

BC Geological Survey Assessment Report 42689



Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geological and Geochemical

TOTAL COST: \$16,600.08

AUTHOR(s): Graeme Evans P.Geo.

SIGNATURE(s): Graeme Evans

NOTICE OF WORK PERMIT NUMBER(s)/DATE(s):

YEAR OF WORK: 2024

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(s)/DATE(s): Event # 6044756 2024/Nov/18

PROPERTY NAME: Contact Property

CLAIM NAME(s) (on which the work was done): Contact 1104404, Contact 2 112800

COMMODITIES SOUGHT: Fe, Mn, Zn, Pb, Au, Ag

MINERAL INVENTORY MINFILE NUMBER(s), IF KNOWN: 082KSW043

MINING DIVISION: Slocan MD

NTS/BCGS: 082K005

LATITUDE: 50° 00' 52" LONGITUDE: -117° 05' 13" (at centre of work)

OWNER(s):

1) Tailwinds Exploration Ltd.

2)

MAILING ADDRESS:

213 BENCHLANDS TERRACE, CANMORE, AB T1W 1G1

OPERATOR(s) [who paid for the work]:

1) Tailwinds Exploration Ltd.

2)

MAILING ADDRESS:

as above

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Historic workings are within the lower Slocan group in the NE portion of the Slocan mining camp.

A number of Pb, Zn, Ag slocan type veins are on the property and also large manganese- siderite replacement zones in limestone.

This property is along strike of the Whitewater mine and the replacement zones have elevated values of Pb, Zn, Ag and Au in a distal CRD system.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (Incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	50 ha @ 1:1000	Contact 1104404, Contact 2 112800	8,600.08
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	9 Au-FA, 48 element 4-acid digestion ICP	Contact 1104404, Contact 2 112800	4000.00
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)	100 ha @ 1:2500		4,000.00
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	16,600.08

Print Form

Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: TAILWINDS EXPLORATION
CORP. (288052)

Submitter: TAILWINDS EXPLORATION
CORP. (288052)

Recorded: 2024/NOV/18

Effective: 2024/NOV/18

D/E Date: 2024/NOV/18

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 6044756

Work Type: Technical Work
Technical Items: Geochemical, Geological, Prospecting

Work Start Date: 2024/AUG/12
Work Stop Date: 2024/AUG/15
Total Value of Work: \$ 16478.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days For-ward	Area in Ha	Applied Work Value
1104404	Contact	2023/MAY/24	2024/NOV/24	2033/FEB/12	3002	83.05	\$ 9297.11
1112800	Contact 2	2024/MAY/06	2025/MAY/06	2033/FEB/12	2839	62.29	\$ 5945.41

Financial Summary:

Total applied work value: 15242.52

PAC name: Tailwindsexploration

Note: Any PAC debit and credit amounts will be calculated after the assessment report has been submitted and approved.

Please print this page for your records.

The event was successfully saved.

2025 GEOLOGICAL AND GEOCHEMICAL EXPLORATION REPORT

On The

CONTACT PROPERTY Kaslo, BC

Slocan Mining Division

BCGS Map Sheet: 082K005
Latitude: 50 00 52" Longitude: -117 05 13"

Owner:

Tailwinds Exploration Corp.

Author:

Graeme Evans, P.Geo

February 08, 2025



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 - Statement of Analytical Procedures (ALS Minerals)
 - Assay Certificates (ALS Minerals)
- B. Appendix 2-2021 Jan Property Geological Mapping and Sampling 1:10,000

1. Summary

The Contact Property is comprised of two mineral tenures for a total area of 145.34 hectares on NTS 082K005. The claim owner, Tailwinds Exploration Corp. is a private company who staked the Contact claim on May 24, 2023 and the Contact 2 on May 06, 2024. The Contact Property is located approximately 19.0 northwest of Kaslo, and 28 km's east of New Denver B.C. along Hwy #31A.

The property lies on the western margin of the Kootenay Arc within the Slocan mining camp. The property covers a portion of the Triassic lower Slocan group which is a sequence consisting of one or more limestone beds up to 30-100 meters in thickness, intercalated with argillite, phyllite and quartzite. This unit hosts stratabound polymetallic carbonate replacement deposits (CRD deposits) in the Slocan camp. The better known of these systems include the nearby mines including Whitewater, Lucky Jim and Cork Province.

The Contact property covers the relocated historic minfile occurrence namely Contact 082KSW043. The occurrence was discovered about 1913 and by 1918 the property was owned by Lemon and A.J. Curle who had trenched extensive areas and developed two adits 185-190 feet in length on two manganese-siderite +/- Pb, Zn veins known as #1 and #2 veins in the western zone. By 1940 the A.J. Curle had conducted additional prospecting and trenching and discovered an area known as the "eastern showings" and had trenched and pitted an additional 35 areas on the property.

The 2024 exploration consisted of geological traverses on the road network around the property and a focus on relocating the historic Contact minfile occurrence. The steep hillside and thick tree cover hampered the search but eventually the historic "West Contact" showing was located several hundred meters southwest of the minfile location, this was aided by using historic crown grants and 1928 sketch maps from Starr.

The 2024 work relocated the historic Contact "West Zone" area and confirmed the historic geology and general historic geochemistry. The west showing consists of large boulder areas of manganese-siderite as well as two adits. These alteration zones form along the hangingwall, footwall and as crosscutting features within the main limestone unit. At the upper portal these hydrothermal zones can be seen replacing the sediments. Individual lenses appear to have 10-30 meter widths and by area are approximately 30% of the limestone unit is replaced by manganese-siderite hydrothermal replacement zones. This offers a substantial tonnage potential.

Sampling of this alteration supports historic sampling with the Fe content ranging from 23.4% to greater than 50% which agrees with historic sampling from the 1920's ranging from 37-44% Fe which indicates there is 50-75% siderite in this material. The Mn content is consistently elevated ranging from 3.85-9.11% Mn which is similar to historic values. The Mn is particularly interesting as in CRD systems this is typically a very distal signature usually as decimeter scale veins and the interest is, the possibility these zones on the Contact property are the distal updip end member of a large Pb, Zn, Ag +/- Au, Cu Carbonate Replacement system (CRD).

2024 rock sampling returned values in the alteration up to 15.95% Zn, 0.67% Pb, 32.6 g/t Ag, and 2.04 g/t Au with anomalous Cu, Sb and Sn. This work clearly indicates additional work on the property is recommended.

2. Location and Access

The Contact Property is located approximately 19.0 northwest of Kaslo, and 28 km's east of New Denver B.C. along Hwy #31A. The primary access to the eastern portions of the property is via. Fourteen Mile FSR which continues along the upper southern portion of the property, while the western portion of the property is accessed by the Robb FSR which starts at Retallack.

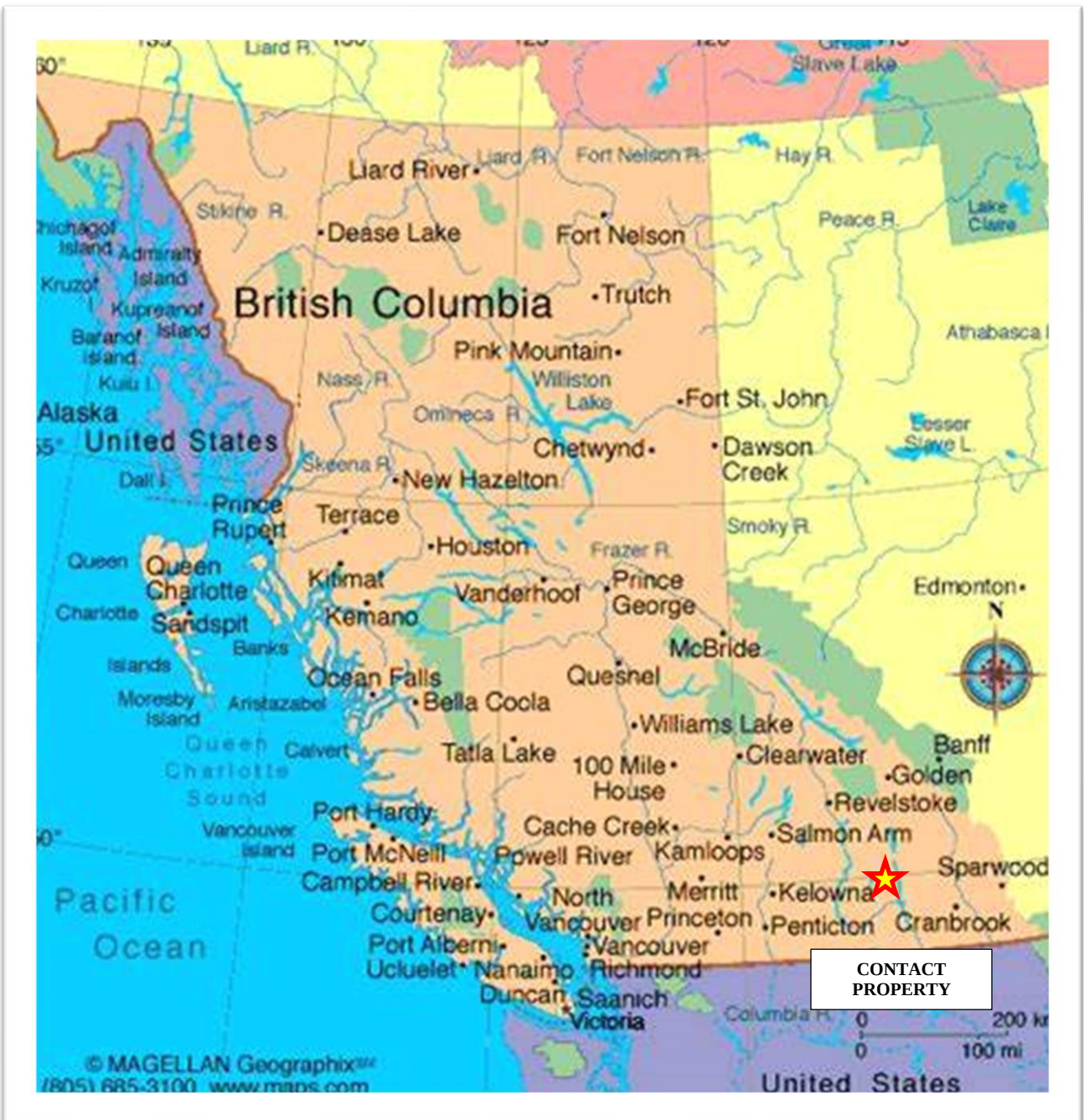


Figure 1, Contact Property Location Map

3. Physiography and Climate

The property's topography is moderate to very steep slopes sloping uphill to the south. Elevations on the Contact property range from about 900 m at the valley bottom along the Slocan River and up to 1300 m on the southwestern slopes. Slopes range from moderate tree covered areas to local steep outcrop areas for 50-100 meters in elevation. The property's vegetation is mainly tight fir, spruce and cedar forest cover which has seen a number of logging cuts in the last 10-20 years which cover about 40% of the property. Alder and devils club fill steep north trending gullies with thick undergrowth. The property has relatively cold and moderate snowfall with winter conditions from November to March with temperatures ranging from 0 to -20 degrees C and warm to hot 20-30 degrees C summer conditions from May to September.

4. Claim Information

The Contact Property is comprised of two mineral tenures for a total area of 145.34 hectares. The claim owner, Tailwinds Exploration Corp. is a private company who staked the Contact claim on May 24, 2023 and the Contact 2 on May 06, 2024. The map below shows the claim location of the Property and the table below outlines the mineral tenure data and expiry date pending assessment acceptance.

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value
1104404	Contact	2023/MAY/24	2024/NOV/24	2033/FEB/12	3002	83.05	\$ 9297.11
1112800	Contact 2	2024/MAY/06	2025/MAY/06	2033/FEB/12	2839	62.29	\$ 5945.41

Table 2Contact Property Tenure Table

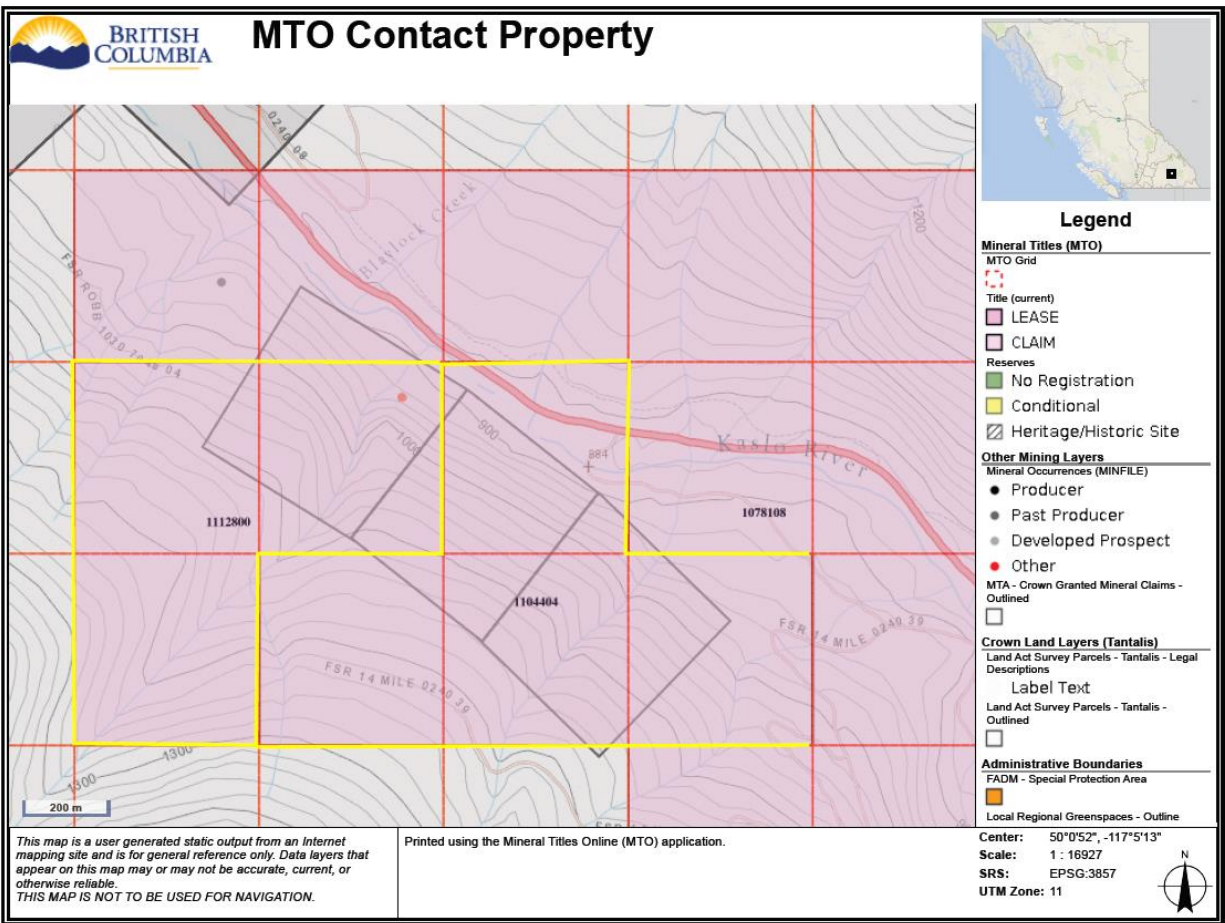


Figure 2, Contact Property Claim Map

5. History

The Contact property covers the relocated historic minfile occurrence namely Contact 082KSW043. This is located in the central portion of the property. Details on the history are limited but were aided by a number of files recorded in profile.

The occurrence was discovered about 1913 and was held by L.A. Lemon and was known as the Black Prince 2 property. Work included trenching and a 30 foot tunnel on some Pb Carbonate and galena showings. By 1918 the property was owned by Lemon and A.J. Curle who had trenched extensive areas and developed two adits 185-190 feet in length on two manganese-siderite +/- Pb, Zn veins known as #1 and #2 veins. By 1931 the ground was owned by A.J. Curle who conducted additional prospecting and trenching in 1931-1933 and 1939-1940. He discovered an area known as the "eastern showings" and had trenched and pitted an additional 35 areas on the property by 1940.

The Contact, Con and Contact No.1 claims were crown granted to Curle in 1941.

The showings were reported by BCGS geologists in MMAR -1931-32-33 reports with descriptions and results from the eastern area of Con claim from 5 trenches, and from the western end of the contact claim in a number of trenches and two adits, results include:

large aggregate tonnage. The following results of assays and analyses have been supplied by the owner:—						
ASSAYS AND ANALYSES.						
Location.	Silver.	Lead.	Zinc.	Iron.	Metallic Manganese.	Remarks.
	Oz. per Ton.	Per Cent.	Per Cent.	Per Cent.	Per Cent.	
General sample from zinc showing in upper tunnel east drift on <i>Contact M.C.</i>	.....	.....	23.4	.....	.....	
Manganiferous iron .....	.....	.....	.....	.....	18.10	
Manganiferous iron .....	.....	.....	.....	39.80	19.80	
Manganiferous iron .....	.....	.....	.....	36.60	14.50	
Surface carbonates	4.0	1.4	.....	.....	.....	
Selected galena from 10-inch fissure cutting limestone foot-wall	63.1	69.8	.....	.....	.....	
Surface material from second open-cut near lower tunnel, <i>Contact M.C.</i>	0.6	0.2	1.9	.....	.....	
Same place, selected galena partially oxidized	20.5	51.9	.....	.....	.....	
General sample from nine surface cuts	11.9	10.0	5.0	.....	.....	
Selected galena from same cuts	63.1	80.2	0.4	.....	.....	
General sample .....	.....	.....	.....	39.20	10.20	From same large sample. Also insoluble, 12.8 per cent.; lime, 1.1 per cent.; sulphur, 0.4 per cent.
Manganiferous iron .....	.....	.....	.....	40.28	17.88	
Manganiferous iron .....	.....	.....	.....	39.20	13.30	
Manganiferous iron	1.4	.....	.....	37.00	12.80	
From most easterly workings on <i>Con M.C.</i> , selected galena	53.5	70.3	.....	.....	.....	
Same place, surface dirt (assayed for silver only)	2.7	.....	.....	.....	.....	
Same place, general sample, from open-cut 36 by 25 feet	3.0	4.9	6.8	.....	.....	Excluding lead and zinc sulphides, which form possibly 25 per cent. of showing.

MMAR-1931-A145pp

ASSAYS AND ANALYSES—Continued.						
Location.	Silver.	Lead.	Zinc.	Iron.	Metallic Manganese.	Remarks.
	Oz. per Ton.	Per Cent.	Per Cent.	Per Cent.	Per Cent.	
In No. 1 <i>Contact M.C.</i> tunnel 60 feet in from portal	1.8	0.4	2.9	.....	.....	
Near face of same tunnel.	2.5	1.0	4.2	.....	.....	
15 by 7 feet at end of lower tunnel drift, <i>Contact M.C.</i>	0.8	Trace	1.4	.....	.....	
Partial analysis from two wide zones of mineralization in upper tunnel, <i>Contact M.C.</i>	0.4	0.4	0.3	45.50	10.90	Also gold, 0.09 oz. per ton; insoluble, 5 per cent.; with traces only of lime, sulphur, phosphorus, and carbon.

These reports are expanded on by C. Starr in 1928 and 1932 in profile. These include descriptions, some analyses and basic geology maps. These reports also include a letter from A.J. Curle in 1936 updating trenching activities on the property since Starr's visits.

ASSAYS: General sample from No. 3 open cut across 22 x 10 feet: Gold 0.10, Silver 30.6 Oz., Lead 16.8%, Zinc 8.2%. General sample, exclusive of clean galena, from No. 2 open cut, surface exposure 25 x 8 feet: Gold 0.02, Silver 12.4 Oz., Lead 3.1%, Zinc 5.30%. Selected sample from this open cut: Gold Trace, Silver 69.2 Oz., Lead 64.0%, Zinc 10.0%. General sample from No. 1 open cut, 30 x 60 feet, exclusive of clean galena, Silver 3.0 oz., Lead 4.9%, Zinc 6.8%. Hand sample of clean galena from this open cut: Silver 53.5 Oz., Lead 70.3%. Hand sample of clean galena from No. 3 open cut: Silver 69.1 Oz., Lead 80.2%. Piece of clean galena float ore 250 feet east along strike from No. 1 open cut: Silver 188.2 Oz., Lead 69.1%.

1936 update assays in Starr Report.

A 1932 GSC report on Manganese deposits of Canada mentions on pp.112-114 on the Contact property of the large mango-siderite showings on the contact property. Work by Hansen returned the following results from the adits in the Western showing. The results below returned a range of 55-80% Fe Carbonate (Siderite) and 18-25% Manganese Carbonate and these were studied for the Fe and Mn potential.

	No. 1	No. 2	No. 3
Mn.....	10.03	(12.10) ¹	8.36
MnO.....		None	
MnO ₂	(18.86)	10.23	(13.23)
SiO ₂		8.04	
Fe ₂ O ₃	43.06	39.83	62.65
P ₂ O ₅		0.11	
NiO.....		None	
CoO.....		None	
CuO.....	4.20	0.42	None
MgO.....	2.62	0.08	0.20
S.....		0.10	
CO ₂	36.30	0.76	
H ₂ O (+ 103° C.).....		8.22	

No. 1. Sample of only slightly oxidized manganiferous siderite from the face of No. 1 adit.

No. 2. Sample of oxidized manganiferous siderite taken across a width of 15½ feet exposed in a trench above the portal of the upper adit.

No. 3. Composite sample of oxidized manganiferous siderite taken from several trenches in vicinity and west of the underground workings.

From analysis No. 1, A. Sadler of the Mines Branch has calculated the composition of the less altered siderite in terms of the carbonates that compose it, as follows:

	Per cent
Iron carbonate.....	63.20
Lime carbonate.....	7.49
Magnesian carbonate.....	5.47
Manganese carbonate.....	20.98

Since 1938 there is little to no work reported on the property except a prospecting report by Ron Hegel in 2006.

6. Geological Setting

6.1. Regional Geology

The property is within the Omineca tectonic belt, and lies on the western margin of the Kootenay Arc, in allochthonous rocks of the Quesnel Terrane. Within the Slocan mining camp, the Quesnel Terrane is dominated by very fine grained clastic sedimentary rocks of the Upper Triassic Slocan Group which unconformably overlie the volcanic rocks of the Permian and/or Triassic Kaslo Group in the northeastern part of the map area. The base of the Slocan Group is marked by a conglomerate and sedimentary breccia composed of Kaslo detritus known as the Marten Conglomerate.

Overlying the basal conglomerate a sequence of the Slocan group is a unit consisting of one or more limestone beds up to 30-100 meter's in thickness, intercalated with argillite, phyllite and quartzite. This unit hosts stratabound polymetallic "replacement" deposits in the Slocan camp. The better known of these systems include Whitewater, Lucky Jim and Cork Province that will be discussed later in this section.

The upper part of the Slocan Group is composed of argillite, phyllite and quartzite. Near the top of the sequence, strata become tuffaceous passing into metadacite and meta-andesite flows and tuffs. Rocks of the Slocan Group are tightly and disharmonically folded. Early minor folds are tight to isoclinal with moderate east plunging, southeast inclined axial planes. Several fault structures are evident and host mineralization. Later stage normal and thrust faults and shearing have chopped, deformed and remobilized the veins and mineralization. The sedimentary sequence has been regionally metamorphosed to lower greenschist facies and intruded by dikes, sills and stocks of varied composition and origin. The Middle Jurassic Nelson intrusions are immediately south of the Slocan Group and are inferred to be the source of granitic sills and dikes intruded into the Slocan Group rocks. The intrusions comprise at least six texturally and compositionally distinct phases ranging from diorite to lamprophyre. The most dominant phase is a medium to coarse grained potassium feldspar porphyritic granite. Although the Nelson intrusions do not have a large contact aureole, the emplacement of the intrusions likely played an important role in fracturing the overlying sedimentary sequence thereby preparing channels for fluid migration and sulphide deposition. The mineralized veins usually cut early feldspar porphyry dikes associated with the emplacement of the Nelson intrusions, but the veins often follow lamprophyric dikes on their footwall or hangingwall.

More recent work has implied mineralization is younger and not simply related to Nelson intrusion but also related to the Tertiary east dipping Slocan/Valkyr fault which underlies the Slocan camp and was the main eastern fault for the unroofing and uplift and detachment of the Valhalla metamorphic complex located to the west. Isotopic studies have indicated deep mantle fluids related to this Tertiary event could be the source of sulphides in the Slocan camp but this remains speculative.

Mining has been important in the Slocan area since silver was discovered in the late 1800s. Significant silver, lead and zinc have been produced from polymetallic silver-lead-zinc veins and

from polymetallic silver-lead - zinc “replacement” deposits hosted in limestone of the Slocan Group. Over 60 million ounces of silver have been produced from the camp.

Polymetallic veins have been classified into “wet ore” or “dry ore” types by Cairnes (1934) and others. The “wet ore” types are the most important type in this area. They typically have abundant galena and sphalerite associated with silver-rich sulphide minerals. Gangue minerals, consisting chiefly of quartz and siderite, which are vertically zoned as exemplified in such past producers as the Silvana (082FNW050) and the Mammoth (082FNW060). Galena is typically abundant in the upper portions, while sphalerite is associated with the siderite-rich zone; the lower quartz-rich zone is usually barren. The Hewitt (082FNW065) and Van Roi (082FNW064) are examples of the “dry ore” type. The “dry ore” contain abundant quartz and the silver-bearing minerals are commonly argentite, tetrahedrite, pyrargyrite and native silver. Galena and sphalerite are of minor importance.

Significant past producers in the camp include Silvana, Standard (082FNW180), Mammoth and Ruth-Hope (082FNW052). The Silvana is one of the more recent producers of the area; the mine produced 510,964 tonnes between 1913 and 1993 yielding about 243 tonnes of silver, 28,691 tonnes of lead, 26,300 tonnes of zinc. The Standard mine was one of the most prolific producers of the Slocan camp. It produced 746,235 tonnes between 1894 and 1969 yielding about 278 tonnes of silver, 39,690 tonnes of lead, 49,361 tonnes of zinc, and 20 kilograms of gold. The mine was on the same vein system as the Mammoth mine which produced 63,865 tonnes yielding about 26 tonnes of silver, 2622 tonnes of lead, 4158 tonnes of zinc and 3.6 kilograms of gold. The Ruth-Hope deposit was one of the earliest producers in the camp. Production began in 1895 and was intermittent until 1962 producing 60,575 tonnes which yielded about 77 tonnes of silver, 7.7 kilograms of gold, 10,122 tonnes of lead and 1606 tonnes of zinc. The deposit is part of a continuous vein system that has been mined for about a 1.5-kilometre strike length and includes the Silversmith (082FNW053), Slocan King (082FNW196) and Richmond-Eureka (082FNW054) deposits. These vein systems typically crosscut stratigraphy with 070 to 090 strikes.

The limestone-hosted “replacement” deposits are typically rich in sphalerite and low in silver. Quartz is the predominant gangue mineral and is more abundant than ore minerals. Controls on ore deposition are enigmatic. However, the following factors are thought to be important: (1) favorability of competent wallrock lithologies, (2) cross fractures consisting of joints, conjugate shear planes, tension cracks or linking fractures, and (3) the absence of strong gouge (Hedley, 1952). Larger orebodies tend to be oriented oblique to the main direction of fault movement. These are largely focused along the eastern portion of the camp in the lower carbonate rich Slocan sequence.

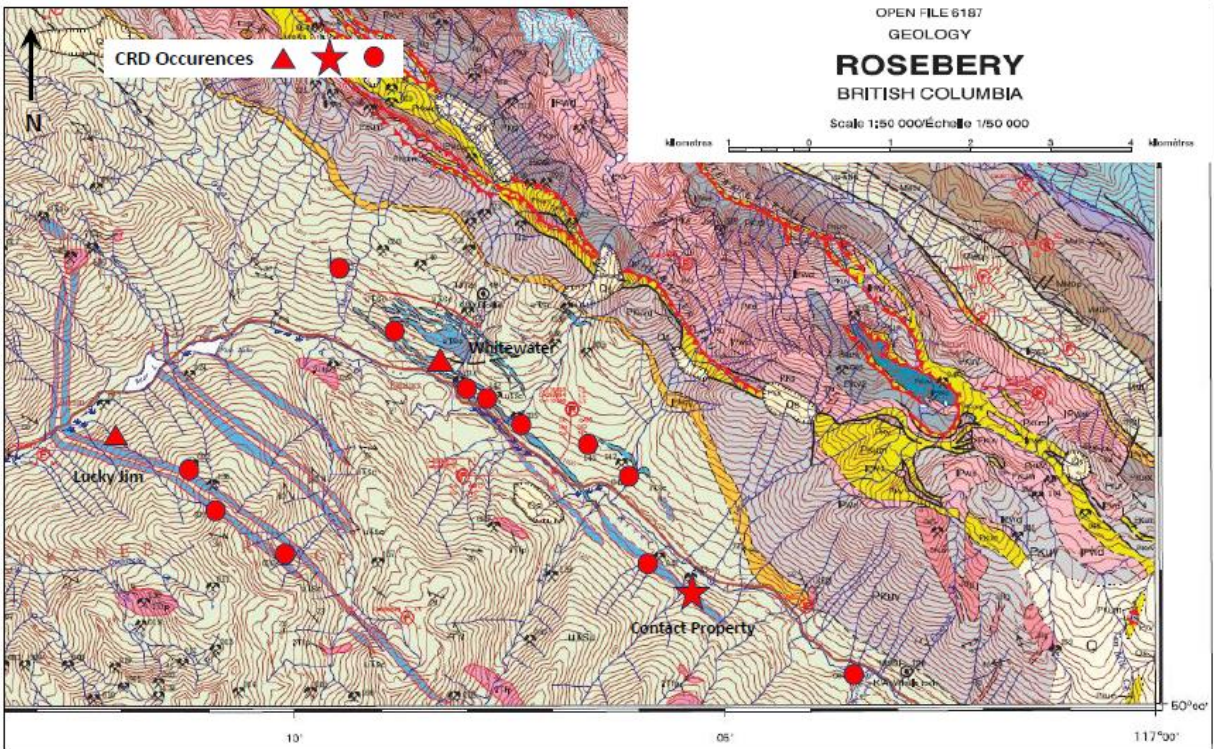


Figure 3 Contact Regional Geology (From GSC OF 6187)

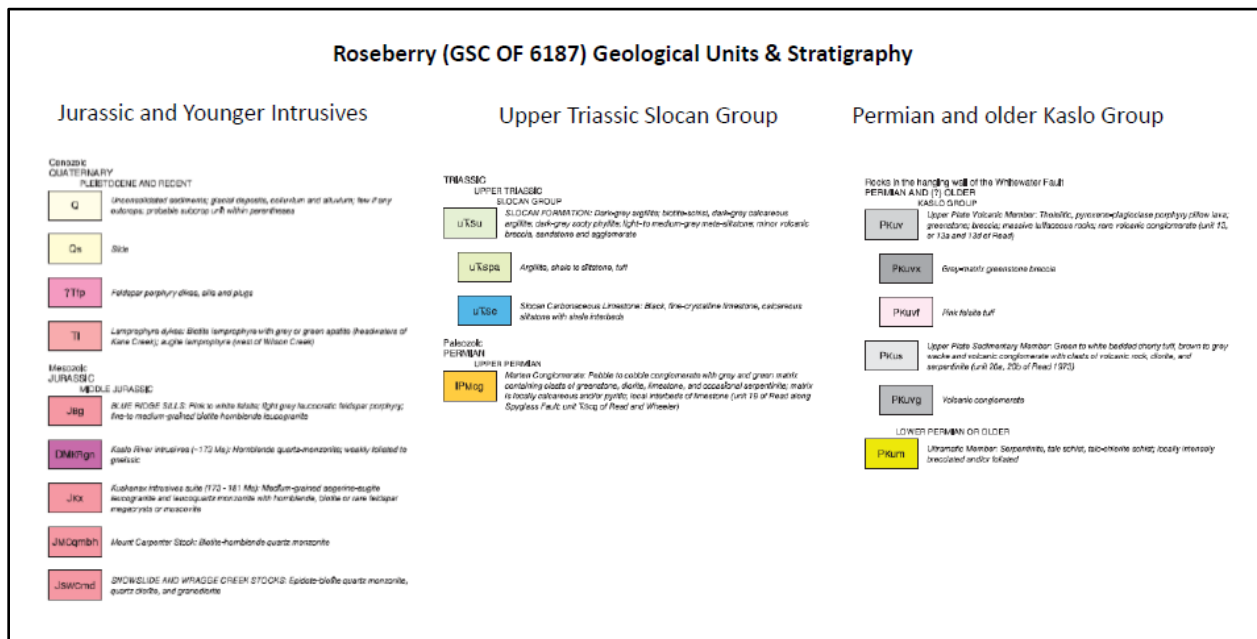


Figure 4 Contact Regional Geology Units (From GSC OF 6187)

The carbonate replacement deposits (CRD deposits) have been some of the larger deposits in the camp but have been relatively unexplored since the second world war. The Whitewater mine (082KSW033) located 4 kilometers to the northwest on strike with the Contact property produced from 1898-1952 and from 471,853 tonnes produced 108.675 tonnes of silver, 23,132 tonnes of zinc, 13,942 tonnes of lead, and 54,881 gms gold. The Lucky Jim mine (082KSW023) produced from 1893-1952 and from 1,065,798 tonnes produced 18.634 tonnes of silver, 79,789 tonnes of zinc, 3,697 tonnes of Pb, with minor Cd and Au. Both deposits remain open at depth.

The Whitewater deposit consists of an upper zone characterized by veins and a lower zone characterized by structurally controlled replacement of limestone and lamprophyre. There are few surface outcrops and most of the geology is known from exploration of the lode by adits. Mining occurred on 14 levels and several sublevels. The No. 14 adit was the principal working adit. The Whitewater lode is hosted by carbonaceous slates, slaty argillites, impure limestones and a few quartzite beds of the Triassic Slocan Group. This stratum is intruded by at least one porphyritic lamprophyre dike that is highly altered to carbonate and sericite and locally mariposite.

The upper zone occurs in a zone of shearing and fracturing in slates. The lamprophyre dike occurs as sheets and lenses within the lode and locally within the walls and intruded premineralization. Above the No. 7 level, the productive zone is up to 20 meter's thick in sheared and brecciated hostrocks. 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. Ore consists of galena and sphalerite with minor tetrahedrite and trace pyrite and chalcopryrite, and occurs as streaks up to 20 centimetres wide, lenses and irregular pods up to 12 meter's wide. Ore is hosted in a gangue of mostly siderite, as much as 1.5 meter's wide, and some quartz. Ore in the uppermost levels is oxidized. The structure of the hangingwall was thought to be an important factor in localization of the ore as well as the flatter dip of the lode at this level.

The structure of the lower zone is complex. The Whitewater lode flattens abruptly below the No. 13 level from an average dip of 60 degrees to 20 degrees northward towards the lode. The footwall consists of slates and the hangingwall consists of limestone. Local silicification occurs around the replacement bodies. There are three ore types in the lower zone. The first type occurs as masses and lenses within the lode. The second ore type consists of massive replacement of limestone by sphalerite and siderite gangue. It constitutes the majority of lower zone ore and is referred to as the 'spathic ore'. Disseminated and locally massive galena makes up roughly one-fifth of the orebodies. Pyrite and chalcopryrite are rare. Spathic ore occurs in overlapping lenses up to 10 meter's thick, conformable to bedding and with minor local silicification observed. On the No. 12, level the main orebody averaged 137 meter's long by 2.4 meter's wide. The replacement bodies appear to be controlled by irregularly spaced fractures. The third ore type consists of sphalerite and galena in a gangue of magnetite, pyrrhotite, pyrite and other silicate minerals, replacing the lamprophyre dike. This ore, referred to as the 'magnetic ore', occurs in relatively large bodies between the No. 12 and 14 levels. The maximum width is 12 meter's and length is 76 meter's. Between No. 12 and 13 levels, the limestone-slate contact is drag-folded, the dominant structural control localizing ore in the lower zone.

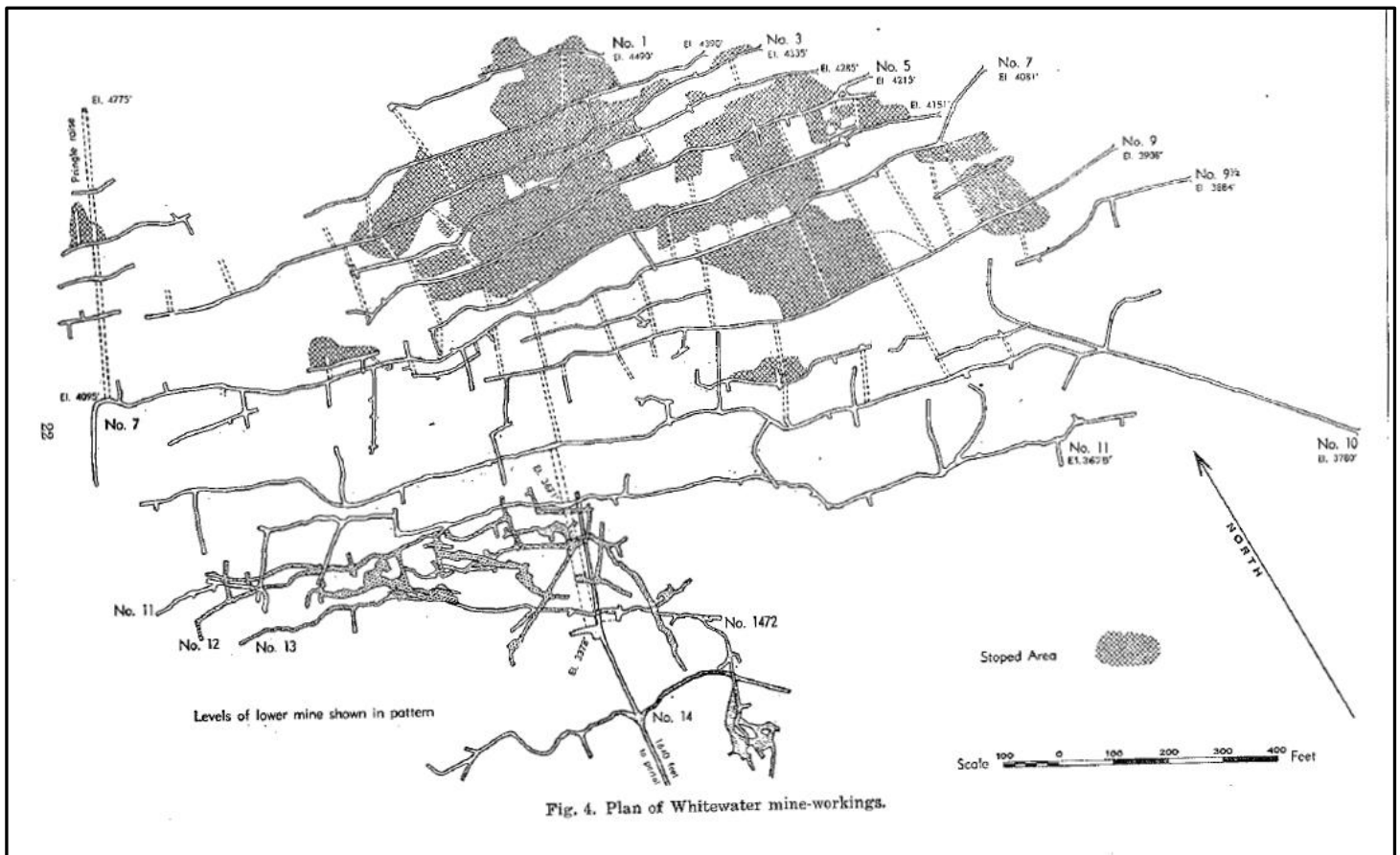


Figure 5 Whitewater Mine Isometric

The Lucky Jim mine is within a package of thinly bedded, slaty, calcareous argillite and quartzite as well as several distinct bands of limestone. The sediments strike 320 degrees and dip 40 to 80 degrees southwest. The hostrock limestone, within the former Lucky Jim mine area, is part of a major west-northwest plunging crossfractured fold structure. Brecciation, especially evident in the limestone, suggests that considerable differential movement has occurred.

Where undeformed, the "Lucky Jim" limestone has an average thickness of approximately 9 meter's and a horizontal width of 6 to 61 meter's. It has a faintly banded to massive appearance, a finely crystalline texture, and dark grey to black colour. Where strongly deformed, as it is throughout the productive section of the mine, it has been significantly thickened by folding. As a result, most of the limestone has been brecciated and, locally fractured.

The general structure controlling the Lucky Jim mineralization is the west-northwest plunging fold complex which can be traced from the highest to lowest levels of the mine. On successive cross- sections, the "mine fold" varies considerably in size and outline. Within the upper, southeasterly parts of the mine, it is essentially an irregular drag folded, buckled and thickened interval of the limestone bed with a general southwesterly dip of approximately 40 degrees. Within the lower, northwesterly workings, it is a wide, complexly folded, pinching and swelling mass of limestone relating to a broad, flat wrap in the generally southwesterly dipping section. The resulting deformation has produced a characteristic breccia structure, with thicknesses ranging from 15 to 45 meter's or more.

The most apparent structural controls of the ore mineralization are: (a) vertical cross fractures, or cross fracture zones striking at approximately 090 degrees (right angles) to the average regional strike of the bedding and are themselves mineralized to varying degrees; (b) plunging fold or buckle axes, with the replacement mineralization occurring as streaks, masses and disseminations within the limestone (breccia); (c) vertical longitudinal fractures, or zones of fracturing roughly parallel to the general strike of the limestone within the lower mine workings and (d) combinations of the above noted controls. Pervasive replacements on zones or cross fractures are produced near vertical tabular orebodies with widths of up to 12 meter's, and lengths related to the local widths of limestone traversed by the cross fractures. Vertical longitudinal fractures are apparently less important as ore controls than (a) and (b). These probably account for the bulk of the mineralization below the No. 5 level.

The orebodies at the Lucky Jim mine are the result chiefly of replacement of limestone. Mineralization predominantly consists of sphalerite, pyrite, calcite and very minor quartz in a limestone (calcite) gangue. The relative proportion of pyrite and sphalerite varies considerably, and some mineralization is composed dominantly of pyrite. The ore in any body occurs as pods, lenses, stringers and irregular masses, locally forming a systematic pattern but more often not. The boundaries of an orebody are commonly distinct, with very little gradation from ore through low-grade material, into barren rock. Small, isolated patches of mineralization are rare. Galena is common in the cross fracture zones of the upper levels (above No. 5 level), but has not been a recoverable constituent of the ore below the No. 5 level. Tin occurs as minute amounts within the sphalerite and partly in the form of cassiterite. Other minerals include pyrrhotite and, locally, very minor arsenopyrite.

Three important fracture zones have been explored and developed at the former Lucky Jim mine, each hosting significant orebodies. From northwest to southeast these are the Glory Hole fracture zone, the Central or Main fracture zone and the Big or New fracture zone. The zones are 38 to 53 meter's wide and 84 to 91 meter's apart. In the Glory Hole and Central or Main fractures, ore was hosted in irregular, chimney-shaped ore shoots, up to 15 meter's diameter, in limestone on either side of the fissure or within narrow zones of closely-spaced fractures or fissures. Four important and distinct fracture zones were discovered and mined in the Central or Main zone, which was 46 meter's wide. In the Big fracture zone, mineralization was hosted in replacement bodies developed along strike of the limestone. The largest mineralized zone of this mine, the Larson stope, extends from 61 meter's above the No. 3 level to the No. 4 level, maintaining an average width of 3 meter's over 46 meter's length. The zone contained considerable high grade lead ore.

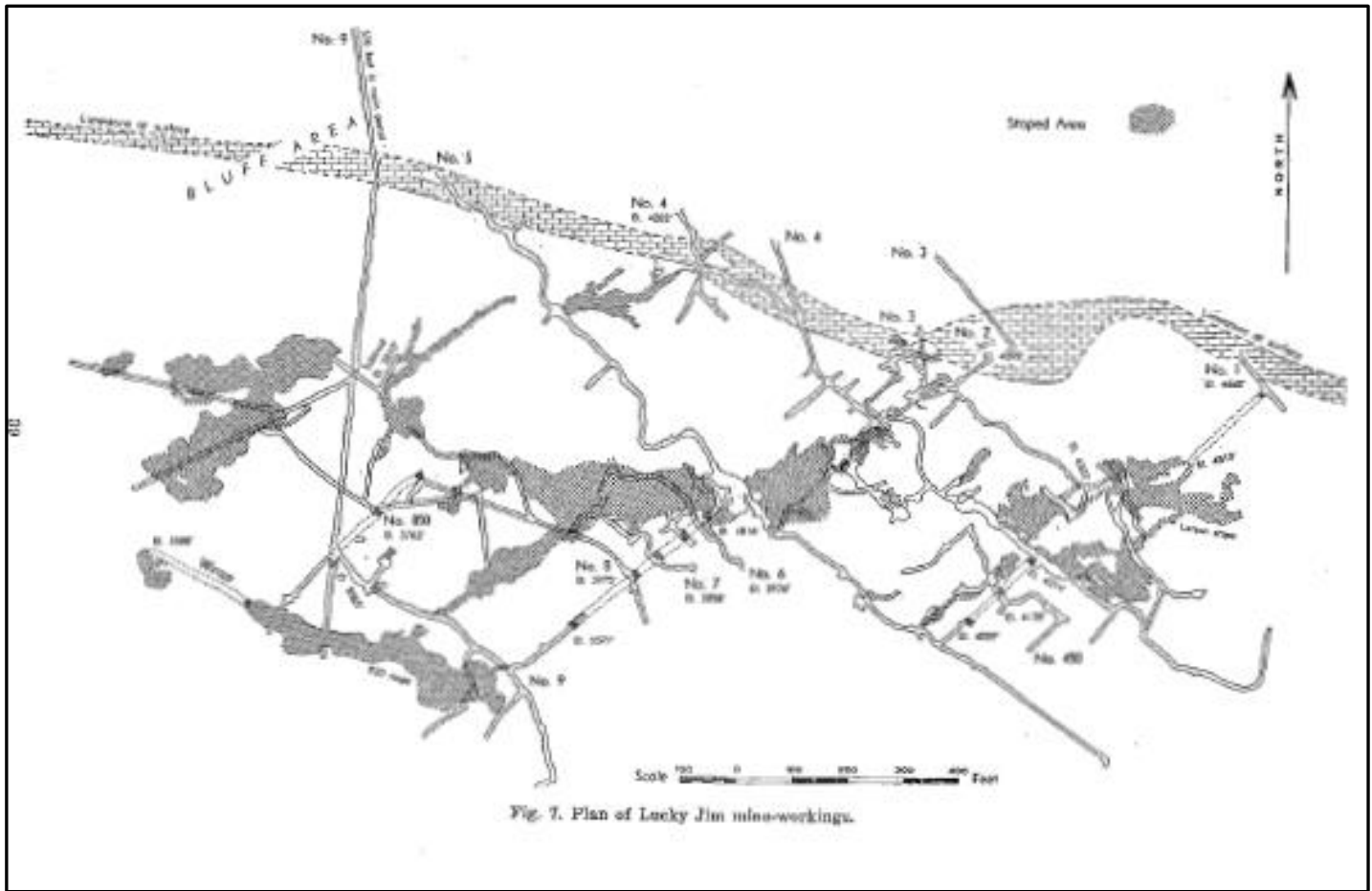


Figure 6 Lucky Jim Mine Isometric

6.2. Property Geology

The Contact property covers a lower portion of the Triassic Slocan sediments. No detailed stratigraphy has been mapped but this appears the same sequence of stratigraphy, that hosts the Whitewater mine located 4 kilometers to the northwest. The sequence seen to date appears to be dominantly shales, argillites and siltstone with units generally striking 300-310 and dipping 30-50 degrees to the southwest. Several 10-20 meter thick limestone beds are reported in the hangingwall and footwall of a particularly large limestone bed that cores the property. This bed is reportedly 70-100 meters in thickness and the section in the West showing area mapped in 2024 appears to have a 70-80 meter thickness.

The main limestone bed generally consists of blue to dark grey massive limestone but in the upper adit there appears interbeds of shales and siltstone within the limestone bed. On a local scale a number of small scale 10-100 cm isoclinal folds were observed in the siltstones.

A number of Jurassic or Tertiary feldspar porphyry sills are reported in the hangingwall and footwall of the main limestone bed but only float material of the sills was observed in 2024.

Mineralization consists of siderite rich quartz Pb-Zn-Ag veins typical of Slocan camp “wet ore” that are somewhat discordant to the stratigraphy striking 160 and 100 degrees azimuth, which is a common orientation to veins in much of the Slocan camp. The main mineralized zones of interest are large extensive manganese-siderite replacement zones. The west zone was located and examined in 2024 and large rubble areas of manganese-siderite appear to replace up to 30% by volume of the main limestone bed offering a substantial tonnage potential. As discussed in the next section this unusual mineralized style is believed to be a distal expression of a carbonate replacement deposit (CRD) with similarities to the nearby Lucky Jim and Whitewater mines. An unusual feature of the Contact mineralization is the high Mn content which is a distal feature of CRD’s but at Contact these manganese-siderite lenses have appreciable 10-30 meter thicknesses.

7. Contact Property 2024 Exploration

The 2024 exploration consisted of geological traverses on the road network around the property and a focus on relocating the historic Contact minfile occurrence. A four man crew travelled to the property and spent two days on the property and then returned home from August 12-15, 2024. The steep hillside and thick tree cover hampered the search but eventually the historic west Contact showing was located several hundred meters southwest of the minfile location, this was aided by using historic crown grants and 1928 sketch maps from Starr.

A number of historic Slocan type siderite-quartz “slocan style wet ore” veins were observed including the poorly documented “lind workings” but no time was spent on these as the focus was locating manganese-siderite replacement zones. A number of milky quartz veins with minor disseminated sulphides were also observed but again were not the priority target. The only area located was the Contact West showing, as historic maps aided location, there is a large number of additional historic pits and trenches to be located including the historic “east showing” and 35-40 other referenced targets.

The west showing consists of large boulder areas of manganese-siderite boulders in poorly exposed bedrock/subcrop in trench areas. These boulders appear distinctive with a black/blue sheen likely caused by high manganese content and a higher specific gravity of 3+. The observed mineralized trench areas agree well with Starrs sketch map and the two adits were located helping pin the sketch map (see Fig.8). The portal of the lower adit is caved but the upper adit is accessible and is in good condition with a good airflow.

These alteration zones form along the hangingwall, footwall and as crosscutting features within the main limestone unit. At the upper portal these hydrothermal zones can be seen replacing the sediments. Individual lenses appear to have 10-30 meter widths and by area approximately 30% of the limestone unit is replaced by manganese-siderite replacement zones. This offers a substantial tonnage potential.

Rock sampling in 2024 consisted of 9 rock samples representative of the mineralization in the area, samples were sent to ALS labs for analysis. Sampling was a random selection of representative altered zones to see the chemical content of these alteration zones. The Fe content ranges from 23.4% to greater than 50% which agrees with historic sampling from the 1920’s ranging from 37-44% Fe which indicates there is 50-75% siderite in this material. The Mn content is consistently elevated ranging from 3.85-9.11% Mn, which is similar to historic values and is a very high value. The economic potential for siderite and Mn is unknown but should be

investigated. The Mn is particularly interesting as in CRD systems this is typically a very distal signature usually as decimeter scale veins and the interest is the possibility these zones on the Contact property are the distal up dip end member of a large Pb, Zn, Ag +/- Au, Cu Carbonate Replacement system (CRD).

Within the replacement manganese-siderite zone galena and sphalerite veins are reported and historic sampling of the veins report Zn values of 3-10% zinc values and reported values in alteration also contained 2-5% Zn values. Four of the nine 2024 samples of the manganese-siderite alteration contain 1.28-15.95% Zn values which support historic sampling and indicate the surface alteration could provide low grade zinc ore. A number of galena veins are reported in the west zone but these were not focused on in 2024. Historic samples report Lead grades of 1-69% Pb with Ag grades ranging from 11 to 188 opt Ag. The high silver values typical of Slocan veins are likely related to high lead grades. Sampling in 2024 returned a maximum of 0.67% Pb with a corresponding high of 32.6 ppm Ag. Future work will need to determine the Pb-Ag potential in this system.

Historically there is mention of tr-3.0 g/t Au in the alteration and surprisingly in 2024 two of the nine samples returned 0.656 and 2.04 g/t Au which was not expected in this distal alteration. Along with anomalous Au, Cu values were up to 1080 ppm, Sb up to 13.15 ppm and Sn up to 311 ppm. These are all good indicators that the surface alteration is the up dip expression of a productive CRD system.

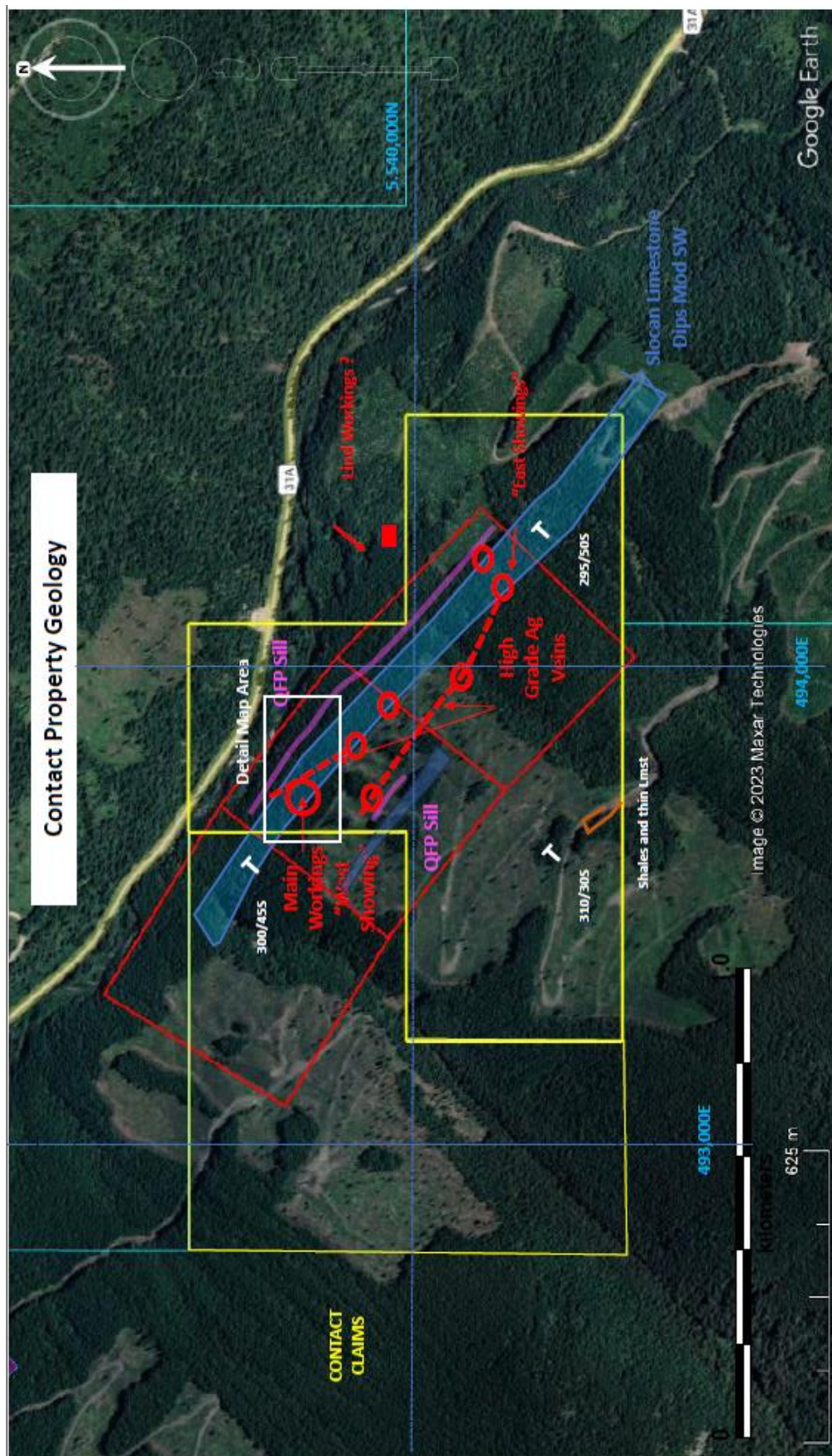


Figure 7 Contact Property Geology

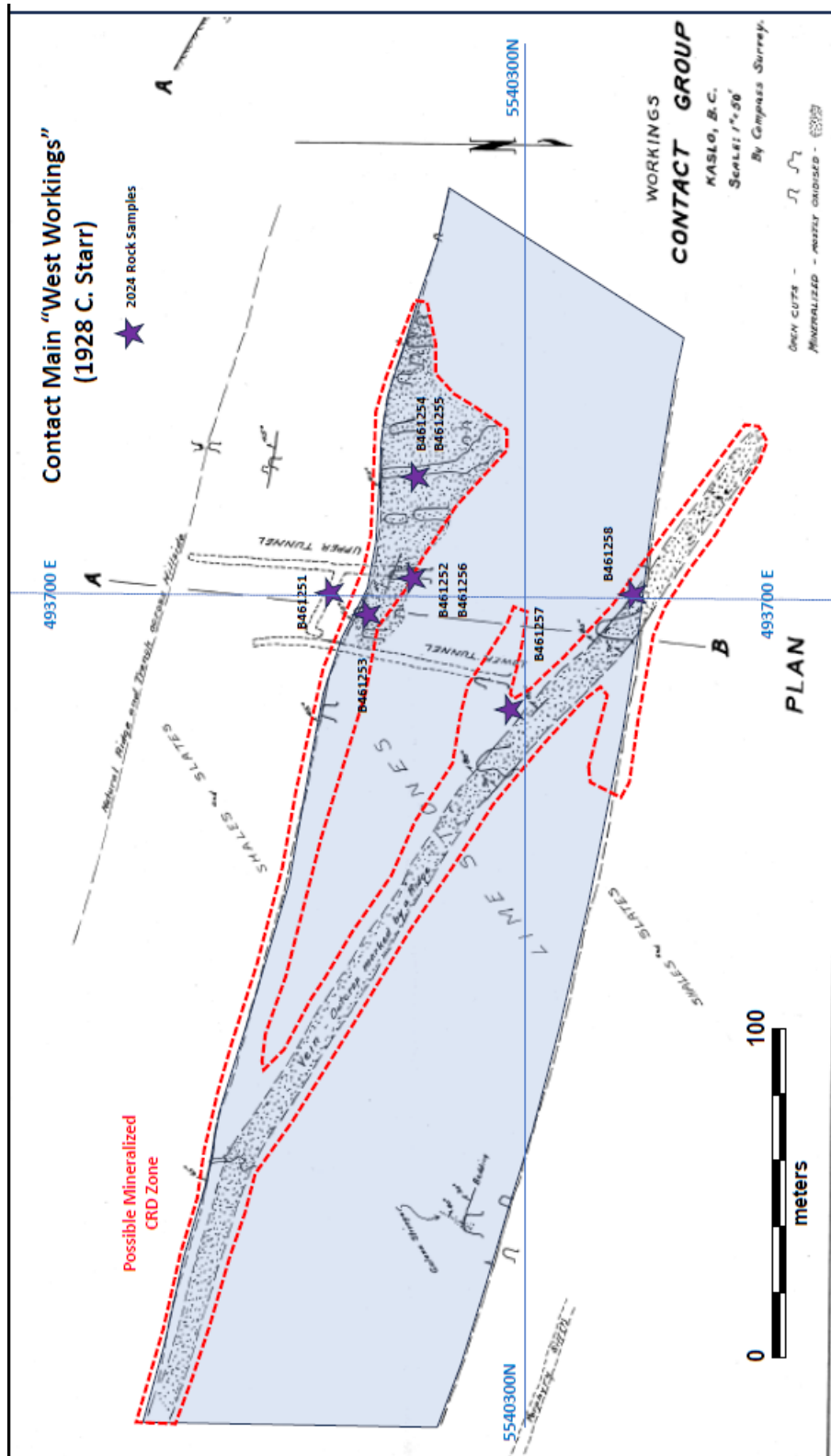


Figure 8 Contact Property Detailed Geology of the West Showing on Starr's 1928 base map.

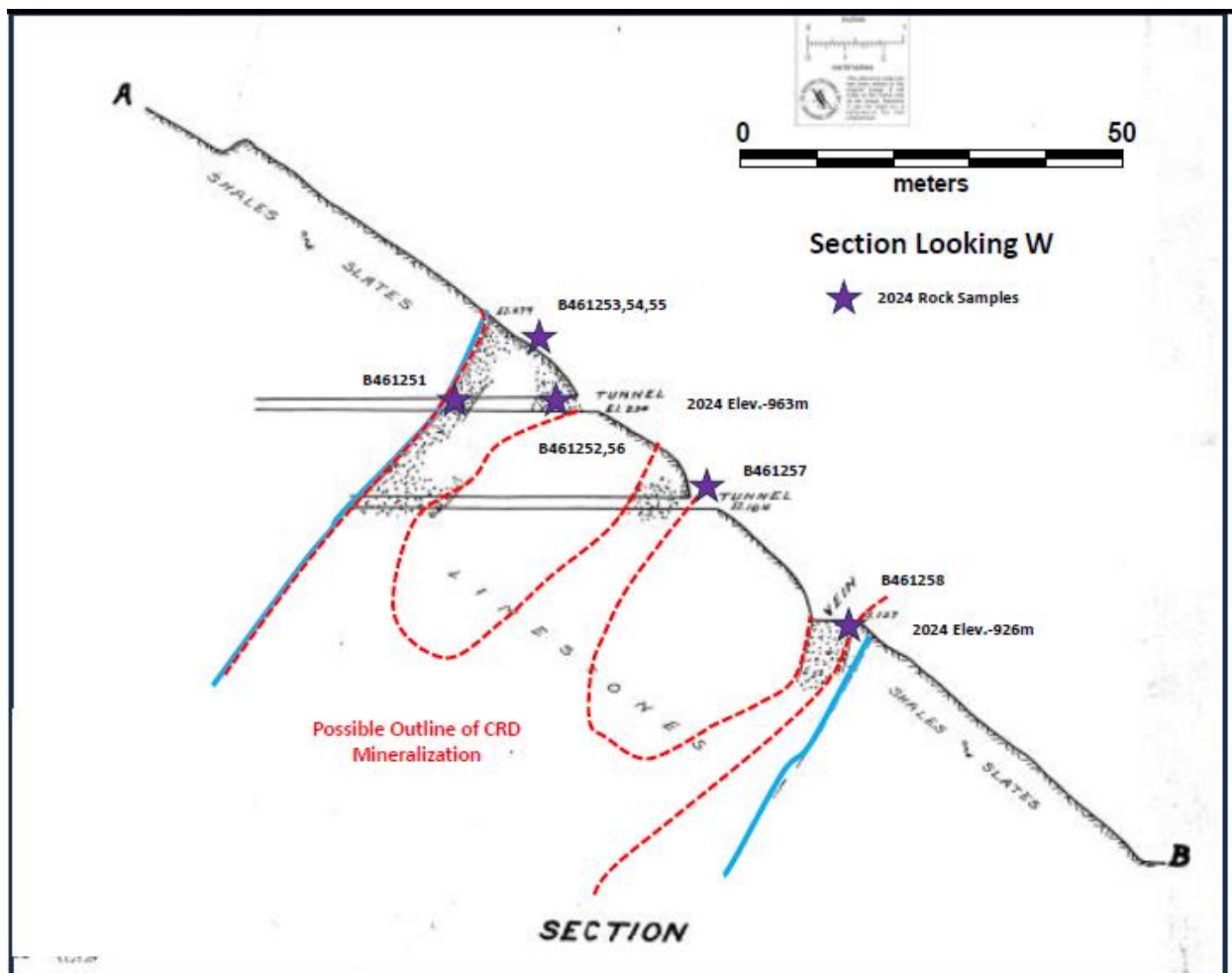


Figure 9 Contact Property Detailed Cross Section of West Showing

Sample #	UTM E	UTM N	Elevation m's	General Description	Sample Description
B461251	493680	5540245	963	General sample of crosscut in upper adit	Black/Blue Mn rims layered creamy white siderite, 2% disseminated and trace dark red-black sp grains, SG 3+, white Zn Oxide coating?
B461252	493699	5540273	963	general sample zone at entrance to upper adit	Black/Blue Mn rims layered sooty white siderite, SG 3+
B461253	493675	5540260	970	rep. of mineralized trenches SE of upper adit	Black/Blue Mn rims layered sooty white siderite, SG 3+
B461254	493720	5540250	972	rep of long trenches SW of upper adit	Black/Blue Mn rims layered sooty white siderite, SG 3+
B461255	493720	5540250	972	rep of long trenches SW of upper adit	Black/Blue Mn rims layered sooty white siderite, SG 3+, trace dark brown sp quartz and calcite 1-2 mm veinlets
B461256	493690	5540280	960	rep of dump pile below upper adit	Black/Blue Mn rims layered sooty white siderite, SG 3+, goethite laminations
B461257	493668	5540299	945	rep of dump pile below lower adit	Black/Blue Mn rims layered sooty white siderite, SG 3+, goethite laminations
B461258	493701	5540322	926	rep of dump pile of lower contact trench	Black/Blue Mn rims layered sooty white siderite, SG 3+, goethite laminations, 10% black-brown sp?
B461259	494210	5530290	892	rep of dump pile Lind? Adit	siderite and limonite matrix with black Mn coating, 20+% blackjack sp and 1% galena grains in matrix

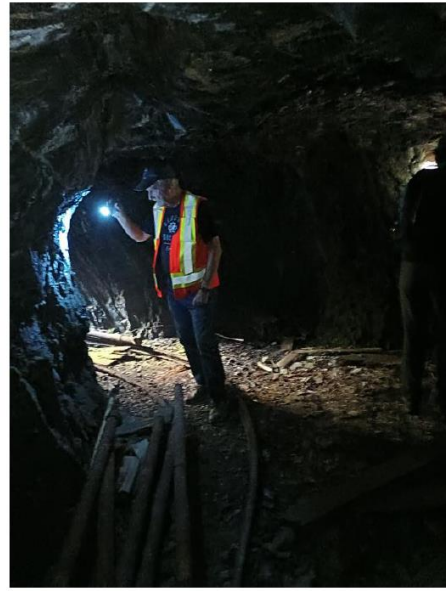
Table 2 Contact Property 2024 Rock Sample Locations and Descriptions

	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
SAMPLE	Au	Ag	Cd	Cu	Fe	Mn	Pb	Sb	Sn	Zn
DESCRIPTION	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B461251	2.04	10.1	49.8	46	35.2	76800	311	5.55	7.6	12800
B461252	0.081	1.88	0.9	7.1	47.5	78700	50.9	1.07	5.7	457
B461253	0.009	3.06	0.67	4.8	32.5	91100	29.3	0.5	2.1	316
B461254	0.019	0.89	3.66	3.6	49.0	73500	15.5	0.59	3.6	1040
B461255	0.656	1.64	1.92	8.5	>50.0	34500	45	0.79	6.3	1410
B461256	0.07	2.64	2.34	16.3	46.7	77200	327	0.6	10.5	812
B461257	0.009	7.38	80.3	17.1	31.6	87900	849	6.15	5.7	22200
B461258	0.015	4.45	122	18.6	26.5	56200	92.9	1.51	11.7	40100
B461259	0.059	32.6	>1000	1080	23.4	38500	6700	13.15	311	159500
Avg					38.04%	68266				

Table 3 Contact Property 2024 Rock Sample Results



Lind? Shaft



Lind? Adit



Upper Contact Portal Blue Limestone
Boulder Left- Manganese-Siderite
Boulder Right



Manganese-Siderite Zone at upper
contact portal replacing sediments



Manganese-Siderite Zone at upper
contact portal crosscut Zn Oxide
coating.

Figure10 Contact Property 2024 Photos



Manganese Siderite sample # 461251



Manganese Siderite sample # 461252



Manganese Siderite sample # 461253



Manganese Siderite sample # 461254



Manganese Siderite sample # 461255



Manganese Siderite sample # 461256



Manganese Siderite sample # 461257



Manganese Siderite sample # 461258

Figure 11 Contact Property 2024 Rock Sample Photos

8. Conclusions and Recommendations

The 2024 work relocated the historic Contact “West Zone” area and confirmed the historic geology and general historic geochemistry. The west showing consists of large boulder areas of manganese-siderite boulders in poorly exposed bedrock/subcrop areas. These boulders appear distinctive with a black/blue sheen likely caused by high manganese content and a higher specific gravity of 3+. The observed mineralized trench areas agree well with Starrs 1928 sketch map and the two adits were located helping pin the sketch map (see Fig.8). These alteration zones form along the hangingwall, footwall and as crosscutting features within the main limestone unit. At the upper portal these hydrothermal zones can be seen replacing the sediments. Individual lenses appear to have 10-30 meter widths and by area are approximately 30% of the limestone unit which is replaced by manganese-siderite hydrothermal replacement zones. This offers a substantial tonnage potential.

Sampling was a random selection of representative altered zones to see the chemical content of these alteration zones. The Fe content ranges from 23.4% to greater than 50% which agrees with historic sampling from the 1920's ranging from 37-44% Fe which indicates there is 50-75% siderite in this material. The Mn content is consistently elevated ranging from 3.85-9.11% Mn which is similar to historic values and is a very high value. The economic potential for siderite and Mn is unknown but should be investigated. The Mn is particularly interesting as in CRD systems this is typically a very distal signature usually as decimeter scale veins and the interest is the possibility these zones on the Contact property are the distal up dip end member of a large Pb, Zn, Ag +/- Au, Cu Carbonate Replacement system (CRD).

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Historically there is mention of tr-3.0 g/t Au in the alteration and surprisingly in 2024 two of the nine samples returned 0.656 and 2.04 g/t Au which was not expected in this distal alteration. Along with anomalous Au, Cu values were up to 1080 ppm, Sb up to 13.15 ppm and Sn up to 311 ppm.

This indicates this is an exciting target with good CRD potential and the proximity of the Lucky Jim and Whitewater mines indicates there is good regional potential on the eastern portion of the camp in the lower carbonate rich Slocan sediments.

Some key points for CRD are summarized from Peter Megaw and historical information on the Slocan camp studies and include:

The Slocan camp has an abundance of high-grade Pb, Zn, Ag +/- Ag vein systems peripheral to the Jurassic Nelson intrusions and have produced over 60 million ounces of silver on a camp

scale. They also have a number of CRD prospects as well as the Lucky Jim and Whitewater mines in the eastern portion of the Slocan camp.

Mineralization is normally discordant stratigraphy but can roll into conformable CRD deposits in carbonates and along feldspar porphyries.

CRD mineralization typically forms irregular “worm like” manto’s and pipes but mineralization is continuous from the distal Mn halo through Pb, Zn, Ag zones to proximal Cu-Au skarns and possible Cu porphyries.

The property clearly warrants additional work The following points are the recommendations for the next program:

1. Detailed mapping and sampling of the West Contact area is warranted at a more detailed scale 1: 500 or 1,000
2. Location of other historic workings including the East Contact area and the reported 35-40 trenched areas should be done with appropriate mapping and sampling.
3. Additional staking of open prospective ground.
4. These areas should be regionally mapped and the stratigraphy should be resolved for additional limestone units and any other occurrences of Slocan style veins or potential CRD’s.
5. Upon completion and pending positive results a diamond drilling program could be planned if warranted.

9. References

Cairnes, C.E. (1934): Slocan Mining Camp, British Columbia; Geological Survey of Canada, Memoir 173, 137 pages, Maps 272A and 273A, scales 1:63,360 and 1:48,000, respectively.

Cairnes, C.E. (1935): Description of Properties, Slocan Mining Camp, British Columbia; Geological Survey of Canada, Memoir 184, 274 pages.

Hansen G. (1932): Manganese Deposits of Canada: Economic Geology Series No. 12 pp. 112-114, GSC.

Hedley, M.S. (1945): Geology and Ore Deposits of the Sandon Area, Slocan Mining Camp, British Columbia; B.C Ministry of Energy, Mines and Petroleum Resources, Bulletin 29, 130 pages.

Höy, T. et al. (1994): Mineral Potential Project: Kootenay Area; B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1994-8.

McLaren, G., Stewart, G. and Lane, R. (1990): Geology and Mineral Occurrences of the Purcell Wilderness Conservancy, East Half; B.C. Ministry of Energy, Mines and Petroleum Resources, Open File Map 1990- 20.

McLaren, G., Stewart, G. and Lane, R. (1990): Geology and Mineral Potential of the Purcell Wilderness Conservancy; B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1990-1, pp. 29-37.

Propfile # 752339 Uncredited geology map of the contact property , 1930''s

Propfile # 004319 Starr C. ,1928 Preliminary report on the Contact Property

Propfile # 004321 Starr C. ,1928 Preliminary report on the Contact Property plus A. Curle update 1936

Propfile # 004322 Starr C. ,1928 Plan and Cross section for #4321 Report.

Thompson, R.L. and Dhesel, P., Roseberry 1:50,000 GSC O.F.6187

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10. Statement of Expenditures and Personnel

Description/Position	Personnel	Days	Rate	Subtotal	Total
Field Mapping/ Travel	Graeme Evans	4	\$850	\$ 3,400.00	
Aug.12-15th, 2024 Field Prospecting/Travel Aug.12-15th, 2024	Allan Frame	4	\$400	\$ 1600.00	
Prospecting/Travel Aug.12-15th, 2024 Prospecting/Travel Aug.12-15th, 2024	Jason McKeown	4	\$400	\$ 1600.00	
	Peter McKeown	4	\$400	\$ 1600.00	\$8400.00
Transportation		Days	Rate	Subtotal	Total
Truck Rental & Fuel Aug. 12-15, 2024 2 Vehicles		4 days 1960 Km's	\$.90 Km	\$1764.00	
		Fuel		\$ 362.84	\$2,126.84
Accomadation		Days	Rate	Subtotal	Total
Kaslo Hotel		3 nights	\$530.25	\$1590.75	
Meals	16 man days	4 days		\$912.48	
					\$2,503.23
Analytical		Amount	Rate	Subtotal	Total
ALS	Rock Samples	9 rocks	\$	\$ 1020.01	
	Au FA. 48 element ICP, Zn assay				\$1020.01
Report		Days	Rate	Subtotal	Total
Report Compilation	Graeme Evans	2	\$ 850	\$ 1700.00	
Historic Data Compilation		1	\$ 850	\$ 850.00	
					\$2,550.00
			Total Expenditures		\$16,600.08

11. Statement of Qualifications

For: **Graeme Evans** of 448 Azure Place Kamloops BC V2E 2R2, hereby certify that:

I graduated from University of British Columbia with a Bachelor of Science Degree in Geology (1983);

I have been practicing my profession as a geologist in mineral exploration and mining continuously since 1983;

I am a registered member in good standing as Professional Geoscientist (P. Geo) with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC) since 1993.

The observations, conclusions and recommendations contained in the report are based on field examination and the evaluation of results of the exploration program completed by myself, the author on the Contact property. The Contact property is owned by a private company Tailwinds Exploration Corp. of which I am a director.

Dated and Sealed Feb. 08, 2025



Graeme W. Evans, B. Sc., P. Geo



Appendices

(Attached to report)

- A. Assay Data
 - Statement of Analytical Procedures and QA/QC (ALS)
 - Assay Certificate (ALS)



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www.alsglobal.com/geochemistry

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213 BENCHLANDS TERRACE
CANMORE AB T1W 1G1

Page: 1
Total # Pages: 4 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2024
Account: TAIEXP

QC CERTIFICATE KL24236165

This report is for 9 samples of Rock submitted to our lab in Kamloops, BC, Canada on 27-AUG-2024.

The following have access to data associated with this certificate:

GRAEME EVANS

PETER MCKEOWN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
DIS-REJ21	Disposal of R/B Split after analysis.
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
WSH-22	"Wash" pulverizers
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	
Au-ICP21	Au 30q FA ICP-AES Finish	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

See Appendix Page for comments regarding this certificate

Signature:

Saa Traxler, Director, North Vancouver Operations



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QC CERTIFICATE OF ANALYSIS KL24236165

	Method Analyte Units LOD	Au-ICP21 Au ppm	ME-M561 Ag ppm	ME-M561 Al %	ME-M561 As ppm	ME-M561 Ba ppm	ME-M561 Ba ppm	ME-M561 Bi ppm	ME-M561 Ca %	ME-M561 Cd ppm	ME-M561 Ce ppm	ME-M561 Co ppm	ME-M561 Cr ppm	ME-M561 Cs ppm	ME-M561 Cu ppm	ME-M561 Fe %
Sample Description		0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
STANDARDS																
AMIS0160																
Target Range - Lower Bound																
Upper Bound																
CD-1																
Target Range - Lower Bound																
Upper Bound																
CT-22	2.63															
Target Range - Lower Bound	2.42															
Upper Bound	2.74															
EMOG-17		70.7	4.89	604	150	1.87	5.92	2.00	21.5	51.4	786	57	7.38	8440	5.11	
Target Range - Lower Bound		60.9	4.18	522	310	1.60	5.31	1.72	18.15	42.9	686	49	6.56	7750	4.42	
Upper Bound		74.5	5.13	638	440	2.06	6.51	2.12	22.2	52.5	838	62	8.12	8910	5.42	
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
GBM909-14																
Target Range - Lower Bound																
Upper Bound																
GMO-04																
Target Range - Lower Bound																
Upper Bound																
MP-1b																
Target Range - Lower Bound																
Upper Bound																
NCSDC70006																
Target Range - Lower Bound																
Upper Bound																
OREAS 151c	0.083															
Target Range - Lower Bound	0.074															
Upper Bound	0.086															
OREAS 315																
Target Range - Lower Bound																
Upper Bound																
OREAS 317																
OREAS 317																
Target Range - Lower Bound																
Upper Bound																
OREAS 682	0.077															

~~~~~ See Appendix Page for comments regarding this certificate ~~~~~



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Page: 2 - 8  
Total # Pages: 4 (A - D)  
Plus Appendix Pages  
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Account: TAIXEP

QC CERTIFICATE OF ANALYSIS KL24236165

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561 | ME-M561   | ME-M561   | ME-M561 | ME-M561   | ME-M561   | ME-M561 | ME-M561   | ME-M561   | ME-M561  |
|----------------------------|-----------------------------------|-----------|-----------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|----------|
|                            |                                   | Ca<br>ppm | Ca<br>ppm | Hf<br>ppm | In<br>ppm | K<br>%  | La<br>ppm | Li<br>ppm | Mg<br>% | Mn<br>ppm | Mo<br>ppm | Na<br>% | Nb<br>ppm | Ni<br>ppm | P<br>ppm |
|                            |                                   | 0.05      | 0.05      | 0.1       | 0.005     | 0.01    | 0.5       | 0.2       | 0.01    | 5         | 0.05      | 0.01    | 0.1       | 0.2       | 10       |
| STANDARDS                  |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| AMIS0160                   |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| CD-1                       |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| CT-22                      |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| EMOG-17                    |                                   | 12.55     | 0.13      | 2.0       | 0.997     | 1.76    | 26.1      | 29.0      | 1.00    | 830       | 1110      | 1.17    | 15.0      | 7920      | 830      |
| Target Range - Lower Bound |                                   | 10.75     | <0.05     | 1.6       | 0.823     | 1.49    | 20.7      | 23.9      | 0.86    | 670       | 997       | 0.99    | 12.7      | 6820      | 700      |
| Target Range - Upper Bound |                                   | 13.25     | 0.25      | 2.2       | 1.015     | 1.85    | 26.4      | 29.7      | 1.08    | 830       | 1220      | 1.23    | 15.7      | 8330      | 880      |
| EMOG-17                    |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| CBMS09-14                  |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| GMO-04                     |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| MP-1b                      |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| NCSDC70006                 |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| OREAS 151c                 |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| OREAS 315                  |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| OREAS 317                  |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| OREAS 317                  |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Lower Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| Target Range - Upper Bound |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |
| OREAS 682                  |                                   |           |           |           |           |         |           |           |         |           |           |         |           |           |          |

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QC CERTIFICATE OF ANALYSIS KL24236165

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-M561   | ME-M561   | ME-M561 | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561 | ME-M561   | ME-M561  | ME-M561  |
|----------------------------|-----------------------------------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
|                            |                                   | Rb<br>ppm | Ra<br>ppm | S<br>%  | Sb<br>ppm | Sc<br>ppm | Sa<br>ppm | Sn<br>ppm | Sr<br>ppm | Ta<br>ppm | Tb<br>ppm | Th<br>ppm | Ti<br>% | Tl<br>ppm | U<br>ppm | V<br>ppm |
|                            |                                   | 0.1       | 0.002     | 0.01    | 0.05      | 0.1       | 1         | 0.2       | 0.2       | 0.05      | 0.05      | 0.01      | 0.005   | 0.02      | 0.1      | 1        |
| STANDARDS                  |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| AMIS0160                   |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| CD-1                       |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| CT-22                      |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| EMOG-17                    |                                   | 114.5     | 0.320     | 3.33    | 824       | 8.0       | 7         | 2.8       | 212       | 0.99      | 1.36      | 11.35     | 0.330   | 2.24      | 3.1      | 76       |
| Target Range - Lower Bound |                                   | 98.9      | 0.286     | 2.91    | 643       | 7.2       | 4         | 2.2       | 184.5     | 0.78      | 1.10      | 10.35     | 0.285   | 1.89      | 2.8      | 67       |
| Upper Bound                |                                   | 121.0     | 0.354     | 3.57    | 869       | 9.0       | 9         | 3.2       | 226       | 1.08      | 1.46      | 12.65     | 0.359   | 2.61      | 3.7      | 84       |
| EMOG-17                    |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| CBMS09-14                  |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| GMO-04                     |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| MP-1b                      |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| NCSDC70006                 |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| OREAS 151c                 |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| OREAS 315                  |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| OREAS 317                  |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| OREAS 317                  |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| Upper Bound                |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |
| OREAS 682                  |                                   |           |           |         |           |           |           |           |           |           |           |           |         |           |          |          |

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Account: TAIEXP

QC CERTIFICATE OF ANALYSIS KL24236165

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-M561 | ME-M561 | ME-M561 | ME-M561 | Zn-OC62 |
|----------------------------|-----------------------------------|---------|---------|---------|---------|---------|
|                            |                                   | W       | Y       | Zn      | Zr      | Zn      |
|                            |                                   | ppm     | ppm     | ppm     | ppm     | %       |
|                            |                                   | 0.1     | 0.1     | 2       | 0.5     | 0.001   |
| STANDARDS                  |                                   |         |         |         |         |         |
| AMIS0160                   |                                   |         |         |         |         | 0.011   |
| Target Range - Lower Bound |                                   |         |         |         |         | 0.010   |
| Upper Bound                |                                   |         |         |         |         | 0.014   |
| CD-1                       |                                   |         |         |         |         | 0.013   |
| Target Range - Lower Bound |                                   |         |         |         |         |         |
| Upper Bound                |                                   |         |         |         |         |         |
| CT-22                      |                                   |         |         |         |         |         |
| Target Range - Lower Bound |                                   |         |         |         |         |         |
| Upper Bound                |                                   |         |         |         |         |         |
| EMOG-17                    |                                   | 4.2     | 15.8    | 7550    | 64.1    |         |
| Target Range - Lower Bound |                                   | 3.3     | 14.3    | 6800    | 55.6    |         |
| Upper Bound                |                                   | 4.7     | 17.7    | 8320    | 76.4    |         |
| EMOG-17                    |                                   |         |         |         |         | 0.752   |
| Target Range - Lower Bound |                                   |         |         |         |         | 0.729   |
| Upper Bound                |                                   |         |         |         |         | 0.784   |
| G8M909-14                  |                                   |         |         |         |         | 6.21    |
| Target Range - Lower Bound |                                   |         |         |         |         | 6.11    |
| Upper Bound                |                                   |         |         |         |         | 6.55    |
| CMO-04                     |                                   |         |         |         |         | 0.013   |
| Target Range - Lower Bound |                                   |         |         |         |         |         |
| Upper Bound                |                                   |         |         |         |         |         |
| MP-1b                      |                                   |         |         |         |         | 16.95   |
| Target Range - Lower Bound |                                   |         |         |         |         | 16.10   |
| Upper Bound                |                                   |         |         |         |         | 17.25   |
| NCSDC70006                 |                                   |         |         |         |         | 0.008   |
| Target Range - Lower Bound |                                   |         |         |         |         |         |
| Upper Bound                |                                   |         |         |         |         |         |
| OREAS 151c                 |                                   |         |         |         |         |         |
| Target Range - Lower Bound |                                   |         |         |         |         |         |
| Upper Bound                |                                   |         |         |         |         |         |
| OREAS 315                  |                                   |         |         |         |         | 5.42    |
| Target Range - Lower Bound |                                   |         |         |         |         | 5.26    |
| Upper Bound                |                                   |         |         |         |         | 5.64    |
| OREAS 317                  |                                   |         |         |         |         | 17.50   |
| OREAS 317                  |                                   |         |         |         |         | 17.30   |
| Target Range - Lower Bound |                                   |         |         |         |         | 16.85   |
| Upper Bound                |                                   |         |         |         |         | 18.05   |
| OREAS 682                  |                                   |         |         |         |         |         |

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QC CERTIFICATE OF ANALYSIS KL24236165

| Method
Analyte
Units
LOD | Au-ICP21 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 |
|-----------------------------------|--------------------|-------------------|-----------------|------------------|-----------------|-------------------|-------------------|-----------------|-------------------|-------------------|------------------|----------------|-------------------|------------------|-----------------|
| Sample Description | Au
ppm
0.001 | Ag
ppm
0.01 | Al
%
0.01 | As
ppm
0.2 | Ba
ppm
10 | Be
ppm
0.05 | Bi
ppm
0.01 | Ca
%
0.01 | Cd
ppm
0.02 | Ce
ppm
0.01 | Co
ppm
0.1 | Cr
ppm
1 | Cs
ppm
0.05 | Cu
ppm
0.2 | Fe
%
0.01 |
| STANDARDS | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | 0.070 | | | | | | | | | | | | | | |
| Upper Bound | 0.081 | | | | | | | | | | | | | | |
| OREAS-76a | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | |
| PK08 | 5.04 | | | | | | | | | | | | | | |
| Target Range - Lower Bound | 4.66 | | | | | | | | | | | | | | |
| Upper Bound | 5.25 | | | | | | | | | | | | | | |
| BLANKS | | | | | | | | | | | | | | | |
| BLANK | <0.001 | | | | | | | | | | | | | | |
| Target Range - Lower Bound | <0.001 | | | | | | | | | | | | | | |
| Upper Bound | 0.002 | | | | | | | | | | | | | | |
| BLANK | | <0.01 | <0.01 | <0.2 | <10 | <0.05 | <0.01 | <0.01 | <0.02 | 0.01 | <0.1 | <1 | <0.05 | <0.2 | <0.01 |
| Target Range - Lower Bound | <0.01 | <0.01 | <0.01 | <0.2 | <10 | <0.05 | <0.01 | <0.01 | <0.02 | <0.01 | <0.1 | <1 | <0.05 | <0.2 | <0.01 |
| Upper Bound | 0.02 | 0.02 | 0.02 | 0.4 | 20 | 0.10 | 0.02 | 0.02 | 0.04 | 0.02 | 0.2 | 2 | 0.10 | 0.4 | 0.02 |
| BLANK | | | | | | | | | | | | | | | |
| BLANK | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | |
| DUPLICATES | | | | | | | | | | | | | | | |
| ORIGINAL | 0.019 | | | | | | | | | | | | | | |
| DUP | 0.017 | | | | | | | | | | | | | | |
| Target Range - Lower Bound | 0.016 | | | | | | | | | | | | | | |
| Upper Bound | 0.020 | | | | | | | | | | | | | | |
| ORIGINAL | 0.004 | | | | | | | | | | | | | | |
| DUP | 0.003 | | | | | | | | | | | | | | |
| Target Range - Lower Bound | 0.002 | | | | | | | | | | | | | | |
| Upper Bound | 0.005 | | | | | | | | | | | | | | |

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QC CERTIFICATE OF ANALYSIS KL24236165

| Method<br>Analyte<br>Units<br>LOD | ME-M561<br>Ca<br>ppm<br>0.05 | ME-M561<br>Ca<br>ppm<br>0.05 | ME-M561<br>Hf<br>ppm<br>0.1 | ME-M561<br>In<br>ppm<br>0.005 | ME-M561<br>K<br>%<br>0.01 | ME-M561<br>La<br>ppm<br>0.5 | ME-M561<br>Li<br>ppm<br>0.2 | ME-M561<br>Mg<br>%<br>0.01 | ME-M561<br>Mn<br>ppm<br>5 | ME-M561<br>Mo<br>ppm<br>0.05 | ME-M561<br>Na<br>%<br>0.01 | ME-M561<br>Nb<br>ppm<br>0.1 | ME-M561<br>Ni<br>ppm<br>0.2 | ME-M561<br>P<br>ppm<br>10 | ME-M561<br>Pb<br>ppm<br>0.5 |
|-----------------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|---------------------------|------------------------------|----------------------------|-----------------------------|-----------------------------|---------------------------|-----------------------------|
| Sample Description                | STANDARDS                    |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Target Range - Lower Bound        |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Upper Bound                       |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| OREAS-76a                         |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Target Range - Lower Bound        |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Upper Bound                       |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| PK08                              |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Target Range - Lower Bound        |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Upper Bound                       |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| BLANK                             |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Target Range - Lower Bound        |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Upper Bound                       |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| BLANK                             | <0.05                        | <0.05                        | <0.1                        | <0.005                        | <0.01                     | <0.5                        | <0.2                        | <0.01                      | 6                         | <0.05                        | <0.01                      | <0.1                        | <0.2                        | <10                       | <0.5                        |
| Target Range - Lower Bound        | <0.05                        | <0.05                        | <0.1                        | <0.005                        | <0.01                     | <0.5                        | <0.2                        | <0.01                      | <5                        | <0.05                        | <0.01                      | <0.1                        | <0.2                        | <10                       | <0.5                        |
| Upper Bound                       | 0.10                         | 0.10                         | 0.2                         | 0.010                         | 0.02                      | 1.0                         | 0.4                         | 0.02                       | 10                        | 0.10                         | 0.02                       | 0.2                         | 0.4                         | 20                        | 1.0                         |
| BLANK                             |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| BLANK                             |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Target Range - Lower Bound        |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Upper Bound                       |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| ORIGINAL                          |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| DUP                               |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Target Range - Lower Bound        |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Upper Bound                       |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| ORIGINAL                          |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| DUP                               |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Target Range - Lower Bound        |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| Upper Bound                       |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |
| DUPLICATES                        |                              |                              |                             |                               |                           |                             |                             |                            |                           |                              |                            |                             |                             |                           |                             |

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213 BENCHLANDS TERRACE
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QC CERTIFICATE OF ANALYSIS KL24236165

| Sample Description | Method
Analyte
Units
LOD | ME-M561
Rb
ppm
0.1 | ME-M561
Ra
ppm
0.002 | ME-M561
S
%
0.01 | ME-M561
Sb
ppm
0.05 | ME-M561
Sc
ppm
0.1 | ME-M561
Se
ppm
1 | ME-M561
Sn
ppm
0.2 | ME-M561
Sr
ppm
0.2 | ME-M561
Ta
ppm
0.05 | ME-M561
Tb
ppm
0.05 | ME-M561
Th
ppm
0.01 | ME-M561
Ti
%
0.005 | ME-M561
Tl
ppm
0.02 | ME-M561
U
ppm
0.1 | ME-M561
V
ppm
1 |
|----------------------------|-----------------------------------|-----------------------------|-------------------------------|---------------------------|------------------------------|-----------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|----------------------------|--------------------------|
| STANDARDS | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| OREAS-76a | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| PK08 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| BLANKS | | | | | | | | | | | | | | | | |
| BLANK | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| BLANK | | <0.1 | <0.002 | <0.01 | <0.05 | <0.1 | <1 | <0.2 | <0.2 | <0.05 | <0.05 | <0.01 | <0.005 | <0.02 | <0.1 | <1 |
| Target Range - Lower Bound | | <0.1 | <0.002 | <0.01 | <0.05 | <0.1 | <1 | <0.2 | <0.2 | <0.05 | <0.05 | <0.01 | <0.005 | <0.02 | <0.1 | <1 |
| Upper Bound | | 0.2 | 0.004 | 0.02 | 0.10 | 0.2 | 2 | 0.4 | 0.4 | 0.10 | 0.10 | 0.02 | 0.010 | 0.04 | 0.2 | 2 |
| BLANK | | | | | | | | | | | | | | | | |
| BLANK | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| DUPLICATES | | | | | | | | | | | | | | | | |
| ORIGINAL | | | | | | | | | | | | | | | | |
| DUP | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |

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QC CERTIFICATE OF ANALYSIS KL24236165

| Method
Analyte
Units
LOD | ME-M561
W
ppm
0.1 | ME-M561
Y
ppm
0.1 | ME-M561
Zn
ppm
2 | ME-M561
Zr
ppm
0.5 | Zn-OC62
Zn
%
0.001 |
|-----------------------------------|----------------------------|----------------------------|---------------------------|-----------------------------|-----------------------------|
| Sample Description | | | | | |
| STANDARDS | | | | | |
| Target Range - Lower Bound | | | | | |
| Upper Bound | | | | | |
| OREAS-76a | 0.008 | | | | |
| Target Range - Lower Bound | <0.001 | | | | |
| Upper Bound | 0.003 | | | | |
| PK08 | | | | | |
| Target Range - Lower Bound | | | | | |
| Upper Bound | | | | | |
| BLANKS | | | | | |
| BLANK | | | | | |
| Target Range - Lower Bound | | | | | |
| Upper Bound | | | | | |
| BLANK | <0.1 | <0.1 | <2 | <0.5 | |
| Target Range - Lower Bound | <0.1 | <0.1 | <2 | <0.5 | |
| Upper Bound | 0.2 | 0.2 | 4 | 1.0 | |
| BLANK | <0.001 | | | | |
| BLANK | <0.001 | | | | |
| Target Range - Lower Bound | <0.001 | | | | |
| Upper Bound | 0.002 | | | | |
| DUPLICATES | | | | | |
| ORIGINAL | | | | | |
| DUP | | | | | |
| Target Range - Lower Bound | | | | | |
| Upper Bound | | | | | |
| ORIGINAL | | | | | |
| DUP | | | | | |
| Target Range - Lower Bound | | | | | |
| Upper Bound | | | | | |

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QC CERTIFICATE OF ANALYSIS KL24236165

| Sample Description         | Method<br>Analyte<br>Units<br>LOD | Au-ICP21  | ME-M561   | ME-M561 | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561 | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561   | ME-M561 |
|----------------------------|-----------------------------------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
|                            |                                   | Au<br>ppm | Ag<br>ppm | Al<br>% | As<br>ppm | Ba<br>ppm | Ba<br>ppm | Bi<br>ppm | Ca<br>% | Cd<br>ppm | Ca<br>ppm | Co<br>ppm | Cr<br>ppm | Cs<br>ppm | Cu<br>ppm | Fe<br>% |
|                            |                                   | 0.001     | 0.01      | 0.01    | 0.2       | 10        | 0.05      | 0.01      | 0.01    | 0.02      | 0.01      | 0.1       | 1         | 0.05      | 0.2       | 0.01    |
| DUPLICATES                 |                                   |           |           |         |           |           |           |           |         |           |           |           |           |           |           |         |
| B461252                    |                                   | 0.081     | 1.88      | 0.15    | 800       | 20        | 0.13      | 0.72      | 0.19    | 0.90      | 1.88      | 1.4       | <1        | 0.44      | 7.1       | 47.5    |
| DUP                        |                                   | 0.079     | 1.87      | 0.15    | 826       | 20        | 0.13      | 0.76      | 0.19    | 0.84      | 1.90      | 1.4       | <1        | 0.44      | 10.4      | 49.2    |
| Target Range - Lower Bound |                                   | 0.075     | 1.77      | 0.13    | 772       | <10       | 0.07      | 0.69      | 0.17    | 0.81      | 1.79      | 1.2       | <1        | 0.37      | 8.2       | 45.9    |
| Upper Bound                |                                   | 0.085     | 1.98      | 0.17    | 854       | 30        | 0.19      | 0.79      | 0.21    | 0.93      | 1.99      | 1.6       | 2         | 0.51      | 9.3       | 50.0    |
| ORIGINAL                   |                                   |           |           |         |           |           |           |           |         |           |           |           |           |           |           |         |
| DUP                        |                                   |           |           |         |           |           |           |           |         |           |           |           |           |           |           |         |
| Target Range - Lower Bound |                                   |           |           |         |           |           |           |           |         |           |           |           |           |           |           |         |
| Upper Bound                |                                   |           |           |         |           |           |           |           |         |           |           |           |           |           |           |         |

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QC CERTIFICATE OF ANALYSIS KL24236165

| Sample Description | Method
Analyte
Units
LOD | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 |
|----------------------------|-----------------------------------|-----------|-----------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|----------|-----------|
| | | Ca
ppm | Ca
ppm | Hf
ppm | In
ppm | K
% | La
ppm | Li
ppm | Mg
% | Mn
ppm | Mo
ppm | Na
% | Nb
ppm | Ni
ppm | P
ppm | Pb
ppm |
| | | 0.05 | 0.05 | 0.1 | 0.005 | 0.01 | 0.5 | 0.2 | 0.01 | 5 | 0.05 | 0.01 | 0.1 | 0.2 | 10 | 0.5 |
| DUPLICATES | | | | | | | | | | | | | | | | |
| B461252 | | 2.45 | 0.22 | <0.1 | 7.68 | 0.05 | 1.0 | 1.3 | 0.21 | 78700 | 1.71 | 0.01 | 0.1 | 7.9 | 320 | 50.9 |
| DUP | | 3.18 | 0.25 | <0.1 | 8.06 | 0.05 | 0.9 | 1.3 | 0.22 | 81300 | 2.55 | 0.01 | 0.1 | 8.2 | 330 | 52.6 |
| Target Range - Lower Bound | | 2.62 | 0.17 | <0.1 | 7.47 | 0.04 | <0.5 | 1.0 | 0.19 | 76000 | 1.97 | <0.01 | <0.1 | 7.4 | 300 | 48.7 |
| Upper Bound | | 3.01 | 0.30 | 0.2 | 8.27 | 0.06 | 1.0 | 1.6 | 0.24 | 84000 | 2.29 | 0.02 | 0.2 | 8.7 | 350 | 54.8 |
| ORIGINAL | | | | | | | | | | | | | | | | |
| DUP | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |

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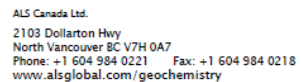
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QC CERTIFICATE OF ANALYSIS KL24236165

| Sample Description | Method
Analyte
Units
LOD | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 |
|----------------------------|-----------------------------------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|
| | | Rb
ppm | Ra
ppm | S
% | Sb
ppm | Sc
ppm | Sa
ppm | Sn
ppm | Sr
ppm | Ta
ppm | Ta
ppm | Th
ppm | Ti
% | Ti
ppm | U
ppm | V
ppm |
| | | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 | 1 |
| DUPLICATES | | | | | | | | | | | | | | | | |
| B461252 | | 3.7 | <0.002 | 0.19 | 1.07 | 0.6 | 1 | 5.7 | 69.6 | <0.05 | <0.05 | 0.24 | <0.005 | 0.05 | 3.1 | 15 |
| DUP | | 3.7 | <0.002 | 0.20 | 1.07 | 0.7 | 1 | 5.8 | 70.9 | <0.05 | <0.05 | 0.23 | <0.005 | 0.05 | 3.2 | 15 |
| Target Range - Lower Bound | | 3.4 | <0.002 | 0.18 | 0.94 | 0.5 | <1 | 5.3 | 66.5 | <0.05 | <0.05 | 0.21 | <0.005 | 0.03 | 2.9 | 14 |
| Upper Bound | | 4.0 | 0.004 | 0.21 | 1.20 | 0.8 | 2 | 6.2 | 74.0 | 0.10 | 0.10 | 0.26 | 0.010 | 0.07 | 3.4 | 17 |
| ORIGINAL | | | | | | | | | | | | | | | | |
| DUP | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |

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| Sample Description         | Method<br>Analyte<br>Units<br>LOD | ME-M561         | ME-M561         | ME-M561        | ME-M561          | Zn-OC62          |
|----------------------------|-----------------------------------|-----------------|-----------------|----------------|------------------|------------------|
|                            |                                   | W<br>ppm<br>0.1 | Y<br>ppm<br>0.1 | Zn<br>ppm<br>2 | Zr<br>ppm<br>0.5 | Zn<br>%<br>0.001 |
|                            |                                   | DUPLICATES      |                 |                |                  |                  |
| B461252                    |                                   | 0.3             | 6.3             | 457            | 1.6              |                  |
| DUP                        |                                   | 0.3             | 6.5             | 467            | 1.8              |                  |
| Target Range - Lower Bound |                                   | 0.2             | 6.0             | 437            | 1.1              |                  |
| Upper Bound                |                                   | 0.4             | 6.8             | 487            | 2.3              |                  |
| ORIGINAL                   |                                   |                 |                 |                | 2.36             |                  |
| DUP                        |                                   |                 |                 |                | 2.38             |                  |
| Target Range - Lower Bound |                                   |                 |                 |                | 2.31             |                  |
| Upper Bound                |                                   |                 |                 |                | 2.43             |                  |
|                            |                                   |                 |                 |                |                  |                  |

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QC CERTIFICATE OF ANALYSIS KL24236165

|                    | CERTIFICATE COMMENTS                                                                                                                                      |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | <b>ANALYTICAL COMMENTS</b>                                                                                                                                |
| Applies to Method: | REEs may not be totally soluble in this method.<br>ME-MS61                                                                                                |
|                    | <b>LABORATORY ADDRESSES</b>                                                                                                                               |
| Applies to Method: | Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada.<br>CRU-31 CRU-QC DIS-REJ21 LOG-21<br>PUL-31 PUL-QC SPL-21 WEI-21<br>WSH-22 |
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br>Au-ICP21 ME-MS61 ME-OG62 Zn-OG62                                |



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CERTIFICATE KL24236165

This report is for 9 samples of Rock submitted to our lab in Kamloops, BC, Canada on 27-AUG-2024.

The following have access to data associated with this certificate:

GRAEME EVANS

PETER MCKEOWN

SAMPLE PREPARATION

| ALS CODE  | DESCRIPTION                           |
|-----------|---------------------------------------|
| WEI-21    | Received Sample Weight                |
| LOG-21    | Sample logging - ClientBarCode        |
| DIS-REJ21 | Disposal of R/B Split after analysis. |
| CRU-QC    | Crushing QC Test                      |
| PUL-QC    | Pulverizing QC Test                   |
| WSH-22    | "Wash" pulverizers                    |
| CRU-31    | Fine crushing - 70% <2mm              |
| SPL-21    | Split sample - riffle splitter        |
| PUL-31    | Pulverize up to 250g 85% <75 um       |

ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| ME-MS61  | 48 element four acid ICP-MS    |            |
| ME-OG62  | Ore Grade Elements - Four Acid | ICP-AES    |
| Zn-OG62  | Ore Grade Zn - Four Acid       |            |
| Au-ICP21 | Au 30q FA ICP-AES Finish       | ICP-AES    |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

~~~~~ See Appendix Page for comments regarding this certificate ~~~~~

Signature:

Saa Traxler, Director, North Vancouver Operations



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CERTIFICATE OF ANALYSIS KL24236165

| Sample Description | Method
Analyte
Units
LOD | WEI-21 | Au-ICP21 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 |
|--------------------|-----------------------------------|----------------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|
| | | Revd Wt.
kg | Au
ppm | Ag
ppm | Al
% | As
ppm | Ba
ppm | Ba
ppm | Bi
ppm | Ca
% | Cd
ppm | Ce
ppm | Co
ppm | Cr
ppm | Cu
ppm |
| | | 0.02 | 0.001 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.2 |
| B461251 | | 1.44 | 2.04 | 10.10 | 0.21 | 391 | 10 | 0.36 | 0.54 | 0.83 | 49.8 | 2.73 | 4.0 | 3 | 0.36 |
| B461252 | | 1.78 | 0.081 | 1.88 | 0.15 | 800 | 20 | 0.13 | 0.72 | 0.19 | 0.90 | 1.88 | 1.4 | <1 | 0.44 |
| B461253 | | 1.29 | 0.009 | 3.06 | 0.17 | 19.8 | 20 | 0.17 | 0.20 | 0.47 | 0.67 | 1.55 | 1.0 | 2 | 0.33 |
| B461254 | | 1.34 | 0.019 | 0.89 | 0.18 | 33.6 | 90 | 0.17 | 0.08 | 0.16 | 3.66 | 1.92 | 0.9 | 1 | 0.33 |
| B461255 | | 1.52 | 0.656 | 1.64 | 0.27 | 252 | 70 | 0.19 | 0.61 | 0.07 | 1.92 | 2.49 | 1.5 | 3 | 0.36 |
| B461256 | | 1.06 | 0.070 | 2.64 | 0.13 | 505 | 20 | 0.13 | 1.14 | 0.21 | 2.34 | 1.41 | 1.5 | <1 | 0.27 |
| B461257 | | 1.69 | 0.009 | 7.38 | 0.34 | 392 | 40 | 0.29 | 0.38 | 0.36 | 80.3 | 4.34 | 2.4 | 5 | 0.58 |
| B461258 | | 1.99 | 0.015 | 4.45 | 0.29 | 42.8 | 10 | 0.25 | 0.25 | 5.28 | 122.0 | 4.65 | 1.9 | 12 | 0.39 |
| B461259 | | 1.46 | 0.059 | 32.6 | 0.30 | 30.8 | 40 | 0.13 | 0.03 | 0.17 | >1000 | 5.00 | 3.8 | 13 | 0.81 |

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CERTIFICATE OF ANALYSIS KL24236165

| Sample Description | Method
Analyte
Units
LOD | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 |
|--------------------|-----------------------------------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|----------|
| | | Fe
% | Ca
ppm | Co
ppm | Hf
ppm | In
ppm | K
% | La
ppm | Li
ppm | Mg
% | Mn
ppm | Mo
ppm | Na
% | Nb
ppm | Ni
ppm | P
ppm |
| | | 0.01 | 0.05 | 0.05 | 0.1 | 0.005 | 0.01 | 0.5 | 0.2 | 0.01 | 5 | 0.05 | 0.01 | 0.1 | 0.2 | 10 |
| B461251 | | 35.2 | 3.10 | 0.18 | 0.1 | 5.37 | 0.07 | 1.0 | 1.6 | 1.07 | 76900 | 2.94 | 0.01 | 0.1 | 19.0 | 450 |
| B461252 | | 47.5 | 2.45 | 0.22 | <0.1 | 7.68 | 0.05 | 1.0 | 1.3 | 0.21 | 78700 | 1.71 | 0.01 | 0.1 | 7.9 | 320 |
| B461253 | | 32.5 | 2.60 | 0.20 | 0.1 | 4.83 | 0.10 | 0.7 | 1.4 | 0.10 | 91100 | 2.51 | 0.01 | 0.1 | 9.6 | 370 |
| B461254 | | 49.0 | 2.34 | 0.38 | <0.1 | 11.60 | 0.07 | 1.0 | 0.9 | 0.05 | 73500 | 2.64 | 0.01 | 0.1 | 7.7 | 740 |
| B461255 | | >50 | 1.72 | 0.32 | 0.1 | 8.15 | 0.09 | 1.5 | 1.4 | 0.04 | 34500 | 4.02 | 0.01 | 0.1 | 9.9 | 480 |
| B461256 | | 46.7 | 2.18 | 0.23 | <0.1 | 12.25 | 0.05 | 0.7 | 1.3 | 0.32 | 77200 | 1.01 | 0.01 | 0.1 | 7.1 | 290 |
| B461257 | | 31.6 | 2.99 | 0.18 | 0.1 | 4.52 | 0.13 | 1.7 | 3.7 | 0.05 | 87900 | 3.77 | 0.03 | 0.2 | 18.8 | 470 |
| B461258 | | 26.5 | 2.23 | 0.13 | 0.1 | 6.94 | 0.09 | 1.8 | 1.6 | 1.15 | 56200 | 3.32 | 0.01 | 0.3 | 7.9 | 1750 |
| B461259 | | 23.4 | 3.63 | 0.12 | 0.1 | 0.682 | 0.13 | 2.7 | 3.7 | 2.25 | 38500 | 2.19 | 0.01 | 0.2 | 23.3 | 90 |

~~~~~ See Appendix Page for comments regarding this certificate ~~~~~



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213 BENCHLANDS TERRACE  
CANMORE AB T1W 1G1

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Account: TAIEXP

CERTIFICATE OF ANALYSIS KL24236165

| Sample Description | Method<br>Analyte<br>Units<br>LOD | ME-M561          | ME-M561          | ME-M561            | ME-M561        | ME-M561           | ME-M561          | ME-M561        | ME-M561          | ME-M561          | ME-M561           | ME-M561           | ME-M561           | ME-M561          | ME-M561           | ME-M561         |
|--------------------|-----------------------------------|------------------|------------------|--------------------|----------------|-------------------|------------------|----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|
|                    |                                   | Pb<br>ppm<br>0.5 | Rb<br>ppm<br>0.1 | Ra<br>ppm<br>0.002 | S<br>%<br>0.01 | Sb<br>ppm<br>0.05 | Sc<br>ppm<br>0.1 | Sa<br>ppm<br>1 | Sm<br>ppm<br>0.2 | Sr<br>ppm<br>0.2 | Ta<br>ppm<br>0.05 | Ta<br>ppm<br>0.05 | Th<br>ppm<br>0.01 | Ti<br>%<br>0.005 | Ti<br>ppm<br>0.02 | U<br>ppm<br>0.1 |
| B461251            |                                   | 311              | 6.0              | 0.002              | 2.10           | 5.55              | 1.0              | 4              | 7.6              | 19.0             | <0.05             | <0.05             | 0.32              | <0.005           | 0.08              | 1.9             |
| B461252            |                                   | 50.9             | 3.7              | <0.002             | 0.19           | 1.07              | 0.6              | 1              | 5.7              | 69.6             | <0.05             | <0.05             | 0.24              | <0.005           | 0.05              | 3.1             |
| B461253            |                                   | 29.3             | 7.5              | <0.002             | 0.03           | 0.50              | 0.2              | <1             | 2.1              | 55.6             | <0.05             | <0.05             | 0.24              | <0.005           | 0.07              | 2.1             |
| B461254            |                                   | 15.5             | 5.3              | <0.002             | 0.05           | 0.59              | 0.5              | 3              | 3.6              | 92.0             | <0.05             | <0.05             | 0.25              | <0.005           | 0.08              | 2.0             |
| B461255            |                                   | 45.0             | 6.9              | <0.002             | 0.08           | 0.79              | 0.5              | 2              | 6.3              | 14.6             | <0.05             | <0.05             | 0.31              | <0.005           | 0.09              | 2.7             |
| B461256            |                                   | 327              | 3.7              | 0.002              | 1.07           | 0.60              | 0.5              | 1              | 10.5             | 33.5             | <0.05             | <0.05             | 0.16              | <0.005           | 0.05              | 2.2             |
| B461257            |                                   | 849              | 9.6              | <0.002             | 0.06           | 6.15              | 0.7              | 8              | 5.7              | 258              | <0.05             | <0.05             | 0.46              | 0.005            | 0.10              | 3.4             |
| B461258            |                                   | 92.9             | 8.7              | 0.003              | 1.97           | 1.51              | 0.7              | 4              | 11.7             | 81.7             | <0.05             | <0.05             | 0.52              | <0.005           | 0.10              | 2.5             |
| B461259            |                                   | 6700             | 11.6             | <0.002             | 7.52           | 13.15             | 11.6             | 8              | 311              | 9.7              | <0.05             | <0.05             | 0.42              | 0.008            | 0.27              | 0.4             |

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CERTIFICATE OF ANALYSIS KL24236165

| Sample Description | Method
Analyte
Units
LOD | ME-M561 | ME-M561 | ME-M561 | ME-M561 | ME-M561 | Zn-OC62 |
|--------------------|-----------------------------------|---------------|-----------------|-----------------|----------------|------------------|---------|
| | | V
ppm
1 | W
ppm
0.1 | Y
ppm
0.1 | Zn
ppm
2 | Zr
ppm
0.5 | Zn
% |
| B461251 | | 15 | 0.4 | 10.7 | >10000 | 2.5 | 1.280 |
| B461252 | | 15 | 0.3 | 6.3 | 457 | 1.6 | |
| B461253 | | 19 | 0.3 | 6.7 | 316 | 2.3 | |
| B461254 | | 21 | 0.5 | 7.8 | 1040 | 1.9 | |
| B461255 | | 53 | 0.5 | 7.0 | 1410 | 2.2 | |
| B461256 | | 15 | 0.3 | 5.7 | 812 | 1.2 | |
| B461257 | | 16 | 0.4 | 11.6 | >10000 | 3.0 | 2.22 |
| B461258 | | 26 | 0.7 | 12.5 | >10000 | 4.5 | 4.01 |
| B461259 | | 30 | 0.6 | 6.4 | >10000 | 2.4 | 15.95 |

~~~~~ See Appendix Page for comments regarding this certificate ~~~~~



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CERTIFICATE OF ANALYSIS KL24236165

|                    | CERTIFICATE COMMENTS                                                                                                                                      |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | <b>ANALYTICAL COMMENTS</b>                                                                                                                                |
| Applies to Method: | REEs may not be totally soluble in this method.<br>ME-MS61                                                                                                |
|                    | <b>LABORATORY ADDRESSES</b>                                                                                                                               |
| Applies to Method: | Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada.<br>CRU-31 CRU-QC DIS-REJ21 LOG-21<br>PUL-31 PUL-QC SPL-21 WEI-21<br>WSH-22 |
| Applies to Method: | Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.<br>Au-ICP21 ME-MS61 ME-OG62 Zn-OG62                                |