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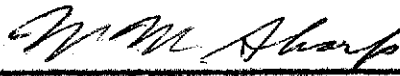
May 8, 1970

President & Directors,
Kennedy Silver Mines Ltd. (N.P.L.),
Suite 826 - 470 Granville Street,
Vancouver 2, B.C.

Gentlemen:

The accompanying "Geological and Geochemical Report, Dal-LilywAgape' Group, Vancouver Mining Division has been compiled, as ordered, for submission to the Mining Recorder, Vancouver Mining Division as evidence that the stated value of acceptable exploratory work, to be filed for credit towards the nominal annual assessment of \$100 per claim, has been accomplished.

Respectfully submitted,



W.M. Sharp, P. Eng.,

GEOLOGICAL AND GEOCHEMICAL REPORT

DAL-LILY-AGAPE' GROUP

located

6 miles E.S.E. of Squamish, B.C.

Lat. 49°-40' N., Long. 123°-01' W.

VANCOUVER MINING DIVISION

by

W.M. SHARP, P. Eng., B.C.

for

KENNEDY SILVER MINES LTD. (N.P.L.),

VANCOUVER, B.C.

between

September 15, 1969 and May 2, 1970

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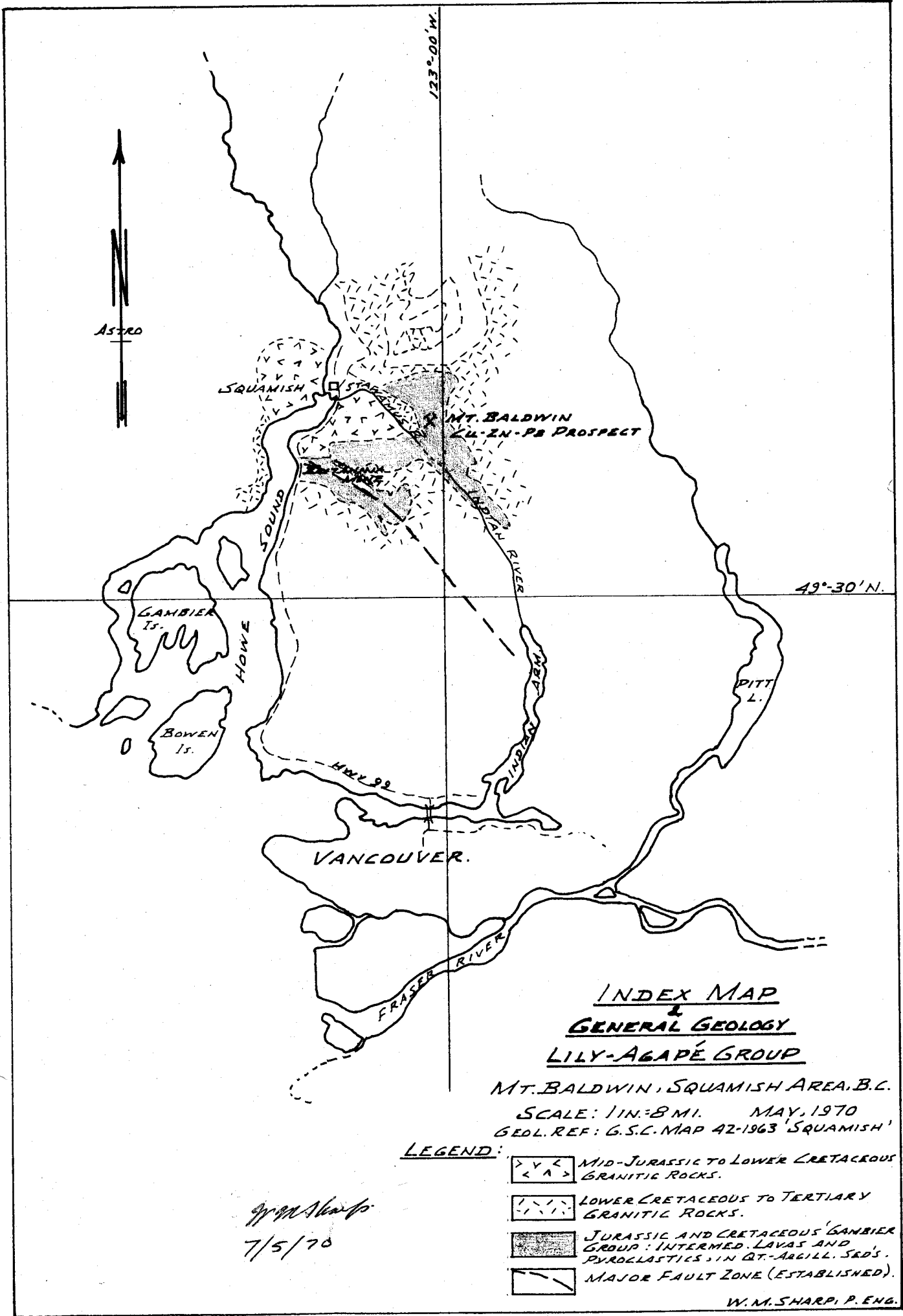
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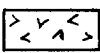
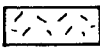


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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2373** MAP.....



**INDEX MAP
&
GENERAL GEOLOGY
LILY-AGAPÉ GROUP**

MT. BALDWIN, SQUAMISH AREA, B.C.
SCALE: 1 IN. = 8 MI. MAY, 1970
GEOLOGICAL REF: G.S.C. MAP 42-1963 'SQUAMISH'

- LEGEND:**
-  MID-JURASSIC TO LOWER CRETACEOUS GRANITIC ROCKS.
 -  LOWER CRETACEOUS TO TERTIARY GRANITIC ROCKS.
 -  JURASSIC AND CRETACEOUS GAMBIER GROUP: INTERMED. LAVAS AND PYROCLASTICS; IN QTZ-ARGILL. SED'S.
 -  MAJOR FAULT ZONE (ESTABLISHED).

W.M. Sharp
7/5/70

W.M. SHARP, P. ENG.

INTRODUCTION

Preparatory work, geochemical soil surveys, and geological mapping were accomplished on the Dal No. 1 and some of the adjoining Lily and Agape' located claims, at intermittent periods between September 15, 1969 and May 2, 1970.

The Kennedy Silver Mines Ltd. Mt. Baldwin property comprises the Main #1-#5 inclusive, Lily #1-#4 inclusive, Agape' #1-10 inclusive, and Dal No. 1 located claims. Exploration described and summarized in this report pertains to all claims except Main #1 - #5 - the latter being in current good-standing by virtue of physical work accomplished and recorded prior to their September 25, 1969 anniversary date. The position and record numbers of the respective claims comprising the Dal-Lily-Agape' group are shown on accompanying Drawings No. 1 and No. 2. This group is owned by Kennedy Silver Mines Ltd. (N.P.L.) of Vancouver, B.C. The record date of the Lily and Agape' claims is May 12, 1969; that of Dal No. 1 mineral claim is November ³15, 1969.

*W.M.D.
p.w.*

The claim block centers on a point lying some 6 miles E.S.E. of Squamish, B.C. It encompasses the summit of Mt. Baldwin, but it's main extent is to the southeast of it.

From Squamish the claims are reached via the Mamquam River road and Raffuse Creek branch logging road, for a total distance of approximately 10 miles. As the Raffuse Creek road terminates at a point closely within the northeast corner of the claims group, secondary access is provided by foot-trails up the east slope and along the general crest of the ridge. The local topography is reasonably well depicted by contours and drainage features on the accompanying maps - these being based on a 10.42X photo-enlargement of parts of the 1:50,000 scale maps 92G/10 West and 92G/11 East. Generally steep slopes and heavy underbrush make for slow and difficult ground access conditions.

FIELDWORK

Minor trail repairs and all required survey-line preparatory work were carried out by A. Shemko of Squamish, B.C. and S. Fegan of Vancouver, B.C., under

the general supervision of W.M. Sharp, P. Eng. of North Vancouver, B.C. between September 15-30, 1969. All Geological mapping and geochemical soil-sampling were accomplished by W.M. Sharp, P. Eng., with field assistance provided by Messrs. Shenko and Fegan, between October 4, 1969 and May 2, 1970.

All surveys originated from reference points established with reference to obvious local topographic features, supported by compass resections on more distant prominent topographic features. Two such points were established at elevations (aneroid) 3150 and 3640 feet at points where the Raffuse Creek access road situates close to the claims group. From these points control for geological mapping and geochemical soil-sampling was carried by Brunton compass and tape, and altimeter; in addition the traverses were tied to, and locally adjusted with respect to such claim posts, claim lines, and recognizable topographic points as were encountered. Survey lines and stations are shown on the accompanying geological and geochemical survey maps.

The geological and soil-sample traverses were mapped on field sheets at scales of 1" = 200' and

1" = 400', and subsequently combined for plotting on the 400-scale maps accompanying this report.

For the most part the traverses were positioned for maximum geochemical effectiveness in respect to testing inferred southeasterly extensions of the various mineralized shear zones known to occur within the northerly-adjointing ("McVicar") Crown-granted claims group; consequently, these were run contour-wise within areas adjudged to be down-slope of inferred extensions of principal copper and zinc-bearing shear-lodes.

Soil-samples were taken as near as possible to traverse stations via a 1 inch by 3 foot ship-auger. The brown soil horizon (B-zone, or it's near equivalent) closely underlying the organic top cover was sampled; this layer occurs at depths ranging from a few inches to a maximum of about 2 feet. All samples were field-packaged in standard high wet-strength kraft paper bags, and each designated by the local survey station number. Of 82 soil-samples taken, 77 lie within the Dal-Lily-Agape' claim group.

All soil samples were submitted to the Bondar, Clegg & Company Ltd., North Vancouver, B.C., laboratory for preparation and analysis. Samples

were dried in "infra-red" ovens on contamination-free aluminum shells, and then screened through 80-mesh stainless steel sieves - the undersize being reserved for analysis, and the over-size fraction rejected. Next, standard (weight) portions of each sample were digested in hot HNO_3 -HCL acid. The resulting solution was then 'bulked' to 20 percent total acid, and analyzed by atomic absorption - the latter being controlled by comparison with 'matrix' and synthetic standards. The results were reported in parts per million (p.p.m.) total copper and zinc. These results are plotted on accompanying Dwg. No. 2; areas containing apparently-anomalous amounts of copper and/or zinc are delineated.

Geological mapping of outcrops included determinations of rock-type, alteration, mineralization, and bedding and fracture attitudes - the last-named fracture being noted where discernible. Similar observations-excluding attitude determinations-were made of occasional occurrences of local bedrock float.

GENERAL GEOLOGY

The Mt. Baldwin claims area and region is underlain by rocks of the Jurassic (and Cretaceous?)

Gambier Group. Regionally, the lithologic section comprises a folded and faulted layered-sequence of predominantly-andesitic fine, to coarse-textured pyroclastic rocks, andesite, argillite, chert, greywacke, quartzite, etc. Regional strikes are north-westerly, and dips steeply northeasterly and southwesterly. The layered rocks are enclosed and intruded by mafic-rich and mafic-deficient granodiorite, quartz diorite, diorite, and acidic and basic facies of the general Jura-Cretaceous Coast Crystalline Complex.

Within the Mt. Baldwin area the Gambier Group rocks occur as part of a complex roof pendent within a more general intrusive environment; as a consequence, some of the layered rocks have been thermally and dynamically metamorphosed to chloritic, talcose, calcareous, or siliceous schists, phyllites, or granulites.

The regional mineralization involves fracture-filling and disseminated pyrite, chalcopyrite, sphalerite, and galena within simple veins or complex shear-lodes.

LOCAL GEOLOGY

As mapping to date within the Dal-Lily-Agape'-Group has been localized to rather widely-sep-

arated ridge-line, and east-slope traverses - the latter intercepting very few bedrock outcrops - too few exposures are thus fair available for more than very preliminary geological interpretations. However, the few exposures encountered suggest that typical formational units occurring within the "McVicar" claims block extend southerly and/or southeasterly into the Dal-Lily-Agape' claims group. These include more-or-less mixed sections of massive or slightly fissile, andesitic to felsic lavas and tuff, and chloritic, talcose, siliceous, and/or feldspathic schists. Within at least two separate geological sections the afore-named assemblages contain significantly-wide dykes or lenses of hornblende-granodiorite. The local formational trend is about N25°W; dips are near-vertical, with an apparent majority of them to the northeast.

To date, direct evidence of mineralization is limited to fairly frequent occurrences of disseminated pyrite in schist, and the few occurrences of Cu-Zn mineralization in pyritized fissile tuff and schist near the north boundary of Dal No. 1 mineral claim.

GEOCHEMISTRY RESULTS

In view of the preliminary (reconnaissance) nature of the soil surveys, and the resulting relatively

small number of individual soil-copper and zinc analyses, a statistical evaluation and/or segregation of the total data is not, in the writer's opinion, warranted. However, a visual appraisal of the geochemical results suggests that total Cu and Zn background values are probably in the vicinity of 50 parts per million (p.p.m.). Similarly the 'anomalous' range for these metals would appear to be at least twice the above-noted 'background' value-or 100-plus p.p.m. On these bases it is possible to define a significant, apparently-continuous Cu-Zn soil anomaly extending southeasterly from the 'McVicar', or north boundary of Dal No. 1 mineral claim through Agape' #10.

CONCLUSIONS

Local intervals of the gross anomaly with Cu and/or Zn values ranging between 100-500 p.p.m. suggest the presence of significant bedrock Cu and/or Zn mineralization within, or up-slope of the respective intervals. Some, but not all of values in, or exceeding the upper parts of the 100-500 p.p.m. range may be due to abnormal accumulations of Cu and/or Zn in soils with a relatively higher proportion of organic

material. On the basis of the known Cu and Zn mineralization within the 'McVicar' (Crown-grant) claim block, the likelihood that the strong host structures extend southeasterly and the presence of a more-or-less continuous series of anomalous Cu and Zn values on and/or paralleling strike-projections of the known 'McVicar' Cu-Zn mineralization, the writer infers that similar mineralization extends into the Dal-Lily-Agape'-claim group.

Respectfully submitted,



W.M. Sharp, P. Eng.

North Vancouver, B.C.

May 8, 1970

STATEMENT OF PERSONNEL, FIELDWORK, & COSTS

(average field-day = 10 hours, including 2 hours of travel time.)

A. Shenko: Sept. 15-30, 1969 - opening trails & cutting survey line ----- 8 days
Oct. 4/69 - geological Assistance ----- 1 day
Oct. 12/69 - Soil-sampling Assistance ---- 1 day
Oct. 26/69 - Soil-sampling Assistance ---- 1 day
Nov. 15/69 - Soil-sampling Assistance --- 1 day
May 2/70 - Soil-sampling Assistance ----- 1 day

S. Fegan: Sept. 26/69 - Clearing survey line 1 day
Oct. 4/69 - soil-sampling assistance 1 day
Oct. 12/69 - Soil-sampling & survey Assistance ----- 1 day
Oct. 26/69 - Survey & soil-sampling Assistance ----- 1 day
Nov. 15/69 - Survey & soil-sampling Assistance ----- 1 day
May 2/70 - Survey & soil-sampling Assistance ----- 1 day

W.M. Sharp, P. Eng.

Oct. 4-12-26, 1969, Nov. 15, 1969 and May 2, 1970 - Geological and geochemical surveying and supervision ----- 5 days
May 4, 7/70 - report & map preparation ----- 4 days

W.M.A.

Wages & Fees

A. Shenko, 13 days @ \$35.00	\$ 455.00
S. Fegan, 6 days @ \$35.00	210.00
W.M. Sharp: 5 days @ \$100.00	500.00
4 days @ \$65.00	<u>260.00</u>
	\$1425.00

Vehicle rentals:

A. Shenko, 12 days @ \$8.00	\$ 96.00
S. Fegan, 530 miles	53.00
W.M. Sharp, 400 miles	40.00

Survey flagging, 4 rolls @ \$1.00	<u>4.00</u>	193.00
Total Costs - - - -		\$1618.00

W. M. Sharp

Declared before me at the City
of Vancouver, in the
Province of British Columbia, this 8
day of May 1970, A.D.

J. M. Laws

Accountant

Sub-mining Recorder

**BONDAR-CLEGG & COMPANY LTD***geologists • geochemists • analysts***1500 PEMBERTON AVENUE, NORTH VANCOUVER. B.C.****Phone 988-5315**

EXTRACTION: HNO_3 -HCl REPORT NO.: 29-455
METHOD: Atomic Absorption DATE: April 24, 1970
FRACTION USED: -80 mesh TO: Mr. W. M. Sharp

SAMPLE NO.	Cu ppm	Zn ppm
K 00	120	265
K 100	42	71
K 200	20	89
K 300	37	80
K 400	75	110
K 500	40	82
K 600	50	80
K 700	78	140
K 800	84	128
K 900	159	265
K 1000	53	22
K 1100	97	158
K 1200	715	815
K 1300	97	140
K 1400	37	73
K 1500	96	265
K 1600	100	245
K 1700	95	296
K 1800	114	212
K 1900	205	373
K 2000	44	42
K 2100	37	54
K 2200	28	31
K 2300	35	395
K 2400	35	60

April 24, 1970

Page Two

Mr. W. M. Sharp

SAMPLE NO.	Cu ppm	Zn ppm
K 2500	42	87
K 2600	48	85
K 2700	44	66
K 2800	75	97
K 2900	115	90
K 3000	30	120
K 3100	40	116
K 3200	49	158
K 3300	44	145
K 3400	60	154
K 3500	27	70
K 21	32	70
K 22	300	467
K 23	310	458
K 24	149	259
K 25	120	245
K 26	133	180
K 27	135	219
K 28	90	110
K 29	785	473
K 30	182	310
K 31	95	70
K 32	46	96
K 33	IS	IS
K 34	70	71
K 35	62	100
K 36	48	77
K 37	110	133
K 38	34	85
K 39	50	77
K 40	65	85
K 41	38	115
K 42	38	100
K 47	30	70
K 48	225	99
K 49	21	26
K 62	115	163

NOTE: IS - denotes Insufficient Sample

Certified by Ken Bright
 BONDAR-CLEGG & COMPANY LTD.
 Ken Bright.

**BONDAR-CLEGG & COMPANY LTD.***geologists • geochemists • analysts*

1500 PEMBERTON AVENUE, NORTH VANCOUVER. B.C.

Phone 988-5315

EXTRACTION: Hot Aqua Regia
METHOD: Atomic Absorbtion
FRACTION USED: - 80 Mesh
ANALYST: K. Bright

May 6, 1970

REPORTED TO: Mr. W. Sharp
171 West Esplanade
North Vancouver, B.C.

<u>SAMPLE NO.</u>	<u>Cu</u> <u>ppm</u>	<u>Zn</u> <u>ppm</u>
B-0	40	73
B-1	30	70
B-2	80	98
B-3	95	145
B-4	32	80
B-5	60	70
B-6	62	110
B-7	62	110
B-8	125	250
B-9	135	220
B-10	135	200
B-11	78	195
B-12	37	120
B-13	135	255
B-14	105	250
B-15	130	50
B-16	98	55
B-18	480	175
B-19	60	250
B-20	26	110

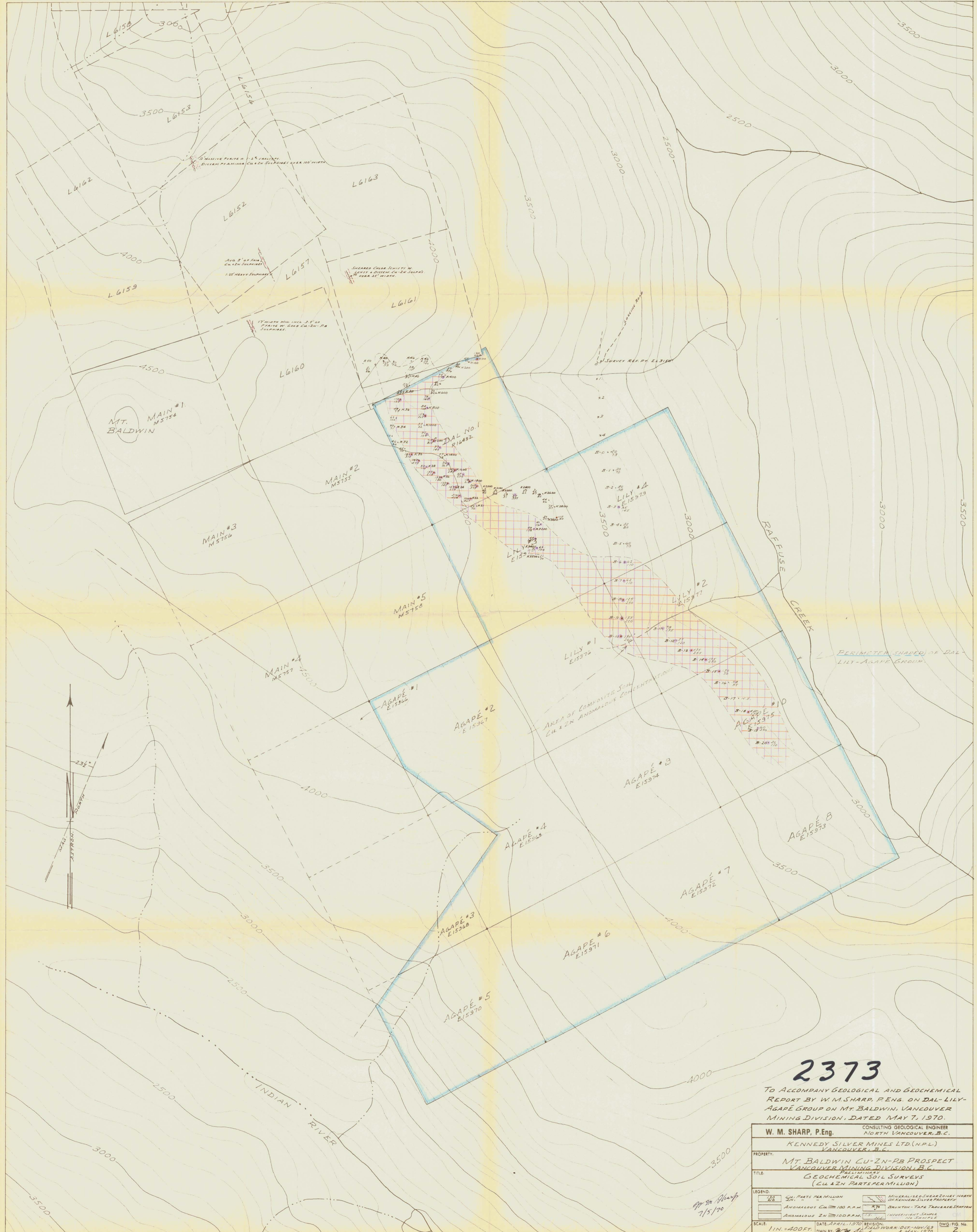
CERTIFIED BY:

BONDAR CLEGG & COMPANY LTD.

Ken Bright, Geol. E.

Geochemical Laboratory Supervisor

A P P E N D I X



2373

To ACCOMPANY GEOLOGICAL AND GEOCHEMICAL REPORT BY W. M. SHARP, P. ENG. ON DAL-LILY-AGAPÉ GROUP ON MT. BALDWIN, VANCOUVER MINING DIVISION, DATED MAY 7, 1970.

W. M. SHARP, P. Eng.		CONSULTING GEOLOGICAL ENGINEER NORTH VANCOUVER, B.C.	
KENNEDY SILVER MINES LTD. (N.P.L.) VANCOUVER, B.C.			
PROPERTY: MT. BALDWIN CU-ZN-PB PROSPECT VANCOUVER MINING DIVISION, B.C.			
TITLE: GEOCHEMICAL SOIL SURVEYS (CU & ZN PARTS PER MILLION)			
LEGEND:	750 500	SOIL PARTS PER MILLION ANOMALOUS CU ≥ 100 P.P.M. ANOMALOUS ZN ≥ 100 P.P.M.	MINERALIZED ZONE NORTH OF REDDEN-TRESE PROPERTY BRUNTON-TAPE TRAVERSE STATION INSUFFICIENT SAMPLE NO STRIKE
SCALE:	1 IN. = 400 FT.	DATE: APRIL, 1970 DWN BY: W.M. SHARP	REVISION: FIELD WORK - OCT-NOV/69 & MAY, 1970 DWG. FIG. No. 2

W.M. Sharp
7/5/70

