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PROSPECTING FILE NO:

ASSESSMENT REPORT
ON THE 1
BLACK BIRD CLAIMS
FOR: MR. G. POLISCHUK

LILLOOET MINING DIVISION

N.T.S. 92J 16E
LAT. 50 77' N LONG. 122 21' W
45' 30" 14'

T.K.

BY: J. MILLER-TAIT, B.SC, P.GEO
NOVEMBER, 1992

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,689

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SUMMARY AND CONCLUSIONS:

THE BLACKBIRD 1 AND 2 CLAIMS ARE 100% OWNED BY GARY POLISCHUK AND ARE LOCATED IN THE BRIDGE RIVER DISTRICT OF THE LILLOOET MINING DIVISION. THE PROPERTY CONSISTS OF TWO 18 METRIC UNITS CLAIMS TOTALING 36 UNITS.

THE BLACKBIRD PROPERTY IS LOCATED APPROXIMATELY 50 KILOMETERS WEST OF LILLOOET, B.C.. IT HAS EXCELLENT ACCESS BY USE OF THE PUBLICLY MAINTAINED ROADS OVER MISSION MOUNTAIN AS WELL AS A B.C. HYDRO ACCESS ROAD.

THE PROPERTY USED TO BE KNOWN AS THE MATSON PROPERTY IN THE PAST. IT CONTAINS AN ADIT AND A SHORT DRIFT ON A WELL MINERALIZED SHEAR CONTAINING MASSIVE SULFIDES CARRYING ANOMALOUS VALUES IN GOLD, SILVER, COPPER, LEAD, AND ZINC. THERE ARE ALSO SEVERAL QUARTZ VEINS ON THE PROPERTY CARRYING ANOMALOUS VALUES IN GOLD AND SILVER.

IN JANUARY OF 1992 GARY POLISCHUK STAKED THE BLACK BIRD CLAIMS AND OVER THE YEAR PROSPECTED THEM IN DETAIL. HE DISCOVERED SEVERAL ANOMALIES BY HAND TRENCHING AND SOIL SAMPLING.

THIS REPORT IS TO DOCUMENT THE WORK OF GARY POLISCHUK IN 1992. THE AUTHOR VISITED AND SAMPLED THE PROPERTY SEVERAL TIMES DURING THE YEAR AND HAS RESEARCHED THE GEOLOGY OF THE AREA FOR SEVERAL YEARS.

RECOMMENDATIONS AND COST ESTIMATES:

THE COPPER ANOMALY LOCATED IN THE SOUTHWESTERN PORTION OF THE PREVIOUS WORKERS REQUIRES PROSPECTING. IN THE BRIDGE RIVER DISTRICT ALONG WITH THE BLACKBIRD PROPERTY; DETAILED SOIL SAMPLING AND TRENCHING HAVE PROVEN TO BE THE MOST EFFICIENT METHOD OF FINDING ECONOMIC DEPOSITS. THEREFORE, THE AUTHOR RECOMMENDS THE SOIL SAMPLING OF THE WESTERN EDGE OF THE CLAIMS DOWN TOWARDS CARPENTER LAKE AS THE MOST LOGICAL WAY TO CONTINUE EXPLORATION ON THE PROPERTY. THE GRID SHOULD CONSIST OF AN EXTENSION OF THE PREVIOUS WORKERS GRID.

A ROAD SHOULD BE CONSTRUCTED AND DESIGNED TO COVER THE AREA OF THE 1992 TRENCHING AND THE PREVIOUS WORKERS TRENCHES, AS WELL AS CONTINUE DOWN THE SLOPE TO PROVIDE ACCESS FOR A DRILL PROGRAM IN THE AREA OF THE KNOWN ADIT. THIS ROAD WOULD BE APPROXIMATELY 1.5 KMS. IN LENGTH.

PHASE 1: THE FIRST PHASE IS TO EXTEND THE ESTABLISHED GRID:
\$13,000.00

PHASE 2: COMPLETE ROAD ACCESS AND SAMPLE ROAD CUTS:
\$12,000.00

PHASE 3: 2,000 FEET OF NQ SIZE DIAMOND DRILLING INCLUDING SUPERVISION AND SAMPLE ANALYSES:
\$40,000.00

TOTAL COST OF RECOMMENDED PROGRAMS: \$65,000.00

INTRODUCTION:

DURING JANUARY OF 1992, GARY POLISCHUK OF LILLOOET, B.C. STAKED THE BLACKBIRD 1 AND 2 CLAIMS. THE CLAIMS COVER AN AREA WHICH HAVE BEEN SUCCESSFULLY PROSPECTED AND SAMPLED IN THE PAST. THIS PREVIOUS WORK IS COVERED UNDER PROPERTY HISTORY. GARY CONTINUED THE PROSPECTING OF THE AREA FROM MARCH TO AUGUST OF 1992. HE GRASPED AN EXCELLENT KNOWLEDGE OF THE PROPERTY'S GEOLOGY AND DISCOVERED SEVERAL ANOMOLOUS AREAS BY HAND TRENCHING AND SOIL SAMPLING. THIS REPORT IS WRITTEN TO DOCUMENT GARY POLISCHUK'S WORK OF 1992.

LOCATION. ACCESS

THE BLACK BIRD CLAIMS ARE LOCATED APPROXIMATELY 45 KM WEST OF LILLOOET AND APPROXIMATELY 20 KM NORTHEAST OF THE COMMUNITY OF SETON PORTAGE. LILLOOET IS 150 KM NORTH OF HOPE ALONG THE FRASER RIVER, WHILE SETON PORTAGE IS 130 KM EAST OF PEMBERTON BETWEEN ANDERSON AND SETON LAKES. THE CLAIM AREA IS SITUATED ON THE STEEP SLOPES OF MISSION MOUNTAIN, WHICH SEPARATES THE BRIDGE RIVER AND SETON LAKE VALLEYS. THE NTS MAP SHEET COVERING THE AREA IS 92J 16.

ACCESS TO THE PROPERTY IS OBTAINED BY EITHER OF TWO WAYS. FROM LILLOOET FOLLOW THE BRIDGE RIVER ROAD APPROXIMATELY 40 KM TO HYDRO'S CARPENTER LAKE DAM, AND PROCEED ALONG THE SOUTH SHORE OF THE LAKE UNTIL THE ROAD TURNS SOUTH AND CLIMBS TO THE SUMMIT OF MISSION PASS. AT THE SUMMIT A BC HYDRO ACCESS ROAD TURNS EAST, THIS ROAD PROVIDES ACCESS TO THE PROPERTY.

AN ALTERNATE ROUTE PROVIDES QUICKER ACCESS FROM VANCOUVER. FROM PEMBERTON PROCEED EAST ALONG HIGHWAY 99 FOR 80 KM TO THE COMMUNITY OF D'ARCY. FROM D'ARCY A SECONDARY ACCESS ROAD CONTOURS ABOVE THE NORTH SHORE OF ANDERSON LAKE FOR APPROXIMATELY 40 KM TO SETON PORTAGE. FROM SETON PORTAGE CONTINUE EAST TO SHALATH AND NORTH TO THE SUMMIT OF MISSION PASS. AT THE SUMMIT THE PREVIOUSLY MENTIONED B.C. HYDRO ACCESS ROAD IS REACHED. PROCEEDING EAST PROVIDES ACCESS TO THE PROPERTY. THOUGH GENERALLY WELL MAINTAINED BY B.C. HYDRO, MANY OF THE DIRT ROADS ARE STEEP AND REQUIRE FOUR-WHEEL DRIVE VEHICLES.

THE B.C. RAILWAY LINE RUNS ALONG THE NORTHERN SHORE OF ANDERSON AND SETON LAKES THROUGH SHALATH AND SETON PORTAGE AND PROVIDES ACCESS TO BOTH VANCOUVER AND THE BRITISH COLUMBIA INTERIOR.

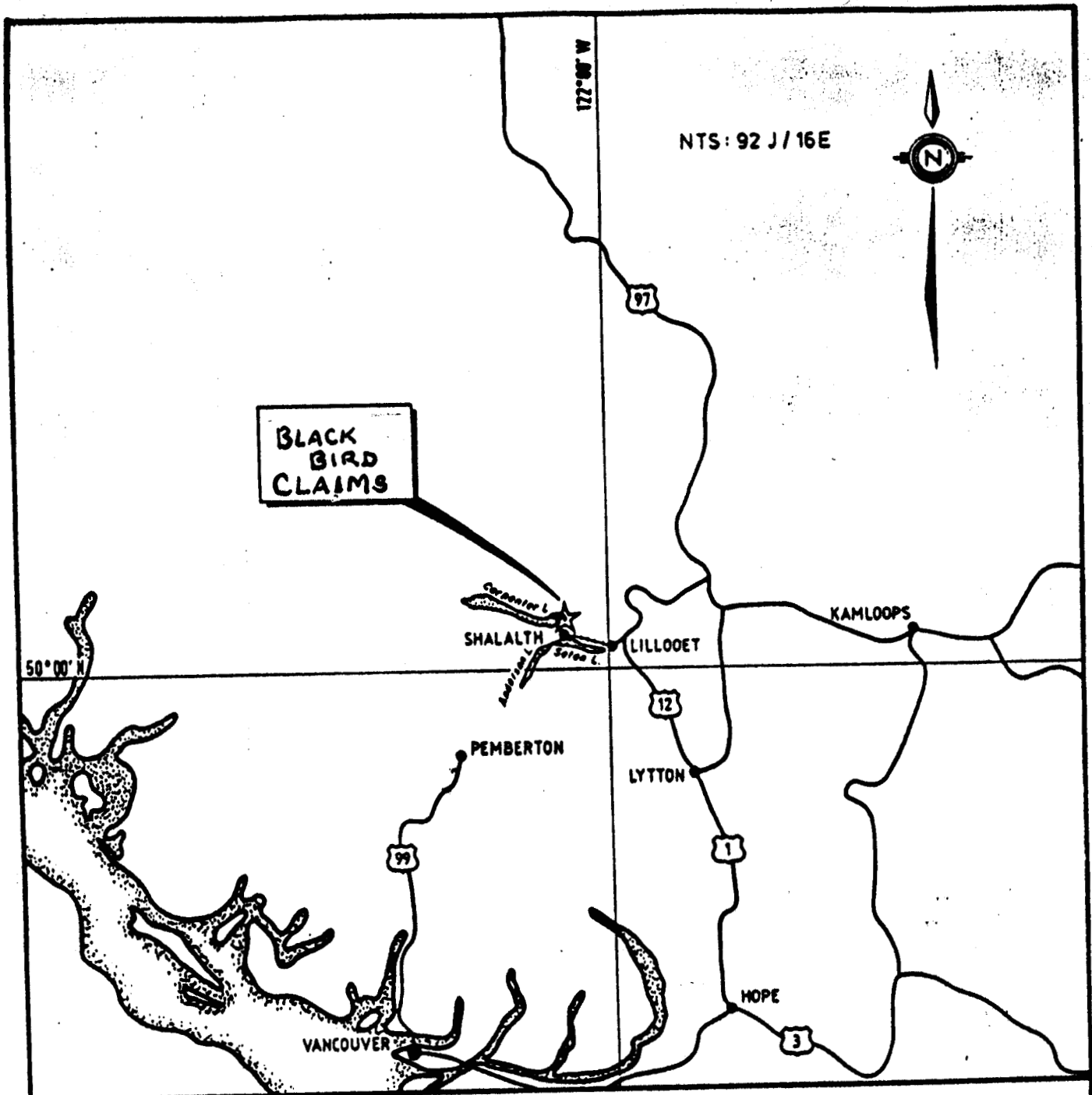
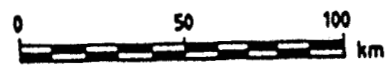


FIGURE 1

LOCATION MAP
 OF THE BLACK BIRD CLAIMS
 LILLOOET MINING DIVISION, B.C.

1:240,000



PHYSIOGRAPHY

MISSION MOUNTAIN LIES DIRECTLY WEST OF MISSION RIDGE IN THE CHILCOTIN RANGE ON THE EASTERN EDGE OF THE COAST MOUNTAINS. ELEVATIONS ON THE BLACK BIRD CLAIMS RANGE FROM 750 M TO ALMOST 2000 M ABOVE SEA LEVEL. THE MAJORITY OF THE PROPERTY IS HEAVILY FORESTED AND STEEP. THE NORTHERN EXTENT OF THE CLAIM GROUP IS PRECIPITOUS, WITH CLIFFS OF OVER 1200M. THE WESTERN PORTION OF THE PROPERTY IS GENERALLY DENSELY FORESTED AND STEEP OR PRECIPITOUS IN AREAS. THE SOUTHERN PORTION IS ALSO STEEP BUT IS GENERALLY LESS FORMIDABLE THAN THE NORTHERN AND WESTERN AREAS.

OUTCROP EXPOSURE IS ABUNDANT NEAR THE SUMMIT OF MISSION MOUNTAIN, BUT LESS ABUNDANT AT LOWER ELEVATIONS AND VIRTUALLY NON-EXISTENT IN MANY OF THE DENSELY WOODED AREAS. THE BEST OUTCROP EXPOSURE AT LOWER ELEVATIONS IS SEEN IN THE ROAD CUTS.

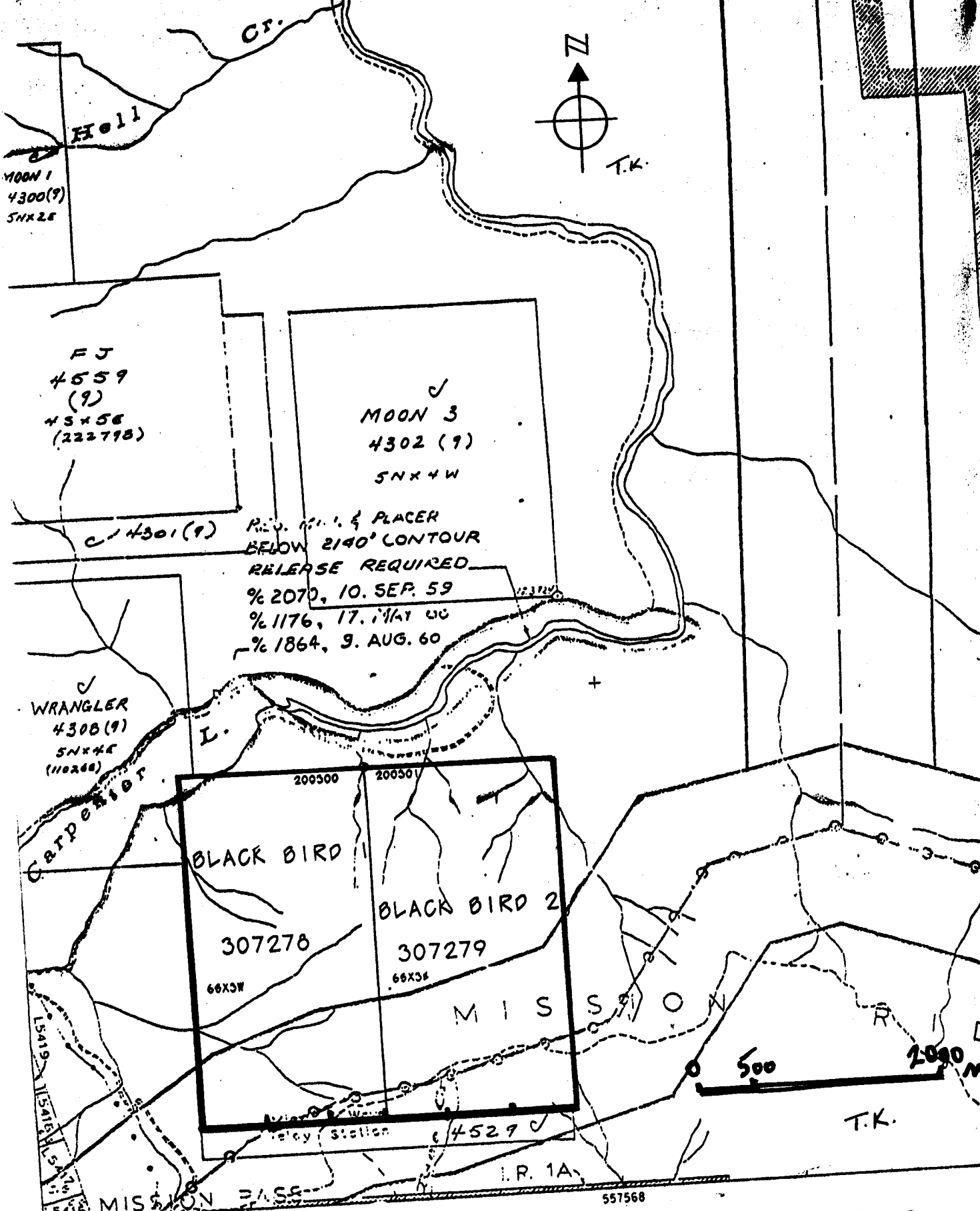
THERE ARE SEVERAL DEEP CUT VALLEYS WHICH APPEAR TO REPRESENT FAULTS. VERY LITTLE WATER EXISTS ON THE PROPERTY. A SMALL STREAM FLOWING DOWN THE FACE OF MISSION MOUNTAIN PROVIDED THE ONLY WATER ON THE PROPERTY AND THIS WOULD BE DRY AT ANY TIME OTHER THAN PEAK RUN OFF PERIODS.

BECAUSE OF THE ELEVATION AND LOCATION OF MISSION MOUNTAIN, THE CLIMATE VARIES DRAMATICALLY. SNOW REMAINS ON MANY OF THE NORTH FACING SLOPES YEAR ROUND AND SNOW FALLS ARE NOT UNCOMMON DURING THE SUMMER MONTHS. CONVERSELY, THE RIVER AND LAKE VALLEYS OF THE AREA ARE THE DRIEST AND WARMEST SEMI-ARID REGIONS IN CANADA.

CLAIM INFORMATION

THE BLACK BIRD CLAIMS CONSIST OF TWO 18 METRIC UNIT CLAIM BLOCKS. THE CLAIMS ARE SHOWN ON THE DEPARTMENT OF MINES MINERAL CLAIM MAP 92J 16E. THE CLAIMS ARE OWNED BY MR. GARY POLISCHUK, LILLOOET B.C.

<u>NAME</u>	<u>RECORD NO.</u>	<u>UNITS</u>	<u>EXPIRY DATE</u>
BLACK BIRD #1	307278	18	01/30/93
BLACK BIRD #2	307279	18	01/30/93



BLACK BIRD CLAIMS - CLAIM MAP

HISTORY

THE BRIDGE RIVER AREA IS ONE OF BRITISH COLUMBIA'S OLDEST GOLD CAMPS. PRODUCTION FROM NUMEROUS HARD ROCK AND PLACER OPERATIONS DATES BACK TO BEFORE THE TURN OF THE CENTURY. PLACER MINING COMMENCED IN 1858 WHEN PLACER GOLD WAS RECOVERED FROM THE BED OF THE BRIDGE RIVER NEAR ITS CONFLUENCE WITH THE FRASER RIVER. THE PLACER GOLD DEPOSIT'S WERE FOLLOWED FOR APPROXIMATELY 16 KM UPSTREAM FROM THE FRASER. IN 1859 A SECOND DISCOVERY WAS MADE ON GUN CREEK NEAR ITS CONFLUENCE WITH THE BRIDGE RIVER, CLOSE TO THE FUTURE SITE OF THE MINTO MINE. EXTENSIVE PLACER OPERATIONS WERE ALSO INITIATED ON TYAUGHTON AND HURLEY RIVERS AND ON CADWALLADER CREEK.

IT WASN'T UNTIL THE LATE 1800'S, HOWEVER, THAT AN INTEREST EMERGED IN IDENTIFYING THE PLACER SOURCE. THIS LEAD TO THE DISCOVERY OF THE BRALORNE AND PIONEER DEPOSITS NEAR THE TURN OF THE CENTURY. THE BRALORNE MINE, THE LARGEST GOLD PRODUCER IN THE REGION, HAS YIELDED OVER 2.8 MILLION OUNCES OF GOLD AND OVER .7 MILLION OUNCES OF SILVER SINCE 1900. THE ORE IS REPORTED TO GRADE 0.53 OZ/TON GOLD.

THE PIONEER MINE, SOUTH OF THE BRALORNE MINE IN THE SAME GREENSTONE BELT, HAS PRODUCED OVER 1.3 MILLION OUNCES OF GOLD AND .25 MILLION OUNCES OF SILVER SINCE 1908.

NUMEROUS SMALLER OPERATIONS WERE SCATTERED THROUGHOUT THE REGION. ONE OF THE LARGER OF THESE OPERATIONS WAS THE MINTO MINE, LOCATED ON THE NORTHERN SHORE OF CARPENTER LAKE NEAR GUN CREEK. PRODUCTION BETWEEN THE YEARS 1934 AND 1940 TOTALED OVER 17,000 OUNCES OF GOLD, 50,000 OUNCES OF SILVER AND APPRECIABLE AMOUNT OF COPPER AND LEAD. THE DEPOSITS OCCURS IN A FAULT FISSURE WITH MINERALIZATION CONSISTING OF STIBNITE, ARSENOPYRITE, PYRITE, PYRRHOTITE, SPHALERITE, GALENA, AND CHALCOPYRITE. THE SHOWINGS ON THE BLACK BIRD CLAIMS APPEAR TO BE VERY SIMILAR TO THE MINTO DEPOSIT.

OTHER OPERATIONS IN THE BRIDGE RIVER CAMP INCLUDE THE CONGRESS AND THE WAYSIDE MINE ON THE BRIDGE RIVER A FEW MILES UPSTREAM FROM THE MOUTH OF GUN CREEK, THE PILOT MINE SITUATED NEAR THE CENTER OF THE WEST SHORE OF GUN LAKE.

THE SHOWING OF THE PRESENT BLACK BIRD CLAIMS WERE FIRST DISCOVERED IN THE 1940'S. GALENA-SHPALERITE BEARING FLOAT SAMPLES WERE DISCOVERED IN 1941 BY PAUL MATSON, PROSPECTOR, IN CREEK BEDS AT THE BASE OF MISSION RIDGE. THE SOURCE OF THE MINERALIZATION BOULDERS WAS TRACED TO AN OUTCROPPING 1

FT. THICK SPHALERITHEE-GALENA VEIN AT AN ELEVATION OF 1650 M/.A 10M DRIVE WAS COMPLETED IN 1948 TO EXPOSE THE VEIN. A TOTAL OF SIX SURFACE PITS WERE DUG 250 TO 300 M EAST-NORTHEAST OF THE DRIVE. THE PITS HAVE AN AVERAGE DEPTH OF 1.5 M. THE CLAIMS AT THIS TIME WERE KNOWN AS THE "KING " CLAIMS.

ROCK SAMPLING OF THE PIT AND SURFACE PITS, SOIL GEOCHEMICAL SAMPLING AND GEOLOGICAL MAPPING WAS CARRIED OUT IN MARCH, 1967 FOR BENN EXPLORATIONS LTD. AS SECOND PHASE OF EXPLORATION WAS CONDUCTED BY BENN EXPLORATIONS LTD IN 1967 ON THE KING CLAIMS, AN ANOMALOUS AREA 500 X 300 M DIRECTLY ABOVE AND ADJACENT TO THE OLD WORKING, WAS ISOLATED BY USE OF SOIL GEOCHEMISTRY. A SHORT VLF-EM FOLLOW-UP PROGRAM WAS CONDUCTED. THE CLAIMS WERE SUBSEQUENTLY DROPPED BY BENN EXPLORATIONS

JACK BUTULA, PROSPECTOR, STAKED SIX CLAIM IN 1970 AND IN 1983 ADDED SIX ADDITIONAL CLAIMS TO MAKE UP THE "MATSON" GROUP. WHICH, IN 1984, ODESSA EXPLORATIONS INC. CONDUCTED AN EXPLORATION PROGRAM OVER THE EXPOSED MINERALIZED ZONES. ENCOURAGING MAGNETOMETER AND SOIL GEOCHEMISTRY RESULTS WERE OBTAINED. ODESSA COMPLETED A SECOND PHASE OF SAMPLING ON THE SHOWING IN JULY OF 1985.

IN JUNE OF 1987, MOUNTAINSIDE MANAGEMENT LIMITED CONDUCTED A FIRST PHASE EXPLORATION PROGRAM ON THE MATSON PROPERTY WITH THE OBJECTIVE OF DEFINING TARGETS WITH POTENTIAL FOR PRECIOUS METAL DEPOSITION. THE PROGRAM CONSISTED OF GRID ESTABLISHMENT, GEOLOGICAL MAPPING, AND GEOCHEMICAL AND GEOPHYSICAL SURVEYS ON THE PROPERTY. AS WELL AS SOME BLASTING AND TRENCHING. THE EXPLORATION PROGRAM WAS UNDERTAKEN FOR KELSO RESOURCES LTD.

THE PROPERTY WAS STAKED BY GARY POLISCHUK OF LILLOOET IN JANUARY, 1992. GARY PROSPECTED THE PROPERTY IN DETAIL AND EXCAVATED SEVERAL TEST PITS BY HAND. HE SOIL SAMPLED SEVERAL AREAS WHICH CONTAINED ENCOURAGING GEOLOGICAL STRUCTURES AND ESTABLISHED SEVERAL ANOMALIES WHICH SHOULD BE EXPLORED TO A FURTHER EXTENT.

REGIONAL GEOLOGY

THE GEOLOGY OF THE BRIDGE RIVER AREA CONSISTS OF A VERY COMPLEX SEQUENCE OF SEDIMENTARY, METASEDIMENTARY, INTRUSIVE AND VOLCANIC ROCKS LOCATED BETWEEN THE BOUNDARY OF THE INTERMONTANE AND THE COASTAL CRYSTALLINE BELTS. THE AREA IS CONSIDERED TO BE ANTICLINE WITH COMPLICATED FOLDS ON THE SOUTHWEST LIMB. IN MANY AREAS THE LIMB IS PIERCED BY INTRUSIVE BODIES ASSOCIATED WITH THE COASTAL BATHOLITH. THE ANTIFORM IS ABOUNDED ON THE SOUTHWEST BY THE MAIN MASS OF THE COAST CRYSTALLINE BELT AND ON THE NORTH-WEST BY THE YALAKOM FAULT ZONE.

SEDIMENTARY AND VOLCANIC ROCKS OF THE TRIASSIC BRIDGE RIVER GROUP ARE THE MOST EXTENSIVELY EXPOSED LITHOLOGIES IN THE REGION. ALONG THE SOUTHWESTERN FLANK OF THE ANTIFORM, THE BRIDGE RIVER GROUP IS overlain BY CLASTIC AND VOLCANIC ROCKS OF THE TRIASSIC CADWALLADER GROUP. HOWEVER, ON THE NORTHEASTERN LIMB OF THE STRUCTURE THE CADWALLADER IS ALL BUT COMPLETELY REMOVED BY THE YALAKOM FAULT ZONE. GRANODIORITE AND LESS COMMON OCCURRENCES OF DIORITE, GABBRO AND BASALT ARE SEEN IN THE BRIDGE RIVER AREA WITH THE BENDOR PLUTON AND THE REXMOUNT PORPHYRY CONSTITUTING OF TWO OF THE LARGER IGNEOUS BODIES.

PROPERTY GEOLOGY

THE BRIDGE RIVER GROUP, ALSO KNOWN AS THE FERGUSSON GROUP, IS THE MOST PROMINENT AS WELL AS THE MOST IMPORTANT ROCK UNIT IN THE AREA, FOR IT IS THE HOST ROCK OF THE MINERALIZATION ON THE BLACK BIRD CLAIMS. THE GROUP CONSISTS MAINLY OF A THICK SEQUENCE OF THIN-BEDDED CHERT, CHERTY ARGILLITE, AND ARGILLITE INTERCALATED WITH ALTERED BASALTIC FLOWS, PERIDOTITE, SERPENTINITE AND MINOR LIMESTONE. IN THE SOUTHEASTERN AREA OF THE BLACKBIRD 2 CLAIM THE BASALTIC FLOWS HAVE BEEN ALTERED TO LISTWANITE WHICH IS A QUARTZ/CARBONATE ALTERATION WITH PYRITE AND MARIPOSITE DISSEMINATED IN THE LISTWANITE. IN MANY AREAS ON THE BLACK BIRD CLAIMS, THE ARGILLITES APPEAR TO HAVE BEEN ALTERED BY CONTACT METAMORPHIC EFFECTS, WHICH HAS PRODUCED HORNFELS FACIES. THE PROCESS INVOLVES RECRYSTALLIZATION OF THE ORIGINAL SEDIMENTARY ROCK AT HIGH TEMPERATURES, BUT WITHOUT SHEARING STRESSES. DARK ALTERED ARGILLITE (HORNFELS), DARK TO LIGHT GREY WEATHERED CHERT AND DARK CHERTY ARGILLITE ARE THE MOST ABUNDANT ROCK TYPES. THE CHERT COMMONLY FORMS LENSOID OR NODULAR LAYERS SEPARATED BY THIN FILMS OF ARGILLITE. BECAUSE OF THIS CHARACTERISTIC, THE ROCK IS OFTEN REFERRED TO AS RIBBON-CHERT. THE ALTERED ARGILLITE (HORNFELS) ARE GENERALLY COMPACT AND MASSIVE, BREAKING WITH A SPLINTING FRACTURE INTO SHARP ANGULAR PIECES.

IN MANY AREAS THE SEDIMENTS ARE SO HIGHLY ALTERED THAT THE ORIGINAL LITHOLOGY CAN NOT BE CLEARLY IDENTIFIED. THE ROCK OFTEN RESEMBLES AN ANDESITE; THE ABUNDANCE OF CHERT LEADS TO THE ASSUMPTION THAT THE ROCK IS OF SEDIMENTARY ORIGIN.

PODS OR LENS OF LIGHT-GREY WEATHERED, RECRYSTALLIZED LIMESTONE ARE SCATTERED THROUGHOUT THE BRIDGE RIVER GROUP. LIMESTONE WAS OBSERVED ON THE BLACKBIRD CLAIMS ALTHOUGH THERE TOTAL EXTENT WAS NOT VISIBLE BECAUSE OF THE OVERBURDEN.

A BASALTIC FLOW STRIKING NORTHWEST IS EXPOSED FOR OVER 1 KM IN THE EASTERN PORTION OF THE PROPERTY. THE FLOW IS GENERALLY MORE THAN 200 M WIDE. IN MANY AREAS THE FLOW EXHIBITS PILLOW STRUCTURES, INDICATING IT WAS EXTRUDED IN A MARINE ENVIRONMENT. ALTHOUGH THE FLOW APPEARS TO OVERLIE THE REXMOUNT UNIT, IT IS THOUGHT TO BE PART OF THE OLDER BRIDGE RIVER COMPLEX. THE ROCK IS A MASSIVE, MEDIUM TO DARK GREEN CHOCOLATE BROWN WEATHERED METABASALT. THE PRINCIPAL MINERALOGY OF THE METABASALT CONSISTS OF PLAGIOCLASE, PYROXENE AND OLIVINE. IN AREAS THE ROCK IS BROKEN INTO LARGE, HIGHLY RESISTANT BOULDER SIZE BLOCKS.

ALONG THE WESTERN CONTACT OF THE BASALT, A LENTICULAR BODY OF SERPENTINITE APPROXIMATELY 25M WIDE OUTCROPS FOR 150M. SERPENTINITE FLOAT FOUND 600 M TO THE SOUTH INDICATES THAT THE SERPENTINITE MAY BE CONTINUOUS ALONG THE FULL EXTENT OF THE METABASALT CONTACT WITH THE REXMOUNT PORPHYRY. THE SERPENTINITE WAS PROBABLY FORMED BY HYDROTHERMAL ALTERATION OF ULTRABASIC ROCKS IN THE AREA, SUCH AS PERIDOTITE. THE SERPENTINITE APPEARS TO BE RESPONSIBLE FOR ANOMALOUS NICKEL AND CHROMIUM VALUES FOUND IN THE SOIL SURVEY.

IN SEVERAL AREAS AN ARGILLACEOUS QUARTZITE IS FOUND IN CONTACT WITH THE REXMOUNT PORPHYRY OR THE METABASALT. THE QUARTZITES ARE MASSIVE AND BLACK WITH A GOSSANOUS OXIDIZED SURFACE. THEY ARE GENERALLY FOUND AS SMALL OUTCROPS NO MORE THAN 10 M ACROSS. A LARGE OUTCROP IS FOUND IN CONTACT WITH THE TRACHYTE ALONG A WELL DEFINED SHEAR ZONE EXPOSED FOR APPROXIMATELY 25 M. THE BRIDGE RIVER GROUP IS CONSIDERED TO BE OF TRIASSIC AGE.

THE REXMOUNT PORPHYRY IS AN INTRUSIVE BODY OF GRANDIORITE-QUARTZ DIORITE, SYENITE AND THEIR VOLCANIC EQUIVALENTS DACITE AND TRACHYTE. NEAR THE CONTACT OF THE INTRUSIVE AND THE BRIDGE RIVER SEDIMENTS, PORPHYRITIC TRACHYTE IS THE DOMINANT ROCK TYPE. WELL FORMED PHENOCRYSTS OF PLAGIOCLASE IN A LIGHT GREY, FELDSPAR-RICH APHANITIC GROUNDMASS CHARACTERIZE THE UNIT. AS THE SILICA CONTENT INCREASES IN THE ROCK AT SOME DISTANCE FROM THE CONTACT, THE ROCK GRADES TO A DACITE. A TRUE GRANODIORITE-QUARTZ DIORITE IS FOUND IN THE NORTHERN AND NORTH EASTERN PORTION OF THE GRID.

THE GRANODIORITE IS MEDIUM TO COARSE GRAINED WITH QUARTZ AND PLAGIOCLASE FORMING THE PRIMARY CONSTITUENTS OF THE ROCK. MINOR COMPONENTS ARE HORNEBLENDE, BIOTITE AND PYROXENE.

SEVERAL APLITE DYKES ASSOCIATED WITH THE REXMOUNT PORPHYRY CUT THE BRIDGE RIVER GROUP ON THE PROPERTY. THE DYKES ARE VERY FINE GRAIN FELSIC BODIES GENERALLY GREATER THAN 25 M WIDE AND OFTEN TRACEABLE FOR 100 M OR MORE. ALTHOUGH NOT SEEN NEAR THE SHOWINGS, IT APPEARS THAT THESE DYKES MAY HAVE PROVIDED A HEAT SOURCE FOR THE MINERALIZING FLUIDS. A MIOCENE AGE HAS BEEN ASSIGNED TO THE REXMOUNT PORPHYRY.

THE BLACKBIRD PROPERTY LIES ON THE NORTHEAST LIMB OF A PLUNGING ANTICLINE WHICH IS SEVERED APPROXIMATELY 5 KM TO THE NORTHEAST BY THE YALAKOM FAULT ZONE. THE INITIAL DEFORMATION OF THE SEDIMENTS OCCURRED DURING THE JURASSIDE REVOLUTION IN LATE JURASSIC TIME. UPLIFT AND EROSION FOLLOWED UNTIL TERTIARY TIME AND THE ONSET OF THE LARAMIDE OROGENY. IT WAS DURING THE LARAMIDE OROGENY THAT SEVERAL OF THE PLUTONIC BODIES IN THE REGION, INCLUDING THE REXMOUNT PORPHYRY, WERE INTRUDED.

THE INTRUSION OF THE REXMOUNT PORPHYRY APPEARS TO HAVE A VERY CLOSE GENETIC RELATIONSHIP WITH THE MINERALIZATION ON THE PROPERTY. THE CONTACT BETWEEN THE SEDIMENTS AND THE INTRUSIVE RUNS NORTHWEST TO SOUTHEAST ACROSS THE PROPERTY. IN MOST AREAS THE CONTACT IS INFERRED DUE TO LACK OF OUTCROP. HOWEVER, FROM THE ROAD ALONG CARPENTER LAKE THE CONTACT AND INTERFINGERING DYKES CAN BE SEEN ON THE CLIFFS ABOVE. SEVERAL STRATA-CUTTING DYKES WERE ALSO IDENTIFIED ON THE PORTION OF THE PROPERTY COVERED BY THE GRID. BECAUSE OF THE PROXIMITY OF THE EXPOSED MINERALIZATION TO THE SEDIMENT/INTRUSIVE CONTACT IT APPEARS THAT THESE DYKES MAY HAVE AN IMPORTANT RELATIONSHIP TO THE SULFIDE MINERALIZATION.

CONTACT FEATURES ASSOCIATED WITH INTRUSIVE BODIES ARE OBVIOUS THROUGHOUT THE PROPERTY. THE INTRUSIVE HAS A TRACHYTIC TEXTURE NEAR THE CONTACT, WHILE THE SEDIMENTS HAVE BEEN ALTERED BY CONTACT METAMORPHIC EFFECTS TO THE HORNFELS FACIES. THE DYKES ARE USUALLY MICROCRYSTALLINE APLITE.

A MAJOR FAULT, STRIKING 054 DEG AND DIPPING STEEPLY CUTS THE BRIDGE RIVER GROUP APPROXIMATELY 100 M NORTH OF THE ADIT. THE FAULT IS APPARENTLY NORMAL, AND THE OFFSET IS UNKNOWN. THE MAJOR SHEAR ZONE WHICH HOSTS THE MINERALIZATION AT THE ADIT RUNS ALMOST PARALLEL TO THIS FAULT, STRIKING 051 DEG., DIPPING 62 DEG. NW. THE ATTITUDES OF THE OTHER SHEAR ZONES VARY DRAMATICALLY, WITH MEASURED STRIKES RANGING FROM 0 TO 120 DEG. DIPS ARE GENERALLY VERY STEEP TO THE NORTH WEST OR VERTICAL. MUCH OF THE EXPOSED MINERALIZATION IS FOUND IN QUARTZ VEINS ASSOCIATED WITH THESE SHEAR ZONES, THUS MAKING THEM IMPORTANT FEATURES WITH RESPECT TO THE ECONOMICS OF THE PROPERTY.

AN EXTRUSIVE FLOW OF BASALT, WHICH HAS SUBSEQUENTLY BEEN ALTERED TO METABASALT/GREENSTONE, HAS REMNANT PILLOW STRUCTURES INDICATING IT WAS DEPOSITED IN A MARINE ENVIRONMENT.

ALTERATION AND MINERALIZATION WITHIN THE BLACKBIRD PROJECT AREA IS SPATIALLY ASSOCIATED WITH GRANODIORITE AND QUARTZ DIORITE OF THE REXMOUNT PORPHYRY. THE BRIDGE RIVER GROUP, WHICH FORMS THE COUNTRY ROCK IN THE REGION, HAS BEEN RECRYSTALLIZED, MATASOMATIZED AND SILICIFIED NEAR THE INTRUSION.

THE MINERALIZATION ON THE BLACKBIRD PROPERTY CONSISTS MOSTLY OF ARSENOPYRITE, GALENA, SPHALERITE, AND MARCASITE WITH MINOR AMOUNTS OF PYRITE, CHALCOPYRITE, PHYRRHOTITE AND MAGNETITE. THE GEOLOGY AND MINERAL ASSEMBLAGE OF THE SHOWINGS SEEMS TO INDICATE THAT THE DEPOSIT IS VOLCANIC-ASSOCIATED VEIN AND SHEAR ZONE HYDROTHERMAL SYSTEM. DEPOSITS SUCH AS THESE APPEAR TO HAVE A CLOSE GENETIC RELATIONSHIP WITH THE ASSOCIATED INTRUSION. HOWEVER IT IS NOT CERTAIN WHETHER THE INTRUSION AND STRUCTURES ASSOCIATED

WITH THE INTRUSION SERVE AS A STRUCTURALLY AND CHEMICALLY FAVORABLE TRAP, OR AS A HEAT SOURCE RESPONSIBLE FOR THE ESTABLISHMENT OF CIRCULATING HYDROTHERMAL FLUIDS. THE MINERALIZATION ZONES IS QUITE EVIDENT WITH CERRUSITE (LEAS CARBONATE), SMITHSONITE (ZINC CARBONATE) AND ANGLSITE (LEAD SULPHATE) ALL BEING COMMON. BOTH CERRUSITE AND ANGLSITE ARE FOUND AS SECONDARY MINERALS THAT GENERALLY FORM FROM GALENA IN THE ZONES OF SURFACE ALTERATION. SMITHSONITE IS FOUND AS A SECONDARY MINERAL FORMED FROM THE OXIDATION OF SPHALERITE IN SIMILAR DEPOSITS. LIME GREEN ARSENOPHYRITE ALTERATION IS ALSO ABUNDANT THROUGHOUT THE MINERALIZED ZONES.

A BAND OF SERPENTINE IS EXPOSED ALONG THE WESTERN CONTACT OF THE METABASALT DYKE/FLOW. SERPENTINITE IS USUALLY FORMED BY ALTERATION OF ULTRABASIC ROCKS SUCH AS PERIDOTITE AND IS COMPOSED MOSTLY OF CHRYSOTILE AND ANTIGORITE. MINOR AMOUNTS OF NICKEL AND CHROMIUM IN THE SERPENTINE ARE THOUGHT TO BE RESPONSIBLE FOR ANOMALOUS VALUES OF THOSE ELEMENTS IN THE SOILS.

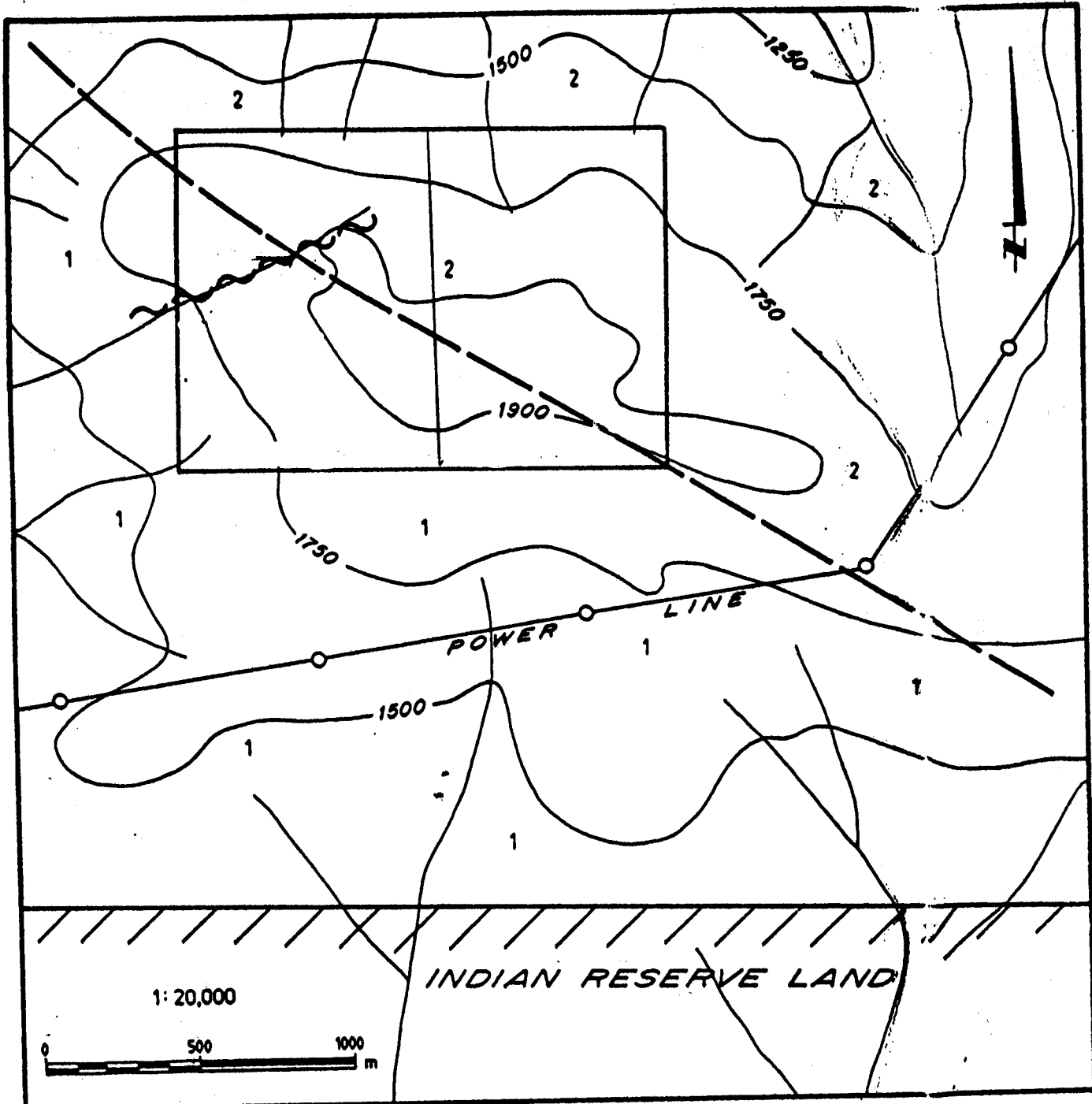


FIGURE 3: GEOLOGY OF THE BLACK BIRD CLAIM AREA
LILLOOET MINING DIVISION, BRITISH COLUMBIA
FROM RODDICK AND HUTCHISON (1978)

LEGEND

- 2 REXMOUNT PORPHYRY
TERTIARY-MIOCENE ?
- 1 BRIDGE RIVER GROUP
TRIASSIC

- GEOLOGICAL CONTACT
APPROXIMATE
- ~~~~ FAULT, INFERRED

STATEMENT OF COSTS:

<u>ITEM DESCRIPTION</u>	<u>COST</u>
FIELD/OFFICE SUPPLIES	\$947.78
4X4 TRUCK RENTAL(52DAYS X \$50/DAY)	\$2,600.00
SKIDOO RENTAL(14DAYS X \$50/DAY)	\$700.00
FREIGHT	\$571.97
SAMPLE ANALYSES	\$1,446.11
GEOLOGICAL SUPERVISION/PROSPECTING	\$10,400.00
LABOUR	\$2,700.00
CHAINSAW RENTAL	\$350.00
<u>15% OVERHEAD</u>	<u>\$3,325.74</u>
TOTAL	\$25,497.36

THERE IS \$10,800.00 FILED FOR THREE YEARS OF ASSESSMENT CREDIT AND \$14,697.36 IS FILED INTO GARY POLISCHUK'S PORTABLE ASSESSMENT CREDIT (PAC) ACCOUNT.

REFERENCES

MCCAMMON, J.W., 1938, THE GEOLOGY AND MINERAL DEPOSITS OF THE BRIDGE RIVER DISTRICT, BRITISH COLUMBIA, B.A.SC. THESIS UNIVERSITY OF B.C.

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QP 129

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P.E171

FAIRLEY, J. B.A.SC.P.ENG; KROHMAN, D. B.SC. GEOL., GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL REPORT ON THE MATSON PROPERTY FOR KELSO RESOURCES, 1987

QUALIFICATIONS

I, J., MILLER-TAIT OF 828 WHITCHURCH ST, N, VANCOUVER, B.C., V7L 2A4, DO HEREBY CERTIFY THAT:

I AM A GRADUATE OF THE UNIVERSITY OF BRITISH COLUMBIA WITH A BACHELOR OF SCIENCE DEGREE IN GEOLOGY (1986).


I AM A REGISTERED MEMBER IN GOOD STANDING OF THE ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF BRITISH COLUMBIA.

I HAVE BEEN PRACTICING MY PROFESSION AS A GEOLOGIST SINCE 1982.

THIS REPORTS IS BASED ON A PERSONAL VISIT TO THE PROPERTY AND AN EVALUATION OF THE INFORMATION COMPILED BY G. POLISCHUK.

I HAVE NO DIRECT OR INDIRECT INTEREST IN THE PROPERTY DESCRIBED HEREIN, OR EXPECT TO RECEIVED ANY SECURITIES REGARDING THE SAME.

THIS REPORT MAY BE UTILIZED BY MR. G. POLISCHUK FOR INCLUSION IN A PROSPECTUS OR STATEMENT OF MATERIAL FACTS.


J. MILLER-TAIT
B.SC, P.GEO.
NOVEMBER 23, 1992



APPENDIX A

GEOCHEMISTRY

GEOCHEMICAL SOIL SAMPLING WAS USED AS AN EXPLORATION GUIDE BECAUSE OF ITS SUCCESS ON OTHER EXPLORATION PROJECTS ELSEWHERE IN THE BRIDGE RIVER DISTRICT.

THERE WERE A TOTAL OF 85 SAMPLES TAKEN IN THE GRID AREA. THESE SAMPLES WERE COLLECTED USING A LONG HANDLED SHOVEL TO DIG APPROXIMATELY 50 - 75 CMS. THROUGH THE BLANKETING HUMUS, BELOW THIS LAYER THE WELL DEVELOPED B-HORIZON WAS SAMPLED. THE SAMPLES WERE APPROX 300 - 500 GRAMS IN WEIGHT AND WERE PLACED IN KRAFT SAMPLE BAGS AND SHIPPED TO MIN EN LABS IN VANCOUVER FOR ANALYSES.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO_3 and HClO_4 mixture.

After pretreatments the samples are digested with Agua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.005 ppm (5ppb).

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
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NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT
WORK - 26 ELEMENT ICP

Ag, Al, As, B, Bi, Ca, Cd, Co, Cu, Fe, K, Mg, Mn, Mo,
Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formatted by routing computer dotline print out.

COMP: AVINO MINES
 PROJ: MATSON
 ATTN: J.MILLER-TAIT

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 2V-0210-SJ1
 DATE: 92/04/10
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
J-1	.8	35350	77	11	86	1.1	15	8090	.1	41	100	77580	1110	47	20720	2809	1	550	50	820	139	4	14	1	2779	193.1	321	5	3	6	64	55
J-3	.8	33240	527	10	88	1.7	8	5720	.1	38	113	74310	1470	39	20140	2267	1	490	56	530	200	6	14	1	1346	184.9	392	5	3	6	65	25
J-7	1.0	38610	71	9	119	1.8	9	6690	.1	45	52	69280	1040	72	33550	1243	1	500	218	790	66	6	18	1	1489	133.2	227	4	3	5	85	25
J-8	1.4	37670	53	9	121	1.4	10	5250	.1	30	72	51780	1620	41	16430	800	1	330	147	1140	65	3	16	1	1819	121.1	347	6	3	7	117	20

Black bird soils - plotted on map.

COMP: AVINO MINES
 PROJ: BRALORNE/MATSON
 ATTN: J.MILLER-TAIT

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)988-5816 OR (604)988-4524

FILE NO: ZV-0514-BJ9
 DATE: 92/06/22
 * SOIL * (ACT1F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU FIRE PPM
L21E + 37008	.9	9	36	4	1	58	5
L21E + 37508	.6	1	24	4	1	55	4
L21E + 38008	.1	1	29	1	1	43	4
L21E + 38508	.1	1	33	6	1	80	2
L21E + 39008	.2	1	26	7	1	66	2
L21E + 39508	.7	1	30	1	1	51	2
L21E + 40008	.5	1	30	2	1	50	5
L21E + 40508	.8	1	29	4	1	44	13
L21E + 41008	.4	1	20	14	1	66	1
L21E + 41508	.1	1	17	7	1	54	2
L21E + 42008	.4	1	18	7	1	88	6
L21E + 42508	.1	1	45	6	1	139	1
L21E + 43008	.6	1	43	1	1	90	1
L21E + 43508	.4	2	93	1	1	69	1
L21E + 44008	.5	2	48	3	1	56	4
L21E + 44508	.4	10	31	7	1	77	3
L21E + 45008	.7	1	28	7	1	83	2
888+23	.1	129	77	71	1	243	83
888+24	.1	53	37	33	1	163	1
888+25	.3	87	52	71	1	309	4
888+26	.2	87	73	91	1	370	21

*Blackbird
 Plotted*

COMP: AVINO MINES
 PROJ: BRALORNE/MATSON
 ATTN: J.MILLER-TAIT

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 2V-0514-SJ1+2
 DATE: 92/06/22
 * SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
MS-1	.1	32	43	21	1	107	2
MS-2	.1	25	47	28	1	77	7
MS-3	.1	20	51	31	1	114	6
MS-4	.1	166	86	37	1	141	7
MS-5	.1	1	80	1	1	89	6
MS-6	.1	1	88	1	1	76	5
MS-7	.1	1	34	16	1	134	27
MS-8	.1	1	73	1	1	46	8
MS-9	.1	5	83	12	1	103	6
MS-10	.1	1	82	1	1	71	6
MSC-1	.1	1	34	7	1	90	5
MSC-2	.1	1	58	1	1	98	4
MSC-3	.1	1	85	1	1	77	10
MSC-4	.1	1	66	1	1	66	11
MSC-5	.1	55	51	38	1	132	8
MSC-6	.2	9	12	20	1	72	7
MSC-7	.1	30	49	33	1	96	48
MSC-8	.1	18	39	16	1	117	4
MSC-9	.1	1	27	13	1	112	4
MSC-10	.1	1	41	9	1	102	16
MSC-11	.1	1	40	5	1	91	5
MSC-12	.1	1	50	8	1	94	5
MSC-13	.1	1	77	1	1	104	4
MSC-14	.1	1	90	1	1	111	7
MSC-15	.1	1	107	12	1	119	5
MSC-16	.2	1	79	5	1	110	6
MSC-17	.5	37	70	30	1	106	10
MSC-18	.1	32	41	29	1	72	8
MSC-19	.1	17	23	25	1	134	3
MSC-20	.1	33	42	26	1	158	20
SUMMIT 1	.1	1	124	14	1	181	9
SUMMIT 2	.1	1	188	4	1	138	17
L15E + 50S	.7	5	67	1	1	70	15
L15E + 100S	.7	28	74	1	1	120	12
L15E + 150S	1.0	102	124	1	1	86	12
L15E + 200S	1.1	110	70	1	1	161	14
L15E + 250S	.7	1	16	7	1	98	2
L15E + 300S	.7	1	42	4	1	152	5
L15E + 350S	.5	1	27	6	1	183	12
L15E + 400S	.6	1	53	3	1	91	8
L15E + 450S	.6	1	25	4	1	119	5
L15E + 500S	1.1	1	42	1	1	125	60
L15E + 550S	1.0	1	38	1	1	104	12
L15E + 600S	.7	1	42	6	1	191	6
L15E + 650S	1.1	1	60	6	1	206	7
L15E + 700S	1.0	1	27	1	1	74	1
L15E + 800S	.1	8	52	12	1	130	8
L15E + 850S	.3	1	15	5	1	97	3
L15E + 900S	.9	1	48	1	1	172	4
L15E + 950S	1.0	1	24	3	1	90	3
L15E + 1000S	.7	1	38	1	1	116	33
L15E + 1050S	.1	1	10	5	1	72	2
L15E + 1100S	.1	5	40	9	1	171	6
L15E + 1150S	.2	6	56	11	1	232	8
L15E + 1200S	.3	20	20	10	1	211	4
L15E + 1250S	.4	20	44	11	1	218	3
L15E + 1300S	.3	4	42	9	1	154	5
L15E + 1350S	.6	1	39	8	1	345	62
L15E + 1400S	.1	1	23	13	1	214	5
L15E + 1450S	.1	1	24	6	1	126	2

BLACK BIRD CLAIMS.
 Recon. line in S.E. corner plotted



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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0263-RG1

Company: **GARY POLISCHUCK**
Project: **BLACK BIRD**
Attn: **GARY POLISCHUCK**

Date: **APR-24-92**

Copy 1. **GARY POLISCHUCK, LILLOEET, B.C.**

We hereby certify the following Geochemical Analysis of 7 ROCK samples submitted APR-21-92 by GARY POLISCHUCK.

Sample Number	*AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
T-7Q 1-00201	4500	2.8	8	47	9
T-7C 1-00202	4600	3.0	6	58	13
T-8 1-00203	4600	6.6	49	545	770
T-9 1-00204	2900	53.1	327	28300	19600
T-3 1-00205	2300	1.8	7	109	157
T-4 1-00206	540	10.3	208	2800	12400
T-7E 1-00207	3900	5.3	46	1140	1630

Certified by _____



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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

2V-0263-RA1

Company: GARY POLISCHUCK
Project: BLACK BIRD
Attn: GARY POLISCHUCK

Date: APR-24-92
Copy 1. GARY POLISCHUCK, LILLOOET, B.C.

We hereby certify the following Assay of 7 ROCK samples submitted APR-21-92 by GARY POLISCHUCK.

Sample Number	*AU g/tonne	*AU oz/ton	PB %	ZN %
T-7Q 1-00201	4.70	.137		
T-7C 1-00202	4.69	.137		
T-8 1-00203	4.62	.135		
T-9 1-00204	2.97	.087	2.94	1.83
T-3 1-00205	2.38	.069		
T-4 1-00206	0.54	.016		
T-7G 1-00207	3.90	.114		

Blackbird - P to Hed.

*AU - 1 ASSAY TON.

Certified by *J. H. Taylor*

COMP: AVINO MINES & RES. LTD.
 PROJ: BRALORNE
 ATTN: JIM MILLER-TAIT

MIM-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 2V-0251-RJ1
 DATE: 92/04/29
 * ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	SB PPM	ZN PPM	AU-FIRE PPB
#1	60.1	393.82	448	78577	85	489
#2	7.2	2377.96	61	11994	42	500
#5	1.9	161.63	11	863	34	20
04212	1.8	2258.06	42	203	33	795
04213	.6	20.21	350	580	205	23
T-3	.1	>10000	29	105	191	1495
T-5	94.7	5040.13	1096	140	2256	610
T-10	11.8	4833.63	107	39	1333	1000
T-11	6.9	3083.32	98	25	618	1950

Blackbird plotted.



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FAX (604) 980-9821

SMITHERS LAB.:
3178 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3008

~~ASSAY CERTIFICATE~~

2V-0281-RA1

Company: AVINO MINES & RES. LTD.
Project: BRALORNE
Attn: JIM MILLER-TAIT

Date: APR-29-92
Copy 1. AVINO MINES & RES. LTD, GOLD BRIDGE, BC.

We hereby certify the following Assay of 3 ROCK samples
submitted APR-24-92 by JIM MILLER-TAIT.

Sample Number	*AU g/tonne	*AU oz/ton
T-3	1.80	.053
T-10	1.06	.031
T-11	2.11	.062

*AU = 1 ASSAY TON.

Certified by _____

Miller

COMP: AVINO MINES
 PROJ:
 ATTN: J. MILLER-TAIT

MIN-EM LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 2V-0299-RJ1
 DATE: 92/05/05
 * ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	CU PPM	PB PPM	ZN PPM	AU-FIRE PPS
T-12 1-04214	7.8	233	5725	1759	1010
T-12 1-04215	2.5	35	1913	963	121
T-12 1-04217	20.2	193	14083	1041	410
	<i>Blackbird plotted.</i>				



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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

2V-0209-RA1

Company: AVINO MINES
Project: MATSON
Attn: J.MILLER-TAIT

Date: APR-16-92
Copy 1. AVINO MINES, GOLD BRIDGE, B.C.

We hereby certify the following Assay of 7 ROCK samples
submitted APR-07-91 by J.MILLER-TAIT.

Sample Number	AU-FIRE g/tonne	AU-FIRE oz/ton	PT g/tonne	PT oz/ton	PD g/tonne	PD oz/ton
15925	.06	.002	.02	.001	<.01	<.001
15926	.25	.007	.01	.001	<.01	<.001
15927	4.31	.126	.01	.001	<.01	<.001
15928	2.80	.082	.01	.001	<.01	<.001
15929	2.52	.074	<.01	<.001	<.01	<.001
15930	19.40	.566	<.01	<.001	<.01	<.001
15931	10.60	.309	<.01	<.001	<.01	<.001

Blackbird portal.

Certified by

P. Langtue

MIN-EN LABORATORIES

COMP: AVINO MINES
 PROJ: MATSON
 ATTN: J.MILLER-TAIT

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 2V-0209-RJ1
 DATE: 92/04/13
 * ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
15925	.1	17220	>10000	10	46	2.4	14	12930	.1	17	272	128000	1950	3	2650	42	1	980	1	1470	17	4	50	1	3742	69.2	16	1	6	4	76
15926	50.7	18350	>10000	14	35	3.6	1	2570	.9	22	875	149340	2180	29	7440	697	7	30	1	1770	>100000	138	9	1	129	78.6	5301	1	7	11	85
15927	24.5	16390	>10000	11	13	4.1	1	6190	.1	104	34	150870	850	33	15460	1784	1	10	21	510	15406	180	50	1	147	75.9	6402	1	8	14	97
15928	15.7	23950	>10000	10	41	3.4	1	9450	.1	66	179	122150	1140	55	23110	2880	1	20	43	700	10121	115	131	1	124	98.0	8305	1	6	17	130
15929	132.3	17020	>10000	20	21	4.1	5	1100	1303.5	153	127	157000	220	26	14190	1019	12	340	20	560	>100000	293	20	1	172	78.4	>100000	1	12	1	108
15930	202.0	3790	>10000	18	48	5.8	1	1720	770.6	88	583	276050	470	4	2330	199	1	4070	1	110	>100000	346	38	1	117	51.4	18887	1	11	22	57
15931	356.5	2390	>10000	14	49	4.8	1	680	1338.9	67	504	191370	240	2	1740	77	1	620	1	100	>100000	517	19	1	39	32.3	17182	1	12	21	70

Matson (Blackbird) Portal



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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3006

Metallic Assay Certificate

2V-0209-XM1

Company: AVINO MINES
Project: MATSON
Attn: J.MILLER-TAIT

Date: APR-23-92
Copy 1. AVINO MINES, GOLD BRIDGE, B.C.

We hereby certify the following Metallic Assay of 1 REJECT samples submitted APR-07-92 by J.MILLER-TAIT.

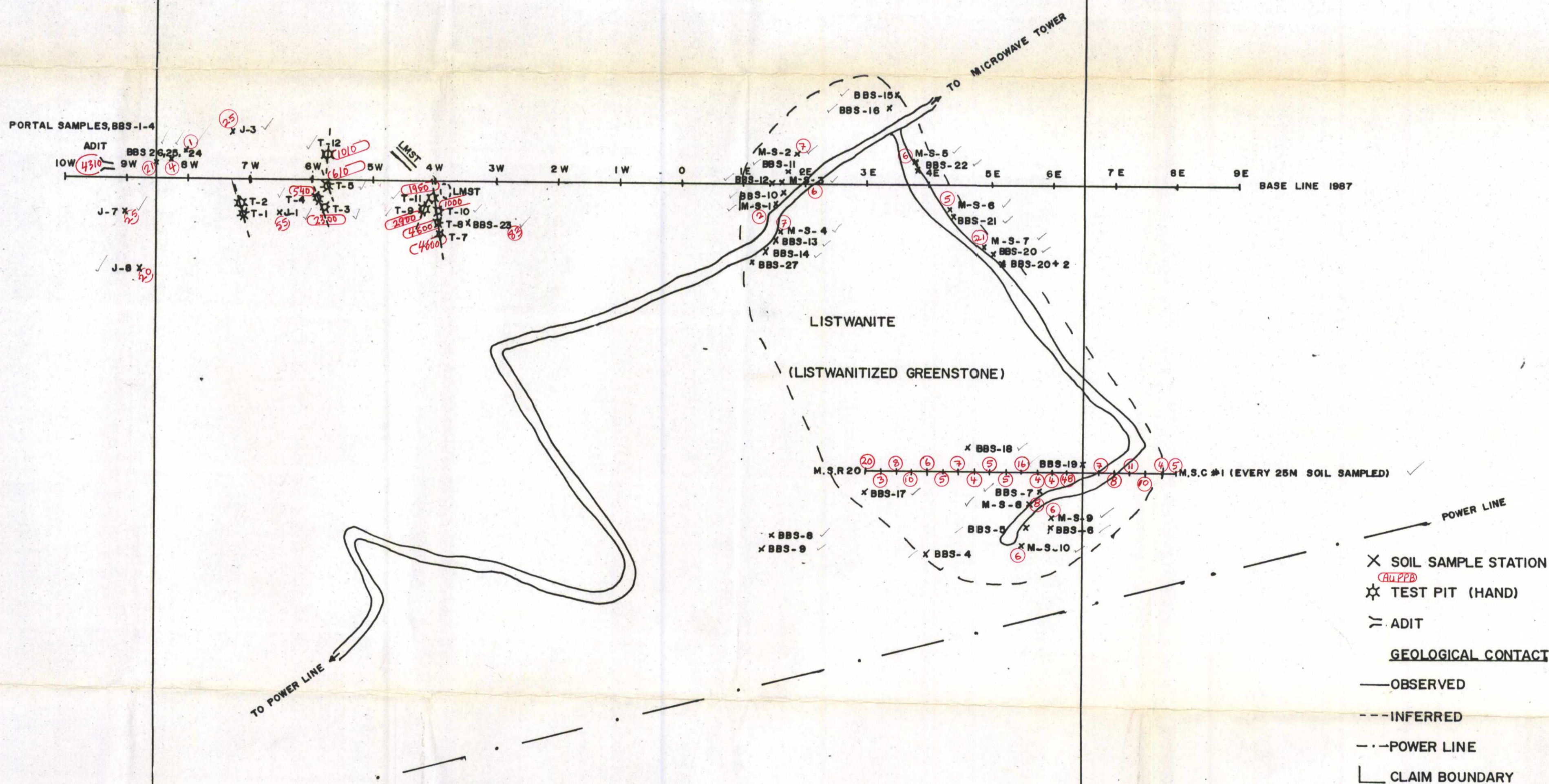
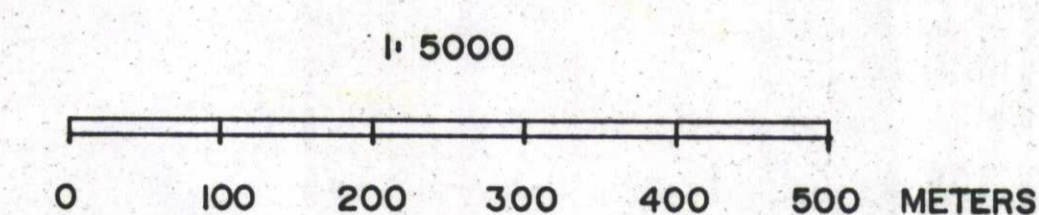
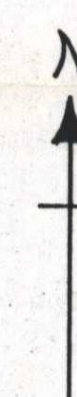
Sample Number	Total Wt (g)	+120 M Wt (g)	Assay Value Au		Total Weight Au		Metallic Au		Net Au	
			+120(g/t)	-120(g/t)	+120(mg)	-120(mg)	(oz/ton)	(g/t)	(oz/ton)	(g/t)
15927	1713	25.60	3.77	4.42	0.097	7.458	0.002	0.06	0.129	4.41

Blackbird Portal

Certified by _____

BLACK BIRD 1
307278
6S X 3E

BLACK BIRD 2
307279
6S X 3E



BLACK BIRD PROJECT	
BLACK BIRD 1	BLACK BIRD 2
1992 PROGRAM	
LILLOET MINING DIVISION	
BY: JMT / D.J	SCALE: 1:5000
DATE: DEC. 1, 1992	FIG. NO.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,689