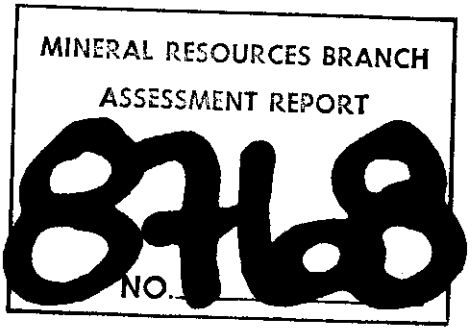
'80 #1052 #8768

EXPLORATION SUMMARY
CATSPAW CLAIM - BOWSER-UNUK PROJECT
NORTHERN BRITISH COLUMBIA
SKEENA MINING DIVISION
NTS 104B/8E
56°18'N 130°05'W

FOR

E & B EXPLORATIONS LTD.



Owners:	E & B Explorations Ltd.
Contractor:	Can-Lake Explorations Ltd.
Author:	E.R. Kruchkowski, Geologist
Date:	April, 1981

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SUMMARY

The Catspaw Claim is located approximately five kilometers north of the Granduc Millsite and 39 kilometers north of Stewart, British Columbia in the Skeena Mining Division. The claim is located over the former Portland group of claims explored during the 1940's for gold within quartz veins.

During the period May to August 1980, a geologic mapping and prospecting program was conducted in order to evaluate the gold - silver potential of the claim. The work was contracted to Can-Lake Explorations but due to weather conditions, snow still covering the ground in early July, heavy rain falls and deep fog, only part of the staked property was investigated. Failure by the contractor to locate the previous underground workings and showings led to a brief on-site investigation by an E & B Explorations' geologist.

Sampling and mapping by E & B Explorations has shown that significant quantities of gold are associated with quartz filled shears. Assays ranging from 0.014 to 2.288 oz. Au/ton and 0.12 to 2.53 oz. Ag/ton were obtained during grab sampling of sulphide bearing quartz.

Further work is recommended on the property toward defining the limits of the gold bearing quartz veins. Such a program would include soil geochemistry, geophysical surveys, prospecting and diamond drilling.

INTRODUCTION

The gold-silver potential of the former Portland group was evaluated during the period May to August 1980. The program conducted over a portion of the Catspaw claim consisted of geological mapping, prospecting and stream panning. This program was conducted by Can-Lake Explorations during May to June and July to August. Failure by Can-Lake Explorations to locate the previous underground workings resulted in a brief program by E & B Explorations consisting of prospecting, pace and compass surveys, mapping and sampling in the vicinity of the old mine workings.

Location and Access

The Catspaw property is located at 56°17' latitude and 130°05' longitude, approximately 3.5 kilometers northwest of the Tide Lake airstrip and Granduc Mine Road and 39 kilometers north of Stewart, British Columbia, in the Skeena Mining Division. Figure 1 shows the location of the mineral property.

Access to the vicinity of the property is either on the all weather Granduc Mine access road 3.5 kilometers southeast of the property or by Bell 206 helicopter based in Stewart, British Columbia.

Physiography and Topography

The Catspaw claim lies entirely within the Boundary Ranges of the northern Coast Mountains. The region is one of complex mountainous topography at a stage of early maturity. The topography in the vicinity has considerable relief with ridge crests and peaks

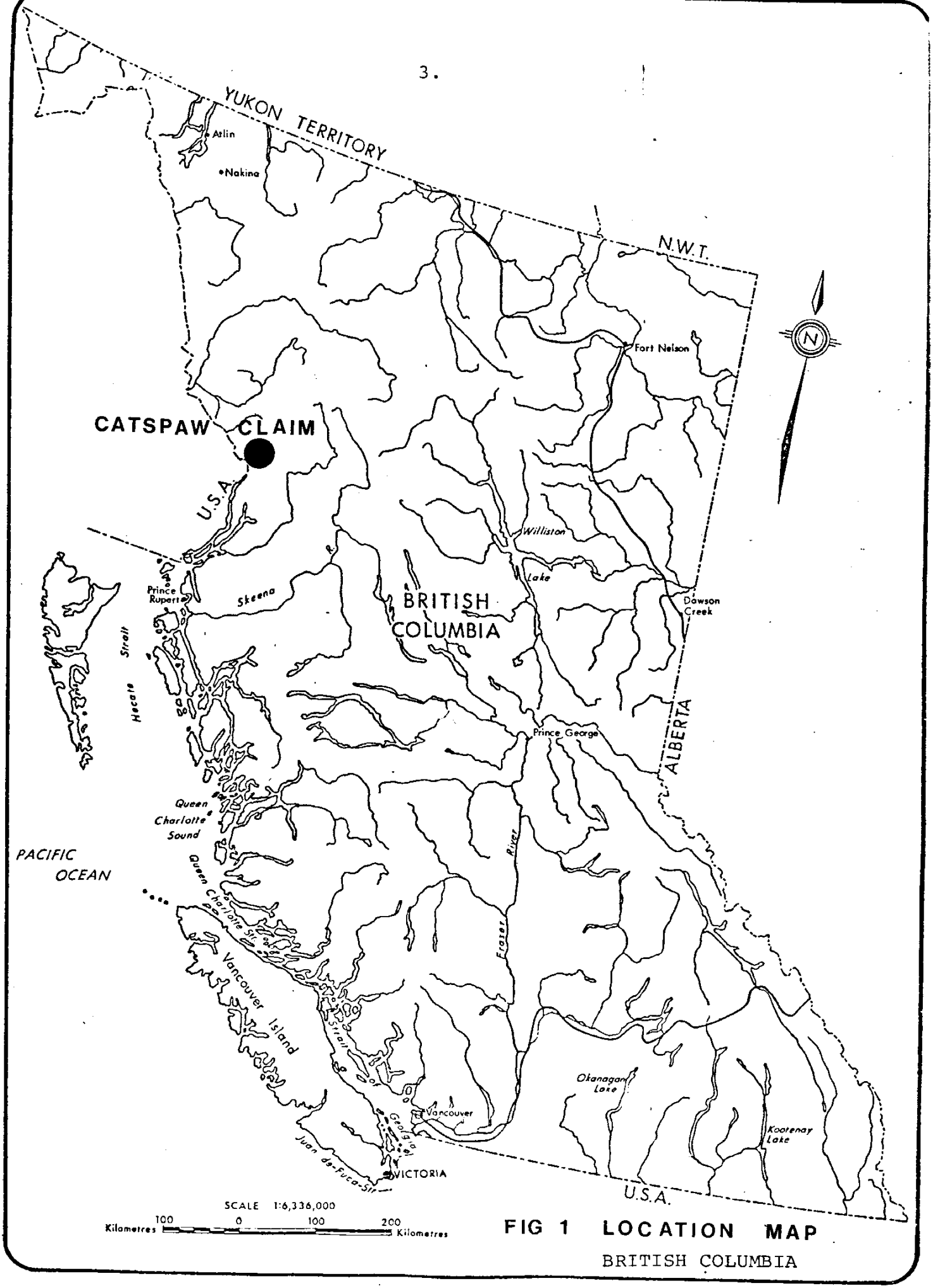


FIG 1 LOCATION MAP

BRITISH COLUMBIA

1200 to 1800 meters above deeply incised glacier filled valleys.

Elevations on the property vary from approximately 700 meters to 1500 meters with precipitious slopes present above the glacier located within the central portion of the claim.

The timberline lies within 1050 to 1200 meters - below this level, heavy timber, alders and willows are present while above the treeline the country is parklike with alpine vegetation.

Creeks draining the property flow into the Bowser River located just below the property.

Personnel and Operations

Can-Lake Explorations Ltd. personnel present during the summer exploration program were as follows:

R. Arnold, field geologist	-	May 25 - July 3,1981 July 16 - August 5,1981.
P.Pope, junior assistant	-	May 25 - July 3,1981 July 16 - August 5,1981.

E & B Explorations Ltd. involved in the program were as follows:

E.R. Kruchkowski, geologist	-	May 25 August 12 to 17, 1981.

Can-Lake Explorations Ltd. mobilized the personnel out of Calgary, Alberta via scheduled air flight by C.P. Air to Prince Rupert and by T.P.A. to Stewart. Camp equipment and gear was mobilized out of

Calgary, via rented truck. All equipment, supplies and personnel were transported to the job site by a Vancouver Island helicopter Bell 206 based in Stewart.

Communications with other Can-Lake camps in the area, Stewart and other southern centers was maintained utilizing Marconi CH100 radios with company and B.C. Telephone frequencies.

Supplies and materials for the job were purchased in Stewart and ferried to the job via the Bell 206 helicopter.

Property Ownership

The property consists of 1 modified grid staking claim composed of 16 units. The claim record No. 2004A is 100 percent owned by E & B Explorations Ltd. The claim was staked December 17, 1979 and recorded January 9, 1980. Figure 2 shows the location of the mineral disposition.

Previous Work

The first recorded work on the former Portland Group (Catspaw Claim) appears to have occurred during 1939. Exploration on this group was to a great degree influenced by the discovery and subsequent mining of electrum on the East Gold property in the period 1939 to 1945.

During 1939, the owners of the claim, dug a series of pits to expose quartz veins present on the property. In 1940, development by the Premier Gold Mining Company consisted of a 162 foot adit, a 10 foot adit and ten open cuts. Subsequent to this work no exploration efforts appear to have been conducted on these showings.

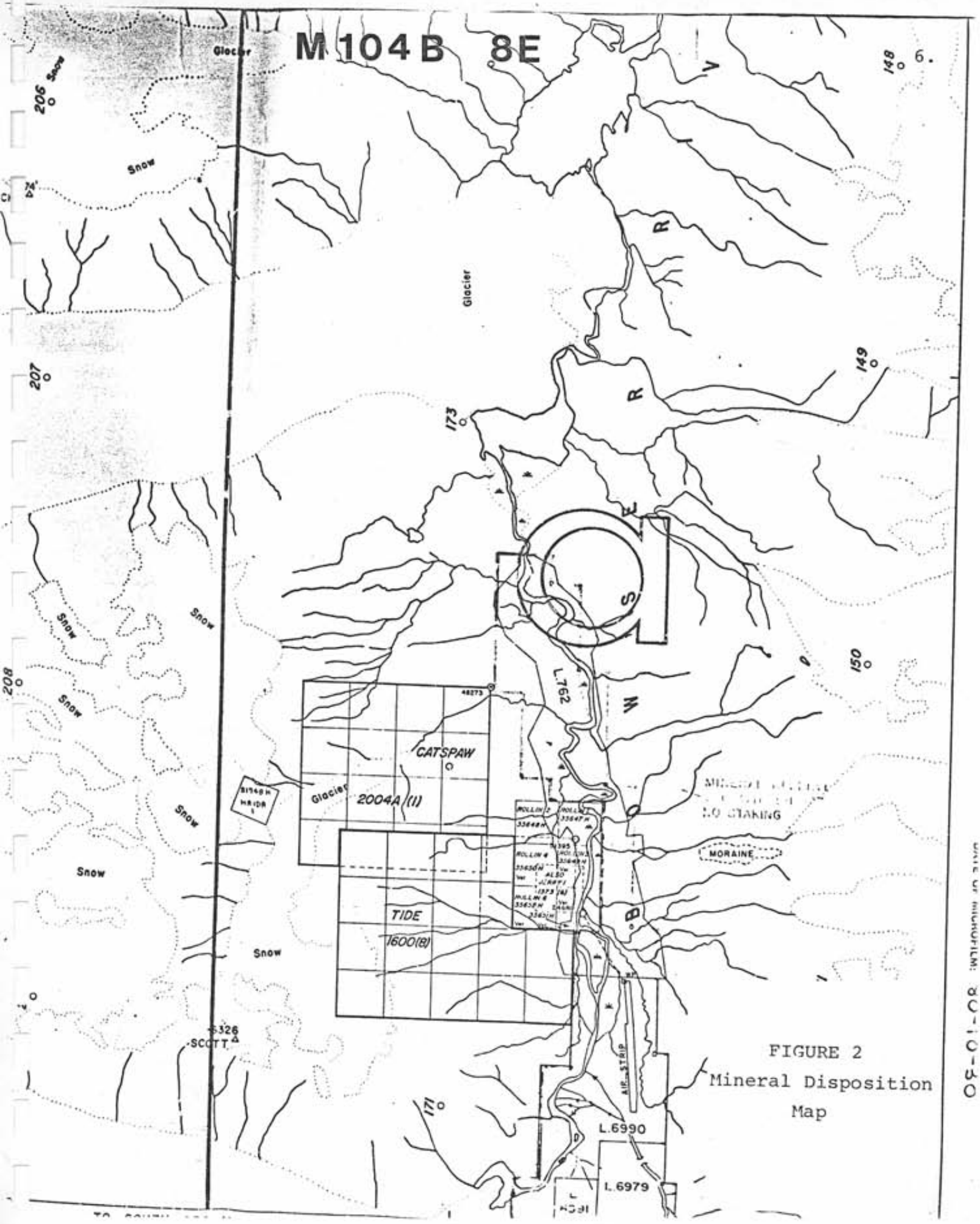


FIGURE 2
Mineral Disposition
Map

GEOLOGY

Regional Geology

The Catspaw claim lies in an area encompassing two main elements of northwestern British Columbia. It is east of the main Coast Crystalline Complex and is on the western edge of the Bowser Basin. All rocks in the area are apparently of Mesozoic age.

The oldest rocks in the project area consist of lower to middle Jurassic Hazelton assemblages. The essentially undeformed and unaltered Hazelton rocks in the area are primarily epiclastics with minor pyroclastic components. These rocks vary from green massive volcanic conglomerates, sandstones, minor breccia with minor intercolated siltstones to green volcanic breccias with sandstone and conglomerate. Minor discontinuous limestone beds are locally present.

Middle to Upper Jurassic Bowser assemblage rocks in the area vary in composition from siltstones, greywacke, argillite, minor chert pebble conglomerate and minor limestone to green, red and buff volcanic sandstone, conglomerate and minor breccia.

The Summit Lake Stock, which is probably a satellite body of the main Hyder batholith occurs immediately south of the project area. This stock which consists of unfoliated diorite has caused contorting, shearing and sericite alteration in areas peripheral to the intrusive margin.

Gold mineralization associated with pyrite and pyrrhotite along sheared and silicified zones has been related to this intrusive.

Local Geology

Geological mapping at a scale of 1:5000 was conducted over a portion of the Catspaw claim. Enlargements of a 1:50,000 topographic map, NTS 104B/8 Frank Mackie Glacier was used to provide ground control. Figure 3 shows the distribution of outcrops and rock types noted.

The limited mapping conducted indicates that the property area is underlain by Hazelton rocks consisting of limestone, volcanic fragmentals and tuffs with minor argillites cut by later feldspar porphyry dykes. Quartz veins and/or veinlets are present along shear zones.

Limestone is present along the lower slopes of the property area and consists of a dark grey to black, fine to medium grained rock. No fossils were noted within the unit. Pyrite with hematite staining is present throughout the unit while chalcopyrite is restricted to the contacts with the feldspar porphyry dykes. The chalcopyrite occurs as disseminations or massive stringers, several centimeters wide but usually less than 1 meter in length. No samples of the copper mineralization were taken due to the discontinuous and erratic nature of the occurrences.

The volcanic fragmentals were noted along the north slope above the glacier and consist of angular fragments of porphyritic andesite in a fine grained green matrix. Fragments form up to 50% of the rock and vary in size from 5 mm to 10 cm.

The tuffs with minor argillite are thin bedded, well laminated, multi-coloured rocks with colours varying

from green to black. Individual beds in the sequence have a thickness less than 10 cm.

The feldspar porphyry dykes which appear to cut the above rocks show few chill margins or alteration along the contacts. The contacts with the intruded rocks appear to be fault zones on some locations especially below the lower adit. The dykes consist of fine grained to aphanatic rocks with up to 20% feldspar phenocrysts up to 5 mm.

The quartz veins observed are generally white crystalline with low to sparse sulphides consisting of arsenopyrite, pyrite, galena and sphalerite. The veins observed vary from several centimeters up to 2 meters in widths.

Lenses of massive pyrite up to 5 cm in width were noted along the fault zone below the lower adit.

Structures observed during the mapping included shearing and faulting and bedding strikes. Strike and dip measurements indicate that the rocks trend north to north 45^{o} east across the property with dips 50 to 60^{o} east. Shearing with associated quartz veins strikes north 80^{o} west with steep dips to the northeast. A fault zone that forms a contact with the main quartz vein at the lower adit and the feldspar porphyry strikes at north 50^{o} east.

PROSPECTING, TRENCHING AND SAMPLING

During the course of the mapping, attention was paid to any gossans or quartz veins noted. Sampling by Arnold was restricted to hematized or pyritic rocks near the feldspar porphyry contacts. Locations for the six samples collected are shown on Figure 3. Descriptions of the samples are as follows:

CP-1	highly, hematized limestone.
CP-2	feldspar porphyry with pyrite and hematite.
CP-3 and 4	highly hematized limestone.
CP-5 and 6	limey argillite with hematite staining.

The samples were analyzed for Cu, Mo, Pb, Zn Ag and Au with values for all metals being low.

Standard gold panning techniques were used to test all stream beds in the vicinity of the claim. Panning indicated the presence of trace gold colours in most of the tested streams. The gold is extremely fine grained, bright yellow and is present in association with abundant black sand, mainly magnetite.

Failure by Can-Lake to outline the area of old workings led to investigation by E & B Explorations Ltd. The helicopter was utilized to locate one of the old adits from the air and subsequent ground traverses outlined the workings. Pace and compass traverses were used to locate all trenches, adits and mineralized veins as depicted in Figure 4. Propecting outlined all previously reported veins as well as located new ones north of the lower adit.

The main quartz vein lies along a canyon wall incised above the glacier in the northwest portion of the

claim block. The vein at the lower adit consists of massive white quartz up to 2.5 meters wide with sparse pyrite, arsenopyrite, sphalerite and galena as coarse blebs. The vein which strikes approximately north 70° west is cut off by a fault at the south end. Post faulting pyrite stringers lying in the wall zone areas of the vein cut across the fault as well being present along the fault zone. The vein can be traced along the canyon wall but shows considerable strike variance over short distances. Attempts to expose the vein in the south end of a sloughed trench near the main adit were unsuccessful. The vein described in the 1946 Mines Minister Report appears to be 0.8 meters wide with an average grade of 0.23 oz. Au/ton (previous sampling). The vein was not intersected in the adit and it may have changed strike and paralleled the adit. The vein appears to be too strong a structure to pinch out so rapidly.

Due to the sloughed nature of the old upper trenches, little vein material was observed. Attempts were made to clean out several old pits that show good gold values in previous work (26 inches of 0.98 oz. Au and 0.7 oz. Ag). Quartz material was eventually recovered from one pit but assays showed relatively low gold values (0.044 oz. Au/ton). Material on a dump from an area of a possible caved adit was examined but not analyzed. This area corresponds with descriptions from previous work that indicates brecciated, carbonate altered and silicified rocks with pyrite, arsenopyrite, sphalerite and galena. A small amount of mineralization was noted along narrow quartz veinlets in the brecciated, rusty rocks on the dump.

A new quartz vein was noted north of the lower adit and consisted of lenses heavily mineralized with galena, sphalerite and pyrite along a narrow shear zone. Maximum width of the vein appears to be 0.4 meters.

A brief description of samples obtained with assays is included:

CP-1 (Figure 4) Silicified argillite with approximately 10% arsenopyrite and pyrite with traces of galena and sphalerite taken above the portal of the lower adit.
Gold - 0.256 oz./ton over 1.22 meters.

CP-2 Quartz with 0.15 meters of massive sphalerite and pyrite with minor galena and chalcopyrite-sulphides $\sim$40%.
Gold - 2.288 oz./ton, Silver - 2.53 oz./ton over 0.41 meters.

CP-3 Quartz with good galena, sphalerite and pyrite over 0.35 meters above the face of the old portal.
Gold - 0.110 oz./ton.

CP-4 Weakly silicified argillite with abundant pyrite both disseminated and as veinlets along fractures approximately 5 to 7%.
Grab sampling - Gold - 0.014 oz./ton.

CP-5 Brecciated zone 1.2 meters wide with 0.3 meters of quartz. Grab sample of quartz with sparse pyrite, pyrrhotite and traces galena and sphalerite.
Gold - 0.044 oz./ton.

No work was conducted in the main adit as the portal area has caved leaving a narrow space between the adit back and fallen material. The adit had no water on the floor and it appears little work would be required to rehabilitate it.

The brief visit during August did not allow for any prospecting of a large gossan zone south of and on the other side of a glacier present below the main workings.

CONCLUSIONS

The property area is underlain by Hazelton rocks cut by quartz filled shears carrying varying amounts of gold associated with galena, sphalerite, pyrite, pyrrhotite and arsenopyrite mineralization. Tenor of gold mineralization appears to average 0.2 oz./ton over widths up to 2 meters.

The variable strike of the quartz veins makes it difficult to interpret the structure and it is possible that up to 2 separate veins exist in the area of the old workings.

Further work is recommended for the property, particularly to explore for south continuation of the quartz veins towards the East gold property. As well further exploration should concentrate on adequately defining the limits of the quartz vein and possible tenor of gold mineralization in the area of the old workings.

RECOMMENDATIONS

An exploration program is recommended for the Catspaw property to test the gold potential of the quartz filled shears. The program would involve the following:

1. Geochemistry

   A grid with 25 meters spacing between lines should be located to encompass the area of the old workings. Soil sampling should be conducted every 12 meters with samples analyzed for Au, Ag, Pb and Zn. A total of 10 lines would be required with maximum length along the cross-lines of approximately 500 meters.

2. Geophysics

   Shoot-back Crone EM should be attempted to possibly define targets in overburden areas. The geophysics would be conducted along the grid lines.

3. Trenching

   The exposed quartz veins should all be trenched and sampled at regular intervals of 10 meters. Old pits should be cleaned out and any exposed vein material sampled.

4. Prospecting

   The area between the East gold property and the area of the quartz veins should be prospected particularly large gossans located south of the old workings.

5. Diamond drilling

   Two drill holes are recommended to test the main quartz vein between the lower and main adits. A total of 200 meters of drilling would be required.

REFERENCES

British Columbia Department of Mines, Annual Reports:
1927 A106-107
1939 A56
A66
1946 A68-74

Fawley, A.P. 1946 — An Electrum - Ruby Silver Deposit at East Gold Mine, B.C. - The Canadian Institute of Mining and Metallurgy.

Grove, E.W. — Geology and Mineral Deposits of the Stewart Area, British Columbia, Bulletin No.58, British Columbia Department of Mines and Petroleum Resources.

CERTIFICATE

I, EDWARD R. KRUCHKOWSKI, GEOLOGIST, residing at 23 Templeside Bay, North East, in the City of Calgary, in the Province of Alberta, hereby certify that:

1. I received a Bachelor of Sciences Degree in Geology from the University of Alberta, Edmonton, Alberta in 1972.

2. I have been practising my profession as an Exploration Geologist since 1972.

3. I am employed by E & B Explorations Ltd., at 2900 Cascade Building, 300 - 5th Avenue S.W., in the City of Calgary, in the Province of Alberta.

5. The work described in this report was undertaken under my direct supervision.

DATED at the City of Calgary, in the Province of Alberta
This 27 day of April , A.D., 1981.

E.R. Kruchkowski, B. Sc.
Geologist

Province of
British Columbia
Ministry of Mines and
Petroleum Resources

MINERAL ACT

Statement of Exploration and Development

I, E. Kruchkowski (Name)
23 Templeside Bay N.E. (Address)
Calgary, Alberta
Valid subsisting F.M.C. No. 191112

Agent for E&B Explorations Ltd. (Name)
2900, 300-5th Ave. S.W. (Address)
Calgary, Alberta
Valid subsisting F.M.C. No. 193077

STATE THAT

1. I have done, or caused to be done, work on the Catspaw (16 units) Mineral Claim(s)
Record No.(s) 2004
Situate at 3.5 km NW of Tidelake Airstrip in the Skeena Mining Division,
to the value of at least 49,618.00 dollars. Work was done from the 25 day
of May 19 80, to the 26 day of August 19 80.
as part of a program covering several claim groups
2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)	COST
TOTAL PHYSICAL	

B. PROSPECTING (Details in report submitted as per section 9 of regulations.)
(The itemized cost statement must be part of the report.)

	COST
and associated costs: equipment rental, subsistence & camp maintenance, assaying, transportation, office costs/reports	$47,283.00
TOTAL PHYSICAL AND PROSPECTING	$47,283.00

I wish to apply $ 11,200.00 of this work to the claims listed below.

(State number of years to be applied to each claim and its month of record.)

Catspaw (recorded January 9, 1980) - apply 5 years

(For C and D sections, please turn over.)

C. DRILLING (Details in report submitted as per section 8 of regulations.)
(The itemized cost statement must be part of the report.)

	COST

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL
(Details in report submitted as per section 5, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

Geological/geochemical survey	2,335.00
(please refer to report for details)	
TOTAL OF C AND D	2,335.00

Who paid for the above-described work? Name E&B Explorations Ltd.

Address 2900, 300-5th Ave. S.W.

Calgary, Alberta

Portable Assessment Credits (PAC) Withdrawal Request	AMOUNT
Amount to be withdrawn from owner(s) account(s):	
Name of Owner	
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.) 1.	
2.	
3.	
4.	
TOTAL WITHDRAWAL	
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL	

I wish to apply $_____ of this work to the claims listed below.

(State number of years to be applied to each claim and its month of record.)

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

	Name	AMOUNT
In owner(s) name.	1. E&B Explorations Ltd.	$38,418.00
	2.	
	3.	
In operator(s) name (person paying for the work).	1.	
	2.	
	3.	

(Signature of Applicant)

E. Kruchkowski - Project Geologist
E&B Explorations Ltd.

APPENDIX I

Assay Values

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 69976

INVOICE NO. 39139

RECEIVED August 29, 1980

ANALYSED Sept. 27, 1980

TO: E & B Exploration Inc.,
1440 - 800 W. Pender St.,
Vancouver, B.C.
V6C 2V6

ATTN: BOWSER PROJECT

SAMPLE NO. :	% Cu	% Mo	% Pb	% Zn	oz/ton Ag	oz/ton Au
Sulphurets Cr. #1	0.28	<0.001	<0.01	0.11	0.20	0.024
2	0.16	<0.001	<0.01	0.02	0.01	<0.003
3	0.15	<0.001	<0.01	0.01	0.01	<0.003
4	0.05	0.011	<0.01	<0.01	0.01	<0.003
5	0.19	0.003	0.01	<0.01	0.12	0.030
6	0.09	0.002	<0.01	<0.01	0.01	0.003
7	0.01	<0.001	0.17	0.23	3.86	0.010
8	<0.01	<0.001	0.09	0.02	0.08	0.003
9	0.01	0.002	<0.01	<0.01	0.07	<0.003
Sulphurets Cr. #10	0.01	<0.001	0.04	0.48	0.28	0.003
Knipple Lk. 1	<0.01	0.001	<0.01	0.02	0.10	<0.003
2	<0.01	0.005	<0.01	0.01	0.05	0.005
3	0.13	<0.001	61.2	0.34	28.30	0.003
4	<0.01	0.003	0.98	0.04	0.68	<0.003
5	2.97	<0.001	0.42	1.32	137.64	0.042
Knipple Lk. 6	0.01	0.002	0.04	0.01	0.80	0.030
Devil Bliss 1	0.01	0.014	0.14	0.02	0.16	<0.003
2	<0.01	0.015	0.09	0.18	0.12	<0.003
3	<0.01	0.001	5.45	0.20	2.20	0.064
4	0.12	<0.001	0.22	0.01	0.40	<0.003
5	0.06	0.004	0.03	<0.01	0.10	<0.003
Devil Bliss 6	<0.01	0.006	0.02	<0.01	0.20	0.054
Treaty GL 1	<0.01	<0.001	<0.01	<0.01	0.10	<0.003
2	0.04	<0.001	<0.01	<0.01	0.18	<0.003
3	<0.01	0.003	0.01	<0.01	0.20	0.026
Treaty GL 4	<0.01	<0.001	<0.01	0.01	0.12	0.003
Treaty Cr. 1	<0.01	<0.001	<0.01	0.02	0.20	0.005
2	0.02	<0.001	0.04	0.02	0.36	0.012
3	0.01	0.001	0.01	0.02	0.16	<0.003
4	<0.01	0.001	<0.01	0.02	0.02	<0.003
5	0.01	<0.001	<0.01	0.01	0.04	<0.003
Treaty Cr. 6	<0.01	<0.001	<0.01	<0.01	0.02	<0.003
Treaty Cr. 7 (float)	<0.01	0.002	<0.01	<0.01	0.02	<0.003
Cat's Paw 1	<0.01	0.001	<0.01	<0.01	0.04	<0.003
2	<0.01	0.001	<0.01	0.01	0.02	<0.003
3	0.01	<0.001	<0.01	0.01	0.06	<0.003
4	<0.01	<0.001	0.01	0.01	0.03	<0.003
5	<0.01	<0.001	<0.01	<0.01	0.04	<0.003
Cat's Paw 6	<0.01	<0.001	0.03	<0.01	0.10	<0.003

Cmi Lake sampling NL Figure 3

CTA MEMBER CANADIAN TESTING

R. G. Stewart

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 69785

INVOICE NO. 38611

RECEIVED Aug.18/80

ANALYSED Sept.5/80

TO: E & B Explorations Ltd.,
2900 - 300 5th Ave. S.W.
Calgary, Alberta.

ATTN: T2P 3C4
E. KRACHKOWSKI

SAMPLE NO. :	% Pb	% Zn	oz/ton Ag	oz/ton Au	
CP-1			0.39	0.256	
2	1.34	1.40	2.53	2.288	E+B Sampling
3	0.16	0.12	0.41	0.110	
4			0.20	0.014	
CP-5			0.12	0.044	on Figure 4

CTA MEMBER CANADIAN TESTING ASSOCIATION

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

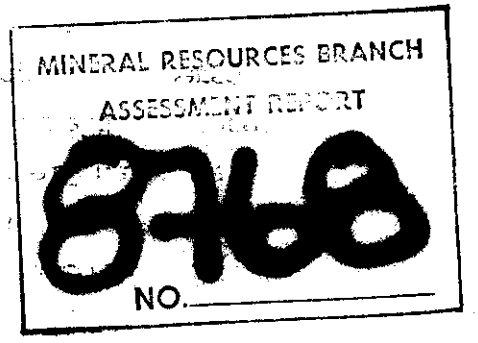
E&B PROJECT: Bowser-Unuk

DURATION OF TOTAL EXPLORATION PROGRAM: May 25 - August 26, 1980

CATSPAW CLAIM, Record # 2004

Total 122 days

Geology (field personnel), rock geochemistry	$ 2,335.00
Mob/Demob (field personnel)	4,850.00
Prospecting (field personnel)	24,381.00
Equipment Rental	727.00
Subsistence & Camp Maintenance	4,576.00
Assaying	634.00
Mob/Demob - Transportation, Travel, Freight & Fuel	9,798.00
Miscellaneous Office Costs	170.00
Office Costs - Report Compilation/Drafting	2,147.00
	$49,618.00



GEOLOGY - (field personnel) for Catspaw, Treaty and Sulphurets Claims

Invoice #	Date		
1006/1098	May, 1980	Field Geologist, 4 field days @ $176/day	$ 704.00
1006/1098	May, 1980	Junior Assistant, 4 field days @ $113.33/day	453.32
1190/1072	August, 1980	Field Geologist, 12 field days @ $176/day	2,112.00
1190/1072	August, 1980	Junior Assistant, 11 field days @ $113.33/day	1,246.63
			$ 4,515.95

Allocation:

Treaty Claim - 30.5% - $1,377.36

Sulphurets - 17.8% - $ 803.84

Catspaw - 51.7% - $2,334.75

MOB/DEMOB - (field personnel) for Catspaw, Treaty and Sulphurets Claims

Invoice #	Date		
1006/1098	May, 1980	Field Geologist, 7 field days @ $176/day	$ 1,232.00
1006/1098	May, 1980	Junior Assistant, 7 field days @ $113.33/day	793.31
1065/1076	June, 1980	Junior Assistant, 12 field days @ $113.33/day	1,359.96
1065/1076	June, 1980	Field Geologist, 12 field days @ $176/day	2,112.00
1190/1072	August, 1980	Field Geologist, 13 field days @ $176/day	2,288.00
1190/1072	August, 1980	Junior Assistant, 14 field days @ $114/day	1,596.00
			$ 9,381.27

Allocation:

Treaty Claim - 30.5% - $2,861.29

Sulphurets - 17.8% - $1,669.87

Catspaw - 51.7% - $4,850.13

PROSPECTING - (field personnel) for Catspaw, Treaty and Sulphurets Claims

Invoice #	Date		
1006/1098	May, 1980	Junior Prospector, 7 field days @ $130/day	$ 910.00
1006/1098	May, 1980	Senior Prospector, 16 field days @ $156.67/day	2,506.72
1065/1076	June, 1980	Junior Assistant, 9 field days @ $113.33/day	1,019.97
1065/1076	June, 1980	Field Geologist, 9 field days @ $176/day	1,584.00
1121/1090	July, 1980	Field Geologist, 19 field days @ $176/day	3,344.00
1121/1090	July, 1980	Junior Assistant, 19 field days @ $109.68/day	2,083.92
1121/1090	July, 1980	Senior Prospector, 5 field days @ $151.61/day	758.05
1121/1090	July, 1980	Junior Prospector, 5 field days @ $125.81/day	629.05
1156/1087	July, 1980	A&V Harris	4,179.04
1156/1087	July, 1980	A&V Harris	8,938.36
1156/1087	July, 1980	A&V Harris	4,400.00
1156/1087	July, 1980	A&V Harris	7,854.77
1190/1072	August, 1980	Junior Assistant, 16 field days @ $114/day	1,824.00
1190/1072	August, 1980	Field Geologist, 2 field days @ $176/day	352.00
1190/1072	August, 1980	Senior Prospector, 32 field days @ $156.67/day	5,013.44
1190/1072	August, 1980	Junior Prospector, 14 field days @ $125.81/day	1,761.34
			$47,158.66

Allocation:

Treaty Claim - 30.5% - $14,383.39

Sulphurets - 17.8% - $ 8,394.24

Catspaw - 51.7% - $24,381.02

EQUIPMENT - Rental for total area explored

Invoice #	Date		
1006/1098	May, 1980	1-1200 Watt Generator, 12 days @ $195/mo	$ 78.00
1006/1098	May, 1980	1-3 Way Fridge, 12 days @ $60/mo	24.00
1102/1085	June, 1980	Canadian Marconi	903.50
1065/1076	June, 1980	1-1200 Watt Generator, 30 days $ 195/mo	195.00
1065/1076	June, 1980	1-CP 34 Radio, 24 days @ $102/mo	82.00
1121/1090	July, 1980	1-1200 Watt Generator, 31 days @ $195/mo	195.00
1121/1090	July, 1980	1-CP 34 Radio, 24 days @ $102/mo	82.00
1156/1087	July, 1980	Canadian Marconi	374.10
1190/1072	August, 1980	1-1200 Watt Generator, 31 days @ $195/mo	195.00
1190/1072	August, 1980	1-CP 34 Radio, 31 days @ $102/mo	102.00
1210/1102	August, 1980	Canadian Marconi	374.70
			$ 2,604.70

Allocation:

Treaty Claim - 16.5% - $429.78

Sulphurets - 9.6% - $250.05

Catspaw - 27.9% - $726.71

SUBSISTENCE & Camp Maintenance for Catspaw, Treaty & Sulphurets Claims

Invoice #	Date		
1006/1098	May, 1980	Subsistence, 45 days @ $35/day	$ 1,575.00
1065/1076	June, 1980	Subsistence, 42 days @ $35/day	1,470.00
1121/1090	July, 1980	Subsistence, 48 days @ $35/day	1,680.00
1156/1087	July, 1980	Scotty's Holdings Repair	136.26
1190/1072	August, 1980	Subsistence, 114 days @ $35/day	3,990.00
			$ 8,851.26

Allocation:

Treaty Claim - 30.5% - $2,699.63
Sulphurets - 17.8% - $1,575.52
Catspaw - 51.7% - $4,576.10

ASSAYING - for samples collected in total exploration area

Invoice #	Date	
Computer Print-Outs	September, 1980	$ 1,947.50
Computer Print-Outs	October, 1980	325.55
		$ 2,273.05

Allocation:

Treaty Claim - 16.5% - $375.05
Sulphurets - 9.6% - $218.21
Catspaw - 27.9% - $634.18

MOB/DEMOB - Transportation, Travel, Freight & Fuel for total area explored

Invoice #	Date		
1034/1098	May, 1980	R.Rentamaki Expenses	$ 118.66
1034/1098	May, 1980	M.Balog Expenses	376.30
1034/1098	May, 1980	H.Meyers Expenses	4.00
1034/1098	May, 1980	N.Boa Expenses	360.50
1034/1098	May, 1980	Port O Call Inn	290.63
1034/1098	May, 1980	Avis	652.23
1102/1085	June, 1980	Nolan Boa Expenses	420.00
1074	June, 1980	Vancouver Island Helicopter	461.50
1026	July, 1980	Vancouver Island Helicopter	1,944.00
1156/1087	July, 1980	Air Canada	978.00
1156/1087	July, 1980	R.Rentamaki	420.00
1156/1087	July, 1980	Pacific Western	43.12
1156/1087	July, 1980	C.P. Air	28.75
1156/1087	July, 1980	King Edward Hotel	3,095.60
1081	July, 1980	Vancouver Island Helicopter	2,957.80
2089	August, 1980	Provincial Airlines	43.40
1210/1102	August, 1980	R.Rentamaki	3.00
1210/1102	August, 1980	King Edward Hotel	600.50
1210/1102	August, 1980	R.Arnold	1,297.10
Computer Print-Out	September, 1980	Vancouver Island Helicopter	15,580.10
1027	October, 1980	Vancouver Island Helicopter	5,246.50
1336/1077	October, 1980	Transprovincial Airlines	197.45
			$35,119.14

Allocation:

Treaty Claim - 16.5% - $5,794.66

Sulphurets - 9.6% - $3,371.44

Catspaw - 27.9% - $9,798.24

MISCELLANEOUS - Office Costs for Catspaw, Treaty & Sulphurets Claims

Invoice #	Date		
983/1104	April, 1980	Energy, Mines & Resources	$ 24.00
1102/1085	June, 1980	Bellaire Blue	283.33
1156/1087	July, 1980	Bellaire Blue	9.33
1210/1102	August, 1980	Bellaire Blue	12.93
			$ 329.59

Allocation:

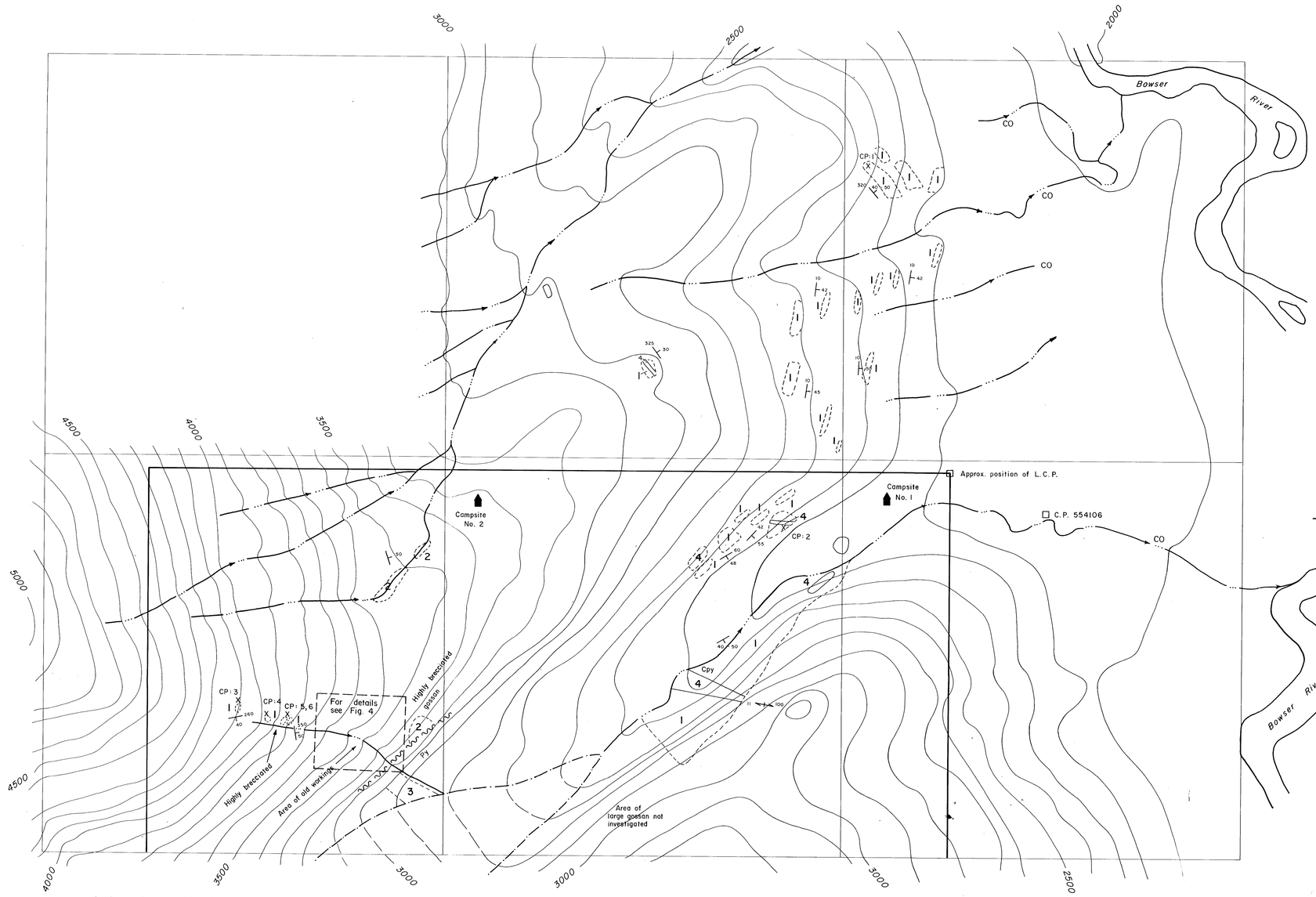
Treaty Claim - 30.5% - $100.52
Sulphurets - 17.8% - $ 58.67
Catspaw - 51.7% - $170.40

OFFICE COSTS - Report Compliation/Drafting for total area explored

Invoice #	Date		
1006/1098	May, 1980	Drafting Supervision, 2 hrs @ $28/hr.	$ 56.00
1065/1076	June, 1980	Drafting Supervision, 2 hrs @ $28/hr.	56.00
1065/1076	June, 1980	Drafting Junior, 19 hrs @ $14/hr.	266.00
1065/1076	June, 1980	Report Compilation, Field Geologist 9 days @ $176/day	1,584.00
1065/1076	June, 1980	Report Compilation, Junior Assistant, 9 days @ $113.33/day	1,019.97
Computer Print-Out	September, 1980	Report Compilation	3,280.00
	September, 1980	Report Compilation, Field Geologist, 2 days @ $205/day	1,025.00
1311/1035	October, 1980	Report Compilation, 2 days @ $205/day	410.00
			$ 7,696.97

Cost Share of subject claims:

Treaty Claim - 16.5% - $1,270.00
Sulphurets - 9.6% - $ 739.00
Catspaw - 27.9% - $2,147.00



LEGEND

1	LIMESTONE, DARK GREY TO BLACK, FINE TO MEDIUM GRAINED
2	TUFFS WITH ARGILLITE, THIN BEDDED
3	VOLCANIC BRECCIA, ANDESITIC
4	FELDSPAR PORPHYRY DYKES

SYMBOLS

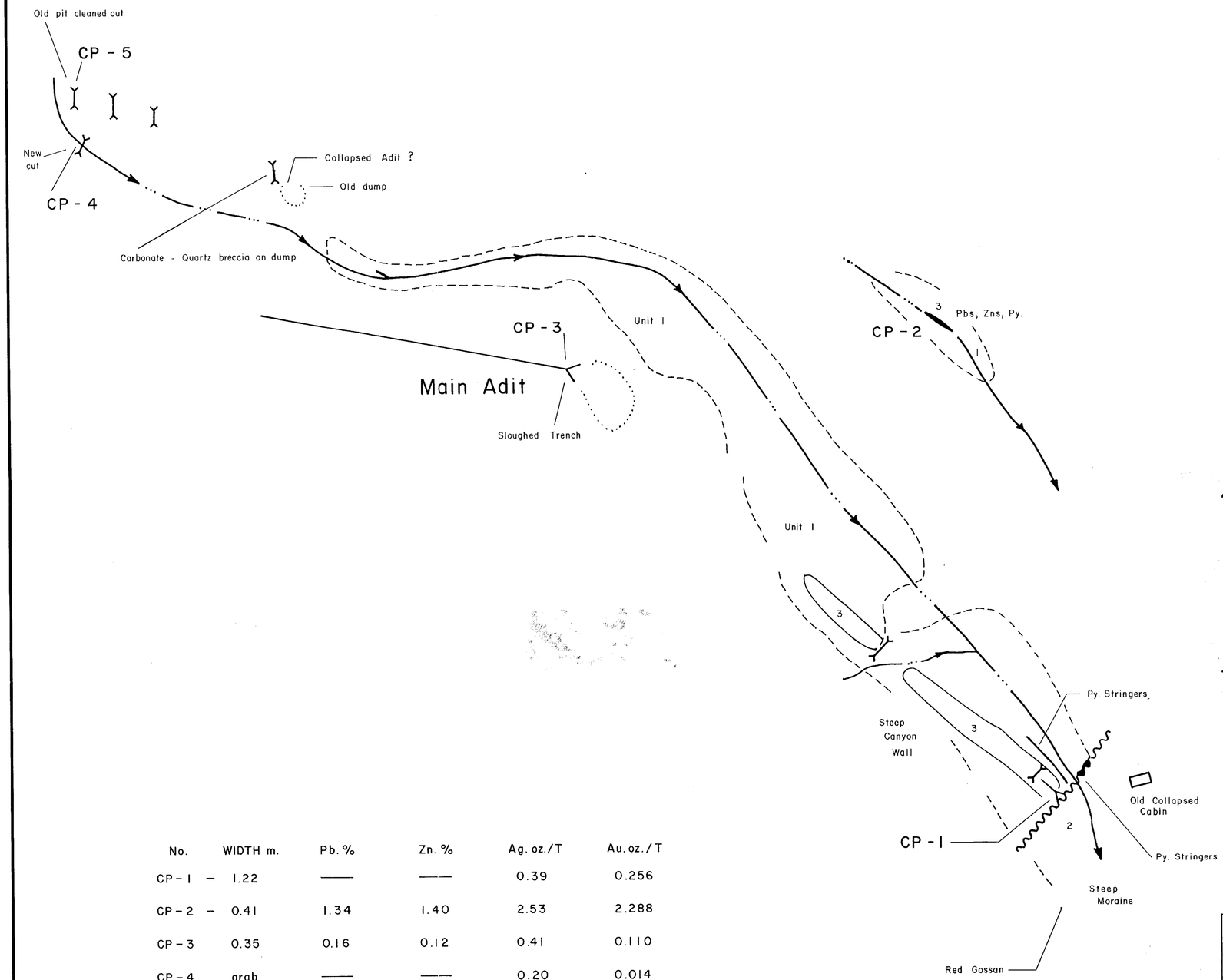
	STRIKE, VERTICAL, INCLINED
	FAULT
	SHEARING
	STREAM
	GLACIER EDGE
	OUTCROP OUTLINE
	GEOLOGICAL CONTACT
	CAMPSITE
X CP: 3	SAMPLE SITE
CO	AREAS WHERE TRACE GOLD PANNED IN CREEKS
	CLAIM BOUNDARY
Cpy	CHALCOPYRITE
Py	PYRITE

E & B EXPLORATIONS LTD.

Catspaw Claim

Geology Map

TO ACCOMPANY REPORT BY:	E. R. KRUCHKOWSKI		
C. L. C. DRAFTING VANCOUVER, B. C.	Scale: 1: 5000	Date: April 1981	
	Project:	Figure: 3	
	N.T.S. 104 - B - 8	Drawn by: C. L. C.	



LEGEND

- 1 — HAZELTON GROUP ROCKS - FRAGMENTAL VOLCANICS AND SEDIMENTS.
- 2 — FELDSPAR PORPHYRY
- 3 — QUARTZ - VEIN

Symbols

- OUTCROP
- FAULT ZONE
- GEOLOGIC CONTACT
- OLD TRENCH
- ADIT
- DUMP
- CREEK BED
- CP - 3 — ASSAY SAMPLE NUMBER

Pbs. GALENA

Zns. SPHALERITE

Py. PYRITE

Scale 1: 500

10 5 0 10 20 30 40 50

Metres

No.	WIDTH m.	Pb. %	Zn. %	Ag. oz./T	Au. oz./T
CP - 1	1.22	——	——	0.39	0.256
CP - 2	0.41	1.34	1.40	2.53	2.288
CP - 3	0.35	0.16	0.12	0.41	0.110
CP - 4	grab	——	——	0.20	0.014
CP - 5	grab	——	——	0.12	0.044

* Distances on map are all approximate.

E&B EXPLORATIONS LTD.

Bowser Unuk Prospect
Catspaw Claim
Plan of Underground Working's & Assay Locations

TO ACCOMPANY REPORT BY:	E. R. KRUCHKOWSKI
C. L. C. DRAFTING VANOUVER, B. C.	Scale: 1:500
	Date: February 1981
	Project:
	Figure: 4
	N.T.S. 104 - B - 8
	Drawn by: C. L. C.