-20-24R (1431878)		0.9678
WWS-20-25R (1431879)		1.4299
WWS-20-26R (1431880)		2.2307
WWS-20-27R (1431881)		0.8015
WWS-20-28R (1431882)		0.9448
WWS-20-29R (1431883)		1.0568
WWS-20-30R (1431884)		1.2003
WWS-20-31R (1431885)		0.6203

Certified By:





Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(200-) Sample Login Weight

DATE SAMPLED: Sep 08, 2020 DATE RECEIVED: Sep 09, 2020 DATE REPORTED: Sep 30, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
WWS-20-32R (1431886)		1.0979
WWS-20-33R (1431887)		0.8744
WWS-20-34R (1431888)		2.2913
WWS-20-35R (1431889)		1.0001
WWS-20-36R (1431890)		0.7955
WWS-20-37R (1431891)		1.1671
WWS-20-38R (1431892)		0.6073
WWS-20-39R (1431893)		1.1519
WWS-20-40R (1431894)		1.3951
WWS-20-41R (1431895)		1.2928
WWS-20-42R (1431896)		1.2448
WWS-20-43R (1431897)		1.6147
WWS-20-44R (1431898)		0.8005
WWS-20-45R (1431899)		2.5699
WWS-20-46R (1431900)		0.8567
WWS-20-47R (1431901)		0.8464
WWS-20-48R (1431902)		1.4797
WWS-20-49R (1431903)		1.5211
WWS-20-50R (1431904)		0.8581
WWS-20-51R (1431905)		0.8538
WWS-20-52R (1431906)		0.9001
WWS-20-53R (1431907)		1.2196
WWS-20-54R (1431908)		0.8241
WWS-20-55R (1431909)		0.6204
WWS-20-56R (1431910)		0.8519
WWS-20-57R (1431911)		1.4233
WWS-20-58R (1431912)		0.5442
WWS-20-59R (1431913)		0.9111
WWS-20-60R (1431914)		0.8626
WWS-20-61R (1431915)		1.1458
WWS-20-62R (1431916)		0.4214

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(200-) Sample Login Weight

DATE SAMPLED: Sep 08, 2020 DATE RECEIVED: Sep 09, 2020 DATE REPORTED: Sep 30, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
WWS-20-63R (1431917)		0.4121
WWS-20-64R (1431918)		0.5994
WWS-20-65R (1431919)		0.6413
WWS-20-66R (1431920)		0.3955
WWS-20-67R (1431921)		0.5572
WWS-20-68R (1431922)		0.6181
WWS-20-69R (1431923)		0.5965
WWS-20-70R (1431924)		0.7222
WWS-20-71R (1431925)		0.4352
WWS-20-72R (1431926)		0.8719
WWS-20-73R (1431927)		0.7427
WWS-20-74R (1431928)		1.0506
WWS-20-75R (1431929)		0.8628
WWS-20-76R (1431930)		0.5974
WWS-20-77R (1431931)		0.8174
WWS-20-78R (1431932)		0.7505
WWS-20-79R (1431933)		0.7239
WWS-20-80R (1431934)		0.8264
WWS-20-81R (1431935)		0.8331
WWS-20-82R (1431936)		0.7835
WWS-20-83R (1431937)		1.0091
WWS-20-84R (1431938)		0.9868
WWS-20-85R (1431939)		0.9993
WWS-20-86R (1431940)		1.1835
WWS-20-87R (1431941)		0.3544
WWS-20-88R (1431942)		0.5626
WWS-20-89R (1431943)		0.4286
WWS-20-90R (1431944)		0.3061
WWS-20-91R (1431945)		0.3017
WWS-20-92R (1431946)		0.4016
WWS-20-93R (1431947)		0.4971

Certified By:



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AGAT WORK ORDER: 20T648415

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(200-) Sample Login Weight

DATE SAMPLED: Sep 08, 2020 DATE RECEIVED: Sep 09, 2020 DATE REPORTED: Sep 30, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
WWS-20-94R (1431948)		0.3915
WWS-20-95R (1431949)		0.5189
WWS-20-96R (1431950)		0.4375
WWS-20-97R (1431951)		0.4478
WWS-20-98R (1431952)		0.5856
WWS-20-99R (1431953)		0.3134
WWS-20-100R (1431954)		0.5789
WWS-20-101R (1431955)		0.7684
WWS-20-102R (1431956)		0.4792
WWS-20-103R (1431957)		0.6361
WWS-20-104R (1431958)		0.6669
WWS-20-105R (1431959)		0.3738
WWS-20-106R (1431960)		0.8438
WWS-20-107R (1431961)		0.4551
WWS-20-108R (1431962)		0.8135
WWS-20-109R (1431963)		0.7971
WWS-20-110R (1431964)		0.6054
WWS-20-111R (1431965)		0.6723
WWS-20-112R (1431966)		0.7584
WWS-20-113R (1431967)		0.4952
WWS-20-114R (1431968)		0.3746
WWS-20-115R (1431969)		0.5695
WWS-20-116R (1431970)		0.5862
WWS-20-117R (1431971)		0.4796
WWS-20-118R (1431972)		0.7017
WWS-20-119R (1431973)		0.7541
WWS-20-120R (1431974)		0.5711
WWS-20-121R (1431975)		0.5341

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:





Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020							DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock		
Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.01	0.01	0.2	1	0.05	0.01	0.01	0.02	0.01	0.05	0.5	0.01	0.5	0.01	
WWS-20-01R (1431855)	1.77	6.72	15.4	272	1.87	0.25	0.09	0.46	29.1	11.5	63.7	4.72	28.7	5.28	
WWS-20-02R (1431856)	0.89	11.3	7.1	428	3.72	0.21	0.07	0.11	15.2	7.46	71.1	9.11	22.1	4.52	
WWS-20-03R (1431857)	0.47	10.1	5.4	354	2.25	0.44	0.05	1.61	57.3	27.5	113	8.35	135	8.50	
WWS-20-04R (1431858)	0.31	10.0	4.9	339	3.26	0.21	0.05	0.34	43.6	5.40	112	8.00	28.7	4.47	
WWS-20-05R (1431859)	0.63	2.10	1.6	84	0.61	0.23	0.04	0.20	7.65	4.89	120	1.61	9.7	1.87	
WWS-20-06R (1431860)	0.62	11.0	19.6	413	3.77	0.13	0.12	0.38	51.4	11.1	57.3	11.1	19.5	5.18	
WWS-20-07R (1431861)	5.09	1.30	2.4	43	0.17	0.13	0.04	0.33	11.1	2.02	81.9	0.70	2.9	1.14	
WWS-20-08R (1431862)	0.15	4.01	1.1	184	1.50	0.21	0.10	0.18	30.4	8.09	126	3.28	16.8	2.93	
WWS-20-09R (1431863)	0.32	1.26	0.8	43	0.32	0.24	0.04	0.17	9.57	4.29	90.8	1.18	7.3	1.87	
WWS-20-10R (1431864)	0.32	2.04	0.6	90	0.62	0.35	0.06	0.40	12.4	3.93	107	1.65	14.5	2.33	
WWS-20-11R (1431865)	0.45	2.62	0.6	110	0.82	0.69	0.48	0.53	13.2	6.16	126	1.97	21.6	3.26	
WWS-20-12R (1431866)	0.62	0.83	4.0	78	0.23	0.10	0.14	0.07	2.67	2.70	126	0.75	<0.5	2.20	
WWS-20-13R (1431867)	0.50	2.39	15.4	21	0.12	0.08	0.08	0.05	7.27	3.48	63.6	0.26	1.3	1.04	
WWS-20-14R (1431868)	0.81	0.39	4.8	58	0.11	0.01	0.04	0.05	14.9	0.98	55.1	0.30	1.8	0.39	
WWS-20-15R (1431869)	0.42	0.79	26.0	55	0.29	0.04	<0.01	0.08	9.49	3.07	223	0.96	6.1	1.48	
WWS-20-16R (1431870)	0.76	8.01	108	659	2.86	0.18	0.02	0.05	86.3	1.86	140	8.09	6.6	2.19	
WWS-20-17R (1431871)	0.93	5.24	5.2	43	1.65	21.0	2.85	0.24	8.43	38.2	129	1.64	246	7.59	
WWS-20-18R (1431872)	0.51	0.37	2.2	12	<0.05	0.03	0.02	0.04	0.39	2.65	55.5	0.29	3.5	0.71	
WWS-20-19R (1431873)	1.03	4.89	3.5	121	1.23	0.18	0.02	0.03	55.2	0.77	41.6	0.26	5.4	0.82	
WWS-20-20R (1431874)	1.94	7.04	11.5	747	0.96	0.54	0.02	0.18	34.5	1.33	59.1	0.35	8.7	1.90	
WWS-20-21R (1431875)	0.33	0.15	0.4	12	<0.05	0.02	<0.01	0.03	5.14	0.57	40.4	0.21	2.1	0.25	
WWS-20-22R (1431876)	0.05	0.11	0.4	10	<0.05	<0.01	<0.01	0.03	1.70	0.54	30.7	0.18	1.1	0.24	
WWS-20-23R (1431877)	0.10	0.17	0.9	16	<0.05	0.14	0.02	0.19	0.68	1.68	59.0	0.25	4.3	0.45	
WWS-20-24R (1431878)	0.26	0.47	2.0	20	0.08	0.07	0.08	0.33	0.57	1.79	116	0.34	3.3	1.26	
WWS-20-25R (1431879)	0.07	1.44	0.7	48	0.44	0.10	0.05	0.28	1.16	1.31	65.7	1.03	3.8	0.73	
WWS-20-26R (1431880)	0.45	7.73	2.4	219	1.76	0.24	0.05	0.18	14.4	17.6	85.9	4.92	102	6.24	
WWS-20-27R (1431881)	1.33	3.28	1.0	78	0.83	0.76	0.05	0.23	6.71	10.8	100	2.32	39.4	3.38	
WWS-20-28R (1431882)	0.84	0.26	0.5	20	<0.05	0.02	0.08	0.09	0.55	1.09	75.3	0.24	4.3	0.62	
WWS-20-29R (1431883)	1.19	8.49	9.2	467	2.14	0.13	0.13	0.08	73.0	16.5	110	6.02	21.9	4.70	
WWS-20-30R (1431884)	0.63	10.6	3.1	487	3.01	0.12	0.10	0.06	93.5	13.0	78.9	6.53	13.9	5.12	
WWS-20-31R (1431885)	0.32	11.2	3.7	510	3.68	0.21	0.06	0.07	102	11.7	75.7	7.31	17.4	4.42	
WWS-20-32R (1431886)	0.23	8.36	9.3	465	2.26	0.11	0.23	0.12	83.6	14.7	60.9	5.35	19.2	4.59	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020		DATE REPORTED: Sep 30, 2020		SAMPLE TYPE: Rock									
Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
RDL:	0.01	0.01	0.2	1	0.05	0.01	0.01	0.02	0.01	0.05	0.5	0.01	0.5	0.01
WWS-20-33R (1431887)	0.99	7.97	2.9	425	0.32	0.01	2.69	0.07	10.1	35.2	116	0.18	60.7	7.13
WWS-20-34R (1431888)	0.13	8.05	0.8	426	0.58	0.02	3.34	0.10	13.2	22.6	149	0.18	50.8	7.10
WWS-20-35R (1431889)	0.11	7.87	1.1	1550	0.79	0.02	4.50	0.13	13.3	25.8	131	0.62	54.3	7.24
WWS-20-36R (1431890)	0.31	8.18	0.9	652	0.28	0.02	4.47	0.07	10.6	13.5	107	0.17	33.2	7.12
WWS-20-37R (1431891)	0.36	8.39	7.8	360	2.14	0.10	0.12	0.20	41.0	10.8	70.7	6.50	37.5	5.42
WWS-20-38R (1431892)	0.46	8.82	8.3	396	2.48	0.17	0.15	0.32	42.0	14.3	90.4	6.92	21.7	4.54
WWS-20-39R (1431893)	0.57	0.98	1.1	43	0.26	0.67	0.02	0.33	3.25	5.01	253	0.90	5.7	1.47
WWS-20-40R (1431894)	0.52	1.35	1.6	60	0.40	0.10	0.05	0.15	3.38	4.80	249	1.41	11.5	1.77
WWS-20-41R (1431895)	0.12	1.37	0.6	58	0.30	0.13	0.06	0.12	3.11	3.81	97.6	1.08	6.3	1.62
WWS-20-42R (1431896)	0.29	8.54	15.0	371	2.57	0.21	0.10	0.13	67.3	15.7	50.3	6.59	26.1	4.31
WWS-20-43R (1431897)	0.80	0.03	0.6	3	<0.05	0.09	<0.01	0.05	0.30	1.62	58.1	0.07	1.3	0.48
WWS-20-44R (1431898)	>100	0.38	2.5	22	0.13	7.99	<0.01	0.04	1.81	1.51	69.5	0.34	5.8	1.05
WWS-20-45R (1431899)	0.75	0.45	1.1	25	0.11	0.85	0.02	0.46	0.96	1.38	69.8	0.66	4.2	0.58
WWS-20-46R (1431900)	0.51	0.60	3.1	34	0.14	0.54	0.01	0.39	1.61	1.36	63.8	0.95	5.7	0.84
WWS-20-47R (1431901)	0.28	0.98	8.2	39	0.31	0.25	0.02	0.30	3.49	6.15	98.0	1.13	12.4	1.54
WWS-20-48R (1431902)	1.25	0.99	0.9	40	0.28	0.06	0.05	0.14	8.83	2.52	76.3	0.85	12.4	1.00
WWS-20-49R (1431903)	0.09	0.90	2.0	51	0.26	0.12	0.04	0.23	9.46	2.21	54.3	0.77	6.4	0.78
WWS-20-50R (1431904)	0.38	0.38	1.8	20	0.15	0.77	1.67	0.24	2.77	2.06	106	0.36	7.3	1.04
WWS-20-51R (1431905)	0.32	0.40	2.3	22	0.16	0.51	1.87	0.22	3.35	3.75	86.2	0.38	30.8	0.85
WWS-20-52R (1431906)	0.46	0.75	2.4	44	0.17	0.10	0.04	0.15	4.22	2.08	73.9	0.76	7.4	0.73
WWS-20-53R (1431907)	0.28	10.4	2.5	517	3.22	0.17	0.10	0.06	72.6	14.2	55.2	7.49	38.4	4.34
WWS-20-54R (1431908)	0.41	10.0	1.2	316	3.87	0.08	0.11	0.12	38.5	18.0	121	6.45	22.0	4.45
WWS-20-55R (1431909)	0.52	1.09	3.9	44	0.39	0.19	0.04	0.05	7.46	10.6	105	0.82	30.4	1.43
WWS-20-56R (1431910)	0.06	0.70	1.2	21	0.14	0.09	0.07	0.06	2.92	1.75	80.8	0.34	3.5	0.52
WWS-20-57R (1431911)	0.44	0.74	2.1	37	0.20	0.86	0.04	0.12	2.63	2.47	73.3	0.62	59.5	0.61
WWS-20-58R (1431912)	0.05	0.23	0.4	12	0.06	0.02	0.01	0.10	1.30	0.99	41.9	0.25	2.3	0.37
WWS-20-59R (1431913)	0.08	0.60	1.2	14	0.10	0.08	0.03	0.10	1.65	2.15	63.6	0.21	6.6	0.72
WWS-20-60R (1431914)	0.77	0.65	1.7	33	0.23	0.39	0.05	0.16	4.23	2.70	83.8	0.60	9.0	0.93
WWS-20-61R (1431915)	0.59	0.36	1.0	15	0.10	0.44	0.07	0.20	1.33	1.90	64.4	0.29	11.9	0.72
WWS-20-62R (1431916)	0.28	0.55	3.4	2	<0.05	<0.01	0.13	0.20	0.14	105	1350	0.18	11.0	4.37
WWS-20-63R (1431917)	0.36	0.49	21.7	15	<0.05	0.01	0.12	0.24	0.12	118	1780	0.78	7.9	5.31
WWS-20-64R (1431918)	0.31	3.90	1.4	114	0.24	0.02	2.66	0.90	3.37	16.9	166	0.11	320	3.29

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.01	0.01	0.2	1	0.05	0.01	0.01	0.02	0.01	0.05	0.5	0.01	0.5	0.01	
WWS-20-65R (1431919)	0.40	5.71	1.4	183	0.33	0.08	3.72	0.13	7.57	60.0	246	0.10	251	6.39	
WWS-20-66R (1431920)	0.61	7.39	0.8	20	0.37	0.10	7.22	0.34	8.31	32.5	213	0.07	1030	7.65	
WWS-20-67R (1431921)	0.47	7.17	11.2	12	0.56	0.03	6.54	0.21	16.9	31.1	102	0.06	159	10.2	
WWS-20-68R (1431922)	0.17	1.06	0.9	26	0.06	0.02	0.90	0.12	0.90	6.94	103	0.97	95.5	1.40	
WWS-20-69R (1431923)	1.82	8.00	1.3	622	0.47	0.06	6.33	0.33	14.4	20.0	256	0.12	723	6.40	
WWS-20-70R (1431924)	0.76	7.96	1.0	127	0.41	0.08	9.13	0.47	9.22	27.3	65.6	0.06	469	6.69	
WWS-20-71R (1431925)	0.76	7.28	0.8	187	0.51	0.05	7.77	0.39	9.97	32.6	50.1	0.05	425	6.34	
WWS-20-72R (1431926)	0.27	1.34	1.9	37	0.25	0.12	0.09	0.08	16.1	3.05	96.3	0.79	6.9	0.92	
WWS-20-73R (1431927)	0.18	0.30	1.4	17	0.11	0.24	0.04	0.14	2.24	1.68	57.1	0.22	8.1	0.77	
WWS-20-74R (1431928)	0.17	0.25	0.6	13	0.07	0.30	0.02	0.14	2.79	1.44	69.4	0.16	1.6	1.04	
WWS-20-75R (1431929)	0.31	0.39	1.5	19	0.12	0.82	0.01	0.43	1.87	3.17	81.1	0.29	2.5	1.14	
WWS-20-76R (1431930)	0.61	0.14	3.4	18	0.06	0.05	0.01	0.74	2.19	2.89	128	0.69	4.7	2.37	
WWS-20-77R (1431931)	0.21	0.33	0.7	27	0.11	0.02	0.03	0.19	1.40	0.95	83.3	0.43	0.6	0.99	
WWS-20-78R (1431932)	0.10	0.65	3.3	25	0.20	0.09	0.08	0.12	3.35	2.08	328	0.53	21.1	1.01	
WWS-20-79R (1431933)	1.41	0.76	1.6	22	0.18	0.48	4.39	103	6.27	4.84	178	0.51	16.9	4.39	
WWS-20-80R (1431934)	1.12	6.17	10.6	243	1.83	1.38	0.15	0.50	54.7	10.8	93.3	3.36	9.5	2.68	
WWS-20-81R (1431935)	0.15	8.85	2.0	35	0.50	0.29	7.10	0.51	7.75	43.7	185	2.10	72.7	7.26	
WWS-20-82R (1431936)	0.30	8.10	1.4	16	0.42	0.07	6.03	0.18	7.42	43.2	168	0.56	61.3	6.52	
WWS-20-83R (1431937)	0.41	7.66	6.2	13	0.71	0.02	2.77	0.15	7.73	37.7	101	1.02	31.2	6.97	
WWS-20-84R (1431938)	1.19	7.56	2.1	18	0.95	0.06	4.97	0.16	12.1	42.9	92.1	0.41	54.5	8.47	
WWS-20-85R (1431939)	0.35	7.87	2.6	70	0.45	0.15	4.42	0.11	9.91	38.7	147	0.27	76.8	7.21	
WWS-20-86R (1431940)	0.10	3.50	5.0	49	1.62	0.05	9.27	0.21	247	52.7	142	0.39	65.0	7.51	
WWS-20-87R (1431941)	0.94	6.75	1.6	217	0.38	0.03	3.91	0.20	11.7	18.4	224	0.10	215	5.58	
WWS-20-88R (1431942)	0.21	9.46	2.0	1060	0.58	0.02	4.09	0.09	6.49	15.7	84.6	0.25	117	4.03	
WWS-20-89R (1431943)	0.13	2.92	0.8	67	0.14	0.04	1.94	0.09	2.71	3.84	116	0.03	25.2	2.40	
WWS-20-90R (1431944)	0.16	3.90	0.9	18	0.22	0.06	4.19	0.21	4.74	10.6	189	0.03	31.8	3.47	
WWS-20-91R (1431945)	0.39	4.28	0.8	21	0.23	0.04	3.94	0.18	4.43	11.9	170	0.04	31.8	3.45	
WWS-20-92R (1431946)	0.07	0.68	0.4	24	0.06	<0.01	0.30	0.03	0.33	0.79	65.0	0.04	15.2	0.64	
WWS-20-93R (1431947)	0.06	1.50	0.5	71	0.13	<0.01	0.46	0.04	1.21	1.79	72.1	0.07	13.4	0.50	
WWS-20-94R (1431948)	0.35	5.41	1.2	378	0.29	0.01	0.81	0.04	1.41	5.68	77.1	0.10	13.7	1.96	
WWS-20-95R (1431949)	0.64	7.35	1.3	13	0.62	0.03	7.39	0.33	13.9	49.0	110	0.04	88.1	7.84	
WWS-20-96R (1431950)	0.44	7.55	1.0	9	0.46	0.03	7.49	0.35	14.5	36.9	96.3	0.07	157	8.50	

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Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020							DATE REPORTED: Sep 30, 2020				SAMPLE TYPE: Rock			
Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.01	0.01	0.2	1	0.05	0.01	0.01	0.02	0.01	0.05	0.5	0.01	0.5	0.01	
WWS-20-97R (1431951)	0.10	2.52	0.9	94	0.18	0.03	1.16	0.06	1.88	6.14	123	0.06	73.1	1.80	
WWS-20-98R (1431952)	0.17	3.48	0.9	108	0.21	0.04	1.57	0.06	2.79	8.63	142	0.07	60.8	2.79	
WWS-20-99R (1431953)	0.24	2.93	1.0	7	0.26	0.03	3.13	0.20	7.23	16.2	150	0.05	218	4.44	
WWS-20-100R (1431954)	0.68	2.88	1.7	37	0.17	0.03	3.16	0.12	2.87	12.6	185	0.12	29.7	2.65	
WWS-20-101R (1431955)	1.08	6.57	1.2	6	0.52	0.03	6.93	3.01	18.0	38.8	75.7	0.09	953	8.74	
WWS-20-102R (1431956)	0.65	6.73	1.0	6	0.48	0.03	7.43	1.96	16.8	36.9	77.9	0.10	536	8.78	
WWS-20-103R (1431957)	0.26	4.54	0.6	35	0.24	0.02	3.25	0.22	5.78	25.7	227	0.08	72.6	5.28	
WWS-20-104R (1431958)	0.31	7.92	2.0	49	0.87	0.09	5.83	0.15	9.67	41.7	120	1.05	66.1	7.54	
WWS-20-105R (1431959)	0.14	8.26	1.7	42	0.70	0.12	6.95	0.15	10.2	38.8	106	0.42	50.1	7.09	
WWS-20-106R (1431960)	0.28	8.15	3.6	25	0.71	0.12	6.00	0.13	9.05	41.1	172	0.34	65.4	7.20	
WWS-20-107R (1431961)	0.09	8.46	1.7	50	0.89	0.12	4.56	0.19	10.9	46.1	178	0.66	29.5	7.94	
WWS-20-108R (1431962)	0.14	7.84	1.0	36	0.53	0.04	5.93	0.15	9.51	41.9	150	0.41	67.2	7.30	
WWS-20-109R (1431963)	0.20	8.19	2.3	32	0.49	0.01	5.98	0.15	10.7	41.7	163	0.35	51.7	7.52	
WWS-20-110R (1431964)	0.39	8.24	2.7	38	0.55	0.02	7.10	0.21	10.3	40.5	147	0.91	72.3	7.09	
WWS-20-111R (1431965)	0.65	8.38	2.1	20	0.63	0.03	7.44	0.15	10.2	41.0	185	0.32	47.1	7.80	
WWS-20-112R (1431966)	0.35	8.39	2.4	30	0.74	0.04	6.92	0.16	11.0	44.2	185	0.48	51.9	7.78	
WWS-20-113R (1431967)	0.20	8.06	1.3	33	0.53	0.10	3.99	0.11	10.1	42.6	100	0.79	62.6	7.71	
WWS-20-114R (1431968)	0.22	8.07	1.2	37	0.60	0.18	5.45	0.13	9.51	39.5	112	0.48	59.3	7.59	
WWS-20-115R (1431969)	0.06	8.65	1.8	39	0.53	0.08	5.14	0.15	10.2	43.5	101	0.49	70.6	8.44	
WWS-20-116R (1431970)	0.66	6.53	3.0	864	3.13	0.56	0.21	0.18	39.1	1.88	29.5	0.90	13.6	1.22	
WWS-20-117R (1431971)	0.45	5.98	1.4	939	3.25	0.06	0.15	0.20	29.1	1.72	37.1	0.60	4.2	0.96	
WWS-20-118R (1431972)	1.80	5.40	4.0	1040	2.17	0.06	0.15	0.08	31.9	1.19	45.5	0.96	9.7	0.80	
WWS-20-119R (1431973)	0.15	8.33	1.1	31	0.75	0.04	6.01	0.11	11.2	46.4	118	0.96	85.0	8.61	
WWS-20-120R (1431974)	0.11	8.21	1.4	27	0.56	0.02	5.80	0.12	9.85	40.9	110	0.35	50.0	6.73	
WWS-20-121R (1431975)	0.25	8.17	1.5	31	0.53	0.02	5.64	0.16	9.99	48.1	94.9	0.42	57.8	7.46	

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
Unit:	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.1	0.005	0.01	0.5	0.1	0.01	1	0.05	0.01	0.1	0.5	10	
WWS-20-01R (1431855)	16.8	<0.05	0.9	0.133	1.27	13.4	27.7	0.51	1050	12.2	0.58	4.7	34.5	359	
WWS-20-02R (1431856)	29.5	<0.05	1.7	0.083	2.00	7.8	39.6	0.65	224	14.2	1.28	10.0	32.0	241	
WWS-20-03R (1431857)	27.9	0.11	2.1	0.089	1.81	28.9	60.0	1.54	353	16.2	0.68	7.5	86.7	738	
WWS-20-04R (1431858)	25.3	<0.05	1.4	0.067	1.77	20.9	41.1	0.53	130	20.2	1.23	7.2	31.2	317	
WWS-20-05R (1431859)	5.62	0.07	0.3	0.021	0.38	3.6	12.8	0.23	698	19.3	0.19	2.1	16.6	126	
WWS-20-06R (1431860)	29.6	0.05	1.3	0.083	1.93	24.3	48.6	0.81	328	7.41	1.27	9.1	35.2	318	
WWS-20-07R (1431861)	2.33	<0.05	0.1	0.010	0.18	4.9	4.1	0.02	661	19.4	0.52	1.1	23.6	189	
WWS-20-08R (1431862)	10.4	<0.05	0.7	0.048	1.00	13.9	23.8	0.40	1540	17.1	0.39	3.0	19.4	515	
WWS-20-09R (1431863)	2.86	0.06	0.2	0.015	0.23	4.5	5.9	0.09	622	20.0	0.35	1.1	9.3	309	
WWS-20-10R (1431864)	5.28	<0.05	0.3	0.022	0.48	6.2	6.5	0.07	2060	21.8	0.45	2.0	13.6	269	
WWS-20-11R (1431865)	6.91	<0.05	0.2	0.035	0.59	6.4	11.2	0.22	2620	15.7	0.54	2.1	16.7	409	
WWS-20-12R (1431866)	2.35	0.08	<0.1	0.010	0.28	1.0	3.0	0.04	467	16.4	0.06	0.6	11.4	156	
WWS-20-13R (1431867)	3.37	<0.05	<0.1	0.006	0.05	3.3	1.2	<0.01	243	18.2	1.84	0.8	11.8	365	
WWS-20-14R (1431868)	1.22	<0.05	<0.1	<0.005	0.11	7.4	0.8	<0.01	65	19.2	0.09	0.7	5.9	163	
WWS-20-15R (1431869)	2.96	<0.05	0.2	0.016	0.23	4.6	2.3	0.02	93	23.5	0.09	1.0	12.1	98	
WWS-20-16R (1431870)	24.5	0.10	1.5	0.065	2.80	41.8	12.9	0.22	25	12.7	0.65	8.6	7.8	298	
WWS-20-17R (1431871)	15.7	0.12	0.5	0.029	0.37	3.1	32.6	2.13	1200	35.0	2.11	1.3	37.5	563	
WWS-20-18R (1431872)	0.98	0.09	<0.1	<0.005	0.10	<0.5	3.3	0.06	108	21.3	0.04	0.3	7.3	49	
WWS-20-19R (1431873)	20.5	<0.05	0.6	0.013	0.17	32.7	1.7	0.02	48	11.0	4.17	22.0	2.3	147	
WWS-20-20R (1431874)	30.1	<0.05	1.9	0.016	1.53	69.0	0.9	<0.01	51	49.3	4.51	41.6	3.2	176	
WWS-20-21R (1431875)	0.57	<0.05	<0.1	<0.005	0.04	2.5	0.4	<0.01	34	17.6	0.02	0.4	4.1	10	
WWS-20-22R (1431876)	0.44	<0.05	<0.1	<0.005	0.03	0.9	0.5	<0.01	42	18.9	0.01	0.3	3.7	<10	
WWS-20-23R (1431877)	0.68	<0.05	<0.1	<0.005	0.04	<0.5	0.7	0.01	192	24.4	0.02	0.4	6.5	80	
WWS-20-24R (1431878)	1.46	<0.05	<0.1	0.009	0.06	<0.5	3.2	0.10	386	26.0	0.04	0.5	8.2	286	
WWS-20-25R (1431879)	2.83	<0.05	<0.1	0.008	0.24	0.6	4.1	0.08	356	23.8	0.19	0.5	6.7	152	
WWS-20-26R (1431880)	22.3	<0.05	0.9	0.060	1.21	6.8	54.8	0.92	591	9.16	0.60	4.1	36.5	532	
WWS-20-27R (1431881)	9.36	<0.05	0.3	0.045	0.43	3.0	28.4	0.48	923	21.5	0.26	2.0	24.8	243	
WWS-20-28R (1431882)	0.90	<0.05	<0.1	<0.005	0.05	<0.5	1.8	0.06	187	21.9	0.02	0.3	5.6	358	
WWS-20-29R (1431883)	22.0	<0.05	1.2	0.069	1.99	34.9	37.9	1.22	646	7.90	0.53	6.5	38.8	598	
WWS-20-30R (1431884)	30.9	<0.05	1.1	0.090	2.18	45.7	48.1	1.08	447	2.77	1.00	9.0	31.5	661	
WWS-20-31R (1431885)	31.4	<0.05	1.3	0.092	2.26	49.3	47.5	0.83	395	1.74	1.23	9.2	29.9	482	
WWS-20-32R (1431886)	23.1	0.05	1.2	0.074	2.01	41.0	36.7	1.24	506	2.78	0.50	7.6	38.4	577	

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
Unit:	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.1	0.005	0.01	0.5	0.1	0.01	1	0.05	0.01	0.1	0.5	10	
WWS-20-33R (1431887)	19.2	0.16	0.7	0.061	0.16	3.2	19.1	4.23	1610	1.45	3.90	2.2	39.1	562	
WWS-20-34R (1431888)	15.6	0.21	1.0	0.069	0.20	4.4	19.5	4.14	1180	1.21	3.92	2.9	41.2	662	
WWS-20-35R (1431889)	19.2	0.17	0.9	0.076	1.01	5.1	19.3	4.27	1490	1.29	2.28	2.7	41.5	602	
WWS-20-36R (1431890)	22.4	0.22	0.8	0.087	0.23	3.3	15.4	3.98	1490	1.42	3.34	1.9	15.3	476	
WWS-20-37R (1431891)	24.1	<0.05	1.2	0.070	1.52	18.6	39.8	0.81	224	2.46	0.79	7.5	26.9	694	
WWS-20-38R (1431892)	22.2	<0.05	1.1	0.065	1.65	18.7	43.1	0.77	528	5.98	0.84	7.5	33.9	550	
WWS-20-39R (1431893)	2.95	<0.05	<0.1	0.029	0.18	1.5	4.4	0.10	512	28.1	0.09	1.1	10.6	99	
WWS-20-40R (1431894)	3.92	<0.05	<0.1	0.023	0.24	1.6	8.7	0.16	234	24.9	0.11	1.1	15.9	192	
WWS-20-41R (1431895)	3.62	0.09	<0.1	0.014	0.23	1.4	10.5	0.22	269	22.3	0.10	0.9	13.0	249	
WWS-20-42R (1431896)	23.4	<0.05	1.1	0.065	1.62	31.8	41.9	0.82	444	3.33	0.81	8.0	33.1	470	
WWS-20-43R (1431897)	0.26	<0.05	<0.1	<0.005	<0.01	<0.5	0.1	<0.01	118	20.9	<0.01	0.3	4.4	11	
WWS-20-44R (1431898)	1.08	0.09	<0.1	0.005	0.11	0.9	1.1	0.02	100	17.3	0.03	0.4	6.5	98	
WWS-20-45R (1431899)	1.39	0.07	<0.1	0.011	0.13	<0.5	1.2	0.03	345	22.5	0.03	0.4	6.6	53	
WWS-20-46R (1431900)	1.70	0.07	<0.1	0.013	0.18	0.8	1.3	0.02	670	17.3	0.05	0.5	7.0	85	
WWS-20-47R (1431901)	2.23	<0.05	0.1	0.010	0.19	1.5	4.6	0.05	443	20.5	0.10	0.8	18.2	99	
WWS-20-48R (1431902)	2.99	<0.05	0.1	0.020	0.22	4.4	6.2	0.13	386	22.4	0.08	1.2	9.6	173	
WWS-20-49R (1431903)	2.51	<0.05	<0.1	0.025	0.24	3.4	3.4	0.07	707	17.5	0.10	0.8	7.1	169	
WWS-20-50R (1431904)	1.15	0.19	<0.1	0.020	0.10	1.1	1.8	0.06	899	21.0	0.04	0.5	6.9	167	
WWS-20-51R (1431905)	1.21	0.26	<0.1	0.024	0.11	1.4	1.6	0.05	737	23.2	0.04	0.5	8.1	182	
WWS-20-52R (1431906)	2.15	<0.05	<0.1	0.012	0.23	1.9	2.2	0.06	280	22.2	0.05	0.7	6.7	70	
WWS-20-53R (1431907)	28.5	<0.05	1.6	0.091	2.40	35.6	42.7	1.07	246	2.40	0.87	8.6	27.3	493	
WWS-20-54R (1431908)	26.5	<0.05	1.2	0.077	1.38	18.4	58.6	0.93	696	8.25	1.28	7.7	45.9	308	
WWS-20-55R (1431909)	3.00	<0.05	0.1	0.012	0.23	3.5	7.8	0.16	191	21.1	0.09	1.0	17.5	173	
WWS-20-56R (1431910)	1.40	<0.05	<0.1	0.005	0.09	1.3	3.3	0.04	255	19.8	0.30	0.7	6.9	287	
WWS-20-57R (1431911)	2.05	<0.05	<0.1	0.022	0.19	1.3	2.4	0.07	271	24.9	0.12	0.7	8.5	145	
WWS-20-58R (1431912)	0.69	<0.05	<0.1	<0.005	0.05	<0.5	0.7	0.02	243	17.9	0.04	0.3	5.6	29	
WWS-20-59R (1431913)	0.92	<0.05	<0.1	0.009	0.05	0.9	1.2	0.02	534	20.5	0.34	0.4	7.8	124	
WWS-20-60R (1431914)	1.82	<0.05	<0.1	0.018	0.17	2.1	2.9	0.09	838	18.8	0.04	0.7	8.4	80	
WWS-20-61R (1431915)	0.99	0.05	<0.1	0.011	0.08	0.6	2.1	0.07	468	19.4	0.03	0.3	6.8	108	
WWS-20-62R (1431916)	1.34	<0.05	<0.1	0.005	<0.01	<0.5	1.3	19.9	687	1.30	0.02	<0.1	1860	<10	
WWS-20-63R (1431917)	1.11	<0.05	<0.1	0.008	<0.01	<0.5	0.6	21.1	1350	1.07	<0.01	<0.1	1890	21	
WWS-20-64R (1431918)	6.53	0.07	0.2	0.032	0.16	1.1	2.5	2.14	683	8.37	1.56	1.1	49.6	264	

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Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
Unit:	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.1	0.005	0.01	0.5	0.1	0.01	1	0.05	0.01	0.1	0.5	10	
WWS-20-65R (1431919)	9.93	0.05	0.5	0.048	0.17	3.3	1.6	1.94	745	17.5	2.33	3.0	58.2	370	
WWS-20-66R (1431920)	16.0	0.11	0.9	0.073	0.05	2.9	1.7	3.50	1250	67.0	2.37	3.2	38.0	399	
WWS-20-67R (1431921)	18.8	0.15	0.9	0.116	0.04	5.8	2.2	3.60	1590	2.83	1.56	7.0	36.6	938	
WWS-20-68R (1431922)	3.04	<0.05	<0.1	0.013	0.07	<0.5	1.7	0.44	238	12.3	0.06	0.5	12.2	88	
WWS-20-69R (1431923)	14.3	0.09	0.6	0.076	0.44	7.3	3.4	3.31	1160	25.8	2.48	13.7	49.1	410	
WWS-20-70R (1431924)	18.7	<0.05	0.8	0.100	0.12	3.4	0.8	3.24	1420	4.51	2.08	3.3	21.6	665	
WWS-20-71R (1431925)	13.7	0.05	0.7	0.083	0.17	3.6	0.8	3.55	1350	2.90	2.55	3.5	23.2	405	
WWS-20-72R (1431926)	2.99	<0.05	0.1	0.007	0.15	7.3	5.9	0.12	168	17.9	0.51	1.7	9.9	257	
WWS-20-73R (1431927)	0.77	0.10	<0.1	0.012	0.05	0.9	0.7	0.02	387	17.6	0.09	0.4	5.9	123	
WWS-20-74R (1431928)	0.56	0.15	<0.1	0.012	0.04	1.2	0.3	0.02	727	18.0	0.11	0.3	6.7	57	
WWS-20-75R (1431929)	0.94	0.12	<0.1	0.019	0.06	0.5	0.9	0.02	504	23.3	0.11	0.4	6.0	84	
WWS-20-76R (1431930)	0.51	0.28	<0.1	0.016	0.02	0.9	3.7	0.03	789	22.1	0.02	0.2	11.0	93	
WWS-20-77R (1431931)	0.91	0.19	<0.1	0.008	0.11	0.7	0.6	0.02	671	20.6	0.03	0.3	6.1	73	
WWS-20-78R (1431932)	1.52	0.12	0.1	0.013	0.14	1.6	2.3	0.04	306	22.3	0.11	0.8	8.1	62	
WWS-20-79R (1431933)	1.58	0.21	<0.1	0.074	0.12	2.0	3.0	1.30	2090	13.6	0.25	0.3	10.7	136	
WWS-20-80R (1431934)	15.0	<0.05	0.9	0.046	1.30	25.8	24.8	0.60	391	8.09	1.15	6.5	23.8	540	
WWS-20-81R (1431935)	18.2	0.13	1.0	0.070	0.66	2.5	31.3	4.09	1270	3.14	2.48	1.8	69.4	394	
WWS-20-82R (1431936)	15.6	0.14	1.0	0.063	0.17	2.3	16.9	4.14	1120	2.83	3.01	1.5	63.0	390	
WWS-20-83R (1431937)	15.1	0.08	1.0	0.071	0.15	2.5	18.5	3.21	1210	1.43	3.53	1.6	58.2	539	
WWS-20-84R (1431938)	17.7	0.26	0.8	0.086	0.14	3.9	14.6	3.37	1720	0.98	3.19	1.1	38.2	614	
WWS-20-85R (1431939)	11.8	0.12	0.6	0.062	0.47	3.2	14.3	4.22	1210	0.62	3.28	1.9	69.4	581	
WWS-20-86R (1431940)	18.0	0.74	<0.1	0.098	0.09	103	8.7	6.83	1300	0.97	0.04	0.7	195	4540	
WWS-20-87R (1431941)	12.6	0.06	0.5	0.060	0.24	5.3	4.6	2.53	858	9.68	2.59	7.3	40.0	618	
WWS-20-88R (1431942)	13.0	<0.05	0.6	0.037	0.86	2.5	4.7	2.21	670	2.08	4.11	3.7	25.1	319	
WWS-20-89R (1431943)	5.91	<0.05	0.2	0.026	0.08	1.0	1.3	0.80	406	15.7	1.03	0.6	13.0	173	
WWS-20-90R (1431944)	8.59	0.09	0.4	0.055	0.06	1.6	0.6	2.31	758	102	1.51	1.7	25.4	223	
WWS-20-91R (1431945)	9.17	<0.05	0.5	0.046	0.06	1.5	0.6	2.19	719	66.6	1.93	1.6	27.7	175	
WWS-20-92R (1431946)	1.17	<0.05	<0.1	<0.005	0.04	<0.5	<0.1	0.08	47	14.6	0.32	0.2	3.9	24	
WWS-20-93R (1431947)	1.15	<0.05	<0.1	<0.005	0.10	<0.5	0.2	0.24	75	12.0	0.93	0.2	11.6	43	
WWS-20-94R (1431948)	6.11	<0.05	0.1	0.009	0.39	0.5	1.9	0.79	289	11.9	3.13	0.7	9.0	337	
WWS-20-95R (1431949)	17.7	0.09	0.9	0.099	0.07	4.9	1.6	3.73	1440	3.51	2.46	6.0	43.2	765	
WWS-20-96R (1431950)	19.0	0.10	0.8	0.111	0.06	4.9	2.5	4.16	1530	3.47	1.90	5.9	38.5	783	

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
Unit:	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.1	0.005	0.01	0.5	0.1	0.01	1	0.05	0.01	0.1	0.5	10	
WWS-20-97R (1431951)	3.48	<0.05	0.2	0.015	0.14	0.7	1.2	0.62	249	15.4	1.15	0.6	12.1	219	
WWS-20-98R (1431952)	5.40	<0.05	0.1	0.018	0.16	0.9	2.0	0.82	322	17.1	1.37	0.6	9.4	114	
WWS-20-99R (1431953)	7.88	0.12	0.4	0.055	0.03	2.5	2.3	1.76	668	14.7	0.47	2.9	15.6	414	
WWS-20-100R (1431954)	6.83	0.14	0.3	0.030	0.07	1.0	1.1	1.83	577	13.3	0.81	1.1	27.6	132	
WWS-20-101R (1431955)	20.6	0.13	1.0	0.146	0.04	6.3	5.0	3.61	1640	5.47	0.75	7.5	33.7	953	
WWS-20-102R (1431956)	21.2	0.14	1.0	0.144	0.04	5.8	4.8	3.53	1650	5.91	0.59	7.1	32.7	901	
WWS-20-103R (1431957)	10.1	0.06	0.2	0.053	0.06	2.0	4.3	3.85	886	8.53	1.25	2.2	53.8	244	
WWS-20-104R (1431958)	17.7	0.05	1.0	0.081	0.36	3.2	13.6	3.63	1360	1.93	2.35	1.9	60.9	502	
WWS-20-105R (1431959)	21.0	0.52	0.9	0.084	0.31	3.3	19.8	3.41	1410	2.26	1.73	1.9	49.5	524	
WWS-20-106R (1431960)	15.8	0.08	1.1	0.068	0.19	3.0	15.8	4.29	1330	2.22	2.66	2.1	85.4	558	
WWS-20-107R (1431961)	18.8	0.13	0.8	0.075	0.38	3.6	20.3	4.60	1490	1.02	2.21	1.8	91.6	525	
WWS-20-108R (1431962)	15.3	0.08	1.1	0.075	0.15	3.0	11.2	4.41	1280	1.04	3.08	2.1	80.0	546	
WWS-20-109R (1431963)	16.9	0.12	1.0	0.079	0.15	3.8	13.6	4.34	1320	1.00	2.72	2.1	79.1	550	
WWS-20-110R (1431964)	19.7	0.11	1.2	0.079	0.18	3.5	10.6	3.79	1320	1.14	2.42	1.9	74.0	561	
WWS-20-111R (1431965)	19.6	0.08	1.3	0.080	0.12	3.3	13.0	4.37	1320	1.47	1.88	2.1	81.4	551	
WWS-20-112R (1431966)	20.3	0.08	1.3	0.084	0.17	3.8	17.5	4.36	1300	1.30	2.15	2.4	87.0	614	
WWS-20-113R (1431967)	15.8	0.10	0.7	0.078	0.39	3.4	16.1	3.97	1320	0.82	3.16	1.5	56.1	553	
WWS-20-114R (1431968)	17.6	0.10	1.0	0.079	0.46	3.0	13.7	3.67	1380	1.41	2.89	1.7	50.1	540	
WWS-20-115R (1431969)	18.8	0.18	0.9	0.090	0.22	3.2	17.9	4.12	1390	0.57	2.75	0.8	55.3	497	
WWS-20-116R (1431970)	21.0	<0.05	1.4	0.035	2.16	22.1	2.5	0.14	225	7.69	3.84	30.6	3.5	150	
WWS-20-117R (1431971)	16.8	<0.05	1.2	0.014	2.60	15.4	3.7	0.27	364	8.28	2.96	18.9	4.9	152	
WWS-20-118R (1431972)	15.8	<0.05	1.4	0.016	2.63	17.7	1.1	0.08	177	13.0	2.66	25.9	3.1	103	
WWS-20-119R (1431973)	19.6	0.18	1.2	0.085	0.21	3.8	15.7	4.05	1360	1.29	2.47	2.1	53.5	492	
WWS-20-120R (1431974)	17.1	0.10	1.2	0.076	0.48	3.2	10.8	3.42	1180	2.15	3.16	1.9	59.1	622	
WWS-20-121R (1431975)	18.6	0.09	1.3	0.083	0.53	3.1	14.0	3.76	1290	1.03	2.95	1.7	53.8	542	

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Certificate of Analysis

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAZ PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
RDL:	0.1	0.1	0.002	0.01	0.05	0.1	0.5	0.2	0.2	0.05	0.01	0.1	0.01	0.01	
Sample ID (AGAT ID)															
WWS-20-01R (1431855)	54.8	81.5	<0.002	<0.01	1.43	11.4	0.7	1.7	81.2	0.23	0.04	7.9	0.17	0.45	
WWS-20-02R (1431856)	26.0	135	<0.002	0.01	1.51	18.0	0.6	2.9	163	0.57	0.02	10.1	0.31	0.76	
WWS-20-03R (1431857)	33.9	138	<0.002	0.02	1.44	16.0	2.1	2.2	77.3	0.43	0.06	14.3	0.21	0.78	
WWS-20-04R (1431858)	35.6	116	0.002	0.02	1.33	16.3	2.3	2.5	144	0.36	0.02	10.8	0.25	0.65	
WWS-20-05R (1431859)	58.0	23.8	0.002	<0.01	0.58	3.4	<0.5	0.8	25.9	0.10	<0.01	2.5	0.06	0.14	
WWS-20-06R (1431860)	14.1	126	<0.002	0.01	1.67	16.1	0.6	2.8	206	0.49	0.02	11.2	0.28	0.67	
WWS-20-07R (1431861)	34.9	11.0	0.002	<0.01	0.90	2.0	<0.5	0.4	28.9	<0.05	<0.01	1.3	0.03	0.07	
WWS-20-08R (1431862)	17.8	59.9	0.002	<0.01	0.37	7.8	<0.5	1.3	121	0.14	0.03	5.2	0.09	0.31	
WWS-20-09R (1431863)	44.5	14.3	0.002	<0.01	0.33	2.8	<0.5	0.4	31.3	<0.05	<0.01	1.9	0.03	0.08	
WWS-20-10R (1431864)	63.4	31.3	0.002	<0.01	0.25	3.5	<0.5	0.7	66.5	0.09	0.03	2.7	0.05	0.16	
WWS-20-11R (1431865)	107	37.6	0.002	0.01	0.24	4.7	0.7	0.8	104	0.10	0.08	3.0	0.06	0.19	
WWS-20-12R (1431866)	9.3	16.4	<0.002	<0.01	0.54	1.5	<0.5	0.4	17.2	<0.05	<0.01	0.7	0.02	0.10	
WWS-20-13R (1431867)	12.4	2.9	<0.002	0.04	0.44	1.4	<0.5	0.3	78.3	<0.05	<0.01	1.3	0.02	0.01	
WWS-20-14R (1431868)	2.1	5.1	0.002	<0.01	0.60	0.5	<0.5	0.3	10.3	<0.05	<0.01	0.9	0.02	0.02	
WWS-20-15R (1431869)	9.7	14.2	0.002	0.01	1.37	1.5	<0.5	0.5	18.5	<0.05	0.02	1.8	0.03	0.09	
WWS-20-16R (1431870)	20.6	163	<0.002	0.02	1.77	13.0	1.4	2.6	198	0.61	0.25	11.2	0.27	0.89	
WWS-20-17R (1431871)	23.2	12.1	0.003	0.37	0.92	15.5	1.5	1.0	48.9	0.07	12.0	0.1	0.42	0.09	
WWS-20-18R (1431872)	1.3	3.2	0.003	<0.01	0.41	0.4	<0.5	0.2	1.8	<0.05	<0.01	<0.1	<0.01	0.02	
WWS-20-19R (1431873)	5.2	5.1	<0.002	0.01	0.33	0.5	<0.5	1.2	207	0.95	0.07	4.6	0.05	0.03	
WWS-20-20R (1431874)	20.3	28.0	<0.002	0.02	0.52	0.8	0.5	1.9	303	1.59	0.12	8.4	0.07	0.17	
WWS-20-21R (1431875)	1.1	2.8	<0.002	<0.01	0.16	0.2	<0.5	0.2	1.7	<0.05	<0.01	0.4	<0.01	0.01	
WWS-20-22R (1431876)	0.7	2.3	0.002	<0.01	0.15	0.2	<0.5	0.2	1.3	<0.05	<0.01	0.2	<0.01	<0.01	
WWS-20-23R (1431877)	11.1	2.8	0.002	<0.01	0.24	0.4	<0.5	0.3	3.2	<0.05	<0.01	0.2	<0.01	0.01	
WWS-20-24R (1431878)	23.4	4.2	0.003	0.01	0.32	1.1	<0.5	0.3	5.3	<0.05	<0.01	0.3	0.01	0.02	
WWS-20-25R (1431879)	7.7	14.6	0.003	<0.01	0.22	1.8	<0.5	0.5	24.4	<0.05	<0.01	0.3	0.01	0.08	
WWS-20-26R (1431880)	31.9	83.6	<0.002	0.01	0.65	12.2	<0.5	1.6	66.1	0.17	<0.01	9.0	0.16	0.45	
WWS-20-27R (1431881)	69.8	29.4	0.002	<0.01	0.60	5.2	<0.5	0.9	29.9	0.08	0.02	4.0	0.07	0.16	
WWS-20-28R (1431882)	4.2	3.1	0.002	<0.01	0.17	0.6	<0.5	0.2	2.9	<0.05	<0.01	0.2	<0.01	0.01	
WWS-20-29R (1431883)	12.9	119	<0.002	0.03	0.57	15.2	<0.5	2.1	83.2	0.47	0.02	11.0	0.20	0.60	
WWS-20-30R (1431884)	14.6	139	<0.002	0.01	0.57	18.6	0.5	2.6	156	0.71	0.05	13.5	0.25	0.69	
WWS-20-31R (1431885)	22.8	145	<0.002	0.01	0.76	19.2	0.6	2.9	188	1.02	0.08	13.8	0.25	0.75	
WWS-20-32R (1431886)	12.1	127	<0.002	0.03	0.39	14.5	<0.5	2.3	85.0	0.44	0.01	11.5	0.23	0.63	

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DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
RDL:	0.1	0.1	0.002	0.01	0.05	0.1	0.5	0.2	0.2	0.05	0.01	0.1	0.01	0.01	
WWS-20-33R (1431887)	1.5	3.0	<0.002	0.32	0.27	39.0	1.2	0.9	135	0.15	<0.01	0.2	0.92	0.01	
WWS-20-34R (1431888)	1.3	3.7	<0.002	0.08	0.26	32.1	1.4	1.1	134	0.18	<0.01	0.3	0.96	0.01	
WWS-20-35R (1431889)	2.4	19.3	<0.002	0.07	0.37	32.1	1.2	1.4	157	0.15	<0.01	0.4	0.89	0.08	
WWS-20-36R (1431890)	1.7	3.5	<0.002	0.11	0.65	40.1	1.1	1.2	329	0.13	0.01	0.2	0.95	0.02	
WWS-20-37R (1431891)	14.8	105	<0.002	0.01	0.61	13.9	0.5	2.2	99.7	0.48	<0.01	10.8	0.23	0.57	
WWS-20-38R (1431892)	27.2	101	<0.002	<0.01	0.79	14.5	<0.5	2.1	108	0.38	<0.01	10.1	0.27	0.54	
WWS-20-39R (1431893)	90.1	13.3	0.003	<0.01	0.27	1.9	<0.5	0.5	10.5	<0.05	0.06	1.1	0.03	0.07	
WWS-20-40R (1431894)	10.2	16.0	0.002	0.02	0.48	2.3	<0.5	0.6	15.2	<0.05	<0.01	1.7	0.03	0.09	
WWS-20-41R (1431895)	13.7	13.2	0.003	0.01	0.33	2.0	<0.5	0.5	13.4	<0.05	<0.01	0.9	0.03	0.07	
WWS-20-42R (1431896)	16.9	104	<0.002	<0.01	0.50	14.4	0.6	2.3	115	0.42	0.03	11.8	0.26	0.56	
WWS-20-43R (1431897)	12.2	0.4	0.003	0.01	0.31	0.2	<0.5	0.2	0.6	<0.05	0.03	<0.1	<0.01	<0.01	
WWS-20-44R (1431898)	125	5.7	0.002	0.01	0.44	0.6	0.7	0.4	5.6	<0.05	6.04	0.3	0.01	0.02	
WWS-20-45R (1431899)	36.9	9.1	0.002	0.02	0.39	0.7	<0.5	0.4	3.8	<0.05	0.20	0.3	<0.01	0.05	
WWS-20-46R (1431900)	53.5	11.7	<0.002	0.02	0.57	1.0	<0.5	0.4	4.1	<0.05	0.07	0.5	0.01	0.06	
WWS-20-47R (1431901)	25.6	11.4	0.003	0.15	1.76	1.6	0.6	0.4	10.0	<0.05	0.01	1.0	0.03	0.06	
WWS-20-48R (1431902)	21.2	13.8	0.002	<0.01	0.25	2.4	<0.5	0.5	15.8	<0.05	0.01	1.4	0.03	0.07	
WWS-20-49R (1431903)	25.3	13.9	0.002	0.02	0.25	4.1	<0.5	0.5	15.0	<0.05	<0.01	1.3	0.02	0.07	
WWS-20-50R (1431904)	94.1	6.0	0.003	0.03	0.23	1.6	<0.5	0.4	39.8	<0.05	0.12	0.5	<0.01	0.03	
WWS-20-51R (1431905)	66.1	6.5	0.002	0.04	2.22	1.8	<0.5	0.4	45.8	<0.05	0.08	0.4	0.01	0.03	
WWS-20-52R (1431906)	10.9	14.3	0.003	0.03	0.23	1.5	<0.5	0.4	6.9	<0.05	0.01	0.7	0.02	0.09	
WWS-20-53R (1431907)	20.7	150	<0.002	0.01	0.71	18.8	0.5	2.8	149	0.55	0.04	12.1	0.26	0.76	
WWS-20-54R (1431908)	52.0	85.6	<0.002	0.01	1.41	15.4	0.5	2.3	178	0.53	0.01	11.0	0.23	0.44	
WWS-20-55R (1431909)	13.1	13.4	0.002	0.15	0.72	1.8	<0.5	0.5	15.6	<0.05	0.03	1.4	0.03	0.07	
WWS-20-56R (1431910)	8.9	5.5	0.002	<0.01	0.28	0.7	<0.5	0.3	8.4	<0.05	<0.01	0.6	0.02	0.03	
WWS-20-57R (1431911)	60.8	11.2	0.003	0.01	0.26	1.0	<0.5	0.4	8.8	<0.05	0.16	0.4	0.02	0.06	
WWS-20-58R (1431912)	3.6	3.5	0.002	<0.01	0.21	0.3	<0.5	0.2	3.0	<0.05	<0.01	0.2	<0.01	0.02	
WWS-20-59R (1431913)	12.3	2.6	0.002	<0.01	0.42	0.9	<0.5	0.3	13.7	<0.05	<0.01	0.4	<0.01	0.01	
WWS-20-60R (1431914)	35.9	10.4	0.002	0.01	0.36	1.1	<0.5	0.4	8.1	<0.05	0.06	0.8	0.02	0.05	
WWS-20-61R (1431915)	47.0	4.6	0.002	0.02	0.62	0.6	<0.5	0.3	5.0	<0.05	0.05	0.3	<0.01	0.02	
WWS-20-62R (1431916)	3.2	0.2	<0.002	<0.01	1.32	7.9	<0.5	<0.2	0.5	<0.05	<0.01	<0.1	0.01	<0.01	
WWS-20-63R (1431917)	5.1	0.3	<0.002	<0.01	3.73	10.5	<0.5	<0.2	1.0	<0.05	<0.01	<0.1	<0.01	<0.01	
WWS-20-64R (1431918)	2.1	2.3	<0.002	0.10	0.13	19.2	0.5	0.4	61.1	<0.05	<0.01	<0.1	0.33	<0.01	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
RDL:	0.1	0.1	0.002	0.01	0.05	0.1	0.5	0.2	0.2	0.05	0.01	0.1	0.01	0.01	
Sample ID (AGAT ID)															
WWS-20-65R (1431919)	1.8	2.0	0.016	1.49	0.20	29.9	2.6	0.6	80.8	0.15	0.07	0.2	0.61	<0.01	
WWS-20-66R (1431920)	5.1	0.3	0.345	0.71	0.31	40.3	2.9	0.8	54.9	0.20	0.08	0.3	0.81	0.02	
WWS-20-67R (1431921)	2.3	0.3	0.002	0.47	0.32	42.7	2.4	1.6	107	0.41	0.03	0.5	1.42	<0.01	
WWS-20-68R (1431922)	2.7	3.2	0.003	0.05	0.14	3.3	<0.5	0.3	13.9	<0.05	<0.01	<0.1	0.08	0.16	
WWS-20-69R (1431923)	2.4	5.3	0.033	0.20	0.17	35.3	2.0	0.8	195	0.73	0.05	1.1	0.68	0.03	
WWS-20-70R (1431924)	3.9	1.3	<0.002	0.32	0.17	38.3	1.4	0.9	204	0.22	0.02	0.3	0.70	<0.01	
WWS-20-71R (1431925)	2.9	1.6	<0.002	0.31	0.15	38.2	1.6	0.8	158	0.22	0.02	0.3	0.70	<0.01	
WWS-20-72R (1431926)	10.1	9.1	0.002	<0.01	0.39	1.8	<0.5	0.5	13.3	0.08	<0.01	2.9	0.06	0.05	
WWS-20-73R (1431927)	116	2.9	0.002	<0.01	0.30	1.2	<0.5	0.3	3.6	<0.05	0.04	0.3	<0.01	0.01	
WWS-20-74R (1431928)	96.3	2.1	<0.002	<0.01	0.20	1.5	<0.5	0.2	3.3	<0.05	0.03	0.2	<0.01	<0.01	
WWS-20-75R (1431929)	229	3.9	0.002	<0.01	0.51	1.3	<0.5	0.3	3.8	<0.05	0.15	0.3	<0.01	0.02	
WWS-20-76R (1431930)	11.3	1.0	0.003	<0.01	1.39	1.1	<0.5	0.2	2.4	<0.05	<0.01	0.3	<0.01	<0.01	
WWS-20-77R (1431931)	5.0	6.3	0.002	<0.01	0.25	0.8	<0.5	0.3	4.7	<0.05	<0.01	0.2	<0.01	0.03	
WWS-20-78R (1431932)	8.3	7.9	0.003	<0.01	0.29	1.5	<0.5	0.4	9.8	<0.05	<0.01	1.0	0.02	0.04	
WWS-20-79R (1431933)	613	6.2	0.002	0.19	0.49	14.0	1.1	1.1	69.7	<0.05	0.11	0.7	<0.01	0.03	
WWS-20-80R (1431934)	217	76.3	<0.002	<0.01	0.34	10.2	0.6	1.6	74.6	0.35	0.32	8.2	0.23	0.40	
WWS-20-81R (1431935)	19.4	29.3	<0.002	0.09	0.76	38.6	1.0	0.9	224	0.19	<0.01	0.2	0.75	0.19	
WWS-20-82R (1431936)	5.0	6.1	<0.002	0.08	0.56	37.1	1.1	0.9	135	0.15	<0.01	0.1	0.71	0.04	
WWS-20-83R (1431937)	3.0	4.4	<0.002	0.06	1.89	34.1	1.1	1.1	65.2	0.11	<0.01	0.1	0.83	0.02	
WWS-20-84R (1431938)	3.4	2.8	<0.002	0.07	0.55	37.5	1.4	1.2	269	<0.05	<0.01	0.1	1.01	<0.01	
WWS-20-85R (1431939)	2.5	13.4	<0.002	0.09	0.37	37.1	1.2	0.9	222	0.12	<0.01	0.1	0.93	0.07	
WWS-20-86R (1431940)	2.2	3.3	<0.002	0.20	<0.05	15.4	1.1	0.5	601	<0.05	0.01	2.8	0.48	0.03	
WWS-20-87R (1431941)	4.5	2.8	<0.002	0.14	0.27	30.2	1.7	0.9	85.8	0.40	<0.01	0.6	0.72	<0.01	
WWS-20-88R (1431942)	2.6	8.4	<0.002	0.11	0.18	22.2	1.0	0.6	116	0.24	<0.01	0.4	0.47	0.03	
WWS-20-89R (1431943)	2.3	1.6	0.002	0.13	0.13	11.8	0.7	0.5	51.7	<0.05	0.01	0.1	0.24	<0.01	
WWS-20-90R (1431944)	3.1	0.6	0.017	0.10	0.20	23.4	1.3	0.7	46.2	0.08	<0.01	0.1	0.46	<0.01	
WWS-20-91R (1431945)	2.8	0.7	0.012	0.09	0.17	22.7	1.1	0.6	36.0	0.08	<0.01	0.1	0.44	<0.01	
WWS-20-92R (1431946)	3.0	0.7	<0.002	0.01	<0.05	1.0	<0.5	0.2	4.2	<0.05	<0.01	<0.1	0.03	<0.01	
WWS-20-93R (1431947)	1.3	1.8	<0.002	0.01	<0.05	1.5	<0.5	<0.2	14.2	<0.05	<0.01	<0.1	0.03	<0.01	
WWS-20-94R (1431948)	2.3	4.5	0.002	0.04	0.07	5.8	<0.5	0.3	42.6	<0.05	<0.01	<0.1	0.13	<0.01	
WWS-20-95R (1431949)	2.8	0.4	<0.002	0.31	0.17	40.5	1.8	1.4	108	0.33	<0.01	0.5	1.13	<0.01	
WWS-20-96R (1431950)	2.3	0.4	0.005	0.22	0.12	43.2	2.0	1.3	109	0.34	0.02	0.4	1.20	<0.01	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020					DATE REPORTED: Sep 30, 2020					SAMPLE TYPE: Rock				
Analyte:	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
RDL:	0.1	0.1	0.002	0.01	0.05	0.1	0.5	0.2	0.2	0.05	0.01	0.1	0.01	0.01	
Sample ID (AGAT ID)															
WWS-20-97R (1431951)	2.0	2.8	<0.002	0.22	0.06	8.4	0.8	0.3	29.6	<0.05	<0.01	<0.1	0.20	<0.01	
WWS-20-98R (1431952)	2.0	3.4	<0.002	0.72	0.16	10.7	1.3	0.4	41.3	<0.05	0.02	0.1	0.26	0.02	
WWS-20-99R (1431953)	2.2	0.3	0.002	0.23	0.11	18.0	1.0	0.8	45.8	0.13	<0.01	0.2	0.67	<0.01	
WWS-20-100R (1431954)	1.7	1.1	0.002	0.05	0.07	15.5	0.6	0.5	42.6	<0.05	<0.01	<0.1	0.29	<0.01	
WWS-20-101R (1431955)	5.5	0.3	0.006	0.53	0.18	38.9	2.1	1.8	149	0.44	0.04	0.5	1.43	<0.01	
WWS-20-102R (1431956)	5.4	0.3	0.007	0.50	0.17	38.3	2.1	1.8	169	0.43	0.03	0.5	1.44	<0.01	
WWS-20-103R (1431957)	2.3	0.6	0.004	0.29	0.09	26.3	1.2	0.8	27.0	0.12	0.01	0.1	0.51	<0.01	
WWS-20-104R (1431958)	3.6	14.3	<0.002	0.08	0.45	37.4	1.3	1.2	232	0.14	<0.01	0.1	0.91	0.08	
WWS-20-105R (1431959)	3.9	10.1	<0.002	0.11	0.51	36.3	1.2	1.2	292	0.16	<0.01	0.1	0.90	0.05	
WWS-20-106R (1431960)	4.0	5.2	<0.002	0.20	0.37	35.8	1.3	1.0	160	0.15	0.01	0.2	0.90	0.04	
WWS-20-107R (1431961)	5.0	13.1	<0.002	0.06	0.24	38.9	1.2	1.3	159	0.14	<0.01	0.2	0.92	0.08	
WWS-20-108R (1431962)	1.6	3.4	0.002	0.21	0.24	36.2	1.4	1.1	198	0.15	<0.01	0.1	0.89	0.02	
WWS-20-109R (1431963)	1.6	3.4	<0.002	0.09	0.23	38.0	1.2	1.2	363	0.14	0.01	0.2	0.94	0.02	
WWS-20-110R (1431964)	2.1	4.8	<0.002	0.10	0.28	35.0	1.3	1.3	439	0.12	0.01	0.1	0.91	0.02	
WWS-20-111R (1431965)	1.8	2.8	<0.002	0.10	0.32	37.0	1.2	1.6	225	0.16	<0.01	0.1	0.93	<0.01	
WWS-20-112R (1431966)	1.8	4.7	<0.002	0.09	0.38	38.3	1.3	1.4	220	0.16	<0.01	0.1	0.96	0.02	
WWS-20-113R (1431967)	3.3	11.3	<0.002	0.06	0.17	37.3	1.3	1.0	146	0.09	<0.01	0.1	0.95	0.05	
WWS-20-114R (1431968)	5.3	11.0	<0.002	0.14	0.32	38.0	1.3	1.2	193	0.13	0.01	0.1	0.94	0.05	
WWS-20-115R (1431969)	3.3	6.0	<0.002	0.07	0.17	38.0	1.2	1.2	209	<0.05	<0.01	0.1	0.89	0.03	
WWS-20-116R (1431970)	48.7	32.7	<0.002	0.11	0.20	2.1	0.6	1.8	650	0.99	0.19	8.3	0.08	0.14	
WWS-20-117R (1431971)	11.9	41.9	<0.002	<0.01	0.18	2.3	<0.5	0.9	369	0.61	<0.01	6.2	0.06	0.17	
WWS-20-118R (1431972)	13.0	35.0	<0.002	0.03	0.11	1.4	<0.5	1.6	460	0.77	<0.01	6.6	0.07	0.14	
WWS-20-119R (1431973)	2.4	6.0	<0.002	0.08	0.15	39.4	1.3	1.2	158	0.10	<0.01	0.3	0.94	0.03	
WWS-20-120R (1431974)	2.3	15.0	0.003	0.10	0.46	36.3	1.3	1.0	117	0.12	<0.01	0.1	0.89	0.07	
WWS-20-121R (1431975)	2.2	17.0	<0.002	0.12	0.30	37.1	1.3	1.1	110	0.09	<0.01	0.1	0.93	0.08	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020			DATE REPORTED: Sep 30, 2020			SAMPLE TYPE: Rock
Analyte:	U	V	W	Y	Zn	Zr	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.005	0.5	0.1	0.1	0.5	0.5	
Sample ID (AGAT ID)							
WWS-20-01R (1431855)	2.00	84.7	0.3	5.6	78.2	33.4	
WWS-20-02R (1431856)	2.03	175	0.8	4.4	68.9	58.5	
WWS-20-03R (1431857)	3.98	383	0.6	9.9	235	80.1	
WWS-20-04R (1431858)	1.54	156	0.5	4.2	69.2	57.6	
WWS-20-05R (1431859)	0.360	28.3	0.2	2.6	44.4	8.8	
WWS-20-06R (1431860)	2.03	133	0.7	4.4	80.2	48.8	
WWS-20-07R (1431861)	0.267	9.3	<0.1	3.2	16.1	4.7	
WWS-20-08R (1431862)	1.03	46.8	0.6	5.1	40.2	24.4	
WWS-20-09R (1431863)	0.428	13.6	0.2	2.3	19.3	6.6	
WWS-20-10R (1431864)	0.383	23.3	0.5	5.1	17.6	9.8	
WWS-20-11R (1431865)	0.371	29.7	0.4	7.2	28.3	8.4	
WWS-20-12R (1431866)	0.334	10.0	<0.1	5.5	29.2	2.5	
WWS-20-13R (1431867)	0.246	5.4	0.4	2.4	13.1	2.1	
WWS-20-14R (1431868)	0.106	5.1	0.3	1.1	7.5	1.4	
WWS-20-15R (1431869)	0.291	13.1	0.9	1.2	34.1	6.0	
WWS-20-16R (1431870)	1.79	93.8	3.7	4.0	33.0	52.7	
WWS-20-17R (1431871)	0.690	75.0	7.2	16.8	40.6	14.2	
WWS-20-18R (1431872)	0.018	14.0	<0.1	0.3	8.4	0.5	
WWS-20-19R (1431873)	0.476	9.2	1.5	2.6	14.0	18.3	
WWS-20-20R (1431874)	1.70	17.0	5.5	5.5	48.7	59.1	
WWS-20-21R (1431875)	0.023	3.2	<0.1	0.2	3.2	<0.5	
WWS-20-22R (1431876)	0.014	2.8	<0.1	0.1	1.4	<0.5	
WWS-20-23R (1431877)	0.058	4.2	<0.1	0.8	4.3	0.5	
WWS-20-24R (1431878)	0.207	8.5	<0.1	1.3	18.8	1.2	
WWS-20-25R (1431879)	0.080	12.4	<0.1	1.1	9.0	1.1	
WWS-20-26R (1431880)	1.73	92.3	0.3	3.6	107	30.5	
WWS-20-27R (1431881)	0.736	37.7	0.1	3.0	62.3	12.2	
WWS-20-28R (1431882)	0.039	5.2	<0.1	0.9	9.2	0.5	
WWS-20-29R (1431883)	1.48	105	0.5	6.9	91.3	42.5	
WWS-20-30R (1431884)	1.42	108	0.5	4.7	81.3	37.0	
WWS-20-31R (1431885)	1.47	110	0.6	4.3	63.3	41.2	
WWS-20-32R (1431886)	1.61	101	0.6	7.1	87.2	48.6	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020				DATE REPORTED: Sep 30, 2020		SAMPLE TYPE: Rock
Analyte:	U	V	W	Y	Zn	Zr	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.005	0.5	0.1	0.1	0.5	0.5	
WWS-20-33R (1431887)	0.056	311	0.4	28.1	86.9	17.3	
WWS-20-34R (1431888)	0.073	261	0.1	29.0	84.6	25.5	
WWS-20-35R (1431889)	0.097	264	0.2	29.0	84.1	26.4	
WWS-20-36R (1431890)	0.076	344	0.2	32.6	80.5	17.2	
WWS-20-37R (1431891)	1.50	103	0.6	3.4	81.9	41.3	
WWS-20-38R (1431892)	1.51	106	0.6	4.3	81.0	39.7	
WWS-20-39R (1431893)	0.187	13.6	0.1	1.7	21.0	2.7	
WWS-20-40R (1431894)	0.415	18.5	<0.1	2.0	24.2	3.2	
WWS-20-41R (1431895)	0.197	18.3	<0.1	1.6	25.7	2.6	
WWS-20-42R (1431896)	1.83	99.8	0.6	4.4	78.7	42.1	
WWS-20-43R (1431897)	0.054	1.6	<0.1	0.3	6.8	<0.5	
WWS-20-44R (1431898)	0.067	6.1	<0.1	0.3	10.9	1.3	
WWS-20-45R (1431899)	0.092	7.1	<0.1	0.4	11.4	0.9	
WWS-20-46R (1431900)	0.118	8.5	<0.1	0.8	9.0	1.3	
WWS-20-47R (1431901)	0.310	12.4	0.2	1.3	26.8	3.6	
WWS-20-48R (1431902)	0.165	12.4	0.2	2.7	15.5	4.2	
WWS-20-49R (1431903)	0.148	11.5	<0.1	3.8	15.9	2.6	
WWS-20-50R (1431904)	0.110	5.7	<0.1	5.1	16.5	1.5	
WWS-20-51R (1431905)	0.108	5.6	<0.1	5.4	13.1	1.4	
WWS-20-52R (1431906)	0.094	10.2	<0.1	3.5	10.2	1.7	
WWS-20-53R (1431907)	1.83	137	0.7	4.7	77.6	55.4	
WWS-20-54R (1431908)	1.35	105	0.7	5.1	102	37.8	
WWS-20-55R (1431909)	0.233	13.4	<0.1	1.3	17.2	3.7	
WWS-20-56R (1431910)	0.115	6.4	<0.1	1.0	5.8	1.8	
WWS-20-57R (1431911)	0.071	9.1	<0.1	1.3	7.9	1.6	
WWS-20-58R (1431912)	0.059	3.6	<0.1	0.8	3.7	1.1	
WWS-20-59R (1431913)	0.210	4.4	<0.1	1.0	5.3	1.3	
WWS-20-60R (1431914)	0.174	8.1	<0.1	2.1	16.1	1.9	
WWS-20-61R (1431915)	0.100	4.7	<0.1	1.5	16.6	0.7	
WWS-20-62R (1431916)	0.005	39.0	1.2	0.3	53.3	0.8	
WWS-20-63R (1431917)	0.007	42.2	0.3	0.6	49.5	<0.5	
WWS-20-64R (1431918)	0.035	132	<0.1	10.3	143	3.4	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020				DATE REPORTED: Sep 30, 2020		SAMPLE TYPE: Rock
Analyte:	U	V	W	Y	Zn	Zr	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.005	0.5	0.1	0.1	0.5	0.5	
Sample ID (AGAT ID)							
WWS-20-65R (1431919)	0.083	186	<0.1	21.0	71.0	8.7	
WWS-20-66R (1431920)	0.087	293	0.1	24.3	90.5	19.2	
WWS-20-67R (1431921)	0.209	446	<0.1	43.5	114	16.8	
WWS-20-68R (1431922)	0.015	42.7	<0.1	2.1	22.2	1.3	
WWS-20-69R (1431923)	0.207	247	0.1	21.8	111	13.9	
WWS-20-70R (1431924)	0.233	318	0.1	25.8	90.9	16.2	
WWS-20-71R (1431925)	0.255	276	<0.1	23.0	98.5	12.2	
WWS-20-72R (1431926)	0.266	14.6	0.1	1.8	15.2	4.1	
WWS-20-73R (1431927)	0.192	4.6	<0.1	1.5	9.4	1.2	
WWS-20-74R (1431928)	0.117	3.9	<0.1	4.5	9.9	0.7	
WWS-20-75R (1431929)	0.352	5.2	<0.1	2.0	176	1.3	
WWS-20-76R (1431930)	1.49	7.6	<0.1	5.1	38.5	1.4	
WWS-20-77R (1431931)	0.155	5.6	<0.1	1.8	7.5	0.7	
WWS-20-78R (1431932)	0.253	8.5	<0.1	1.4	10.0	3.7	
WWS-20-79R (1431933)	0.189	10.4	<0.1	25.8	3800	2.2	
WWS-20-80R (1431934)	1.35	71.2	0.5	4.7	59.2	30.5	
WWS-20-81R (1431935)	0.098	303	0.6	25.4	86.8	23.7	
WWS-20-82R (1431936)	0.054	275	0.5	24.0	62.6	21.7	
WWS-20-83R (1431937)	0.063	302	0.3	26.1	80.5	22.8	
WWS-20-84R (1431938)	0.145	333	0.3	35.0	90.4	19.4	
WWS-20-85R (1431939)	0.118	298	0.6	28.6	78.4	12.7	
WWS-20-86R (1431940)	0.172	238	0.3	19.3	137	2.5	
WWS-20-87R (1431941)	0.295	226	0.1	23.0	103	9.7	
WWS-20-88R (1431942)	0.151	178	0.1	15.4	56.9	8.7	
WWS-20-89R (1431943)	0.057	78.3	<0.1	8.2	21.3	2.9	
WWS-20-90R (1431944)	0.121	193	<0.1	13.7	58.5	7.5	
WWS-20-91R (1431945)	0.150	185	<0.1	13.1	55.3	9.4	
WWS-20-92R (1431946)	0.008	10.0	<0.1	0.7	4.5	<0.5	
WWS-20-93R (1431947)	0.017	12.1	<0.1	0.6	10.7	<0.5	
WWS-20-94R (1431948)	0.023	54.0	<0.1	2.8	29.6	1.5	
WWS-20-95R (1431949)	0.466	365	<0.1	38.4	130	15.4	
WWS-20-96R (1431950)	0.313	390	<0.1	41.0	135	15.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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MISSISSAUGA, ONTARIO
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TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020			DATE REPORTED: Sep 30, 2020			SAMPLE TYPE: Rock
Analyte:	U	V	W	Y	Zn	Zr	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.005	0.5	0.1	0.1	0.5	0.5	
Sample ID (AGAT ID)							
WWS-20-97R (1431951)	0.045	42.8	<0.1	5.7	14.4	1.4	
WWS-20-98R (1431952)	0.059	55.7	<0.1	6.0	19.1	2.3	
WWS-20-99R (1431953)	0.061	200	<0.1	19.5	59.7	6.4	
WWS-20-100R (1431954)	0.024	126	<0.1	9.9	44.7	4.5	
WWS-20-101R (1431955)	0.218	445	0.3	48.3	282	19.4	
WWS-20-102R (1431956)	0.175	449	0.3	47.1	288	18.6	
WWS-20-103R (1431957)	0.121	190	<0.1	16.0	130	4.4	
WWS-20-104R (1431958)	0.073	321	0.8	30.9	77.4	27.9	
WWS-20-105R (1431959)	0.067	335	1.0	30.3	66.7	25.1	
WWS-20-106R (1431960)	0.180	293	0.8	28.4	74.8	28.5	
WWS-20-107R (1431961)	0.130	311	0.4	30.6	84.6	20.5	
WWS-20-108R (1431962)	0.088	307	0.7	28.7	72.3	24.3	
WWS-20-109R (1431963)	0.091	323	0.3	31.1	73.4	21.0	
WWS-20-110R (1431964)	0.092	324	0.3	26.0	68.1	28.3	
WWS-20-111R (1431965)	0.063	311	0.7	30.2	75.7	26.9	
WWS-20-112R (1431966)	0.068	327	0.8	33.0	77.7	27.8	
WWS-20-113R (1431967)	0.089	318	0.4	31.5	77.8	17.3	
WWS-20-114R (1431968)	0.071	325	0.6	29.7	78.0	25.9	
WWS-20-115R (1431969)	0.083	335	<0.1	31.2	84.0	24.2	
WWS-20-116R (1431970)	2.25	18.9	<0.1	6.7	59.9	43.8	
WWS-20-117R (1431971)	1.81	14.8	<0.1	2.7	37.7	40.6	
WWS-20-118R (1431972)	1.56	11.6	<0.1	4.3	14.8	42.8	
WWS-20-119R (1431973)	0.136	338	<0.1	32.2	84.7	32.8	
WWS-20-120R (1431974)	0.241	324	0.5	31.7	67.4	34.8	
WWS-20-121R (1431975)	0.198	329	0.3	30.1	76.0	34.3	

Comments: RDL - Reported Detection Limit
 1431855-1431975 As, Sb values may be low due to digestion losses.
 Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

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AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-116) Multi-Acid Digest, ICP-OES finish

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020	DATE REPORTED: Sep 30, 2020	SAMPLE TYPE: Rock
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Analyte:	Ag
Unit:	ppm
Sample ID (AGAT ID)	RDL: 1
WWS-20-44R (1431898)	135

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

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Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Sep 08, 2020

DATE RECEIVED: Sep 09, 2020

DATE REPORTED: Sep 30, 2020

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
WWS-20-01R (1431855)			0.017
WWS-20-02R (1431856)			0.005
WWS-20-03R (1431857)			0.105
WWS-20-04R (1431858)			0.004
WWS-20-05R (1431859)			0.005
WWS-20-06R (1431860)			0.004
WWS-20-07R (1431861)			0.003
WWS-20-08R (1431862)			0.002
WWS-20-09R (1431863)			0.002
WWS-20-10R (1431864)			0.002
WWS-20-11R (1431865)			0.006
WWS-20-12R (1431866)			0.002
WWS-20-13R (1431867)			0.003
WWS-20-14R (1431868)			0.002
WWS-20-15R (1431869)			0.005
WWS-20-16R (1431870)			0.026
WWS-20-17R (1431871)			0.011
WWS-20-18R (1431872)			0.001
WWS-20-19R (1431873)			0.004
WWS-20-20R (1431874)			0.005
WWS-20-21R (1431875)			0.002
WWS-20-22R (1431876)			<0.001
WWS-20-23R (1431877)			0.002
WWS-20-24R (1431878)			0.002
WWS-20-25R (1431879)			<0.001
WWS-20-26R (1431880)			0.001
WWS-20-27R (1431881)			0.002
WWS-20-28R (1431882)			0.002
WWS-20-29R (1431883)			0.001
WWS-20-30R (1431884)			0.002
WWS-20-31R (1431885)			0.003
WWS-20-32R (1431886)			0.002

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Sep 08, 2020 DATE RECEIVED: Sep 09, 2020 DATE REPORTED: Sep 30, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
WWS-20-33R (1431887)			0.001
WWS-20-34R (1431888)			0.002
WWS-20-35R (1431889)			0.002
WWS-20-36R (1431890)			0.005
WWS-20-37R (1431891)			0.005
WWS-20-38R (1431892)			0.009
WWS-20-39R (1431893)			0.002
WWS-20-40R (1431894)			0.003
WWS-20-41R (1431895)			0.006
WWS-20-42R (1431896)			0.003
WWS-20-43R (1431897)			0.560
WWS-20-44R (1431898)			>10
WWS-20-45R (1431899)			0.088
WWS-20-46R (1431900)			0.488
WWS-20-47R (1431901)			0.016
WWS-20-48R (1431902)			0.050
WWS-20-49R (1431903)			0.015
WWS-20-50R (1431904)			0.030
WWS-20-51R (1431905)			0.019
WWS-20-52R (1431906)			0.014
WWS-20-53R (1431907)			0.056
WWS-20-54R (1431908)			0.009
WWS-20-55R (1431909)			0.009
WWS-20-56R (1431910)			0.008
WWS-20-57R (1431911)			0.008
WWS-20-58R (1431912)			0.008
WWS-20-59R (1431913)			0.007
WWS-20-60R (1431914)			0.019
WWS-20-61R (1431915)			0.007
WWS-20-72R (1431926)			0.013
WWS-20-73R (1431927)			0.006
WWS-20-74R (1431928)			0.004

Certified By:





Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

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 FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020	DATE REPORTED: Sep 30, 2020	SAMPLE TYPE: Rock
Analyte: Au	Unit: ppm	RDL: 0.001	
Sample ID (AGAT ID)			
WWS-20-75R (1431929)		0.006	
WWS-20-76R (1431930)		0.004	
WWS-20-77R (1431931)		0.004	
WWS-20-78R (1431932)		0.004	
WWS-20-79R (1431933)		0.006	
WWS-20-80R (1431934)		0.004	
WWS-20-81R (1431935)		0.006	
WWS-20-82R (1431936)		0.006	
WWS-20-83R (1431937)		0.009	
WWS-20-84R (1431938)		0.008	
WWS-20-85R (1431939)		0.004	
WWS-20-86R (1431940)		0.003	
WWS-20-87R (1431941)		0.004	
WWS-20-88R (1431942)		0.004	
WWS-20-89R (1431943)		0.004	
WWS-20-90R (1431944)		0.004	
WWS-20-91R (1431945)		0.008	
WWS-20-92R (1431946)		0.004	
WWS-20-93R (1431947)		0.004	
WWS-20-94R (1431948)		0.003	
WWS-20-95R (1431949)		0.004	
WWS-20-96R (1431950)		0.003	
WWS-20-97R (1431951)		0.003	
WWS-20-98R (1431952)		0.003	
WWS-20-99R (1431953)		0.005	
WWS-20-100R (1431954)		0.002	
WWS-20-101R (1431955)		0.004	
WWS-20-102R (1431956)		0.004	
WWS-20-103R (1431957)		0.002	

Comments: RDL - Reported Detection Limit
 Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Sep 08, 2020 DATE RECEIVED: Sep 09, 2020 DATE REPORTED: Sep 30, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001	Pd ppm 0.001	Pt ppm 0.005
WWS-20-62R (1431916)		0.006	0.004	<0.005
WWS-20-63R (1431917)		0.006	0.004	<0.005
WWS-20-64R (1431918)		0.006	<0.001	<0.005
WWS-20-65R (1431919)		0.006	<0.001	<0.005
WWS-20-66R (1431920)		0.014	<0.001	<0.005
WWS-20-67R (1431921)		0.006	<0.001	<0.005
WWS-20-68R (1431922)		0.006	<0.001	<0.005
WWS-20-69R (1431923)		0.005	<0.001	<0.005
WWS-20-70R (1431924)		0.610	<0.001	<0.005
WWS-20-71R (1431925)		0.006	<0.001	<0.005
WWS-20-104R (1431958)		0.003	<0.001	<0.005
WWS-20-105R (1431959)		0.003	<0.001	<0.005
WWS-20-106R (1431960)		0.003	<0.001	<0.005
WWS-20-107R (1431961)		0.003	<0.001	<0.005
WWS-20-108R (1431962)		0.004	<0.001	<0.005
WWS-20-109R (1431963)		0.003	<0.001	<0.005
WWS-20-110R (1431964)		0.006	<0.001	<0.005
WWS-20-111R (1431965)		0.002	<0.001	<0.005
WWS-20-112R (1431966)		0.002	<0.001	<0.005
WWS-20-113R (1431967)		0.002	<0.001	<0.005
WWS-20-114R (1431968)		0.003	<0.001	<0.005
WWS-20-115R (1431969)		0.004	<0.001	<0.005
WWS-20-116R (1431970)		0.008	<0.001	<0.005
WWS-20-117R (1431971)		0.004	<0.001	<0.005
WWS-20-118R (1431972)		0.008	<0.001	<0.005
WWS-20-119R (1431973)		0.005	<0.001	<0.005
WWS-20-120R (1431974)		0.012	<0.001	<0.005
WWS-20-121R (1431975)		0.006	<0.001	<0.005

Comments: RDL - Reported Detection Limit
 Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

DATE SAMPLED: Sep 08, 2020

DATE RECEIVED: Sep 09, 2020

DATE REPORTED: Sep 30, 2020

SAMPLE TYPE: Rock

Analyte: Au-Grav

Unit: g/t

Sample ID (AGAT ID) RDL: 0.5

WWS-20-44R (1431898) 242

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAAL PIRZADA, MICHAEL SADHRA

Sieving - % Passing (Crushing)

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020	DATE REPORTED: Sep 30, 2020	SAMPLE TYPE: Rock
Analyte: Pass %	Unit: %	RDL: 0.01	
Sample ID (AGAT ID)			
WWS-20-01R (1431855)	78.92		
WWS-20-11R (1431865)	79.30		
WWS-20-21R (1431875)	77.03		
WWS-20-31R (1431885)	79.81		
WWS-20-41R (1431895)	79.05		
WWS-20-51R (1431905)	77.09		
WWS-20-61R (1431915)	76.40		
WWS-20-71R (1431925)	75.72		
WWS-20-81R (1431935)	77.96		
WWS-20-91R (1431945)	78.78		
WWS-20-101R (1431955)	78.18		
WWS-20-111R (1431965)	76.67		
WWS-20-121R (1431975)	76.67		

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Sep 08, 2020	DATE RECEIVED: Sep 09, 2020	DATE REPORTED: Sep 30, 2020	SAMPLE TYPE: Rock
Analyte: Pass %	Unit: %	RDL: 0.01	
Sample ID (AGAT ID)			
WWS-20-01R (1431855)	85.23		
WWS-20-18R (1431872)	86.24		
WWS-20-37R (1431891)	86.88		
WWS-20-54R (1431908)	88.14		
WWS-20-73R (1431927)	85.74		
WWS-20-97R (1431951)	88.86		
WWS-20-120R (1431974)	88.27		

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	1431855	1.77	1.41	22.6%	1431869	0.42	0.34	21.1%	1431879	0.07	0.08	13.3%	1431892	0.46	0.59	24.8%
Al	1431855	6.72	7.20	6.9%	1431869	0.79	0.79	0.0%	1431879	1.44	1.42	1.4%	1431892	8.82	8.76	0.7%
As	1431855	15.4	18.6	18.8%	1431869	26.0	26.2	0.8%	1431879	0.7	0.7	0.0%	1431892	8.27	7.81	5.7%
Ba	1431855	272	296	8.5%	1431869	55	55	0.0%	1431879	48	48	0.0%	1431892	396	399	0.8%
Be	1431855	1.87	2.05	9.2%	1431869	0.29	0.29	0.0%	1431879	0.44	0.41	7.1%	1431892	2.48	2.40	3.3%
Bi	1431855	0.252	0.281	10.9%	1431869	0.04	0.04	0.0%	1431879	0.101	0.107	5.8%	1431892	0.17	0.18	5.7%
Ca	1431855	0.09	0.09	0.0%	1431869	< 0.01	< 0.01	0.0%	1431879	0.05	0.05	0.0%	1431892	0.15	0.15	0.0%
Cd	1431855	0.46	0.47	2.2%	1431869	0.08	0.08	0.0%	1431879	0.28	0.30	6.9%	1431892	0.319	0.337	5.5%
Ce	1431855	29.1	31.4	7.6%	1431869	9.49	9.22	2.9%	1431879	1.16	1.11	4.4%	1431892	42.0	44.7	6.2%
Co	1431855	11.5	12.6	9.1%	1431869	3.07	3.02	1.6%	1431879	1.31	1.60	19.9%	1431892	14.3	16.1	11.8%
Cr	1431855	63.7	81.8	24.9%	1431869	223	207	7.4%	1431879	65.7	78.8	18.1%	1431892	90.4	114	23.1%
Cs	1431855	4.72	5.05	6.8%	1431869	0.96	0.96	0.0%	1431879	1.03	1.10	6.6%	1431892	6.92	7.34	5.9%
Cu	1431855	28.7	30.7	6.7%	1431869	6.11	6.40	4.6%	1431879	3.76	2.92	25.1%	1431892	21.7	21.7	0.0%
Fe	1431855	5.28	5.77	8.9%	1431869	1.48	1.48	0.0%	1431879	0.732	0.771	5.2%	1431892	4.54	4.54	0.0%
Ga	1431855	16.8	18.1	7.4%	1431869	2.96	2.95	0.3%	1431879	2.83	3.09	8.8%	1431892	22.2	25.1	12.3%
Ge	1431855	< 0.05	< 0.05	0.0%	1431869	< 0.05	0.06		1431879	< 0.05	< 0.05	0.0%	1431892	< 0.05	< 0.05	0.0%
Hf	1431855	0.93	1.02	9.2%	1431869	0.2	0.2	0.0%	1431879	< 0.1	< 0.1	0.0%	1431892	1.10	1.27	14.3%
In	1431855	0.133	0.139	4.4%	1431869	0.0160	0.0178	10.7%	1431879	0.0084	0.0104	21.3%	1431892	0.065	0.072	10.2%
K	1431855	1.27	1.35	6.1%	1431869	0.23	0.23	0.0%	1431879	0.237	0.233	1.7%	1431892	1.65	1.62	1.8%
La	1431855	13.4	14.5	7.9%	1431869	4.6	4.5	2.2%	1431879	0.55	0.54	1.8%	1431892	18.7	20.2	7.7%
Li	1431855	27.7	29.7	7.0%	1431869	2.3	2.6	12.2%	1431879	4.1	3.9	5.0%	1431892	43.1	42.8	0.7%
Mg	1431855	0.51	0.54	5.7%	1431869	0.02	0.02	0.0%	1431879	0.08	0.08	0.0%	1431892	0.77	0.77	0.0%
Mn	1431855	1050	1140	8.2%	1431869	93	92	1.1%	1431879	356	365	2.5%	1431892	528	521	1.3%
Mo	1431855	12.2	12.0	1.7%	1431869	23.5	23.9	1.7%	1431879	23.8	29.4	21.1%	1431892	5.98	6.73	11.8%
Na	1431855	0.58	0.62	6.7%	1431869	0.09	0.09	0.0%	1431879	0.19	0.19	0.0%	1431892	0.84	0.84	0.0%
Nb	1431855	4.7	4.7	0.0%	1431869	1.0	1.0	0.0%	1431879	0.53	0.62	15.7%	1431892	7.5	8.6	13.7%
Ni	1431855	34.5	34.7	0.6%	1431869	12.1	12.5	3.3%	1431879	6.71	6.87	2.4%	1431892	33.9	34.4	1.5%
P	1431855	359	378	5.2%	1431869	98	101	3.0%	1431879	152	131	14.8%	1431892	550	557	1.3%
Pb	1431855	54.8	58.2	6.0%	1431869	9.7	9.6	1.0%	1431879	7.7	8.5	9.9%	1431892	27.2	29.8	9.1%
Rb	1431855	81.5	84.7	3.9%	1431869	14.2	14.6	2.8%	1431879	14.6	15.5	6.0%	1431892	101	112	10.3%
Re	1431855	< 0.002	< 0.002	0.0%	1431869	0.0022	0.0027	20.4%	1431879	0.003	0.003	0.0%	1431892	< 0.002	< 0.002	0.0%



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

S	1431855	< 0.01	0.01		1431869	0.01	0.01	0.0%	1431879	< 0.01	< 0.01	0.0%	1431892	< 0.01	< 0.01	0.0%
Sb	1431855	1.43	1.40	2.1%	1431869	1.37	1.42	3.6%	1431879	0.22	0.26	16.7%	1431892	0.79	0.84	6.1%
Sc	1431855	11.4	12.0	5.1%	1431869	1.5	1.5	0.0%	1431879	1.75	1.74	0.6%	1431892	14.5	14.5	0.0%
Se	1431855	0.7	0.7	0.0%	1431869	< 0.5	< 0.5	0.0%	1431879	< 0.5	< 0.5	0.0%	1431892	< 0.5	< 0.5	0.0%
Sn	1431855	1.7	1.7	0.0%	1431869	0.5	0.5	0.0%	1431879	0.48	0.42	13.3%	1431892	2.14	2.29	6.8%
Sr	1431855	81.2	87.4	7.4%	1431869	18.5	18.5	0.0%	1431879	24.4	23.9	2.1%	1431892	108	108	0.0%
Ta	1431855	0.23	0.19	19.0%	1431869	< 0.05	< 0.05	0.0%	1431879	< 0.05	< 0.05	0.0%	1431892	0.38	0.43	12.3%
Te	1431855	0.04	0.04	0.0%	1431869	0.02	< 0.01		1431879	< 0.01	< 0.01	0.0%	1431892	< 0.01	0.02	
Th	1431855	7.93	8.65	8.7%	1431869	1.75	1.74	0.6%	1431879	0.3	0.3	0.0%	1431892	10.1	11.4	12.1%
Ti	1431855	0.17	0.18	5.7%	1431869	0.03	0.03	0.0%	1431879	0.01	0.01	0.0%	1431892	0.267	0.258	3.4%
Tl	1431855	0.45	0.49	8.5%	1431869	0.09	0.09	0.0%	1431879	0.080	0.086	7.2%	1431892	0.544	0.592	8.5%
U	1431855	2.00	2.18	8.6%	1431869	0.291	0.300	3.0%	1431879	0.0799	0.0926	14.7%	1431892	1.51	1.62	7.0%
V	1431855	84.7	90.1	6.2%	1431869	13.1	13.3	1.5%	1431879	12.4	12.1	2.4%	1431892	106	107	0.9%
W	1431855	0.3	0.3	0.0%	1431869	0.9	0.9	0.0%	1431879	< 0.1	< 0.1	0.0%	1431892	0.6	0.7	15.4%
Y	1431855	5.56	5.23	6.1%	1431869	1.18	1.13	4.3%	1431879	1.09	1.01	7.6%	1431892	4.3	4.2	2.4%
Zn	1431855	78.2	82.7	5.6%	1431869	34.1	34.5	1.2%	1431879	9.0	8.9	1.1%	1431892	81.0	81.2	0.2%
Zr	1431855	33.4	35.8	6.9%	1431869	6.0	6.6	9.5%	1431879	1.1	1.1	0.0%	1431892	39.7	42.7	7.3%

	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	1431903	0.09	0.1	10.5%	1431916	0.280	0.262	6.6%	1431927	0.181	0.190	4.9%	1431940	0.10	0.12	18.2%
Al	1431903	0.901	0.834	7.7%	1431916	0.55	0.55	0.0%	1431927	0.30	0.28	6.9%	1431940	3.50	3.47	0.9%
As	1431903	2.0	1.6	22.2%	1431916	3.45	3.71	7.3%	1431927	1.4	1.4	0.0%	1431940	5.0	5.4	7.7%
Ba	1431903	51	46	10.3%	1431916	2	2	0.0%	1431927	17	17	0.0%	1431940	49	50	2.0%
Be	1431903	0.26	0.25	3.9%	1431916	< 0.05	< 0.05	0.0%	1431927	0.11	0.10	9.5%	1431940	1.62	1.58	2.5%
Bi	1431903	0.12	0.13	8.0%	1431916	< 0.01	< 0.01	0.0%	1431927	0.243	0.246	1.2%	1431940	0.05	0.05	0.0%
Ca	1431903	0.044	0.052	16.7%	1431916	0.13	0.13	0.0%	1431927	0.036	0.034	5.7%	1431940	9.27	9.17	1.1%
Cd	1431903	0.228	0.193	16.6%	1431916	0.20	0.18	10.5%	1431927	0.137	0.115	17.5%	1431940	0.21	0.19	10.0%
Ce	1431903	9.46	9.11	3.8%	1431916	0.138	0.132	4.4%	1431927	2.24	2.21	1.3%	1431940	247	238	3.7%
Co	1431903	2.21	2.23	0.9%	1431916	105	106	0.9%	1431927	1.68	1.73	2.9%	1431940	52.7	50.1	5.1%
Cr	1431903	54.3	57.6	5.9%	1431916	1350	1360	0.7%	1431927	57.1	58.2	1.9%	1431940	142	149	4.8%
Cs	1431903	0.769	0.682	12.0%	1431916	0.18	0.19	5.4%	1431927	0.219	0.214	2.3%	1431940	0.39	0.37	5.3%
Cu	1431903	6.38	6.30	1.3%	1431916	11.0	9.4	15.7%	1431927	8.1	7.7	5.1%	1431940	65.0	65.1	0.2%
Fe	1431903	0.78	0.76	2.6%	1431916	4.37	4.23	3.3%	1431927	0.77	0.76	1.3%	1431940	7.51	7.44	0.9%
Ga	1431903	2.51	2.39	4.9%	1431916	1.34	1.39	3.7%	1431927	0.766	0.712	7.3%	1431940	18.0	16.8	6.9%



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

Ge	1431903	< 0.05	< 0.05	0.0%	1431916	< 0.05	< 0.05	0.0%	1431927	0.103	0.113	9.3%	1431940	0.736	0.693	6.0%
Hf	1431903	< 0.1	< 0.1	0.0%	1431916	< 0.1	< 0.1	0.0%	1431927	< 0.1	< 0.1	0.0%	1431940	< 0.1	< 0.1	0.0%
In	1431903	0.0250	0.0211	16.9%	1431916	0.0055	0.0061	10.3%	1431927	0.012	0.012	0.0%	1431940	0.098	0.091	7.4%
K	1431903	0.236	0.208	12.6%	1431916	< 0.01	< 0.01	0.0%	1431927	0.05	0.05	0.0%	1431940	0.09	0.09	0.0%
La	1431903	3.4	3.3	3.0%	1431916	< 0.5	< 0.5	0.0%	1431927	0.88	0.85	3.5%	1431940	103	99.1	3.9%
Li	1431903	3.43	3.49	1.7%	1431916	1.30	1.48	12.9%	1431927	0.7	0.7	0.0%	1431940	8.7	8.7	0.0%
Mg	1431903	0.07	0.08	13.3%	1431916	19.9	19.6	1.5%	1431927	0.02	0.02	0.0%	1431940	6.83	6.84	0.1%
Mn	1431903	707	582	19.4%	1431916	687	673	2.1%	1431927	387	377	2.6%	1431940	1300	1290	0.8%
Mo	1431903	17.5	21.1	18.7%	1431916	1.30	1.28	1.6%	1431927	17.6	18.4	4.4%	1431940	0.97	0.80	19.2%
Na	1431903	0.10	0.10	0.0%	1431916	0.02	0.02	0.0%	1431927	0.088	0.081	8.3%	1431940	0.04	0.04	0.0%
Nb	1431903	0.76	0.73	4.0%	1431916	< 0.1	< 0.1	0.0%	1431927	0.41	0.34	18.7%	1431940	0.7	0.9	25.0%
Ni	1431903	7.10	7.45	4.8%	1431916	1860	1850	0.5%	1431927	5.90	6.18	4.6%	1431940	195	202	3.5%
P	1431903	169	144	16.0%	1431916	< 10	< 10	0.0%	1431927	123	116	5.9%	1431940	4540	4610	1.5%
Pb	1431903	25.3	25.6	1.2%	1431916	3.25	3.31	1.8%	1431927	116	113	2.6%	1431940	2.23	2.61	15.7%
Rb	1431903	13.9	12.4	11.4%	1431916	0.2	0.2	0.0%	1431927	2.90	2.74	5.7%	1431940	3.27	3.25	0.6%
Re	1431903	0.002	0.002	0.0%	1431916	< 0.002	< 0.002	0.0%	1431927	0.002	0.002	0.0%	1431940	< 0.002	< 0.002	0.0%
S	1431903	0.015	0.013	14.3%	1431916	< 0.01	< 0.01	0.0%	1431927	< 0.01	< 0.01	0.0%	1431940	0.197	0.195	1.0%
Sb	1431903	0.25	0.25	0.0%	1431916	1.32	1.38	4.4%	1431927	0.30	0.28	6.9%	1431940	< 0.05	< 0.05	0.0%
Sc	1431903	4.08	3.62	11.9%	1431916	7.85	7.76	1.2%	1431927	1.18	1.14	3.4%	1431940	15.4	15.7	1.9%
Se	1431903	< 0.5	< 0.5	0.0%	1431916	< 0.5	< 0.5	0.0%	1431927	< 0.5	< 0.5	0.0%	1431940	1.1	1.0	9.5%
Sn	1431903	0.47	0.41	13.6%	1431916	< 0.2	< 0.2	0.0%	1431927	0.3	0.3	0.0%	1431940	0.5	0.4	22.2%
Sr	1431903	15.0	14.2	5.5%	1431916	0.5	0.5	0.0%	1431927	3.6	3.5	2.8%	1431940	601	599	0.3%
Ta	1431903	< 0.05	< 0.05	0.0%	1431916	< 0.05	< 0.05	0.0%	1431927	< 0.05	< 0.05	0.0%	1431940	< 0.05	< 0.05	0.0%
Te	1431903	< 0.01	0.01		1431916	< 0.01	< 0.01	0.0%	1431927	0.04	0.04	0.0%	1431940	0.01	0.01	0.0%
Th	1431903	1.26	1.25	0.8%	1431916	< 0.1	< 0.1	0.0%	1431927	0.3	0.3	0.0%	1431940	2.78	2.73	1.8%
Ti	1431903	0.02	0.02	0.0%	1431916	0.01	0.01	0.0%	1431927	< 0.01	< 0.01	0.0%	1431940	0.48	0.48	0.0%
Tl	1431903	0.071	0.062	13.5%	1431916	< 0.01	< 0.01	0.0%	1431927	0.01	0.01	0.0%	1431940	0.03	0.03	0.0%
U	1431903	0.148	0.135	9.2%	1431916	0.0051	0.0044	14.7%	1431927	0.192	0.202	5.1%	1431940	0.172	0.166	3.6%
V	1431903	11.5	11.4	0.9%	1431916	39.0	38.4	1.6%	1431927	4.6	4.5	2.2%	1431940	238	243	2.1%
W	1431903	< 0.1	< 0.1	0.0%	1431916	1.2	1.2	0.0%	1431927	< 0.1	< 0.1	0.0%	1431940	0.3	0.3	0.0%
Y	1431903	3.8	3.2	17.1%	1431916	0.3	0.3	0.0%	1431927	1.45	1.24	15.6%	1431940	19.3	19.5	1.0%
Zn	1431903	15.9	14.9	6.5%	1431916	53.3	53.6	0.6%	1431927	9.4	8.9	5.5%	1431940	137	137	0.0%
Zr	1431903	2.6	2.5	3.9%	1431916	0.8	0.8	0.0%	1431927	1.2	1.2	0.0%	1431940	2.5	2.6	3.9%



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

Parameter	REPLICATE #9				REPLICATE #10				REPLICATE #11							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	1431951	0.10	0.12	18.2%	1431964	0.39	0.29	29.4%	1431975	0.25	0.19	27.3%				
Al	1431951	2.52	2.52	0.0%	1431964	8.24	8.22	0.2%	1431975	8.17	8.15	0.2%				
As	1431951	0.9	1.0	10.5%	1431964	2.7	3.2	16.9%	1431975	1.5	1.42	5.5%				
Ba	1431951	94	90	4.3%	1431964	38	38	0.0%	1431975	31	31	0.0%				
Be	1431951	0.18	0.17	5.7%	1431964	0.55	0.558	1.4%	1431975	0.53	0.546	3.0%				
Bi	1431951	0.03	0.025	18.2%	1431964	0.02	0.02	0.0%	1431975	0.02	0.02	0.0%				
Ca	1431951	1.16	1.16	0.0%	1431964	7.10	7.08	0.3%	1431975	5.64	5.67	0.5%				
Cd	1431951	0.06	0.052	14.3%	1431964	0.21	0.19	10.0%	1431975	0.16	0.16	0.0%				
Ce	1431951	1.88	1.86	1.1%	1431964	10.3	9.53	7.8%	1431975	9.99	9.82	1.7%				
Co	1431951	6.14	6.44	4.8%	1431964	40.5	39.4	2.8%	1431975	48.1	46.1	4.2%				
Cr	1431951	123	110	11.2%	1431964	147	139	5.6%	1431975	94.9	104	9.2%				
Cs	1431951	0.06	0.055	8.7%	1431964	0.91	0.85	6.8%	1431975	0.42	0.40	4.9%				
Cu	1431951	73.1	72.6	0.7%	1431964	72.3	73.7	1.9%	1431975	57.8	58.0	0.3%				
Fe	1431951	1.80	1.78	1.1%	1431964	7.09	7.03	0.8%	1431975	7.46	7.46	0.0%				
Ga	1431951	3.48	3.53	1.4%	1431964	19.7	19.3	2.1%	1431975	18.6	17.6	5.5%				
Ge	1431951	< 0.05	< 0.05	0.0%	1431964	0.11	0.13	16.7%	1431975	0.09	0.14	43.5%				
Hf	1431951	0.2	0.1	66.7%	1431964	1.2	1.15	4.3%	1431975	1.3	1.22	6.3%				
In	1431951	0.015	0.015	0.0%	1431964	0.079	0.0722	9.0%	1431975	0.083	0.079	4.9%				
K	1431951	0.14	0.14	0.0%	1431964	0.18	0.18	0.0%	1431975	0.53	0.53	0.0%				
La	1431951	0.7	0.7	0.0%	1431964	3.5	3.25	7.4%	1431975	3.1	3.1	0.0%				
Li	1431951	1.2	1.2	0.0%	1431964	10.6	10.4	1.9%	1431975	14.0	14.3	2.1%				
Mg	1431951	0.62	0.613	1.1%	1431964	3.79	3.77	0.5%	1431975	3.76	3.78	0.5%				
Mn	1431951	249	247	0.8%	1431964	1320	1310	0.8%	1431975	1290	1290	0.0%				
Mo	1431951	15.4	15.3	0.7%	1431964	1.14	1.07	6.3%	1431975	1.03	0.98	5.0%				
Na	1431951	1.15	1.17	1.7%	1431964	2.42	2.41	0.4%	1431975	2.95	2.92	1.0%				
Nb	1431951	0.6	0.51	16.2%	1431964	1.9	1.9	0.0%	1431975	1.7	1.34	23.7%				
Ni	1431951	12.1	11.6	4.2%	1431964	74.0	73.1	1.2%	1431975	53.8	54.6	1.5%				
P	1431951	219	215	1.8%	1431964	561	557	0.7%	1431975	542	546	0.7%				
Pb	1431951	2.0	1.8	10.5%	1431964	2.1	2.0	4.9%	1431975	2.2	2.2	0.0%				
Rb	1431951	2.8	2.68	4.4%	1431964	4.8	4.61	4.0%	1431975	17.0	16.4	3.6%				
Re	1431951	< 0.002	< 0.002	0.0%	1431964	< 0.002	< 0.002	0.0%	1431975	< 0.002	< 0.002	0.0%				
S	1431951	0.22	0.22	0.0%	1431964	0.10	0.10	0.0%	1431975	0.12	0.12	0.0%				



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAAL PIRZADA, MICHAEL SADHRA

Sb	1431951	0.06	0.068	12.5%	1431964	0.28	0.251	10.9%	1431975	0.30	0.26	14.3%				
Sc	1431951	8.4	8.55	1.8%	1431964	35.0	34.5	1.4%	1431975	37.1	37.6	1.3%				
Se	1431951	0.8	0.8	0.0%	1431964	1.3	1.1	16.7%	1431975	1.3	1.2	8.0%				
Sn	1431951	0.3	0.3	0.0%	1431964	1.3	1.3	0.0%	1431975	1.1	1.1	0.0%				
Sr	1431951	29.6	29.5	0.3%	1431964	439	436	0.7%	1431975	110	111	0.9%				
Ta	1431951	< 0.05	< 0.05	0.0%	1431964	0.12	0.12	0.0%	1431975	0.09	0.08	11.8%				
Te	1431951	< 0.01	< 0.01	0.0%	1431964	0.01	0.01	0.0%	1431975	< 0.01	< 0.01	0.0%				
Th	1431951	< 0.1	< 0.1	0.0%	1431964	0.1	0.1	0.0%	1431975	0.1	0.1	0.0%				
Ti	1431951	0.20	0.20	0.0%	1431964	0.91	0.91	0.0%	1431975	0.93	0.912	2.0%				
Tl	1431951	< 0.01	< 0.01	0.0%	1431964	0.02	0.02	0.0%	1431975	0.08	0.08	0.0%				
U	1431951	0.045	0.046	2.2%	1431964	0.092	0.089	3.3%	1431975	0.198	0.180	9.5%				
V	1431951	42.8	43.9	2.5%	1431964	324	316	2.5%	1431975	329	329	0.0%				
W	1431951	< 0.1	< 0.1	0.0%	1431964	0.3	0.3	0.0%	1431975	0.3	0.1	100.0%				
Y	1431951	5.7	5.52	3.2%	1431964	26.0	30.6	16.3%	1431975	30.1	29.6	1.7%				
Zn	1431951	14.4	13.7	5.0%	1431964	68.1	68.8	1.0%	1431975	76.0	79.4	4.4%				
Zr	1431951	1.4	1.6	13.3%	1431964	28.3	28.9	2.1%	1431975	34.3	33.0	3.9%				

(201-116) Multi-Acid Digest, ICP-OES finish

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	1431898	135	138	2.2%												

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	1431855	0.017	0.013	26.7%	1431869	0.005	0.003		1431879	< 0.001	0.001		1431892	0.009	0.002	
	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	1431903	0.015	0.012	22.2%	1431927	0.006	0.004		1431940	0.0033	0.0039	16.7%	1431951	0.003	0.003	0.0%

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	1431916	0.0065	0.0086	27.8%	1431964	0.0061	0.0054	12.2%	1431975	0.006	0.006	0.0%				
Pd	1431916	0.004	0.004	0.0%	1431964	< 0.001	< 0.001	0.0%	1431975	< 0.001	< 0.001	0.0%				
Pt	1431916	< 0.005	< 0.005	0.0%	1431964	< 0.005	< 0.005	0.0%	1431975	< 0.005	< 0.005	0.0%				



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

Parameter	Sample ID	REPLICATE #1			RPD										
		Original	Replicate												
Au-Grav	1431898	242	233	3.8%											



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

(201-071) 4 Acid Digest - Metals Package, ICP/ICP-MS finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.GTS-2a)				CRM #4 (ref.WMG-1a)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag													3.03	3.84	127%	90% - 110%
Al	10.95	10.89	99%	90% - 110%	8.47	8.27	98%	90% - 110%	6.96	6.87	99%	90% - 110%	4.75	4.83	102%	90% - 110%
As					26	27	103%	90% - 110%	124	130	105%	90% - 110%	5.99	5.68	95%	90% - 110%
Ba	340	345	101%	90% - 110%	540	541	100%	90% - 110%	186	189	102%	90% - 110%	216	233	108%	90% - 110%
Be	2.6	2.7	103%	90% - 110%	4.0	3.2	81%	90% - 110%								
Ca	5.72	5.54	97%	90% - 110%	0.907	0.902	99%	90% - 110%	4.01	3.88	97%	90% - 110%	10	10	96%	90% - 110%
Ce	122	124	102%	90% - 110%	98	105	107%	90% - 110%	24	23	94%	90% - 110%				
Co	2.8	2.6	95%	90% - 110%	15	15	102%	90% - 110%	22.1	22.6	102%	90% - 110%	191	218	114%	90% - 110%
Cr					60.3	55.5	92%	90% - 110%					670	543	81%	90% - 110%
Cs	1.5	1.6	104%	90% - 110%	12	12	100%	90% - 110%								
Cu					150	153	102%	90% - 110%	88.6	85.8	97%	90% - 110%	7120	7304	103%	90% - 110%
Fe	4.34	4.26	98%	90% - 110%	3.77	3.81	101%	90% - 110%	7.56	7.46	99%	90% - 110%	12.71	12.16	96%	90% - 110%
Ga	35	38	108%	90% - 110%												
K	1.37	1.48	108%	90% - 110%					2.021	2.07	102%	90% - 110%	0.1021	0.1094	107%	90% - 110%
La	58	58	99%	90% - 110%	44	47	106%	90% - 110%					8.47	7.84	93%	90% - 110%
Li	37	40	108%	90% - 110%	47	48	103%	90% - 110%								
Mg	0.325	0.314	97%	90% - 110%	1.10	1.08	98%	90% - 110%	2.412	2.394	99%	90% - 110%	7.41	7.28	98%	90% - 110%
Mn					780	785	101%	90% - 110%	1510	1502	99%	90% - 110%				
Mo					14	14	99%	90% - 110%					2.49	3.06	123%	90% - 110%
Na	5.267	5.283	100%	90% - 110%	1.624	1.655	102%	90% - 110%	0.617	0.605	98%	90% - 110%	0.112	0.113	101%	90% - 110%
Nb	13	16	123%	90% - 110%	20	19	96%	90% - 110%								
Ni	9	7	76%	90% - 110%	32	32	100%	90% - 110%	77.1	73.5	95%	90% - 110%	2480	2172	88%	90% - 110%
P					750	714	95%	90% - 110%	892	881	99%	90% - 110%	731	668	91%	90% - 110%
Pb	10	10	98%	90% - 110%	31	28	90%	90% - 110%								
Rb	55	54	99%	90% - 110%	143	142	100%	90% - 110%								
S									0.348	0.367	105%	90% - 110%				
Sb					0.8	0.8	97%	90% - 110%					1.8	1.9	105%	90% - 110%
Sc					12	12	97%	90% - 110%					21.33	19.78	93%	90% - 110%
Se													14.1	16.4	116%	90% - 110%
Sr	1191	1191	100%	90% - 110%	144	151	105%	90% - 110%	92.8	88.9	96%	90% - 110%	39	38	97%	90% - 110%
Ta	0.9	1	112%	90% - 110%	1.9	1.7	89%	90% - 110%								



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

Th	1.4	1.2	89%	90% - 110%	18.4	17.6	96%	90% - 110%					1.07	1.18	110%	90% - 110%
Ti	0.172	0.17	99%	90% - 110%	0.53	0.48	91%	90% - 110%					0.419	0.416	99%	90% - 110%
U					5.7	4.4	76%	90% - 110%								
V	8	8	103%	90% - 110%	77	82	106%	90% - 110%					158	162	103%	90% - 110%
W					5	5	107%	90% - 110%								
Y	119	119	100%	90% - 110%									12.67	12.43	98%	90% - 110%
Zn	93	93	100%	90% - 110%	130	124	95%	90% - 110%	208	208	100%	90% - 110%	112	112	100%	90% - 110%
Zr													35.7	39.9	112%	90% - 110%
	CRM #5 (ref.SY-4)				CRM #6 (ref.Till-2)				CRM #7 (ref.GTS-2a)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.57	97%	90% - 110%	8.47	8.24	97%	90% - 110%	6.96	6.97	100%	90% - 110%				
As					26	27	106%	90% - 110%	124	126	101%	90% - 110%				
Ba	340	335	98%	90% - 110%	540	518	96%	90% - 110%	186	190	102%	90% - 110%				
Be	2.6	2.6	101%	90% - 110%	4.0	3.3	82%	90% - 110%								
Ca	5.72	5.41	95%	90% - 110%	0.907	0.915	101%	90% - 110%	4.01	4.04	101%	90% - 110%				
Ce	122	128	105%	90% - 110%	98	108	111%	90% - 110%	24	23	97%	90% - 110%				
Co	2.8	2.8	100%	90% - 110%	15	15	101%	90% - 110%	22.1	22.7	103%	90% - 110%				
Cr					60.3	57.9	96%	90% - 110%								
Cs	1.5	1.7	112%	90% - 110%	12	12	100%	90% - 110%								
Cu					150	152	102%	90% - 110%	88.6	86	97%	90% - 110%				
Fe	4.34	4.08	94%	90% - 110%	3.77	3.77	100%	90% - 110%	7.56	7.44	98%	90% - 110%				
Ga	35	39	112%	90% - 110%												
K	1.37	1.41	103%	90% - 110%					2.021	2.076	103%	90% - 110%				
La	58	60	104%	90% - 110%	44	48	109%	90% - 110%								
Li	37	38	103%	90% - 110%	47	48	102%	90% - 110%								
Mg	0.325	0.297	91%	90% - 110%	1.10	1.08	98%	90% - 110%	2.412	2.409	100%	90% - 110%				
Mn					780	776	99%	90% - 110%	1510	1512	100%	90% - 110%				
Mo					14	14	100%	90% - 110%								
Na	5.267	5.042	96%	90% - 110%	1.624	1.579	97%	90% - 110%	0.617	0.61	99%	90% - 110%				
Nb	13	17	127%	90% - 110%	20	19	93%	90% - 110%								
Ni					32	32	99%	90% - 110%	77.1	76.3	99%	90% - 110%				
P					750	691	92%	90% - 110%	892	885	99%	90% - 110%				
Pb	10	10	99%	90% - 110%	31	29	94%	90% - 110%								
Rb	55	56	101%	90% - 110%	143	145	101%	90% - 110%								



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: AFZAAL PIRZADA, MICHAEL SADHRA

S									0.348	0.367	106%	90% - 110%				
Sb					0.8	0.8	96%	90% - 110%								
Sc					12	11	94%	90% - 110%								
Sr	1191	1145	96%	90% - 110%	144	145	101%	90% - 110%	92.8	90.6	98%	90% - 110%				
Ta					1.9	1.5	81%	90% - 110%								
Th	1.4	1.2	86%	90% - 110%	18.4	18.5	100%	90% - 110%								
Ti	0.172	0.168	98%	90% - 110%	0.53	0.49	92%	90% - 110%								
U	0.8	0.6	78%	90% - 110%	5.7	4.6	81%	90% - 110%								
V	8	8	102%	90% - 110%	77	80	103%	90% - 110%								
W					5	5	108%	90% - 110%								
Y	119	116	97%	90% - 110%												
Zn	93	89	96%	90% - 110%	130	121	93%	90% - 110%	208	210	101%	90% - 110%				

(201-116) Multi-Acid Digest, ICP-OES finish

Parameter	CRM #1 (ref.ME-1206)				CRM #2 (ref.GSP5E)				CRM #3 (ref.GS4L)				CRM #4 (ref.1P5T)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	274	292	106%	90% - 110%												

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	CRM #1 (ref.GS6F)				CRM #2 (ref.GSP5E)				CRM #3 (ref.GS4L)				CRM #4 (ref.1P5T)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	6.87	6.88	100%	90% - 110%	0.655	0.699	107%	90% - 110%	4.01	4.01	100%	90% - 110%	1.75	1.71	98%	90% - 110%
Parameter	CRM #5 (ref.GS6F)				CRM #6 (ref.GSP6C)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	6.87	6.72	98%	90% - 110%	0.767	0.764	100%	90% - 110%								

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	CRM #1 (ref.1P5T)				CRM #2 (ref.GSP6C)				CRM #3 (ref.GS4E)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1.75	1.71	98%	90% - 110%	0.767	0.764	100%	90% - 110%	4.19	4.17	99%	90% - 110%				

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

Parameter	CRM #1				CRM #2 (ref.GSP6C)				CRM #3 (ref.GS4E)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au-Grav	37.08	36.1	97%	90% - 110%												

Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 20T648415

PROJECT: WHITEWATER BC

ATTENTION TO: AFZAAL PIRZADA, MICHAEL

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
As	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Ba	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
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Bi	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Cd	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Ce	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Co	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Cs	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Cu	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
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Ge	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Hf	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
In	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
La	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Li	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Mo	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Nb	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Ni	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES



Method Summary

CLIENT NAME: MISC AGAT CLIENT ON
PROJECT: WHITEWATER BC
SAMPLING SITE:

AGAT WORK ORDER: 20T648415
ATTENTION TO: AFZAAL PIRZADA, MICHAEL
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Pb	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Rb	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Re	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Sb	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Sc	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Se	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Sn	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Sr	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Ta	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Te	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Th	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Tl	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
U	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
W	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Y	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Zn	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-OES
Zr	MIN-200-12035	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP-MS
Ag	Special Request		ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Au	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Pd	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Pt	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Au-Grav	MIN-12004		BALANCE
Pass %			BALANCE