

ORIGINAL

c/o W.M. SHARP,
BRITMONT MINES LIMITED
LOWER NICOLA, B.C.
JULY 7, 1962.

CONSOLIDATED MOGUL MINES LIMITED
SUITE 405-25 ADELAIDE ST. WEST
TORONTO 1, ONTARIO.

800907

ATTENTION: MR. S. A. PERRY, VICE-PRESIDENT

DEAR SIRS:

SUMMARY REPORT: PRELIMINARY EXAMINATIONS
AND EXPLORATORY WORK ON WELCO PROPERTY,
LYTTON AREA, B.C.

PRELIMINARY

THE PROPERTY WAS FIRST BROUGHT TO OUR ATTENTION BY J. R. WILLIAMS, ASSAYER, OF VANCOUVER FOLLOWING HIS RECEIPT AND ASSAY OF SAMPLES FROM THE OWNERS. ON APRIL 27TH LAST, A LETTER WAS DIRECTED TO J. C. COOPER OF LYTTON, REQUESTING PERMISSION TO EXAMINE THE SHOWINGS. BRIEF FIELD TRIPS, FOR PURPOSES OF MAPPING AND SAMPLING WERE MADE ON MAY 7TH, JUNE 1ST AND 27TH. THE PRESENT REPORT IS BASED ON INFORMATION ASSEMBLED DURING THESE THREE SEPERATE DAYS, AND IS ADMITTEDLY SCANTY DUE TO THE TIME TAKEN TRAVELLING IN AND OUT ON ONE-DAY TRIPS. FOR THIS REASON RECOMMENDATIONS FOR FUTURE WORK INCLUDE PROVISION OF A BASE CAMP AT THE PROPERTY, TO ALLOW AN UNINTERRUPTED PROGRAMME OF APPROXIMATELY ONE WEEK'S DURATION.

PROPERTY

THIS CONSISTS OF A GROUP OF 12 CLAIMS AT THE HEAD-WATER AREA OF THE EAST FORK OF 12MAN CREEK, AND WHICH WERE STAKED ON APRIL 4TH THIS YEAR BY J. C. COOPER AND R. WELCH OF LYTTON. CLAIMS WERE RECORDED AT KAMLOOPS ON APRIL 6TH.

ACCESS IS BY WAY OF A LOGGING ROAD FROM THE LYTTON-LILLOOET HIGHWAY 12 MILES NORTH OF LYTTON. AT A POINT FOUR MILES EAST OF THE HIGHWAY, THREE MILES OF STEEP TRAIL, FOLLOWING THE NORTH BANK OF THE EAST FORK OF 12MAN CREEK, LEAD TO THE SHOWINGS AT APPROXIMATELY THE 5500-FOOT ELEVATION.

EXISTING WORKINGS AND EXPOSURES ARE LOCATED ALONG THE SOUTH EDGE OF FLATTISH RIDGE TRENDING WNW, OR SUB-PARALLEL TO THE LOCAL FORMATIONAL TREND. SOUTHERLY SLOPES ARE GENERALLY STEEP AND OF BARE OUTCROP AND TALUS, OR HEAVILY WOODDED WITH FIR AND PINE.

SUFFICIENT WATER FOR CAMP PURPOSES IS AVAILABLE IN AN OLD SHAFT AT STATION #1. (MAP). WATER FOR DRILLING WOULD HAVE TO BE PUMPED VIA PIPE-LINE FOR $\frac{1}{2}$ TO $\frac{3}{4}$ MILES.

OLD WORKINGS CONSISTED OF TWO DEEP ROCK CUTS ON THE HILL SLOPE, A SHALLOW PROSPECT SHAFT, AND A 100-FT LONG PROSPECT TUNNEL LOCATED 1500 WEST OF THE OPEN-CUT AREA.

CURRENT WORK

FOLLOWING AN OPTION AGREEMENT (LETTER) DRAWN UP BY MESSR'S. FORMAN AND COOPER, THE OWNERS HAVE CLEANED OUT OLD OPEN-CUTS AND EXCAVATED FOUR NEW CUTS ON A MINERALIZED SHEAR-ZONE WITHIN THE TALUS AT THE FOOT OF THE WNW-TRENDING SCARP WHICH PROVIDES THE MAIN

EXPOSURES. IN ADDITION, THE OWNERS HAVE AGREED TO DO SOME CROSS-TRENCHING ON THE SKARN BAND BETWEEN MAP STA'S #1 AND #11, TO INVESTIGATE DIP-NEEDLE 'HIGHS' ALONG THIS SECTION.

GEOLOGY

MINERALIZATION OCCURS WITHIN VALIABLY ALTERED SEPTA OF 'NICOLA' OR 'CACHE CREEK' VOLCANIC ROCKS OCCURRING WITHIN THE NORTHWESTERY-TRENDING PRONG OF THE LYTTON BATHOLITH OF OLDER INTRUSIVES. THE MIXED VOLCANIC ASSEMBLAGE - CONSISTING OF ANDEITIC FLOWS & TUFFS WITH INTERCALATED GRAYWACKES AND LIMESTONES - HAS A GENERAL NORTHWESTERLY TREND WITH STRONG LOCAL FLEXURES ON A W-NW TREND. FLEXURING, WITH ATTENDANT CROSS-SHEARING AND FRACTURING, PROBABLY FORMS A STRUCTURAL CONTROL FOR ALTERATION AND MINERALIZATION. HOWEVER, THE NATURE OF THIS CONTROL HAS NOT YET BEEN DEFINED FROM THE LIMITED AMOUNT OF FIELD WORK THUS FAR ACCOMPLISHED.

OF PARTICULAR INTEREST IS THE APPARENT ASSOCIATION OF MAGNETITE, PYRRHOTITE, PYRITE, ETC WITH COPPER MINERALIZATION OCCURRING WITHIN ALTERED BANDS OF ROCK. THE FEW DIP-NEEDLE READINGS TAKEN TO DATE SHOW MARKED 'HIGHS' IN THE STA. #1 - #11 SECTION.

THE MINERALIZED SHEAR ZONE (STA'S #1 - #4 & EXTENSIONS) IS PROBABLY NOT OF MAJOR IMPORTANCE AS AN ORE STRUCTURE. THE MAIN ORE POTENTIAL NOW APPEARS TO LIE WITHIN POSSIBLE COPPER-IRON DISSEMINATIONS ALONG THE FORMATIONAL-TREND OF THE VOLCANIC-SEDIMENTARY INCLUSIONS.

MAPPING & SAMPLING

THESE ARE ADEQUATELY SHOWN ON THE ENCL. 40-SCALE MAP.

NOTHING OF ECONOMIC GRADE AND WIDTH HAS BEEN FOUND TO DATE, BUT THE POTENTIAL OFFERED BY A ZONE SEVERAL HUNDREDS OF FEET WIDE AND A MILE, OR MORE, IN LENGTH APPEAR TO BE A SUFFICIENT BASIS FOR RECOMMENDING ADDITIONAL EXPLORATION OF A GEOLOGICAL-GEOPHYSICAL NATURE.

EARLY WORK, ALL DONE PRIOR TO THE EARLY 1920'S, APPEARS TO HAVE BEEN AIMED AT THE DEVELOPMENT OF ASSOCIATED QUARTZ VEINS FOR POSSIBLE GOLD CONTENT, RATHER THAN AS A SEARCH FOR LARGER SULFIDE DISSEMINATIONS.

NO GEOLOGICAL-GEOPHYSICAL WORK OF MAJOR SCOPE HAS BEEN DONE BY MINING COMPANIES WITHIN THIS AREA. WELL-MINERALIZED 'FLOAT' IS FOUND AT WIDELY-SCATTERED SECTIONS OVER THE GROUP.

RECOMMENDATIONS


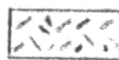




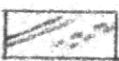
1. SET UP BASE CAMP AT WORKINGS, IN CONJUNCTION WITH OWNERS, WITH SUPPLIES ADEQUATE FOR APPROX. ONE WEEK.
2. SET OUT WNW BASE-LINE, WITH 3000-FT CROSS-GRID LINES AT 200'/400 CENTERS OVER LENGTH OF CLAIM GROUP.
3. RUN DIP-NEEDLE SURVEY OVER GRID, EMPLOYING 'RECONNAISSANCE' AND 'DETAILED' SPACING AS REQUIRED, AND COMPILE GEOLOGICAL DETAILS AT SAME TIME.
4. ASSESS RESULTS AND DECIDE ON POSSIBILITIES OFFERED BY ADDITIONAL GEOPHYSICAL OR SIMPLE PHYSICAL WORK. NOTE CURRENT LOGGING OPERATIONS MAY EVENTUALLY GIVE EASIER ACCESS.
5. THE COST OF THIS PROGRAM, INCLUDING STAFF SALARIES IS TENTATIVELY ESTIMATED AT \$900⁰⁰.

MR. S. A. PERRY - 1
" H. D. FORMAN - 1
FILE - - - 2
ENCL. MAP.

RESPECTFULLY SUBMITTED,
W. M. Sharp
ENGINEER.

1" - 4" QZ w SP. CU. STAIN
 3" QZ w LIGHT CU STAIN
 10" - 12" QZ. w LIGHT CU. STAIN 70

LEGEND

-  GREEN (ANDESITIC) TUFFS
-  "SKARN" - VARL. EP-CHLOR-QZ-
-  FRACTURING - SHEARING
-  QUARTZ (PROMINENT).
-  SIGNIFICANT ACT'N. - EP-CHLOR
-  "BEDDING" ATTITUDES
-  COPPER MINERALIZATION.

OVERBURDEN

APPROX. LOC'N LINE
 LOC. ATTRACTION - COMPASS DEVIATION

QZ - CCT-EP. SKARN
 w. APPROX'L MT. & MINOR
 CPY. PYRRH. PY.

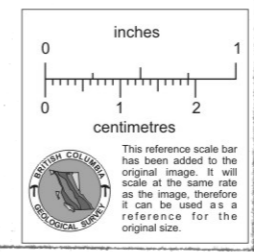
DIP-NEEDLE 'HIGHS'

ASTRO.

SAMPLE SCHEDULE

NO.	WIDTH	AU. OZ.	AG. OZ.	CU %	REMARKS.
17017	4.5'	0.005	2.70 0.27	0.90	SOFT, OX. CHOR. SHEAR; STRONG OX-CU.
17018	3.5'	0.005	2.00 0.20	0.65	AS ABOVE, WITH MORE QUARTZ.
17022	2.5'	0.005	0.15	0.65	SOFT, OX. CHLOR SHEAR w. QZ & OX-CU.
17023	3.0'	TR.	0.15	0.27	TIGHT SHEAR, OX. CHLOR. w SP. OX-CU.
17024	3.5'	TR.	TR.	N.A.	MASSIVE QUARTZ, SP. MIN'N.
17025	10.0/5.0'	TR/TR	TR/TR	0.47/0.90	SECT'S. STRONG OX-CU 5' F.W.; SP. 5' H.W.
17026	5.25'	0.01	0.10	0.60	SOFT OX. CHLOR. FAIR OX-CU.
17027	4.25'	0.005	0.20	0.60	" " " SECTIONS GOOD OX-CU.
17028	2.5'	TR.	0.15	0.15	TIGHTLY SHEARED - BROKEN, SP. OX-CU
17029	2.5'	0.005	0.20	0.80	FIRM LIGHTLY OX-CHLOR; FAIR FRESH CPY.
17030	4.0'	-	0.20	0.75	COMPOSITE 17017/17018 TO CHECK AG.

TOTAL (A) 4.4' x 300' @ 0.54% --- FULL CONTINUOUS LENGTH
 (B) 4.4' x 110' @ 0.005 0.15 0.73% --- LENGTH INCL. 17022 - 17027



PRELIMINARY
WELCO PROSPECT
 BRUNTON-TAPE SURVEY.
 SCALE: 1" = 40' JUNE, 1962.
 FIELD WORK AND PLAN-W.M.S.