

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: PROSPECTING AND GEOCHEMICAL REPORT TOTAL COST: \$2555.90

AUTHOR(S): BRIAN SCOTT

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A YEAR OF WORK: 2016

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): EVENT 5615147

PROPERTY NAME: LUCKY SWITCHBACK

CLAIM NAME(S) (on which the work was done): LUCKY - TENURE 1046137

COMMODITIES SOUGHT: SILVER, LEAD, ZINC, GOLD

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 1040 001, 002, 012, 017, 033

MINING DIVISION: LIARD

NTS/BCGS: BCGS 1040 098

LATITUDE: 59 ° 59 ' 28.5 " LONGITUDE: -130 ° 27 ' 49.8 " (at centre of work)

OWNER(S):

1) BRIAN SCOTT

2) _____

MAILING ADDRESS:

BOX 77 TAGISH YT Y0B1T0

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

1) BRIAN SCOTT

2) _____

MAILING ADDRESS:

AS ABOVE

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

EARLY CRETACEOUS, CASSIAR BATHOLITH, QUARTZ CARBONATE VEIN, SERICITE - LIMONITE - CHLORITE

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: _____

AR ~~3543~~, 3844, 5095, 14165, YUKON AR 092037

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	4 FLOAT SAMPLES	LUCKY - 1046137	SEE PROSPECTING
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying	ICP - 4 ROCK SAMPLES		203.10
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)	2.4 KM TRAVERSE, CAMP COST	LUCKY - 1046137	1000.00
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail	622 KM. TRUCK, ATVs		654.30
Trench (metres)			
Underground dev. (metres)			
Other	REPORT, DRAFTING, SUPPLIES		698.50
TOTAL COST:			2555.90

2016 PROSPECTING AND GEOCHEMICAL
PROGRAM ON THE LUCKY SWITCHBACK
PROPERTY

BC MINERAL TENURES

1035679, 1035680, 1035972, 1037246, 1039444,
1039356, 1039818, 1040105, 1043738, 1043742,
1044013, 1045735, 1046136, 1046137, 1047027

LOCATED NEAR RANCHERIA BC ON NTS MAP 1040099
CENTRED AT UTM ZONE 9 – 415500E – 6650700N

LIARD MINING DIVISION

WORK PERFORMED ON Tenure 1046137 AUG. 4, 2016

OWNER AND OPERATOR: BRIAN SCOTT

AUTHOR: BRIAN SCOTT

REPORT DATE: Sept. 14 2016

BC Geological Survey
Assessment Report
36293

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The 1101 hectare Lucky Switchback property is located immediately south of the BC – Yukon border near Mile 707 of the Alaska Highway. It's comprised of fifteen BC Mineral tenures, and covers five BC Minfile occurrences. From one occurrence, Switchback (Minfile 104O 001), a total of 71.5 tonnes of ore have been shipped and averaged 519 g/t silver, 12.6% lead and 23.8% zinc. Minfile shows that a historic inferred reserve estimate of 36,287 tonnes grading 427 g/t silver, 14.95% lead and 20.78% zinc has been postulated for the Switchback deposit, but does not explain how this was derived. The author of this report was recently able to access the private company files of the now defunct United Keno Hill Mines Ltd., the last company to file assessment work on the property, in 1985. Two previously unpublished reports (“Report on a visit to the Switchback Area” – E. Buhlman P.Eng– 1982 and “Report on the Field Examination of the Switchback Silver-Lead-Zinc Deposit – D.R. Prince P.Geo – United Keno Hill Mines Ltd. – 1982) explain how the inferred reserve figure was calculated. As described in these two reports, the Switchback property could potentially support a small, high grade mining operation. As well, exploration interest in the area is currently high due to the commissioning of the new JDS Silvertip Mine in September 2016, located 15 km. southeast of the Lucky Switchback property. The other interesting occurrence on the property, Lucky (Minfile 104O 033), has returned values up to 18,260 g/t

silver, 50% lead and 1.1% copper in float from mineralized boulder trains (AR 14165 – T. Stubens – 1985), and remains an attractive exploration target. On Aug. 04, 2016 the author, assisted by Mardell Martindale, made a one day reconnaissance level prospecting trip to the Lucky Switchback property. The purpose of the trip was to assess current surface access, to locate historic trenches and drill holes, and attempt to confirm the historic high grade silver values at Lucky reported by previous workers.

LOCATION AND ACCESS

The Lucky Switchback property is located near Freer Creek immediately south of the BC – Yukon border, approximately 115 km. west of the town of Watson Lake, Yukon and 8 km south of the Alaska Highway. The Rancheria Lodge at Mile 710 Alaska Hwy. offers food, lodging, fuel and internet. Historic access to the property was via the 2 wheel drive Freer Creek Microwave Road which runs south from Mile 707 Alaska Hwy, crosses the Rancheria River, and extends 3.25 km. to a Northwestel Microwave site. A tote road at km 3 of this road heads further south, and connects to a network of old exploration trails that provide access to all the historic showings on the property (Bruno Poulin, pers. comm.). According to Mr. Poulin, who held the property for almost 25



LUCKY SWITCHBACK



Legend

Mineral Titles (MTO)

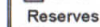
MTO Grid



Title (current)



LEASE

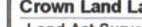


CLAIM

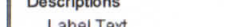
Reserves



No Registration



Conditional



Heritage/Historic Site

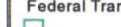
Crown Land Layers (Tantalis)

Land Act Survey Parcels - Tantalis - Legal

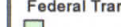
Descriptions

Label Text

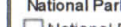
Land Act Survey Parcels - Tantalis - Outlined



Federal Transfer Lands - Outlined



Federal Transfer Lands - Colour Filled

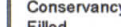


National Parks - Outlined

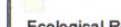


National Parks

National Parks - Colour Filled



Conservancy Areas - Tantalis - Colour Filled



Ecological Reserves - Tantalis - Colour Filled



200 km

*This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION.*

Printed using the Mineral Titles Online (MTO) application.

Center: 55°56'29", -131°42'49"

Scale: 1 : 34,667,433

SRS: EPSG:3857

UTM Zone: 9



MAP 1

years, it was possible to drive a semi truck and trailer to the Switchback showing in the early 1980's. This was how the 71.5 tonne bulk sample was hauled out in 1979 - 82. However, a major flood event had taken place in this area in June 2012 and had washed out the Alaska Highway at Canyon Creek 3 km. west of Rancheria Lodge, stranding travellers on this major route to the Yukon and Alaska for several days. Extensive damage was done to exploration roads in the area as well. For instance, the Silvertip Mine road, which leaves the Alaska Highway at Mile 701, suffered numerous washouts over its 26 km length. One of the objectives of the 2016 field program was to determine whether the two main showings, the Switchback and the Lucky, were still accessible by road. Upon arrival this summer, we discovered that the Freer Creek Microwave Road was still not usable due to the 2012 washout of the northern approach to a bailey bridge crossing the Rancheria River just several hundred meters south of the Alaska Hwy. However, an alternate route was available, using the JDS Silvertip Mine road that heads south from the Alaska Hwy. at Mile 701. At km 1 of this road, an old exploration trail along the south bank of the Rancheria River, suitable for ATV travel, extends about 8 km west to connect with the Freer Creek Road. From this point, a tote road is still passable by ATV for another 9 km. to the Lucky showing on the east branch of Freer Creek. Portions of this road are flood damaged, that is all the fine gravel has been washed away, leaving only a bed of large cobbles that makes for slow,

bumpy travel. An attempt was also made to get by ATV to the Switchback showing, however an 80 meter section of the tote road has slumped at 416590E – 6656500N just past the ford across the west branch of Freer Creek and is impassable by ATV. Walking past this spot for a further kilometer showed that, other than the slumped area, the rest of the road seems to be in usable condition, although heavily brushed in now. Several hours of cat work will be required to repair the slumped area.

TOPOGRAPHY AND CLIMATE

The Lucky Switchback property is located within the Cassiar Range Mountains, and local elevations on the property range from 1300 meters to 1750 meters. Tree cover gives way to buckbrush at about 1500 meters, with only moss and lichen groundcover at higher elevations. The continental climate in this area provides a relatively short exploration season, roughly four months from June to September, and snow can be encountered in any month of the year.

TENURE DETAILS

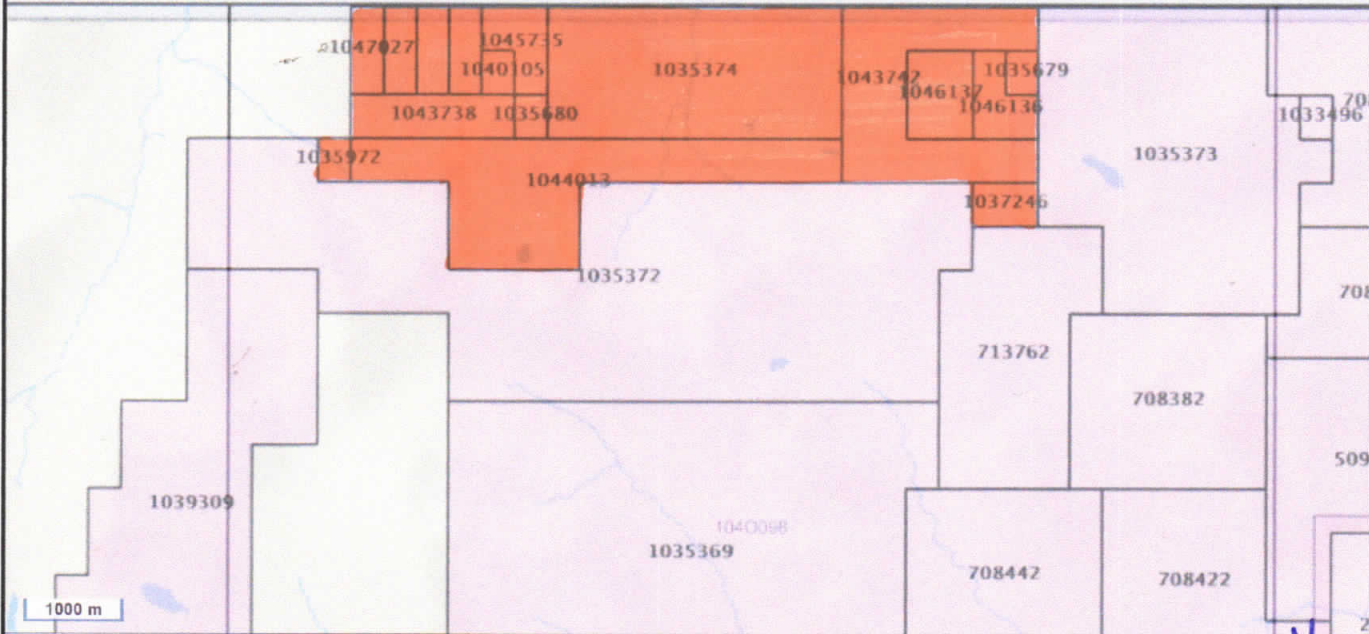
The Lucky Switchback property consists of fifteen tenures totalling 1101 hectares, as listed below. All tenures are



LUCKY SWITCHBACK TENURES



YUKON TERRITORY



- Mineral Titles**
- MTO Grid
- Title (current)
 - LEASE
 - CLAIM
- Reserves
 - No Registr
 - Conditional
 - Heritage/H
- Crown Land L**
- Land Act Surv
- Descriptions
- Label Text
- Land Act Surv Outlined
- Administrative**
- Federal Transf
- Federal Transf
- National Parks
- National Pa
- National Parks
- Conservancy / Filled
- Ecological Res Filled
- Center: 59
- Scale: 1:
- SRS: EF
- UTM Zone: 9

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Printed using the Mineral Titles Online (MTO) application.

SCALE 1:68K

MAP 2

registered in the name of Brian Scott. Expiry date of all tenures is Sept. 30, 2017 with acceptance of this report.

Tenure Number	Type	Claim Name	Good Until	Area (ha)
1035679	Mineral		20170930	16.1917
1035680	Mineral	BACKSIDE	20170930	16.1951
1035972	Mineral	BWS SILVER	20170930	16.1965
1037246	Mineral	BWS SILVER, LEAD, ZINC	20170930	32.3955
1039356	Mineral	SW	20170930	32.3848
1039444	Mineral	SW EAST	20170930	32.3846
1039818	Mineral	SW WEST	20170930	32.385
1040105	Mineral	FOR SURE	20170930	16.1933
1043738	Mineral	BACK AGAIN	20170930	80.9766
1043742	Mineral		20170930	259.0838
1044013	Mineral	LUCKY BACK	20170930	372.5529
1045735	Mineral	BRUNO P	20170930	48.5757
1046136	Mineral	MORE LUCKY	20170930	48.5791
1046137	Mineral	LUCKY	20170930	64.7709
1047027	Mineral	SWFW	20171002	32.3851

Total Area: 1101.2506 ha

HISTORY

The original Discovery vein (now known as Switchback) was found and staked by Allan Holliday of Watson Lake YT while hunting in the area in 1947. The claims were optioned in 1948 by the Yukon Ranges Exploration Syndicate who that year built a trail to the property, and mined and shipped 5 tons of ore to the Trail Smelter (returning 0.04 oz/t gold, 40.1 oz/t silver, 65.4% lead and 1.5% zinc). Mr. Bruno Poulin of Whitehorse Yukon, operating as Klondike Silver Mines Ltd. held the property from 1959 until 1988. During this time, he built roads to the various showings, blasted and trenched, and made

several shipments totalling 71.5 tons of sorted ore from the Switchback and Pit occurrences to the Trail Smelter. The property was optioned to Terra Mining in 1981, who prospected, did geophysics (VLF surveys) and drilled 3 holes on the Switchback showing and one hole on the Lucky prospect, then returned the property to Mr. Poulin. United Keno Hill Mines Ltd. then optioned the property in 1984, and did mapping, geochemical surveys (soil sampling), geophysics (VLF and magnetic surveys) and drilled 14 rotary-percussion drill holes (6 holes at Switchback totalling 280 meters and 8 holes at Lucky totaling 387 meters. No further work has been recorded on the property since 1985.

REGIONAL GEOLOGY (from Travis 2008)

The Lucky Switchback property is situated near the contact zone of the east flank of the Cassiar Batholith, which extends over 300 km from the Wolfe Lake map sheet in the Yukon southeast to the Kechika map area in British Columbia. In this region the batholith intrudes a metamorphic package of Cambrian to Silurian metasediments. These include members of the Atan and Good Hope Groups (dolomites, limestones, skarns and quartzites), which are in turn overlain by calcareous phyllite, and phyllitic limestone of the Kechika group. The upper part of the Kechika Group also includes black shales and platy

sandstones. The above sequence exhibits evidence of intense multiple deformations.

PROPERTY GEOLOGY

Lucky Zone (from Minfile)

Silver-bearing, oxidized, chlorite-clay gouge/alteration zones and quartz-carbonate veins occur in sheared, saussuritized granodiorite of the early Cretaceous Cassiar Batholith. Sulphides are generally oxidized but galena and minor sphalerite and tetrahedrite are found locally.

Switchback Zone (from Minfile)

The Discovery quartz vein occurs in sheared granodiorite or quartz monzonite of the Cretaceous Cassiar Batholith. The vein trends northeast and is paralleled by mafic dykes up to 1 metre wide. Mineralization consists of galena, sphalerite and pyrite. An alteration envelope locally up to 30 metres wide includes chlorite, sericite, kaolinite, quartz and pyrite. According to Abbott, G. (1983), mineralization is Tertiary in age. As well, the two previously unpublished reports (“Report on a visit to the Switchback Property” – E. Buhlman P.Eng 1982 and “Field Examination of the Switchback Silver-Lead-Zinc Vein Deposit” - Dennis Prince P.Geo 1982) provide additional valuable property information and are included as Appendix 4 of this report.

2016 FIELD WORK

After failing to reach the Switchback showing by ATV, the author and helper were able to access the Lucky showing on the east branch of Freer Creek by ATV, although the old cat trail has been damaged by runoff. Two trenches, presumably from the last exploration program on the property in 1985, were located, but are now sloughed in (at 418315E – 6651370N and 418090E – 6651250N). None of the drill holes from that program were conclusively located, although their general location could be surmised. A traverse was done to try to locate any of the float trains identified by previous workers that had returned high grade silver values up to 18,260 g/t. Roughly fist sized heavily oxidized nodules of massive galena in float were found in 4 locations, and were collected for analysis. Sample locations and descriptions are as follows:

SAMPLE #	LOCATION	DESCRIPTION
LK-16-R1	417982E-6651263N	oxid. coarse gr. massive galena
LK-16-R2	418007E-6651301N	oxid. fine grain massive galena
LK-16-R3	418039E-6651657N	oxid. fine grain massive galena
LK-16-R4	418160E-6651212N	oxid. fine grain massive galena

Legend

- National Parks - Outlined
- National Parks - Colour Fille
- Ecological Reserves - Tanta
- Protected Areas - Tantalís -
- Recreation Areas - Tantalís -
- Conservancy Areas - Tantal
- Mapsheet Grid (1:20,000)
- Mapsheet Grid (1:250,000)
- Land Act Primary Parcels - 1 Filled
- Contours - (1:20,000)
- FCODE
- Contour - Index
- Contour - Index Indefinite
- Contour - Index Depression

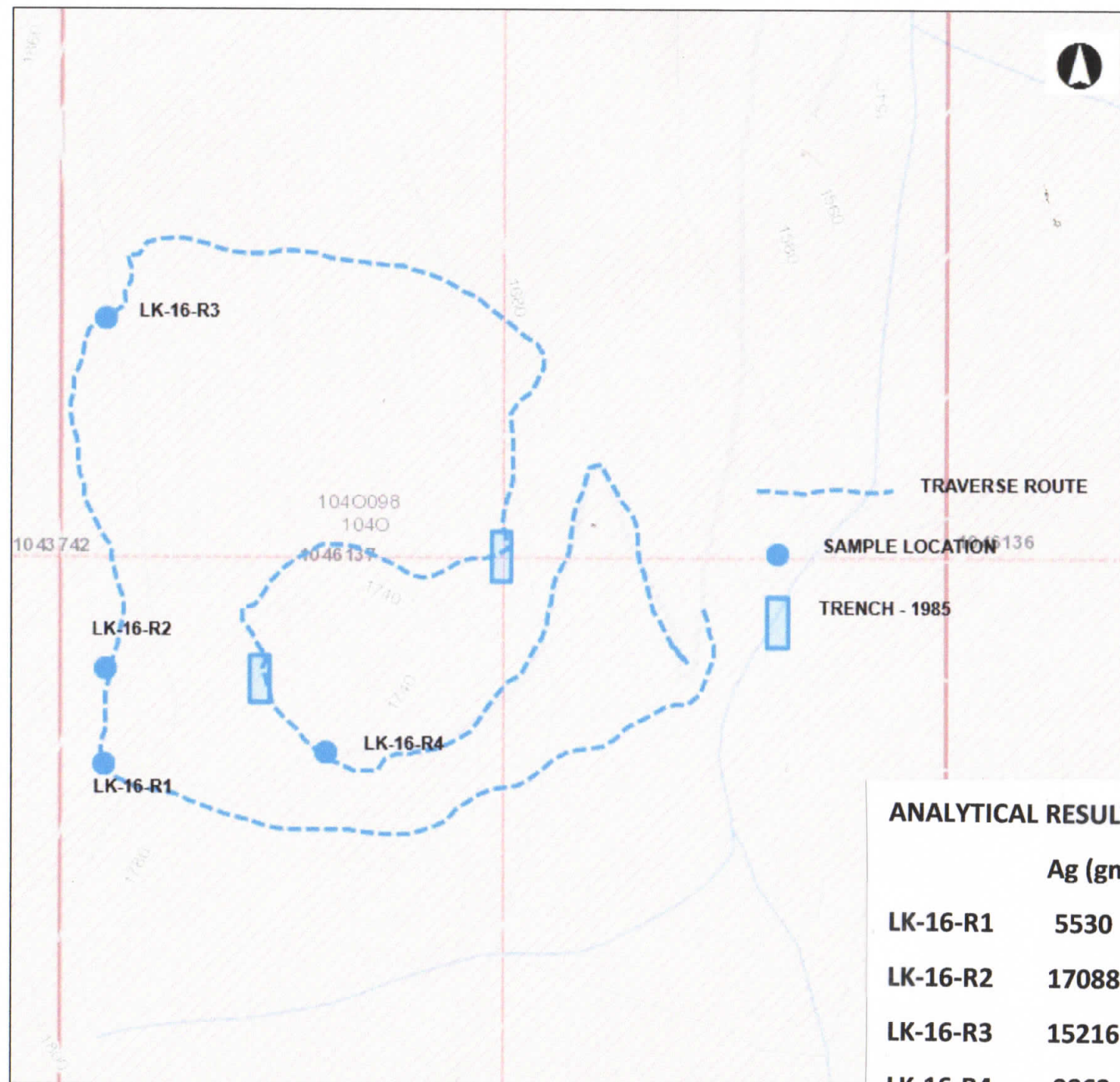
0 0.18 0.37 km



1: 9,027

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ANALYTICAL RESULTS – ROCK SAMPLES (FLOAT)

	Ag (gm/t)	Zn (ppm)	Pb (ppm)
LK-16-R1	5530	6738	>10000
LK-16-R2	17088	8416	>10000
LK-16-R3	15216	9332	>10000
LK-16-R4	9862	7970	>10000

MAP 3 - TRAVERSE ROUTE - SAMPLE LOCATION - RESULTS

RESULTS

The four float samples were submitted for multi element ICP-MS analysis with aqua regia digestion, and fire assay. Result highlights were as follows:

SAMPLE	Ag (gm/t)	Pb (ppm)	Zn (ppm)	Cu (ppm)
LK-16-R1	5530	>10000	6738	3123
LK-16-R2	17088	>10000	8416	6289
LK-16-R3	15216	>10000	9332	5730
LK-16-R4	9862	>10000	7970	4455

After analysis, the pulps from the 4 samples were retrieved from the lab, and taken to the Whitehorse office of the Yukon Geological Survey. Mr. Scott Casselman of the YGC was kind enough to “shoot” the pulps with their Nikon XRF gun, to compare the XRF readings with the actual assay results. Surprisingly, although the XRF readings for lead and zinc were fairly close to the assay results, the XRF silver values were consistently only about 30% of the actual fire assay numbers.

CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical results of the 4 float samples from the Lucky showing, the extremely high silver grades reported by previous workers has been confirmed. It would appear that the

property definitely deserves further exploration, especially in light of the recent commissioning of the JDS Silvertip Mine 15 km. to the south. Some road repairs will be needed to restore ground access to the Switchback showing.

APPENDIX 1 - STATEMENT OF EXPENSES

Fieldwork – Aug. 04, 2016

Brian Scott	1 m/day @\$450	450.00
M. Martindale	1 m/day @ \$300	300.00
Camp costs	2m/days @ \$125	250.00
Supplies (flagging, bags, batteries etc.)		23.50
Mileage – 4X4 Truck	622 km @ 0.65	404.30
2X ATV @ \$125/d		250.00
ICP Analysis	4 Rock Samples	203.10
Report and Drafting	1.5 days @\$450	675.00
	TOTAL	\$2555.90

APPENDIX 2 - STATEMENT OF QUALIFICATIONS

I have been prospecting and placer mining in British Columbia and the Yukon since 1977. I have successfully completed the following courses:

Basic Prospecting – Whitehorse YT – 1977

Advanced Prospecting – Whitehorse YT – 1987

Petrology for Prospectors – Whitehorse YT – 1994

I personally completed the fieldwork described in this report, with the able assistance of M. Martindale.

Brian Scott



Sept. 14, 2016.

APPENDIX 3 - REFERENCES

Assessment Report 3844 – White, G. – Yucol Mines – 1971

Assessment Report 5095 – Basco, D. – Yucol Mines – 1974

Yukon Assessment Report 092037 – Darch, W. – Klondike Silver
Mines Ltd. – 1981

Assessment Report 14165 – Prince, D – United Keno
Hill Mines Ltd. – 1985

APPENDIX 4

PREVIOUSLY UNPUBLISHED REPORTS

Report on a visit to the Switchback Area – E. Buhlman P.Eng
1982

Report on the Field Examination of the Switchback Silver-Lead-Zinc Deposit – D. Prince P.Geo – United Keno Hill Mines Ltd.
1982

KLONDIKE SILVER MINES LTD.

REPORT

ON A VIST TO THE SWITCHBACK

AREA ON DECEMBER 21, 1982

EDMONTON ALBERTA

E. Buhlman

CONCLUSIONS AND RECOMMENDATIONS

KLONDIKE'S 1982 WORK PROGRAM HAS OPENED UP A 1.5 M WIDE HIGH GRADE SILVER-LEAD-ZINC VEIN ON THE UPPER SWITCHBACK.

IT IS RECOMMENDED TO DRIVE AN ADIT ON VEIN FROM THE UPPER SWITCHBACK TO ESTABLISH CONTINUITY OF GRADE AND WIDTH. A 200 M ADIT SHOULD BE CONSIDERED.

AT A LATER STAGE A SECOND ADIT, C Q 40-50 METRE BELOW THE FIRST ADIT, SHOULD BE CONSIDERED. THE TWO ADITS WOULD SHOW WHETHER THE MINERALIZATION IS CONTINUOUS AND THEY COULD RESULT IN SUBSTANTIAL, PROBABLE, AND PROVEN ORE RESOURCES.

LOCATION AND ACCESS

THE SWITCHBACK AREA IS LOCATED IN THE CENTRE OF KLONDIKE'S PROPERTIES, VERY CLOSE TO THE YUKON/BRITISH COLUMBIA BORDER. THE AREA IS SITUATED 125 KM. WEST OF WATSON LAKE AND 11 KM. SOUTH OF RANCHERIA (Mile 710) ON THE ALASKA HIGHWAY. THE AREA CAN BE REACHED BY THE TRACK ALONG A NARROW ROAD IN GOOD CONDITION.

PREVIOUS WORK

WORK ON THE PROPERTY TO THE END OF 1981 IS SUMMERIZED IN THE REPORT BY W. DAICH NOVEMBER, 1981. IN 1982 CONSIDERABLE ADDITIONAL WORK WAS DONE BY THE OWNERS AND PARTNERS TO IMPROVE THE ACCESS ROAD TO THE CAMP AND SWITCHBACK AREA. THE SWITCHBACKS WERE GREATLY IMPROVED AND THE ALTERATION ZONE AT THE UPPER PART OF THE SWITCHBACK AREA WAS OPENED UP EXPOSING SIGNIFICANT HIGH GRADE LEAD ZINC MINERALIZATION.

AN ESTIMATED 4000 TONS OF HIGH BURDEN AND HARD ROCK HAS BEEN REMOVED TO OPEN UP THE VEIN AND ALTERATION AREA.

DURING 1982 SIX SHIPMENTS OF ORE TOTALING ABOUT 150 TONS WERE REMOVED FROM THAT AREA AND TRANSPORTED TO COMINCO SMELTER AREA.

MINERALIZATION

IN THE FACE OF THE OPEN CUT, A NUMBER OF MINERALIZED FRACTURES AND A MAIN ORE VEIN ARE EXPOSED.

THE ORE VEIN HAS A WIDTH OF 1.40 METRES WHERE OBSERVED IN THE FACE. IT STRIKES AT 45° (225°) MAGNETIC AND DIPS 65° WEST. THE EAST WALL, OR FOOTWALL CARRIES MASSIVE, COARSE CRYSTALLINE, BLACK SPHALERITE, ORE A WIDTH OF 0.30 METRES. THE CENTRAL PART, 0.70 METRES WIDE IS LEACHED AND VUGGY WITH CONSIDERABLE AMOUNTS OF Pbs, Zns, AND FES_2 . THE HANGING WALL OR WEST WALL, CONSISTS OF A 0.40 METRES WIDE BAND OF MASSIVE, BLUISH, FINELY CRYSTALLINE GALENA WITH MINOR SPHALERITE, PYRITE AND QUARTZ. THE WALL ROCK IS MADE UP OF GREENISH BROKEN AND FRACTURED GRANODIOSITE.

TWO NARROW MINERALIZED FRACTURES WERE OBSERVED IN THE HANGING WALL OF THE MAIN VEIN. ONE MINERALIZED FRACTURE, ABOUT 0.03 METRES WIDE CONTAINS GALENA, QUARTZ, AND LESSER SPHALERITE. IT OCCURS 2.0 METRES WEST OF THE MAIN VEIN. THE OTHER HANGING WALL FRACTURES ABOUT 5.0 METRES WEST OF THE MAIN VEIN, IS MINERALIZED OVER A WIDTH OF ABOUT 0.05 METRES, MAINLY WITH GALENA AND SPHALERITE. BOTH HANGING WALL VEINS STRIKE ROUGHLY PARALLEL TO THE MAIN VEIN (200° AND 190° MAGNETIC) AND DIP 60° AND 50° WEST.

ON THE FOOTWALL SIDE OF THE MAIN VEIN, ABOUT 4 METRES INTO THE FOOTWALL ANOTHER MINERALIZED FRACTURE OCCURS. IT CARRIES GALENA, SPALERITE, AND QUARTZ OVER A WIDTH OF ABOUT 0.10 METRES.

SOME COMMENTS ON THE TONNAGE AND GRADE POTENTIAL

ON THE UPPER SWITCHBACK KLONDIKE'S 1982 WORK HAS EXPOSED A MAIN ORE VEIN OVER A WIDTH OF 1.40 METRES. IT IS ESTIMATED THAT THE VEIN WILL ASSAY BETTER THAN THE AVERAGE GIVEN IN TABLE #1, AND THE GRADE IS HIGHLY ATTRACTIVE.

THE EXTENT OF THE ALTERATION ZONE AND THE OCCURRENCE OF MINERALIZED FLOAT ABOVE THE SWITCHBACK GIVES GOOD GEOLOGIC REASONS TO ASSUME THAT THE MINERALIZATION HAS SOME CONTINUITY.

FIG. C SHOWS A DIAGRAMMATIC LONG SECTION ALONG THE ORE VEIN IN THE SWITCHBACK AREA. IF IT IS ASSUMED THAT THE MINERALIZATION ON THE ORE VEIN IS CONTINUOUS ALONG STRIKE AND OVER A WIDTH OF 1.50 METRES, THEN ABOUT 3,000 TONS OF ORE CAN BE ASSUMED FOR EVERY BLOCK OF 25x25 METRES (LENGTH x HEIGHT) AT A 1.50 METRE WIDTH.

GIVEN THE CONTINUITY OF ORE GRADE MINERALIZATION, THE AREA COULD SUPPORT A 200-³⁰⁰200 TON PER DAY MINING OPERATION.

HOWEVER, AT THIS STAGE NO CONCRETE DATA IS AVAILABLE TO SUBSTANTIATE THE CONTINUITY OF MINERALIZATION.

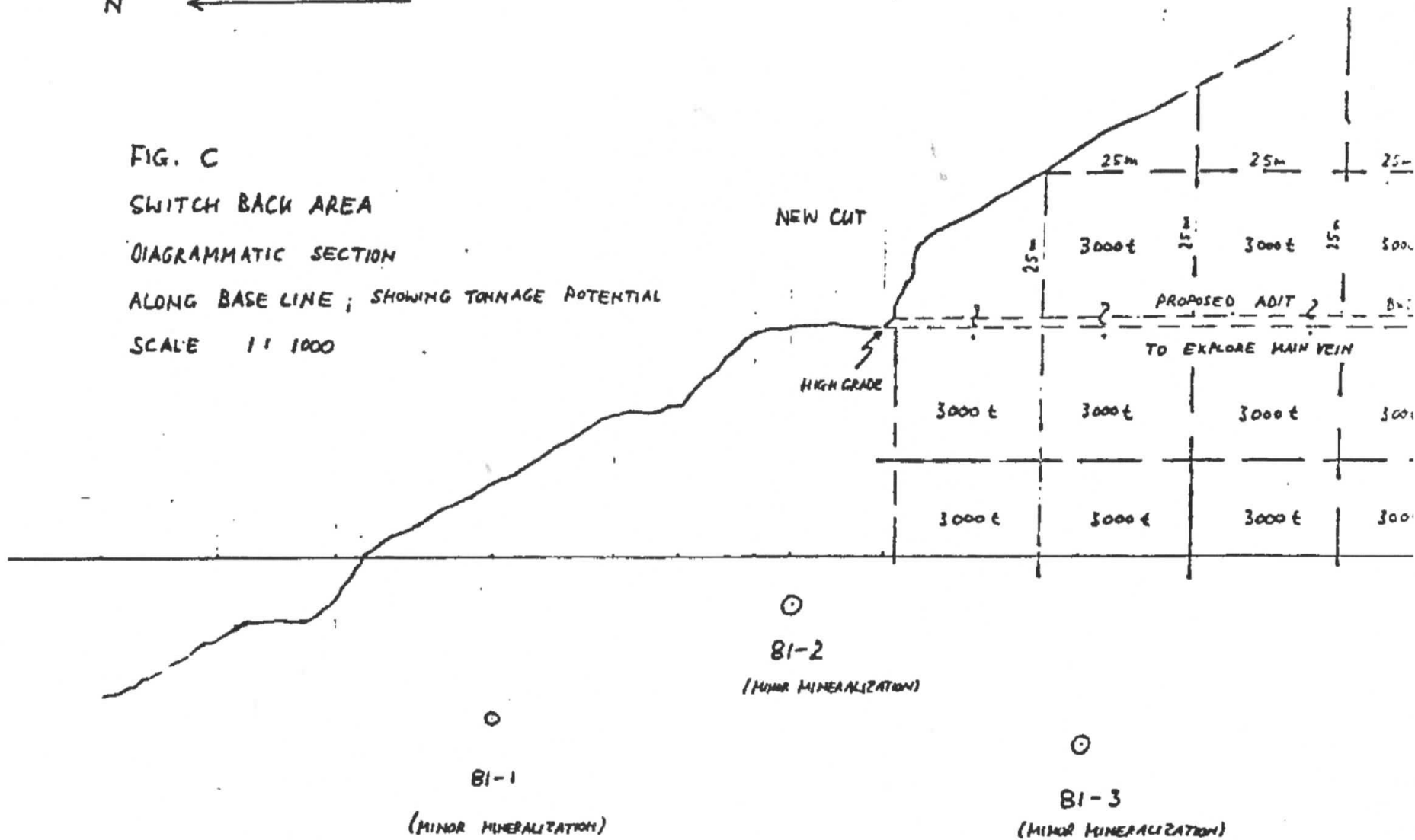
IT IS NECESSARY TO DRIFT ON THE ORE VEIN IN ORDER TO ESTABLISH ITS CONTINUITY. AS INDICATED IN FIG. C AN ADIT OF ABOUT 100 METRE LENGTH MAY AID TO AT LEAST INDICATE AN ORE RESERVE OF 30,000 TO 50,000 TONS. ADDITIONAL DRILLING AND AN ADIT ON A LOWER LEVEL WOULD THEN BE REQUIRED TO CONVERT ORE RESERVE FROM THE INDICATED TO THE PROBABLE OR PROVEN CATEGORY.

TABLE 1 : SUMMARY OF ASSAYS ON ORE SHIPMENTS, SWITCHBACK AREA

<u>YEAR</u>	<u>NO. OF SHIPMENT</u>	<u>oz Au/t</u>	<u>oz Ag/t</u>	<u>%Pb</u>	<u>%Zn</u>
1979	#1	0.038	15.55	29.10	13.90
1980	#1	0.020	13.20	16.70	17.60
1982	#4	0.012	8.55	11.30	22.20
1982	#5	0.005	5.65	7.80	29.30
1982	#6	0.025	19.35	9.90	20.90
AVERAGE		0.020	12.46	14.95	20.78

N ←

FIG. C
SWITCH BACK AREA
DIAGRAMMATIC SECTION
ALONG BASE LINE ; SHOWING TONNAGE POTENTIAL
SCALE 1 : 1000



UNITED KENO HILL MINES LIMITED

REPORT ON THE FIELD EXAMINATION OF THE
SWITCHBACK SILVER-LEAD-ZINC VEIN DEPOSIT
KLONDIKE SILVER MINES
RANCHERIA, YUKON-BRITISH COLUMBIA BORDER

NTS 104 0/15 and 105 B/2

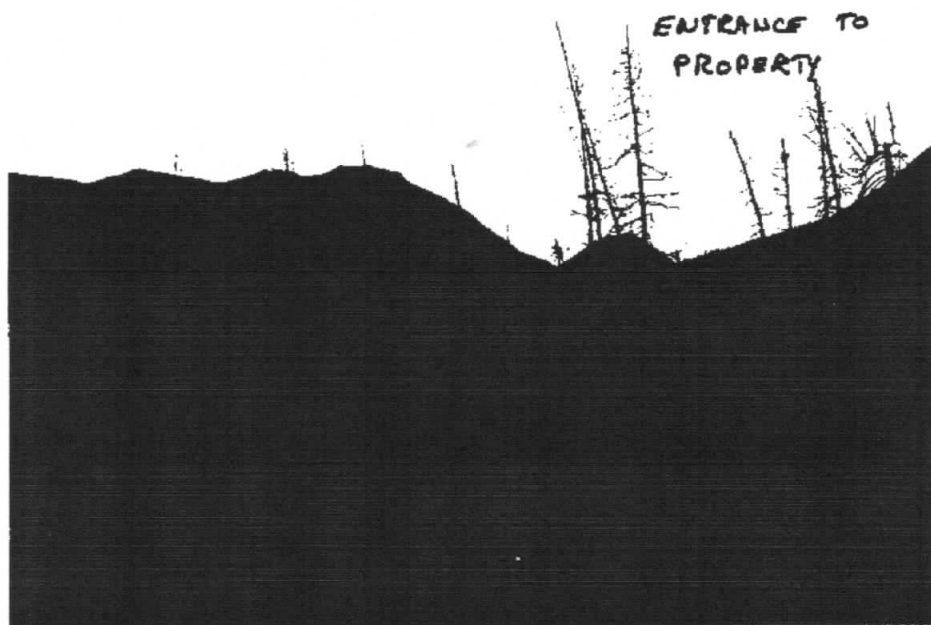
Report by: D.R. Prince
Date: December 31, 1982

INTRODUCTION

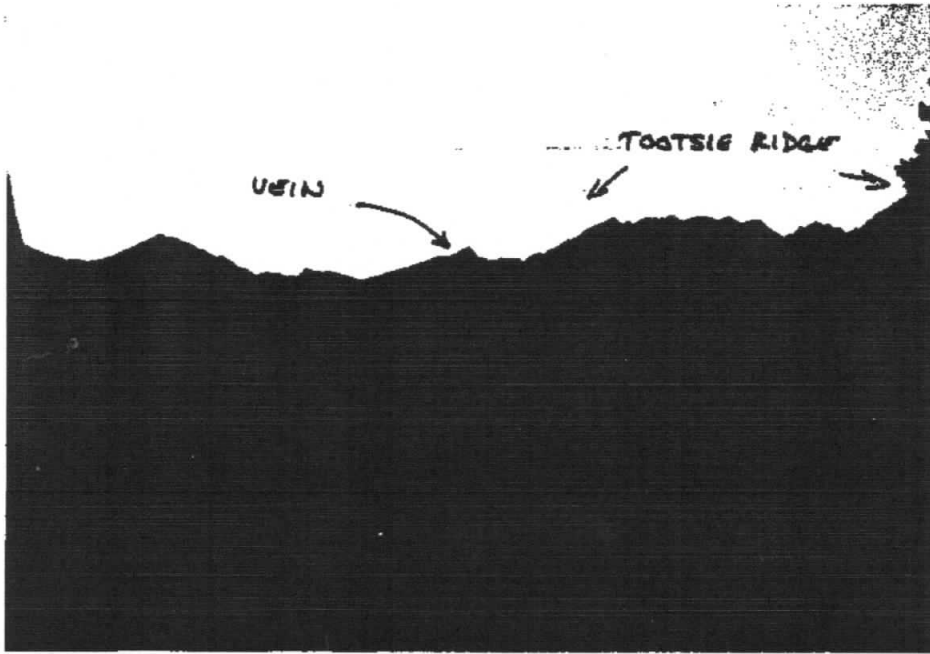
On December 23, 1982 I visited the Switchback Vein owned by Klondike Silver Mines. I was accompanied by Bruno Poulin, one of the principals of that company. The property is located about four hours drive from Whitehorse south along the Alaska Highway to Rancheria. From the highway to the workings it is a twenty minute four wheel drive ride which involves crossing two bridges. The access road had been plowed out by Poulin and his partner Bill Gorgichuk the week before and as a result there were no access problems. The snow cover was moderate in the area so only outcrops on vertical faces could be examined. A point to note is that the adjoining Regional Resources Midway deposit has a portion of this road as its access route.

GENERAL

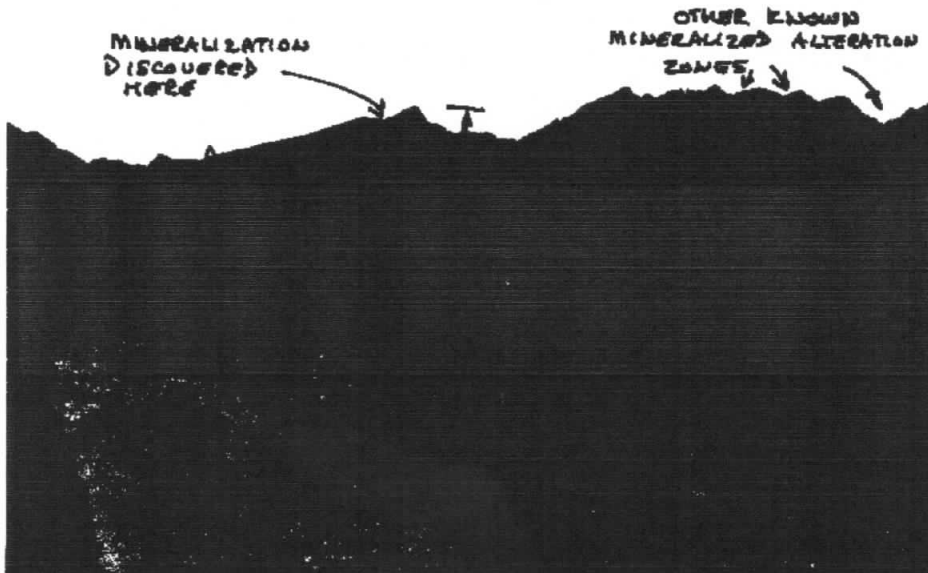
The vein is located within the Cassiar Batholith on Tootsie Ridge some eight kilometers south of the highway.



The trace of the host alteration zone is visible from afar as a discrete -60° west dipping band commencing at the horizon and running into the west



branch of the Freer Creek valley. Several other known mineralized alteration zones are visible to the west of the Switchback and other potential zones could be identified in the distance. The B.C.-Yukon border runs obliquely across the trace of the alteration zone at the foot of a spur within Tootsie Ridge.



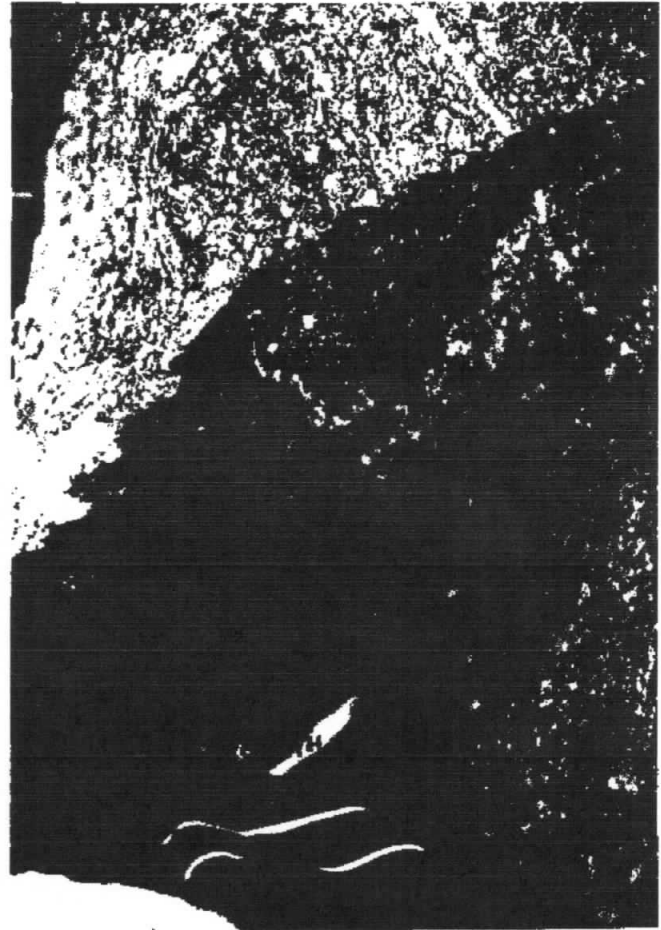
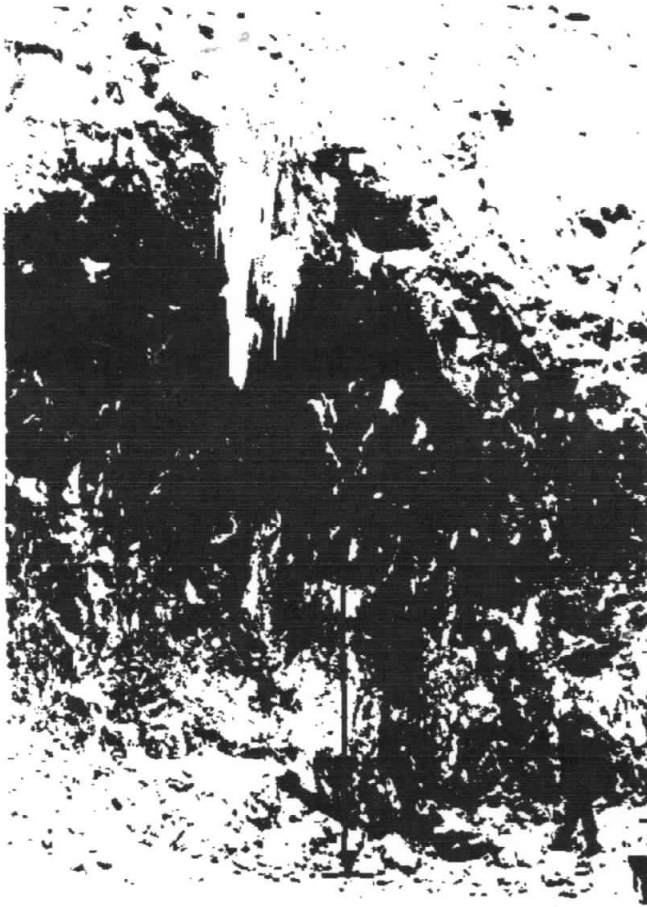
Klondike Silver Mines has a camp set up on the road to the workings in the valley. The equipment at the camp includes two Cats, a loader, several trucks, several compressors and generators, fuel tanks, mine cars, rail, pipe, and numerous other small items. The buildings include a trailer-bunk-house with an addition as well as a regulation powder magazine. Communication is via CN radiotelephone. A bulldozed road network leads to most of the known showings on the property.



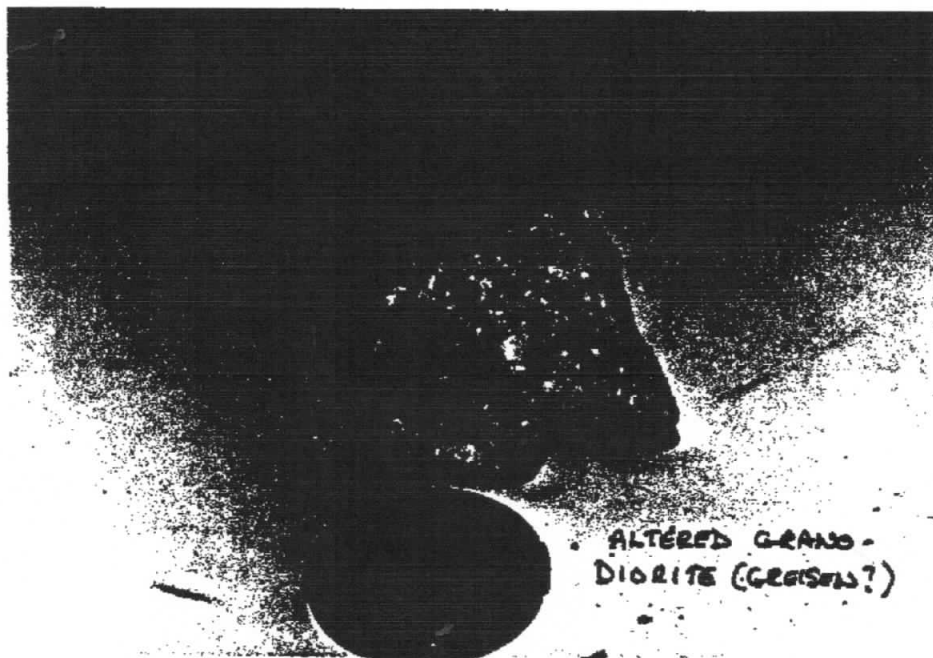
SWTICHBACK VEIN

The Switchback vein (so named because of the switchbacks necessary on the access road to its lower extremity) occurs within an alteration zone at least 10 meters in true thickness. It is bounded on either side by unaltered grey-pink megacrystic granodiorite containing thin aplite and pegmatite veins. Although the eastern contact was not visible due to snow the western contact was seen to be relatively sharp and marked by a fracture plane. The distance between the workings and the farthest visible extent of the alteration zone on the horizon is about 450 meters horizontally and 300 meters vertically. Outcrop exposure along the trace of the alteration

zone on the slope of the mountain is mostly rubble obscured.

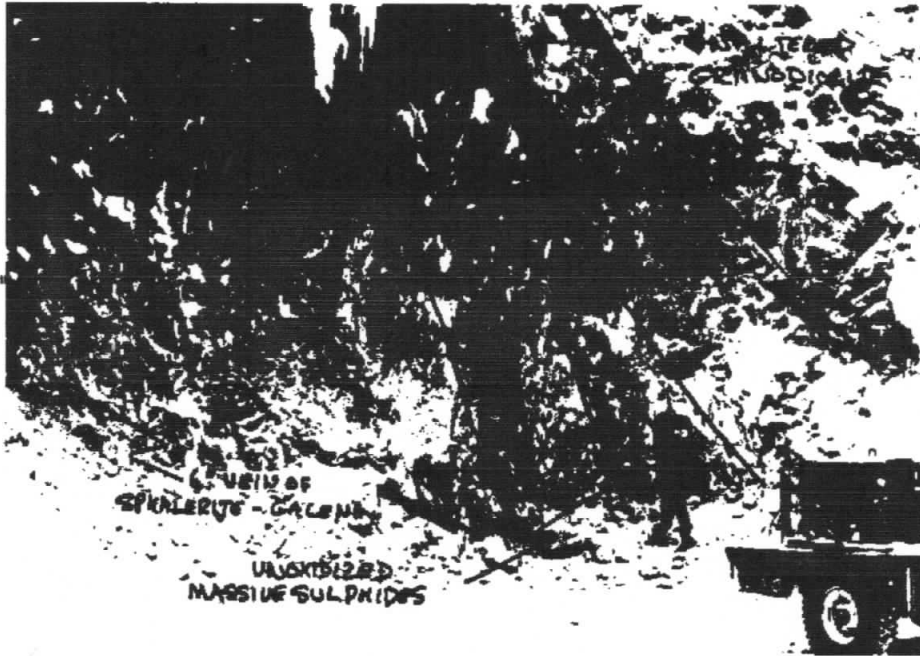


The alteration zone is composed of a heavily altered, somewhat friable, greenish pink granodiorite. Muscovite and chlorite are obvious constituents and it is very likely that much of the feldspars are now altered to clay minerals. Minor to 10% disseminated galena and sphalerite mineralization was seen.

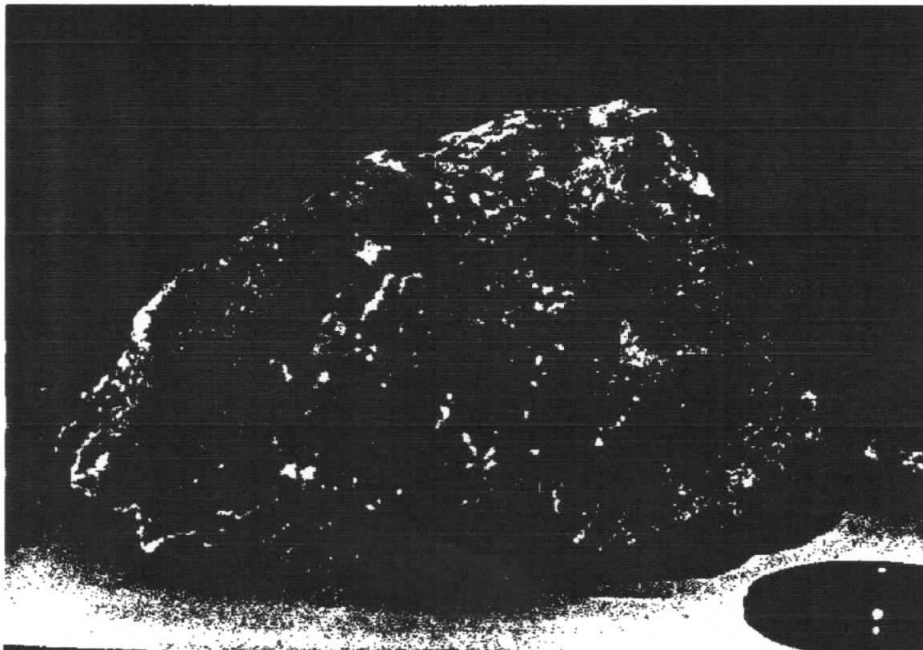


The workings themselves consist of a cut into the steep face at the bottom of the mountain. The work has exposed a vertical face of 10 meters height by about 35 meters width. At the base of the workings the advance has been about 10 meters into the hill. No outcrop was visible on the floor.

The mineralization occurs within a vein averaging approximately 3 meters in true thickness paralleling the dip of the alteration zone. From near the surface to about 8 meters from the top of the face the sulphides have been extensively oxidized. There is considerable iron and manganese staining near the top of the face: it decreases with depth. Although this could not be examined during the visit it appears likely that there has been significant leaching of the ore near surface. Closer to the bottom of the face the galena and sphalerite are intermixed with white friable minerals; probably

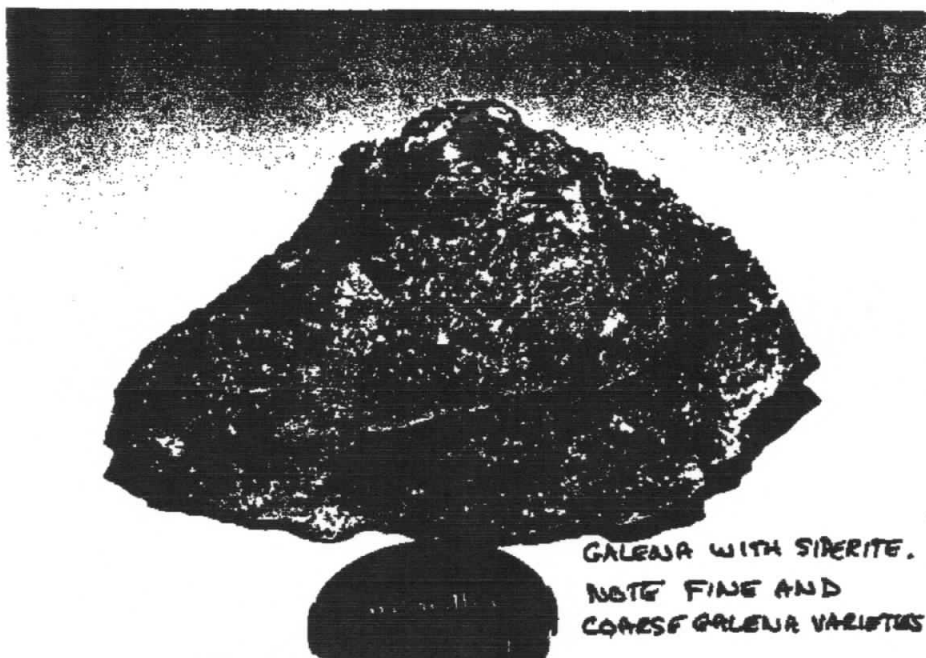


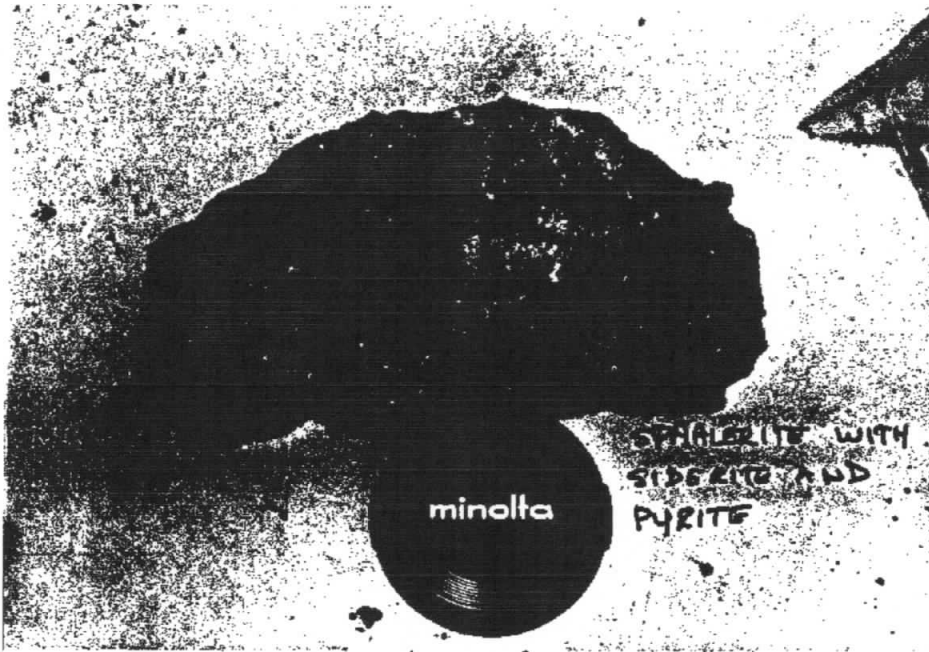
cerrusite and smithsonite. Relict galena crystals are visible in hand specimens of the white material. Totally unaltered sulphides were not seen but are likely at very shallow depths below the bottom of the face. This obser-

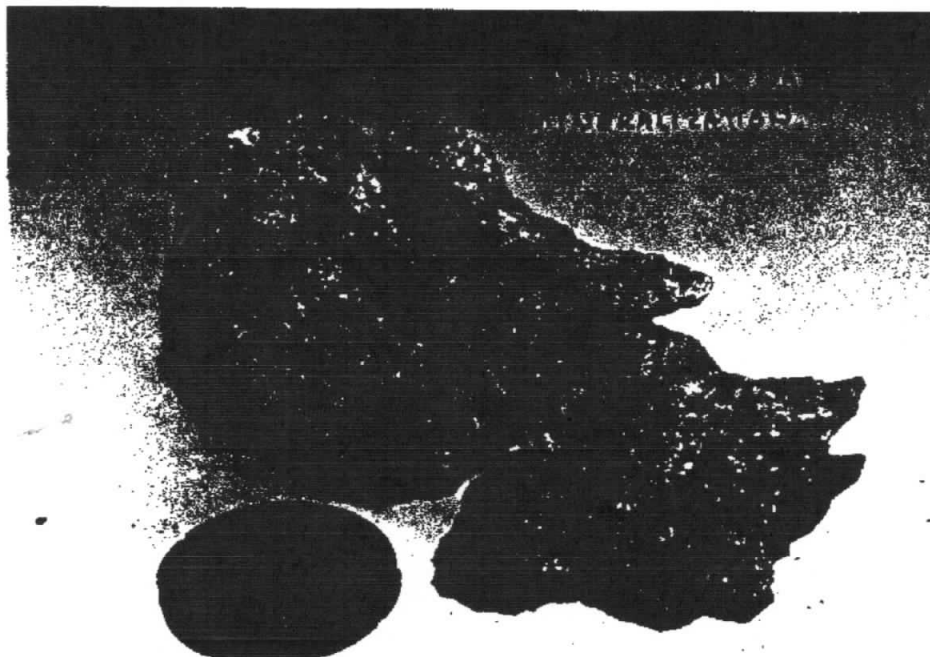


vation gives some truth to Poulins statement that the grade of the mineralization has increased with depth and that the best material was taken from the last and deepest portion of the vein mined. The nature of this alteration cap could produce unrealistic and unreliable results during exploration.

At the bottom of the face the vein splits in two and the two arms are separated by a block altered granodiorite. The eastern arm is very heavily altered with only minor relict sulphides whereas the western arm contains massive sulphides with only minor alteration. The western arm is approximately 1.25 meters in true thickness and consists of 40-50% massive galena and sphalerite in a ratio of about 1:1. The rest of the vein is siderite and white quartz with less than 10% white alteration products. Pyrite is uncommon in the vein and constitutes less than 2%. The vein exhibits a strong banded nature and the sphalerite and galena appear partially restricted to their individual bands which vary from 15 to 30 centimeters in thickness. The galena ranges from very fine grained to coarse grained lustrous crystalline masses whereas the sphalerite typically occurs as very large coarse crystal aggregates.







A similar vein occurs east of the main vein within the alteration zone approximately 7 meters away. It is only 15 centimeters wide but has similar mineralogy. Samples of the sulphides phases from each vein have been collected and will be sent for assay.

The structure and three dimensional aspect of the vein cannot be deduced from this single exposure. It is known, however, that the three holes drilled from below and north of the workings did not intersect significant mineralization although a wide weakly mineralized and heavily oxidized alteration zone was intersected in all three. If the results of these holes are not masked by secondary leaching then the vein must pinch out at depth and have a plunge of -45° or shallower to the south. There is no exposure on the surface upslope from the workings so the updip extent of the vein is also unknown. Poulin states that as they proceeded into the slope at the present level of the floor the vein expanded from a very thin vein (less than 15 centimeters) to its presently visible width very dramatically.

CONCLUSIONS

The field visit has confirmed the veracity of the Terra 1981 report and of Poulin's claims about the Switchback deposit. The vein exposure is of acceptable mining width and attitude although the competency of the alteration host rocks may present some problems in an underground operation. The raw value of the mineralization, in spite of a lower Ag:Pb ratio, is likely equivalent to that in the Elsa deposits.

SPECULATION

One of the largest unknowns about this vein is the available tonnage. There is certainly no lack of room to extend the deposit into the hill. If one assumes, in a best case example, that the vein continues within the known alteration zone at a 1.25 meter thickness horizontally to a point below the mineralization discovered at the top of the mountain then the tonnage available would be in the order of 400,000-500,000 tonnes. Grades would likely run in the range of 10-20 oz/tonne Ag, 10-30% Pb, and 10-30% Zn . See diagram attached.

This is probably a gross overestimate. If one assumes a poddy ore shoot nature to the mineralization then the tonnage would have to be reduced significantly. It may not be inconceivable that several long ore shoots may exist within the upper part of the mountain resulting in 50,000 tonnes of similar grade material, a good portion of which may possibly be mined by open pit methods.

The potential for more tonnage on the rest of the property is high. Similar such silver values exist on other known veins in the area and values ten to twenty times those of the Switchback are reported from the Lucky prospect.

RECOMMENDATIONS

Having visited the property I now feel that it does indeed have considerable promise and is worth cash payments for acquisition of all 287 claims. I would recommend offering Poulin et al. an initial payment of \$40,000: they

will ask for more but may settle for something in the \$40,000-60,000 range. Escalating payments in a standard 10% net proceeds contract would be included in our offer. They have obviously invested heavily in development of this property, albeit through seat of the pants efforts. Poulin claims that, between he and his partners, they have invested \$2,000,000 on the property (Terra expended 1/4 million dollars on the ground in the first year.) Considering the equipment, time and effort put into exploration and mining this figure may not be too much of an exaggeration. The partners had initially been daydreaming about initial payments in the order of \$500,000 but have since come down to earth and would probably be willing to settle for enough in the beginning to keep the bank off their backs.

As an aside it may be pertinent to note some of the background of the partners. Poulin has only a passing knowledge of mining (and exploration.) He was once engaged to repair a mill in the N.W.T. He is originally from Quebec and has a Grade 5 education. He is a believer in "dowsing" (and faith healing) and claims to have found his veins in this manner. Gorgichuk is a reluctant convert to dowsing. His background is in trucking but since their operation has started both have gained a superficial mining cognizance.

Both Poulin and Gorgichuk would like to see production from the property and a way to reduce cash payments may be to offer to use their services (with provisos) in terms of cat work, use of the camp, etc. in exploration on the property. They would like to find a way to continue to mine the Switch-back themselves but this is obviously uneconomic in the manner that they are employing i.e. trucking raw ore to Trail. Given their current economic squeeze we may be able to come to an equitable deal.

As to competition for the property, the only known competitors may be Eckhard Buhlmann and A.A. Harter who are formerly with Terra. They are reportedly trying to raise money to form a new company with the intent of optioning Klondike's property. Buhlmann visited the property three days prior to my visit.

EXPLORATION PROPOSAL

Two problems are evident in exploration on the property: one is location of other alteration zones and associated veins on surface and the other is evaluation of known and newly discovered veins for tonnage in the third dimension.

In the case of exploration for other veins the process would center around a combination of prospecting, mapping, geochemistry, geophysics, and trenching. The costs for this stage would be relatively low but once veins are discovered the amounts would escalate by the expenditure of drilling and /or underground exploration money.

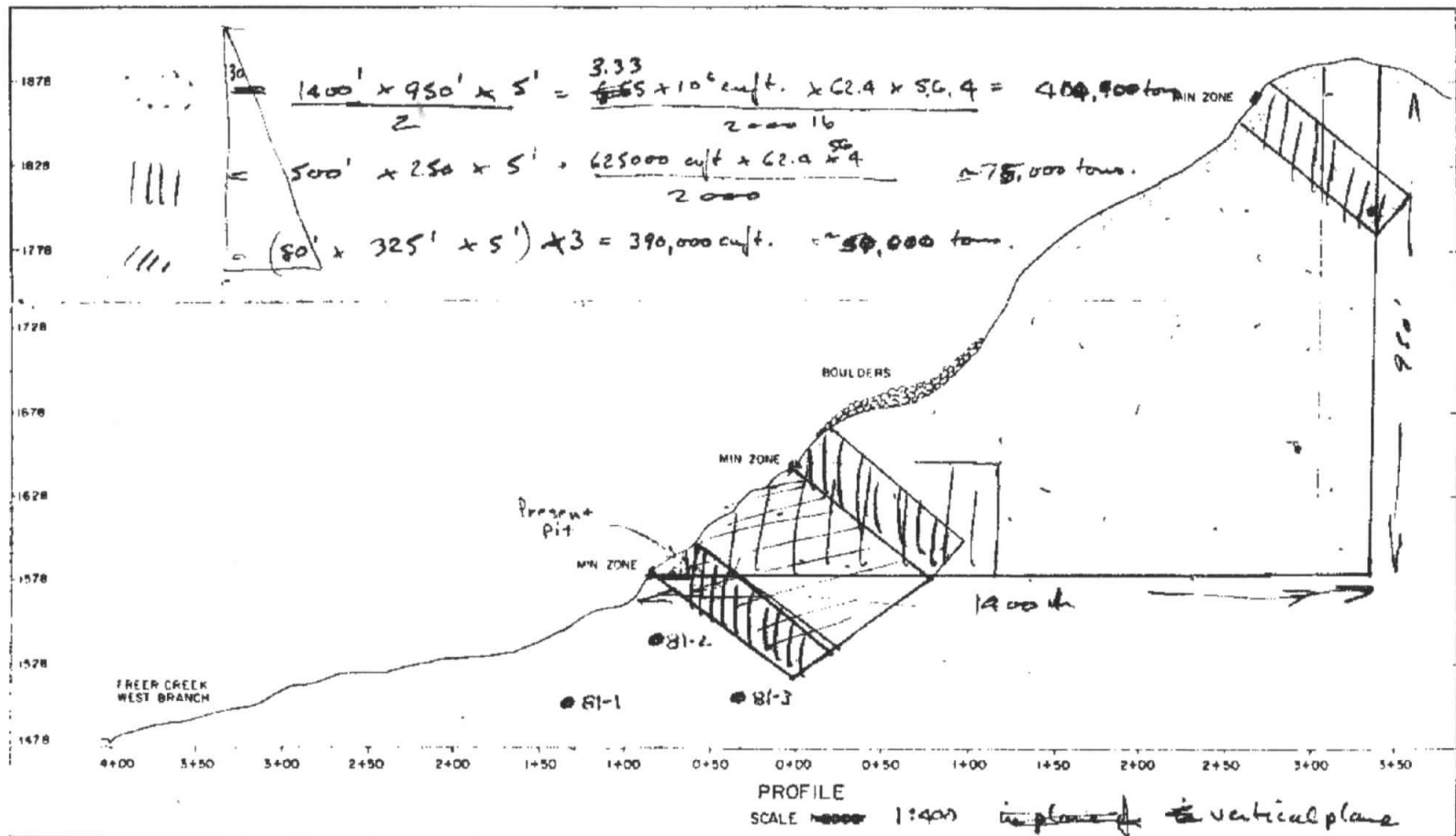
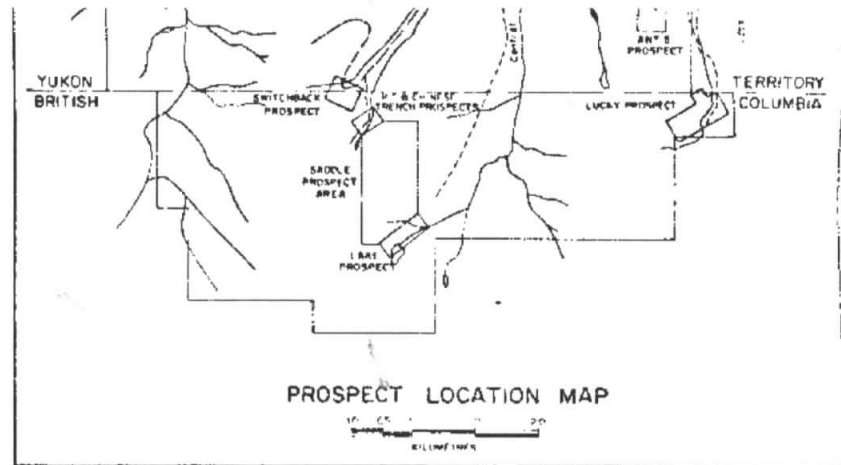
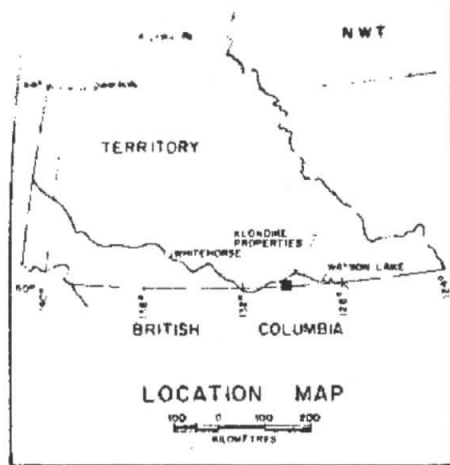
In the case of the Switchback deposit, drilling would be required to follow the vein and outline its size. Grade determinations from drilling would be subject to future bulk sampling corrections. Due to the steep terrain and geometry close examination of the cost effectiveness of surface drilling vs. underground exploration should be done prior to planning this part of a program.

The program in the first year would be designed to provide an overall examination of the property and to put priorities on various areas for further work. Neither Terra nor anyone else has covered the whole claim area on a systematic basis. This should be done to provide a foundation for continued work. A budget proposal for the first year's program is outlined in the appendix. It would be in the vicinity of \$215,000 including the first option payment.

Appendix B

BUDGET PROPOSAL

100	General Expenses (Salaries, etc.)	\$ 71,000
150	Property Acquisition (Option payment)	60,000
250	Geological	2,000
300	Geochemical	11,500
350	Geophysical	3,300
450	Assaying	6,500
500	Trenching and Stripping	28,000
650	Camp Operation	10,700
700	Access Roads	11,000
750	Aircraft	2,500
800	Vehicles	7,500
850	Environmental	1,000
	<u>TOTAL</u>	\$215,000



APPENDIX 5 – ANALYTICAL RESULTS



BUREAU VERITAS MINERAL LABORATORIES
Canada

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PHONE (604) 253-3158

Client: **Brian Scott**
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Tagish Yukon Y0B 1T0 Canada

Submitted By: Brian Scott
Receiving Lab: Canada-Whitehorse
Received: August 31, 2016
Report Date: September 19, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000231.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
PICKUP-RJT Client to Pickup Rejects

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	4	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA530	4	Lead collection fire assay fusion - gravimetric finish	30	Completed	VAN
AQ201	4	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	4	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Brian Scott
Box 77
Tagish Yukon Y0B 1T0
Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.

*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Brian Scott**
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Tagish Yukon Y0B 1T0 Canada

Project: None Given
Report Date: September 19, 2016

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000231.1

Method	Analyte	WGHT	FA530	FA530	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	
Unit		kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.01	20	0.9	0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	
LK16-R1	Rock	0.74	5530	<0.9	<0.1	3123.6	>10000	6738	>100	0.3	0.5	507	0.32	147.8	8.7	0.2	43	29.9	>2000	1.5	<2	
LK16-R2	Rock	1.20	17088	<0.9	0.1	6289.8	>10000	8416	>100	0.2	0.8	394	0.43	321.1	32.6	0.4	16	38.0	>2000	7.6	<2	
LK16-R3	Rock	0.64	15216	<0.9	<0.1	5730.3	>10000	9332	>100	0.2	0.8	138	0.38	332.9	12.7	0.4	10	40.8	>2000	8.5	<2	
LK16-R4	Rock	1.57	9862	<0.9	<0.1	4455.6	>10000	7970	>100	0.3	0.6	186	0.35	222.5	8.7	0.4	7	34.7	>2000	8.4	<2	



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Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI16000231.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
LK16-R1	Rock	<0.01	<0.001	<1	<1	<0.01	16	<0.001	1	0.02	<0.001	0.02	<0.1	0.12	<0.1	<0.1	>10	<1	0.9	<0.2
LK16-R2	Rock	<0.01	<0.001	1	1	<0.01	16	<0.001	2	0.04	<0.001	0.02	<0.1	0.20	0.1	0.1	9.66	<1	0.7	<0.2
LK16-R3	Rock	<0.01	<0.001	<1	<1	<0.01	4	<0.001	1	0.04	<0.001	0.03	<0.1	0.19	0.1	0.2	>10	<1	0.8	<0.2
LK16-R4	Rock	<0.01	<0.001	<1	1	<0.01	13	<0.001	2	0.04	<0.001	0.03	<0.1	0.10	0.1	0.1	>10	<1	0.7	<0.2



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Project: None Given
Report Date: September 19, 2016

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI16000231.1

Method	WGHT	FA530	FA530	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V		
Unit	kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm		
MDL	0.01	20	0.9	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	
Pulp Duplicates																						
LK16-R4	Rock	1.57	9862	<0.9	<0.1	4455.6	>10000	7970	>100	0.3	0.6	186	0.35	222.5	8.7	0.4	7	34.7	>2000	8.4	<2	
REP LK16-R4	QC		9796	<0.9	0.1	4339.8	>10000	7972	>100	0.4	0.6	185	0.34	220.4	9.1	0.4	7	35.2	>2000	8.4	<2	
Reference Materials																						
STD AGPROOF	Standard		97	<0.9																		
STD DS10	Standard				14.6	153.4	161.5	365	2.1	73.5	12.4	893	2.80	45.8	121.7	7.4	67	2.6	8.6	12.3	41	
STD OXC129	Standard				1.2	24.0	17.5	37	0.5	73.9	19.2	402	3.00	0.5	185.5	1.8	189	<0.1	0.6	<0.1	44	
STD SP49	Standard		62	18.4																		
STD SQ70	Standard		159	39.9																		
STD AGPROOF Expected			94	0																		
STD SP49 Expected			60.2	18.34																		
STD SQ70 Expected			159.5	39.62																		
STD DS10 Expected					15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	
STD OXC129 Expected					1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	
BLK	Blank		<20	<0.9																		
BLK	Blank				<0.1	1.0	3.3	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	0.7	<0.1	<2	
Prep Wash																						
ROCK-WHI	Prep Blank		<20	<0.9	0.9	3.9	3.5	29	<0.1	0.9	3.5	423	1.76	2.1	<0.5	2.2	22	<0.1	<0.1	<0.1	22	



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Project: None Given
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Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI16000231.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2		
Pulp Duplicates																				
LK16-R4	Rock	<0.01	<0.001	<1	1	<0.01	13	<0.001	2	0.04	<0.001	0.03	<0.1	0.10	0.1	0.1	>10	<1	0.7	<0.2
REP LK16-R4	QC	<0.01	<0.001	<1	1	<0.01	13	<0.001	2	0.04	<0.001	0.03	<0.1	0.09	0.1	0.1	>10	<1	0.7	<0.2
Reference Materials																				
STD AGPROOF	Standard																			
STD DS10	Standard	1.08	0.081	17	54	0.79	351	0.075	7	1.05	0.067	0.33	3.5	0.29	2.9	5.2	0.27	5	2.2	5.1
STD OXC129	Standard	0.59	0.095	12	47	1.38	46	0.361	1	1.38	0.548	0.33	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD SP49	Standard																			
STD SQ70	Standard																			
STD AGPROOF Expected																				
STD SP49 Expected																				
STD SQ70 Expected																				
STD DS10 Expected		1.0625	0.0765	17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01
STD OXC129 Expected		0.665	0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank																			
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																				
ROCK-WHI	Prep Blank	0.61	0.040	5	4	0.39	58	0.078	1	0.87	0.065	0.07	0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2