825271

DEKALB MINING CORPORATION

EXPLORATION PROJECTS

DECEMBER 1982

DEKALB MINING CORPORATION

EXPLORATION PROJECTS

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to August 31,1982 - By Project

DEKALB MINING CORPORATION

INDEX MAP
EXPLORATION PROJECTS
1982

DEKALB MINING CORPORATION
PROJECT SUMMARY

CAPTAIN LAKE, B.C. 4554663 — BARITE, LEAD ZINC, SILVER

LOCATION:

NTS: 104P12,13
LATITUDE: 59°45N
LONGITUDE: 129°45'W
POINT OF REFERENCE: The property lies some 50 km North of the town of Cassiar, on a tributary of Alec Chief Creek.

ACCESS: By helicopter from Watson Lake, Yukon.

PROPERTY DESCRIPTION:

NUMBER OF CLAIMS 1 "Shawn" claim (20 units).
AREA: 500 ha.
RECORDING DATE: 1981 May 19.
EXPIRY DATE: 1992 May 19.
OWNERSHIP: DEKALB Mining Corporation 58.88%
NICOR Mineral Ventures, Inc. 41.12%
COMMITMENTS: None.

EXPLORATION HISTORY: In 1981 the main showings of the property were trenched and mapped by W. Thompson for DeKalb Mining Corporation. In 1982 a cabin was built and a line cutting/soil sampling program was started, but not completed.

REGIONAL GEOLOGY: The main showings are underlain by Ordovician, Silurian, and Devonian sediments of the Sandpile Group. On the west and north of the main showings, the area is underlain by volcanics and sediments of the Devono-Mississippian Sylvester Group.

LOCAL GEOLOGY: In the immediate area of the showings a sequence of Ordovician, Silurian and Devonian limestones, shales and sandstones strike northerly and dip at about 70° to the west. Several barite horizons are found within these sediments.

MINERALIZATION: The mineralization consists of relatively pure barite that forms as beds, as well as nodular clumps. The beds are conformable with the surrounding sediments. Traces of malachite occur on some weathered surfaces. The potential of the prospect is that of a buried sedimentary exhalitive lead, zinc, silver deposit.

CAPTAIN LAKE, B.C. - Continued

EXPENDITURES: As of August 31, 1982 $ 88,751

RECOMMENDED EXPLORATION:

1. Fly an airborne EM survey to locate a conductor in the "camp" area already located by others.
2. Follow-up by completing the line cutting, soil and geophysical surveys.
3. Diamond Drill both the results from ground geophysics, and already exposed barite.

SUMMARIZED BY: W. Thompson DATE: December 07, 1982

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
CAPTAIN LAKE

Description	Total Project Costs
Geology	$ 43,209
Geophysics	1,143
Geochemistry	3,218
Line Cutting	3,014
Staking	-
Drilling	95
Trenching	16,110
Road Access	4,371
Expediting	10,143
Holding Costs	-
Overhead Costs	7,448
Total Expenditures	$ 88,751

CANADA

DEPARTMENT OF

ENERGY, MINES AND RESOURCES

SURVEYS AND MAPPING BRANCH

(Joins Wolf Lake - Watson Lake 105 S.E.)

CAPTAIN LAKE BARITE

DEKALB MINING CORPORATION

LOCATION MAP (SHAWN CLAIM)

NTS 104P 12E W/13E W.

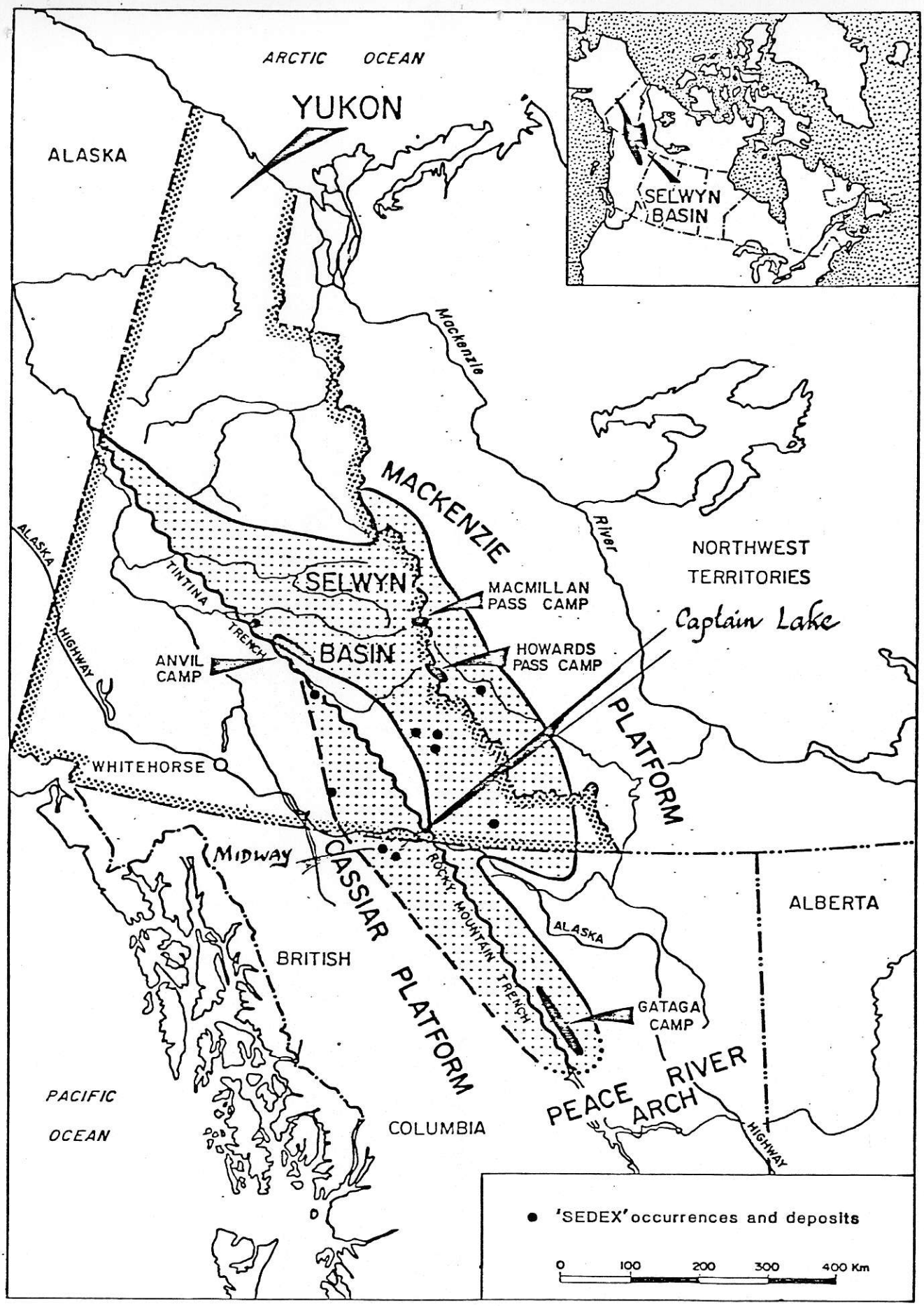
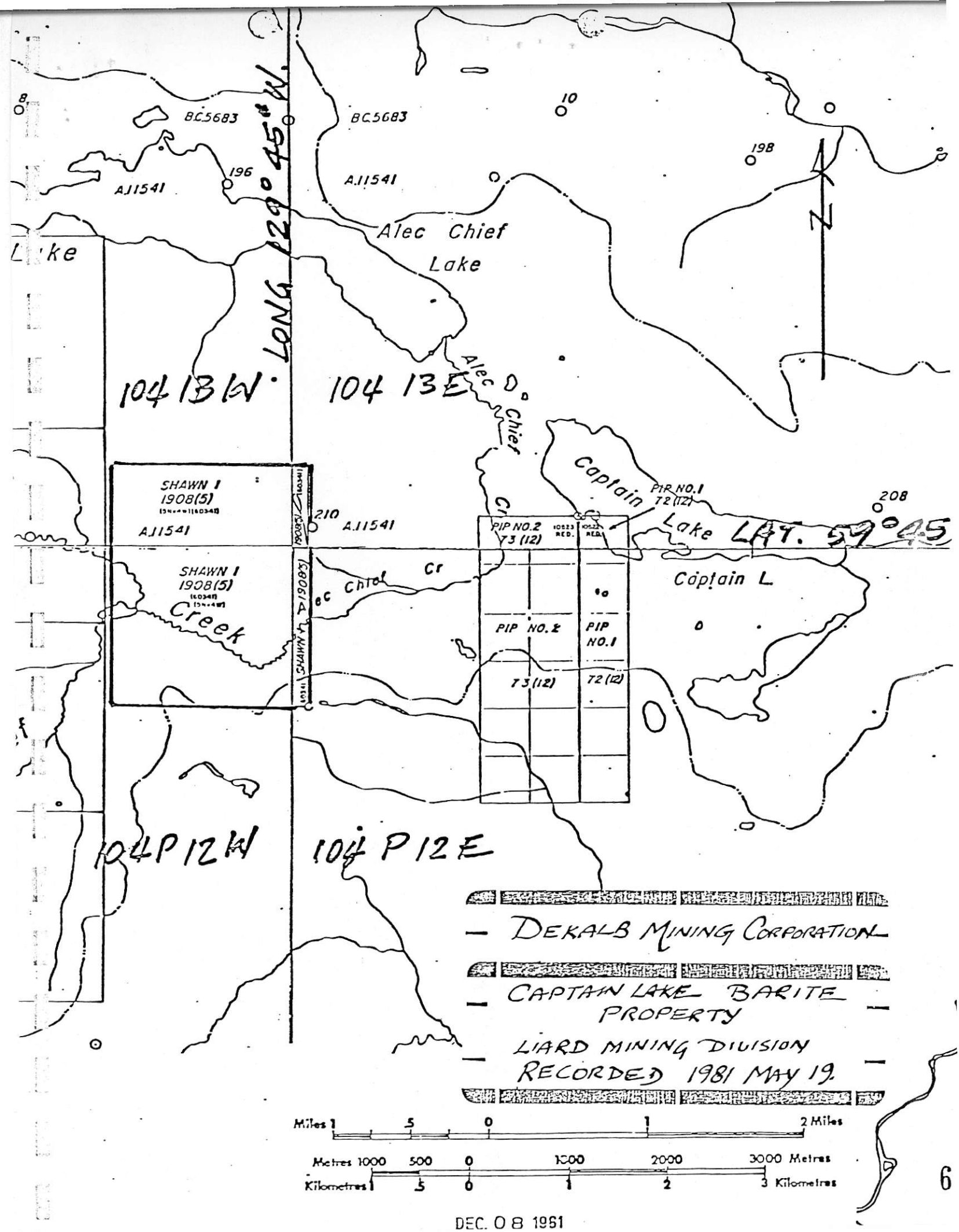
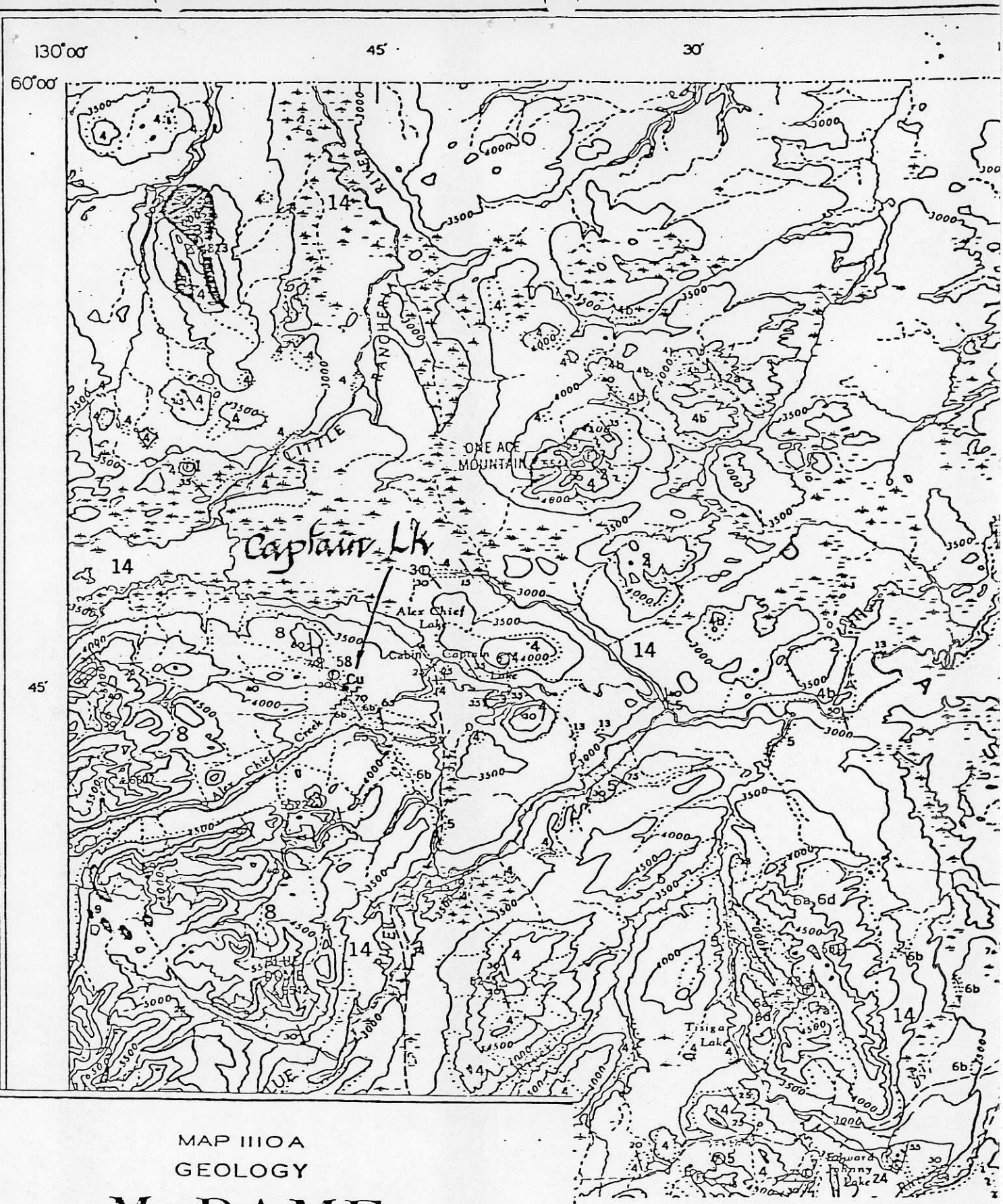


FIGURE 1. Location of the Selwyn Basin and the main sedex zinc-lead-silver camps.


LONG 129° 45' W.
LAT. 59° 45'
BC5683
A.11541
196
198
208
210
Alec Chief Lake
Captain Lake
SHAWN 1
1908(5)
SHAWN 4
1908(5)
Creek
PIP NO.2
T3 (12)
PIP NO.1
T2 (12)
104 I 3 W
104 I 3 E
104 P 12 W
104 P 12 E
DEKALB MINING CORPORATION
CAPTAIN LAKE BARITE PROPERTY
LIARD MINING DIVISION
RECORDED 1981 MAY 19
Miles 1 .5 0 1 2 Miles
Metres 1000 500 0 1000 2000 3000 Metres
Kilometres .5 0 1 2 3 Kilometres
DEC. 08 1981



MAP 1110A

GEOLOGY

McDAME

CASSIAR DISTRICT

BRITISH COLUMBIA

Scale: One Inch to Four Miles = $\frac{1}{253,440}$

Miles

4 2 0 4 8 12

Captain Lake-Barite Geology Map

Scale 1:253,440

7

PALÆOZOIC

PROTEROZOIC

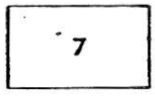
MISSISSIPPIAN (?)
LOWER MISSISSIPPIAN (?)

Serpentinite, peridotite, dunite, pyroxenite; minor metamorphosed volcanic rocks; 9a, mainly serpentinite

DEVONIAN AND MISSISSIPPIAN
UPPER DEVONIAN AND LOWER MISSISSIPPIAN
SYLVESTER GROUP

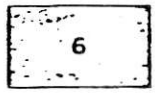
Greenstone, chert-quartz arenite, chert, argillite, slate, quartzite; greywacke, limestone, conglomerate; 8a, limestone; 8b, metamorphosed volcanic rocks; 8c, quartzite, limestone, slate, argillite, phyllite; may include minor 7 and 5; 8d, chert and slate

DEVONIAN
MIDDLE AND (?) UPPER DEVONIAN
McDAME GROUP (7a, 7b)



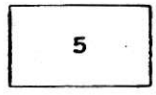
7a, black, fetid dolomite; dolomite breccia, limestone; Middle Devonian; 7b, platy limestone; may be in part Upper Devonian; 7c, undivided 7a, 6b, 6c; 7d, undivided 7a, 7b, 6b

ORDOVICIAN, SILURIAN AND (?) DEVONIAN
SANDPILE GROUP (6a, 6b)



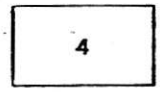
6a, dolomite, cherty dolomite, dolomite breccia, sandy dolomite, dolomitic sandstone, sandstone, quartzite; Ordovician and Silurian; 6b, sandstone and quartzite, sandy dolomite, dolomite; siltstone; minor dolomite breccia; Silurian; 6c, laminated dolomite; may be in part or entirely Devonian; 6d, dolomite breccia; may be in part or entirely Devonian

CAMBRIAN AND ORDOVICIAN
MIDDLE AND (?) UPPER CAMBRIAN, LOWER AND MIDDLE ORDOVICIAN
KECHIKA GROUP



Limestone, calcareous slate, phyllitic limestone, calcareous phyllite; pyritic and carbonaceous slate and shale, conglomerate; greenstone, may be in part or entirely younger; 5a, may include infolded strata as young as Mississippian

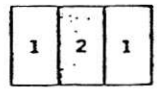
CAMBRIAN
LOWER CAMBRIAN
ATAN GROUP (3,4)



Limestone, dolomite; minor shale; 4a, may be in part or entirely Precambrian; 4b, may be in part or entirely as young as Devonian

Quartzite, shale, slate; argillite, pebble-conglomerate, siltstone

GOOD HOPE GROUP



1. *Limestone, dolomite, slate, argillite; sandy limestone, red and green slate, shale, limestone; minor quartzite, siltstone, phyllite, chlorite schist; 1a, may locally include some 4*
2. *Limestone, greenstone, chlorite schist, graphitic and chloritic calcareous schist*

Description of pertinent formations from Map 1110A McDame B.C.
By: Price and Gabrielse
1950-1954.

DEKALB MINING CORPORATION
PROJECT SUMMARY

FLAT RIVER, N.W.T. AFE 4359011 — GOLD, LEAD, ZINC, TUNGSTEN

LOCATION:
NTS: 95 D, E.
LATITUDE: 61°00'N
LONGITUDE: 126°30'W
POINT OF REFERENCE: The area of interest lies 150 km northwest of Watson Lake in the Northwest Territories.
ACCESS: Access is by helicopter from Watson Lake, Y.T.
COMMITMENTS: None

OWNERSHIP:

Newmont Exploration of Canada Ltd.	50%
DEKALB Mining Corporation et al	50%

DEKALB Mining Corporation et al:

DeKalb Mining Corporation	-	0
NICOR Mineral Ventures, Inc.	-	50%

PROPERTY DESCRIPTION: A 3,500 meter square claim was staked over the mouth of Flat Creek, the prime target, but was not recorded when sample results turned out to be negative.

EXPLORATION HISTORY: In 1981 Newmont Exploration of Canada Ltd. conducted a regional heavy mineral geochemical program in the Flat River area. The 1982 follow-up program included geological mapping, re-sampling and prospecting to locate the origin of the 1981 anomalies.

GEOLOGY: The area is underlain by a sequence of ordovician to devonian sediments and volcanics that have been intruded by cretaceous granodiorite.

MINERALIZATION: No significant mineralization was encountered. Chip sampling of hydrozincite in black shales showed only low values in zinc.

EXPENDITURES: As of August 31, 1982	$ 69,482
Share paid by DEKALB Mining Corporation et al	$ 34,741

RECOMMENDED EXPLORATION AND CONCLUSIONS: The project geologist for Newmont Exploration of Canada Ltd., J.A. Turner, has in his preliminary summary, concluded that the competition have staked the "eyes" or source of the anomalies, and no further work is recommended. It is the opinion of the author that potential for a placer gold deposit may exist, but without a field examination and some preliminary testing this cannot be confirmed. Thus a one or two day field esamination of the area with a placer expert combined with some research may prove fruitful.

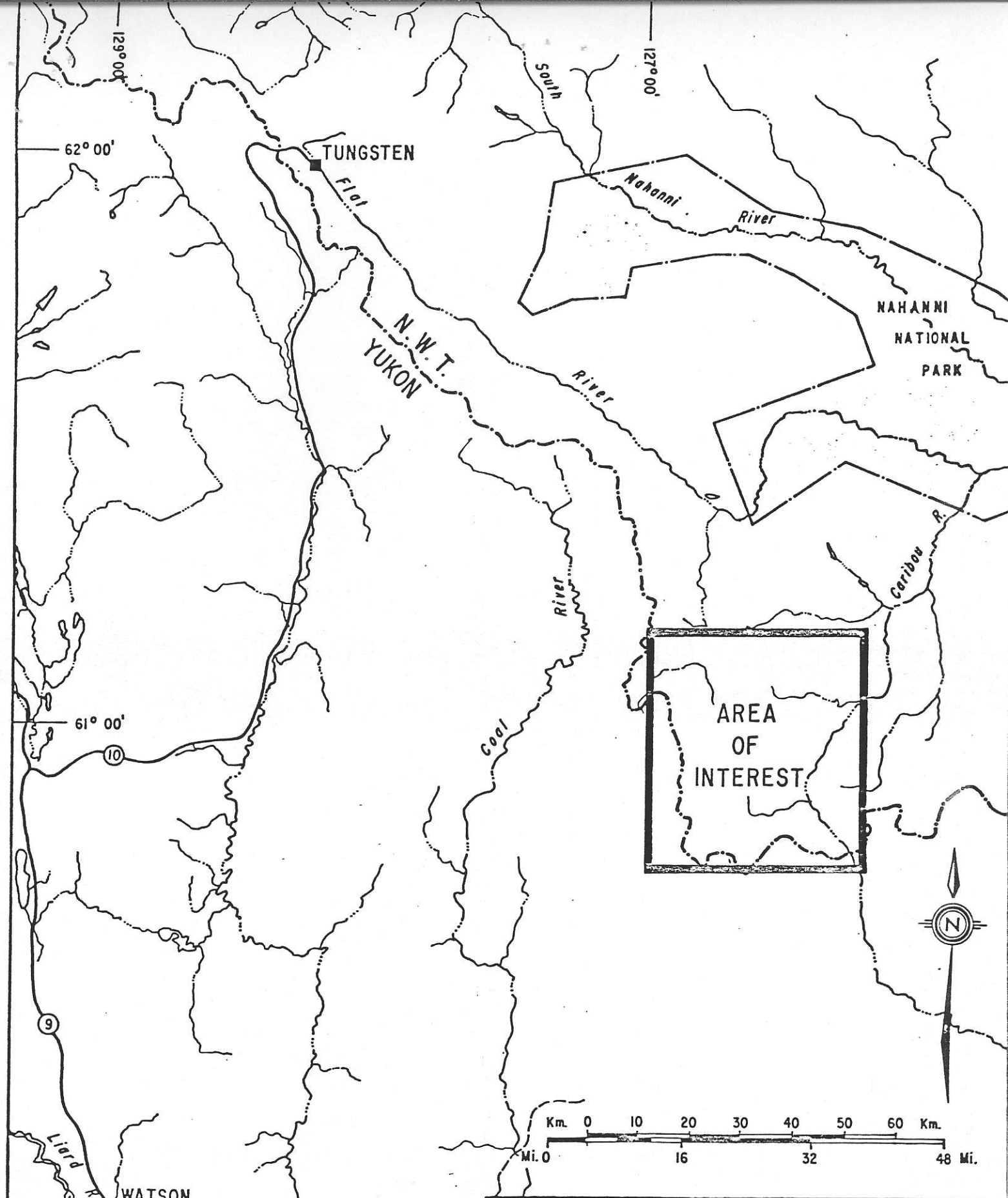
SUMMARIZED by W. Thompson — DATE: 1982 December 12

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
FLAT RIVER JOINT VENTURE

PARTNERS:

Newmont Mines Ltd. (Operator)	-	50%
DEKALB Mining Corporation	-	50%

Description	Total Project Costs
Geology	$ 69,482
Geophysics	-
Geochemistry	-
Line Cutting	-
Staking	-
Drilling	-
Road Access	-
Expediting	-
Holding Costs	-
Overhead Costs	-
Total Expenditures	$ 69,482
DEKALB Mining Corporation Share of Project Costs	$ 34,741



NEWMONT EXPLORATION OF CANADA LTD.

FLAT RIVER JOINT VENTURE

SCHEDULE "A" - LOCATION MAP

SCALE	LOCATION	DATE
1:1,000,000	95 E, D	JUNE 30, 1982
SURVEY BY	DRAWN BY	NO. Fig. 2

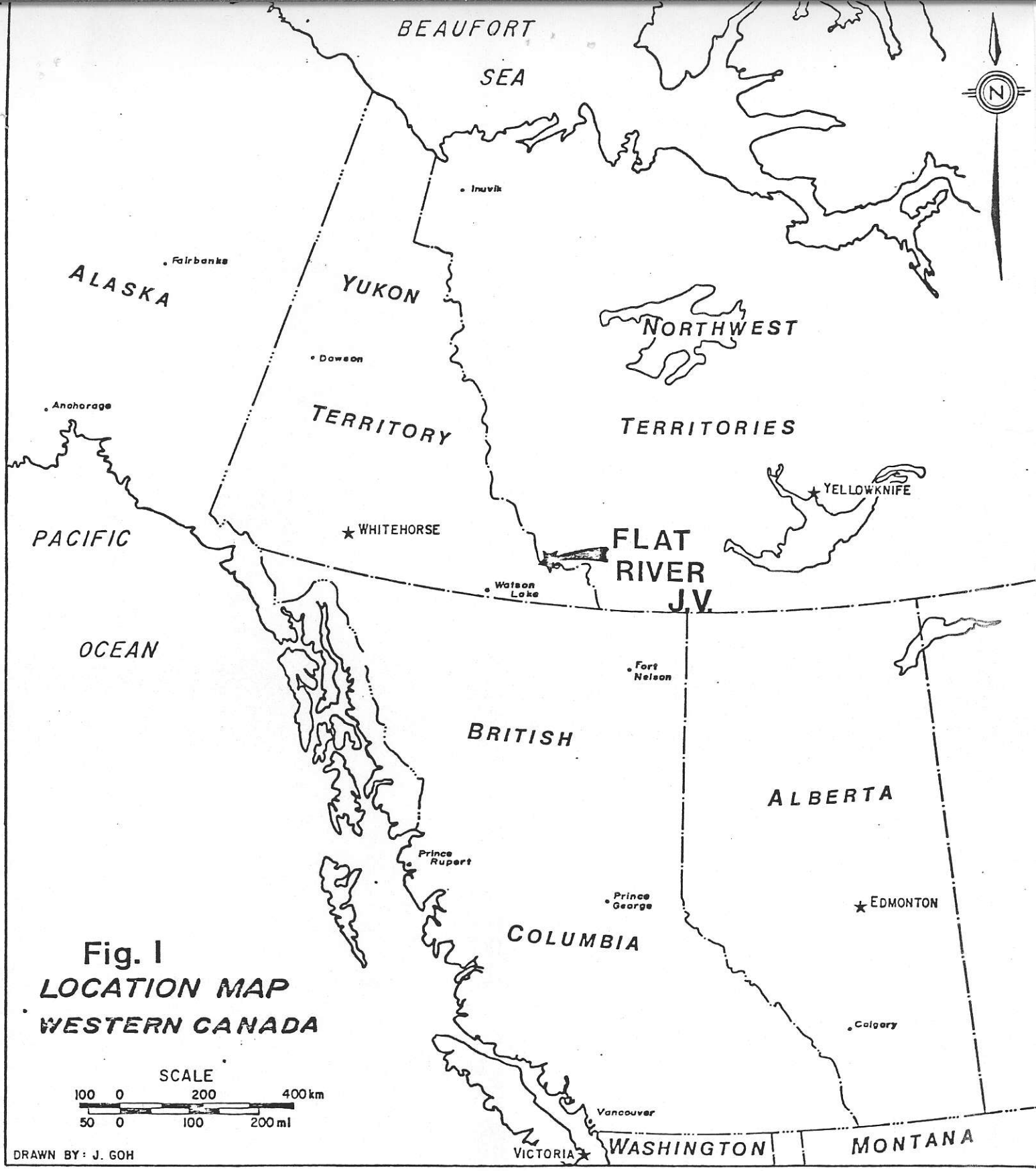
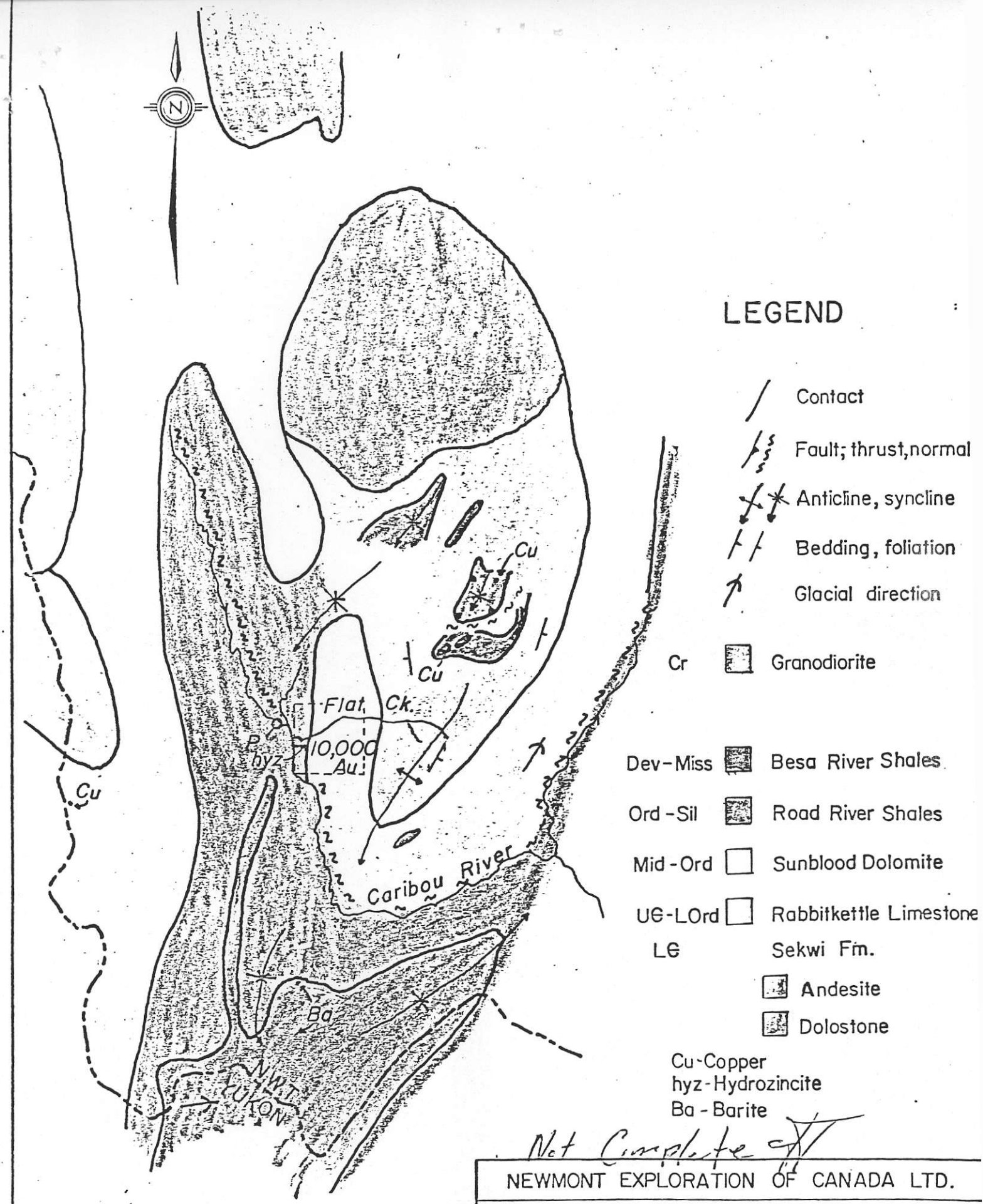


Fig. 1
LOCATION MAP
WESTERN CANADA

FLAT RIVER JOINT VENTURE



Not Complete

NEWMONT EXPLORATION OF CANADA LTD.

FLAT RIVER SURVEY 13

SCALE	LOCATION	DATE
1:250,000	95 D, E	Nov. 16, 1982
SURVEY BY	DRAWN BY	

DEKALB MINING CORPORATION
PROJECT SUMMARY

JUBILEE MOUNTAIN, B.C. AFE 4154662 BARITE

LOCATION:
NTS: 82 K East
LATITUDE: 50°55'N
LONGITUDE: 116°27'W
POINT OF REFERENCE: 5 miles N.W. of Spillmacheen.
ACCESS: Access is by gravel roads from Spillmacheen.

PROPERTY DESCRIPTION:
Number of Claims: Nine Crown Grants.

Lot.#	Name
134	Atlanta
266	Horseshoe
15303	London
15304	Manchester
15305	Cornwall
15306	Fermanagh Fraction
647	Mountain Daisy
648	Silver King
1112	Lancaster

Annual Tax due in July 1983 on all lots.

OWNERSHIP: 100% DEKALB Mining Corporation.
COMMITMENTS: None.

EXPLORATION HISTORY: Mineral prospecting has been active in the area since 1883. Thirty miles away on the same structure as the Jubilee Mountain prospect the silver Giant Mine went into production in 1947 and produced from nine levels and an open pit. In 1974 DEKALB optioned some claims and finally purchased these claims outright from the vendors. DEKALB has conducted geochemical, geophysical, and geological surveys on the prospect. These have been followed up by drilling and trenching. The results of this work has indicated the presence of silver-lead-zinc-barite-copper, but to date, no economic deposits.

GEOLOGY: The area is underlain by a gently folded succession of Upper Cambrian carbonates, cambro-ordovician shales and silurian carbonates.

MINERALIZATION: Diamond drilling has exposed up to 61 feet of sub-economic copper, lead, zinc, silver, barite mineralization. Prospecting by DEKALB and others has exposed in small shafts, trenches and pits numerous small exposures of discontinuous lenses of barite and sulphides.

JUBILEE MOUNTAIN, B.C. - Continued

EXPENDITURES: As of August 31, 1982 $ 237,851

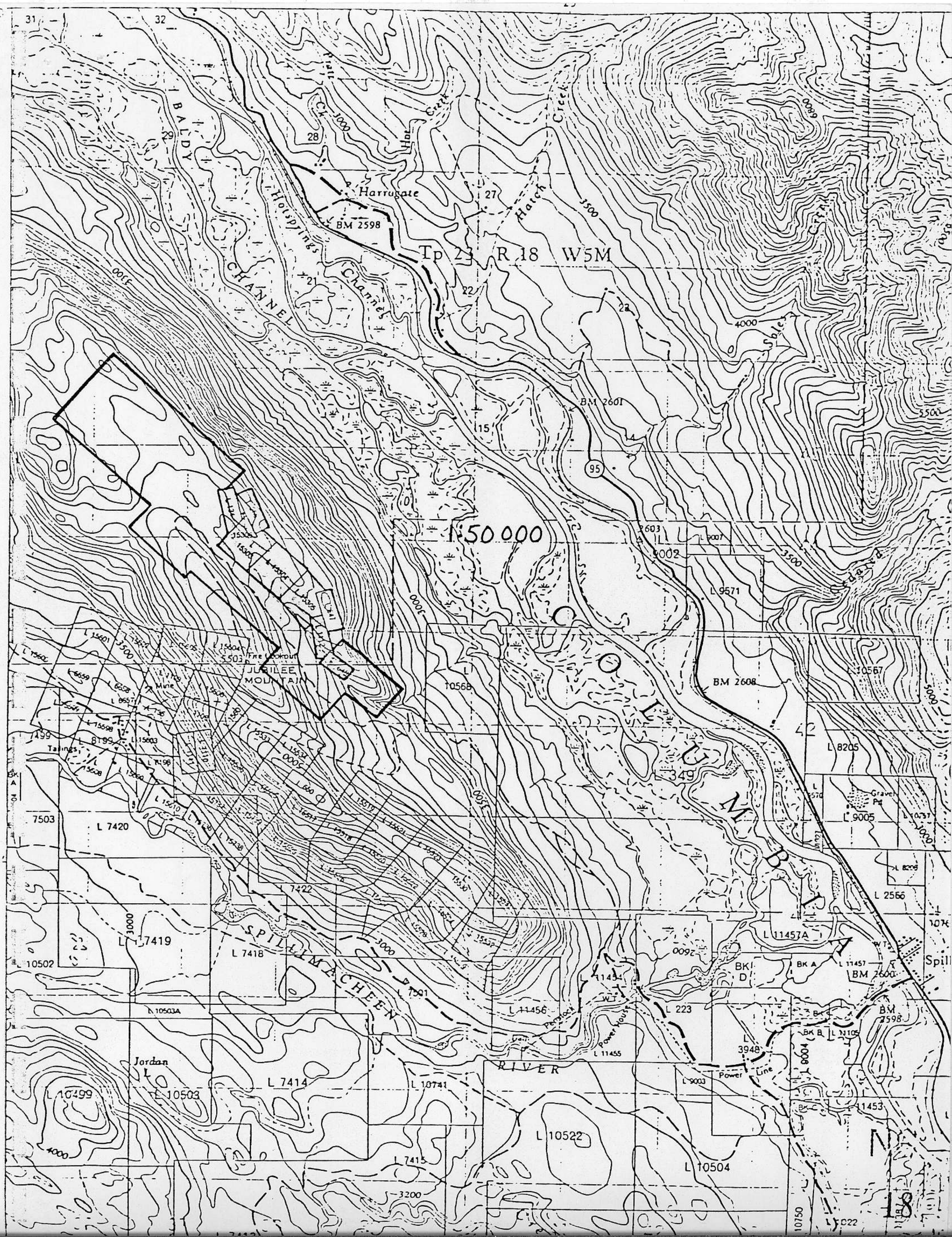
CONCLUSIONS AND RECOMMENDATIONS: The area to date has only revealed small pods of sub-economic sulphides and barite. Potential still exists for the prospect, but at this time no further work is recommended.

SUMMARIZED BY: W. Thompson DATE: 1982 December 10

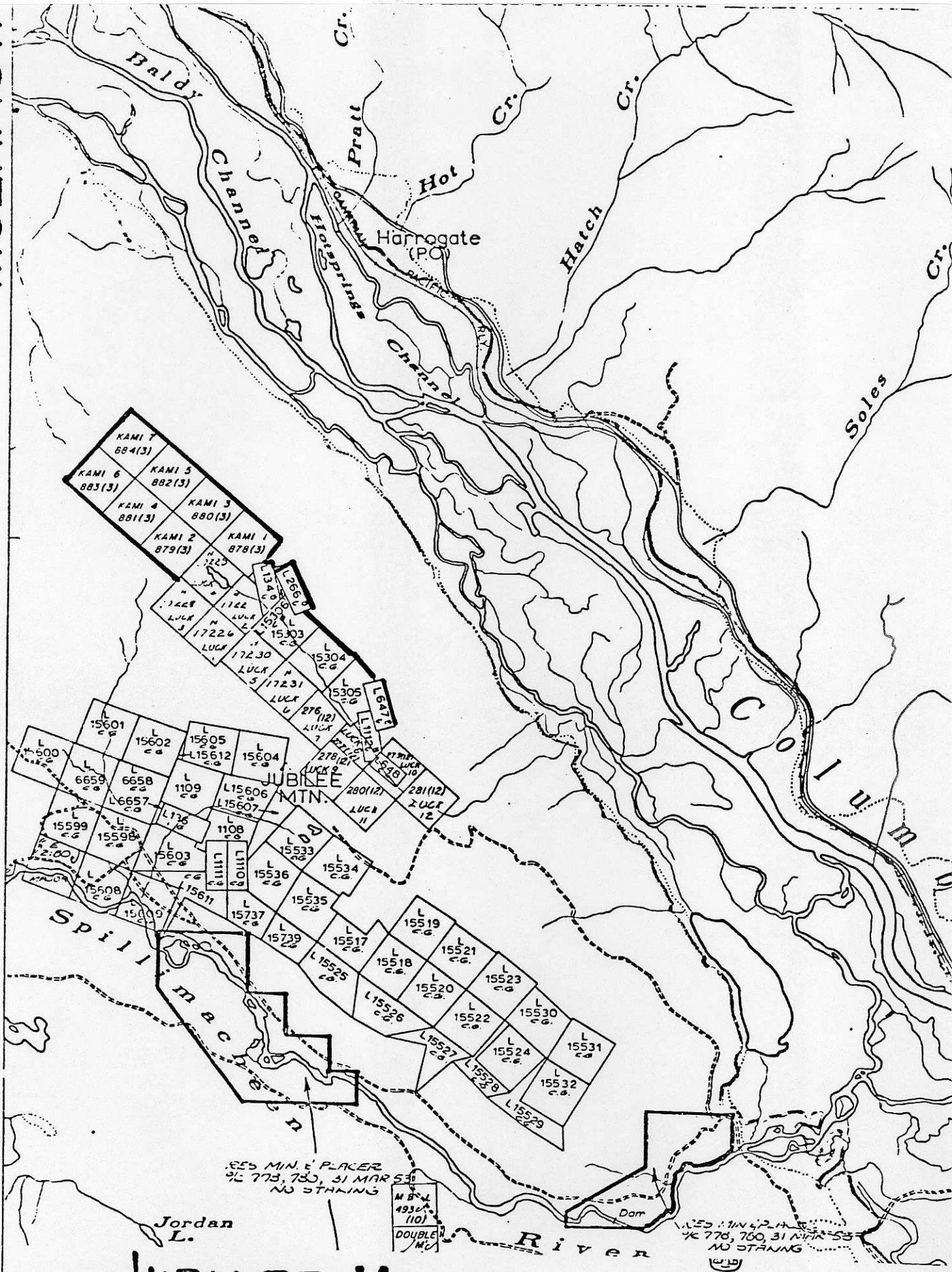
DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
JUBILEE MOUNTAIN

Description	Total Project Costs
Geology	$ 48,539
Geophysics	11,952
Geochemistry	3,754
Line Cutting	11,171
Staking	5,216
Drilling	133,209
Road Access	3,116
Legal Survey	890
Holding Costs	5,957
Head Office	13,092
Other	955
Total Expenditures	$ 237,851


1:250 000
CONTINENTAL RANGES
(ROCKY MOUNTAINS)
KOOTENAY
NATIONAL
PARK
Harrogate
Spillimacheen
Brisco
Luxor
Edgewater
Radium Hot Springs
Radium
Wilmer
Shuswap
Windermere
Invermere
Athalmer Beach Prov Pk
Kootenay Crossing
Luxor Pass
Mount Wardle
Mount Norman
Mount Berland
Mount Ethelbert
Horel Mountain
Mount Galloway
Gwendoline Mtn
Mount Scarlett O'Hara
Mount Forster
Mount Stockdale
Mount Farnham
Mount Slade
Mount Bruce
Mount Nelson
Mount Teyman
Mount McCoubrey
Mount Gobre
Glacier Dome
Taurus Mtn
The Vaux
Irish Peaks
Cartwright Lake
Big Fish L
Lake Enid
Lake Eileen
COLUMBIA
STEAMBOAT MOUNTAIN
CANADIAN PACIFIC
RIVER
Creek
Dry Gulch Prov Pk
Shuswap IR
Television
2616
2620
2606
2613
2608
93
95
4500
4000
5000
5500
3601
3504
8000
8500
45'
30'
51°0'



BALDY
CHANNEL
Hotsprings Channel
Harrugate
BM 2598
Hatch Creek
Tp 23 R 18 W5M
BM 2601
95
1:50 000
COLUMBIA
BM 2608
L 9571
L 10567
L 10568
L 8205
L 349
Gravel Pit
L 9005
Fire Lookout
5503
JUBILEE MOUNTAIN
Mine
Tailings
L 8199
7503
L 7420
L 7419
L 7418
L 7422
L 7501
L 10502
L 10503A
SPILLIMACHEEN
RIVER
Jordan L
L 10499
L 10503
L 7414
L 10741
L 7415
L 10522
L 10504
L 11456
Penstock
Power House
L 11455
L 223
L 11457A
BK A
BK D
BM 2600
BM 2598
L 3948
Power Line
L 9003
L 11453
L 2566
Spill
3000
3500
4000
5000
5500
6800
3200
18



JUBILEE MNTN.

LEGEND

- CROWN–GRANTED MINERAL CLAIM
- REVERTED C.G. MINERAL CLAIM
- FORFEITED MINERAL CLAIM
- VERIFIED LEGAL CORNER POST
- LEGAL SURVEY
- LEGAL CORNER POST & TAG NUMBER

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

Miles 1 5 0 1 2 Miles

Metres 1000 500 0 1000 2000 3000 Metres

Kilometres 1 .5 0 1 2 3 Kilometres

19

DEKALB MINING CORPORATION
PROJECT SUMMARY

LA FRANCE CREEK, B.C. 4454042 — ZINC, LEAD SILVER, GOLD

LOCATION:

NTS: 82F10
LATITUDE: 49°33'N
LONGITUDE: 116°40'W
POINT OF REFERENCE: The property lies on the east side of Kootenay Lake about 14 km northeast of Boswell.
ACCESS: By 4 wheel drive vehicle about 15 km on logging roads along La France Creek, east from Hwy. 3A.

PROPERTY DESCRIPTION:

NUMBER OF CLAIMS: 15 two post claims.
AREA: 300 ha.
RECORDING DATE: Various dates.
EXPIRY DATE: 1990 January to November.
OWNERSHIP: Mr. & Mrs. Eric Denny
COMMITMENTS: $3,000 annual option payment, $50,000 per year work commitment (excess from previous years credited to subsequent years), subject to 2 1/2% net smelter royalty.
VENDORS: Eric and Peggy Denny, R.R.#1, Nelson, B.C. (604) 825-4480.
OWNERSHIP OF OPTIONS:

DEKALB Mining Corporation	78.86%
NICOR Mineral Ventures, Inc.	21.14%

EXPLORATION HISTORY: Work in the late 1800's and early 1900's resulted in several extensive adits and numerous open cuts. In 1976 Serem Ltd. did limited geochemical, geophysical and geological surveys. In 1978 and 1979 DeKalb drilled a total of 1023 meters in 13 BQ sized holes and in 1981 did an induced polarization survey and drilled an additional 354 meters in 4 NQ sized holes.

The property was mapped at a scale of 1:2500 and approximately 15 km of new lines were cut. A geochemical survey was conducted on the lines. 873 soil samples were collected with 65 rock samples. The samples were analysed by Atomic Absorption for gold and silver.

REGIONAL GEOLOGY: The property lies in the east central portion of the Kootenay Arc which contains a succession of Late Proterozoic and Early Paleozoic metasediments in a northerly-trending, west-facing arc centered on Kootenay Lake. Several significant lead and zinc producers have been found in the succession, particularly in the Cambrian Badshot/Reeves Formation Carbonates.

LA FRANCE CREEK, B.C. - Continued

LOCAL GEOLOGY: The claim group is underlain by Upper Proterozoic rocks of the Windermere and Purcell Supergroups. The formations have a northerly strike and are generally steeply dipping to the east or west. The oldest rocks occur on the eastern border and consist of Lower Purcell Group, Kitchener - Siyeh Formation sandstone and quartzite. Formations are progressively younger towards the west with Dutch Creek Formation argillite and carbonate and Mount Nelson Formation dolomite and quartzite; Windermere Group, Toby Formation conglomerate, Irene Formation andesite and Horsethief Creek Formation argillite and sandstone.

MINERALIZATION: In the old workings in the northeast part of the claims the mineraliation occurs in Dutch Creek Formation carbonates and consists of pyrite, galena and sphalerite with minor tetrahedrite and chalcopyrite as fine-grained disseminations in veins and as localized disseminations in silicified limestone. Diamond drilling in the southeast part of the claims has revealed Dutch Creek Formation carbonate with weakly disseminated pyrite galena and sphalerite with anomalous gold values in a zone over 30 meters thick. In the nine 5 foot samples collected throughout the zone, gold values ranged from a low of 236 ppb to a high of 348 ppb. In the overlying argillite a zone of weakly disseminated sphalerite in thin limestone beds averaged 0.4% zinc over 25 meters. Reassaying indicated that the high gold values may have been from contaminated standards in the assay labs. There still are some anomalies to be considered.

EXPENDITURES: As of August 31, 1982 $263,722

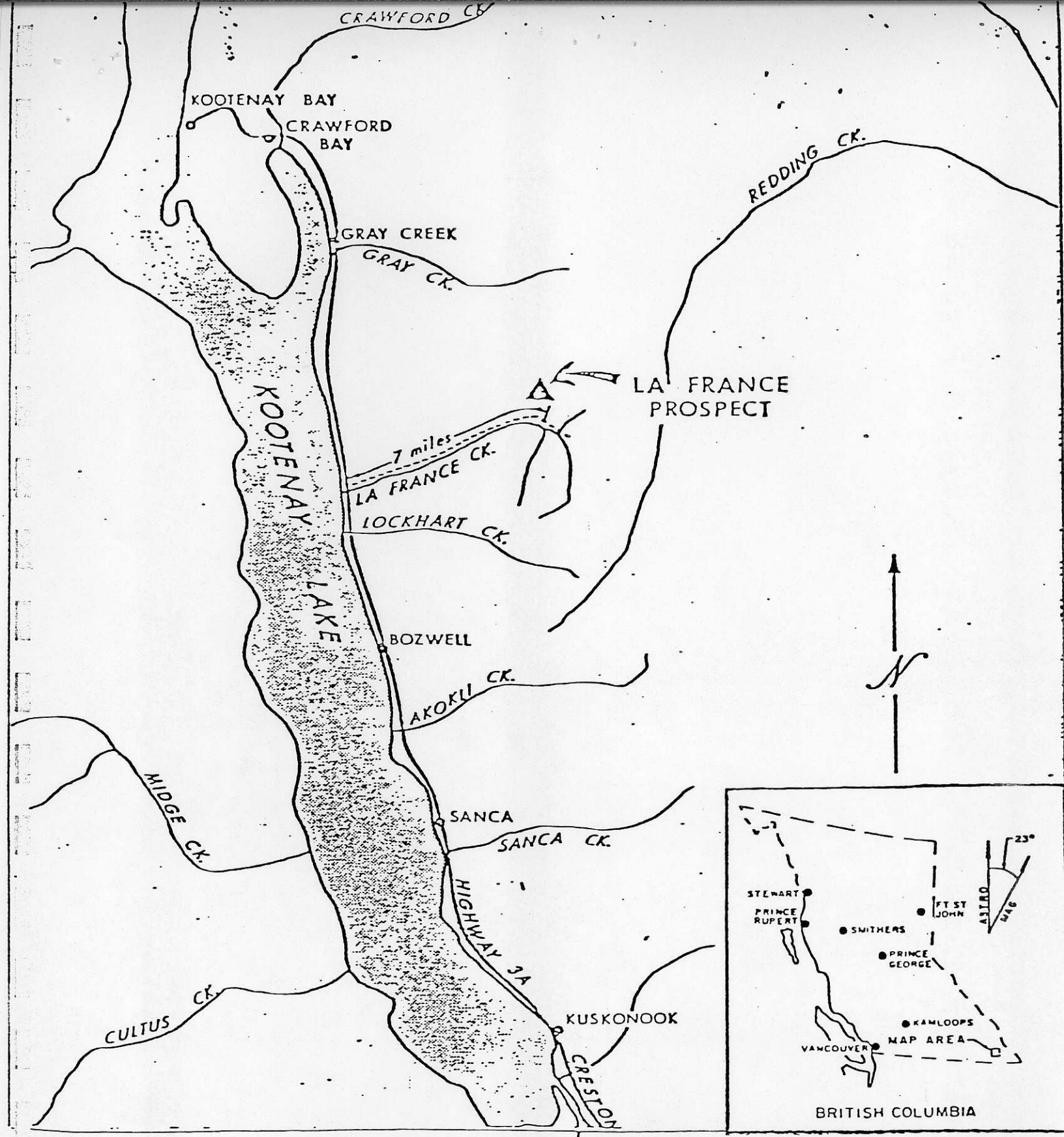
RECOMMENDED EXPLORATION: Several geochemical anomalies still exist. These should be followed up on the ground by trenching, rock sampling, and prospecting.

SUMMARIZED: J. Ayer DATE: 1982 April 02

REVISED BY: W. Thompson DATE: 1982 December 07

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
LA FRANCE CREEK

Description	Total Project Costs
Geology	$ 57,539
Geophysics	31,252
Geochemistry	12,886
Line Cutting	4,746
Staking	-
Drilling	117,524
Road Access	9,345
Trenching	1,187
Holding Costs	18,820
Overhead Costs	10,423
Total Expenditures	$ 263,722

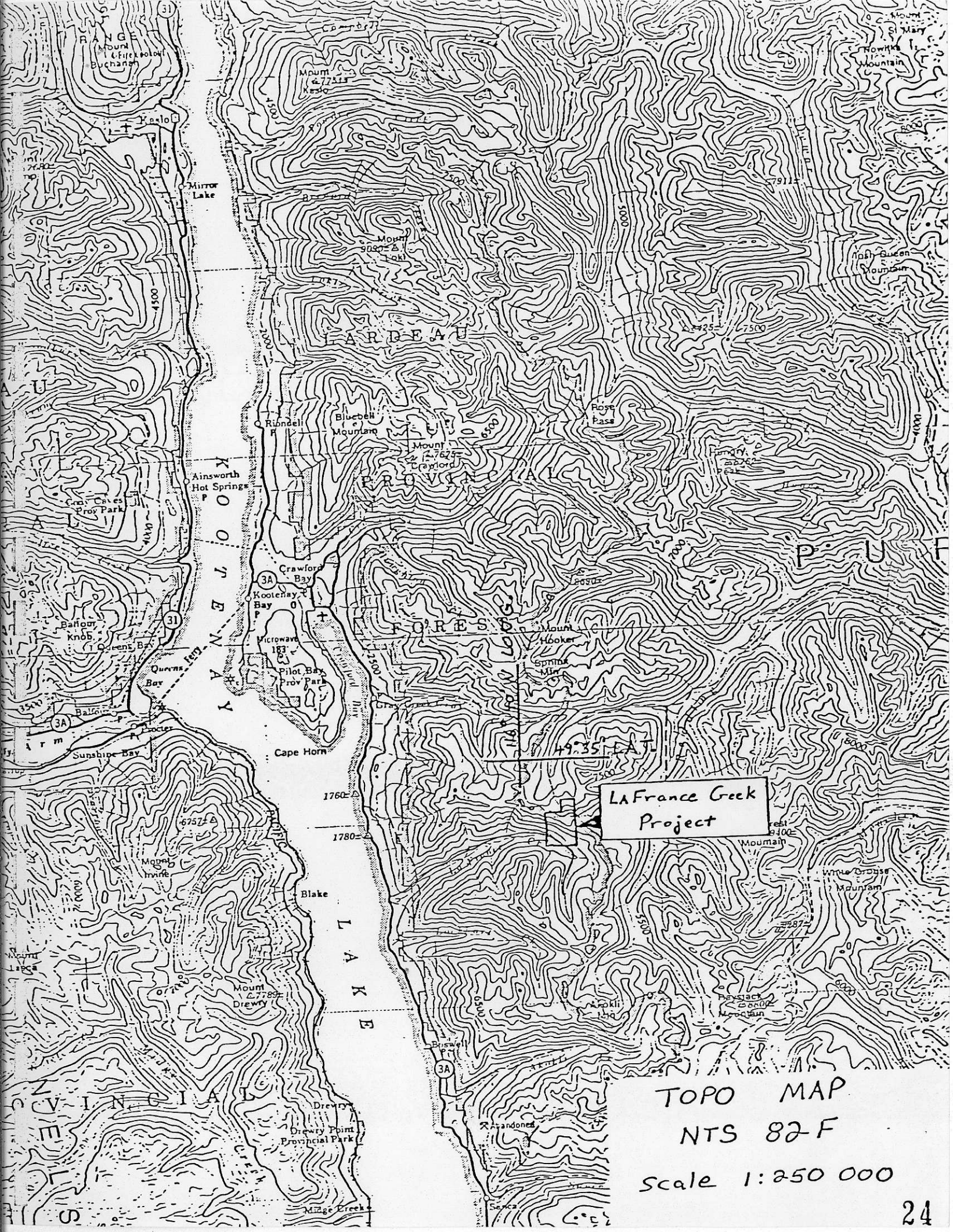


DEKALB MINING CORPORATION

LA FRANCE CK. PROSPECT
BRITISH COLUMBIA

FIGURE 1
INDEX MAP

NTS MAP: 82-F-10


LA France Geek Project
49°35' LAT.
TOPO MAP
NTS 82-F
Scale 1:250 000

TOPO. MAP. NTS 82F10 1:50 000

This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official. Corrections or additions are invited by the Survey and Mapping Branch.

Cette carte provisoire équivaut une carte régulière au point de vue précision de l'information

Certains noms inscrits sur cette carte ne sont pas encore officiels. La Direction des levés et de la cartographie saurait gré au public de lui signaler corrections et additions.

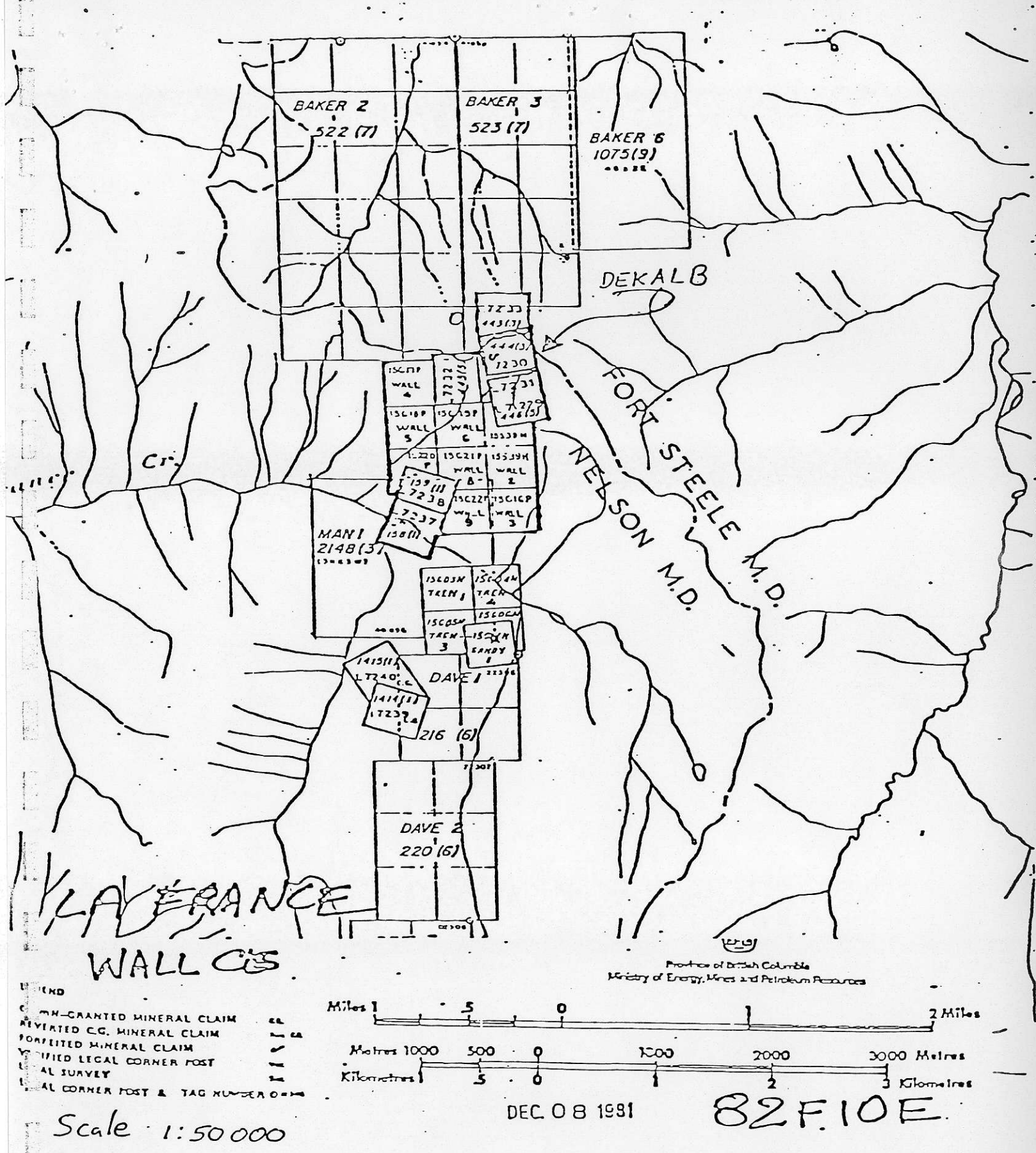
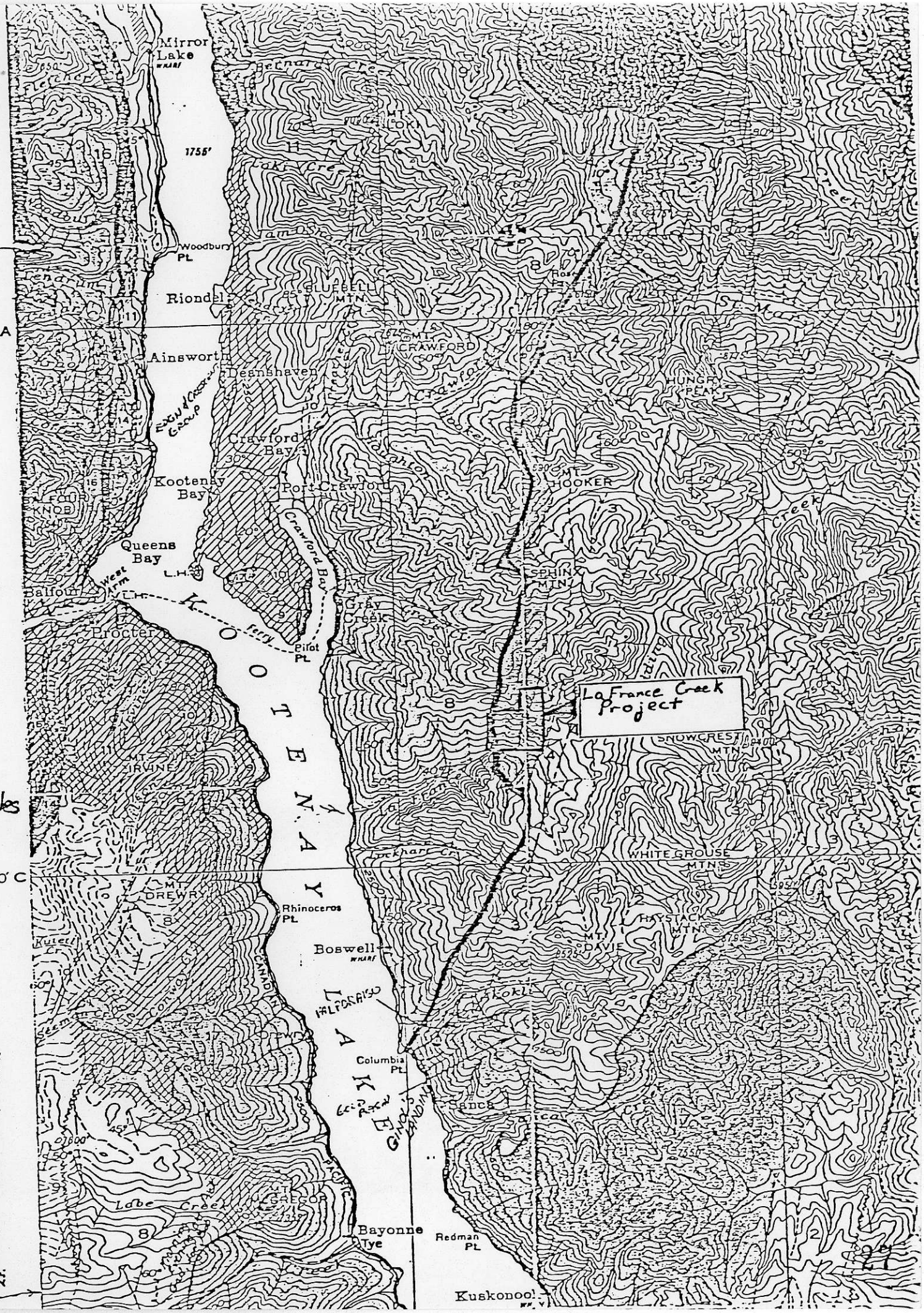


FIGURE 2: CLAIM MAP


Mirror Lake
Woodbury PL
Riondel
GLUEBELL MTN
45° A
Ainsworth
Deanshaven
Crawford Bay
Kootenay Bay
Port Crawford
KNOB
Queens Bay
L.H.
West Arm
Balfour
Procter
Pilot PL
K O O T E N A Y
Gray Creek
SPHINX MTN
MT. HOOKER
HUNGRY PEAK
MT. CRAWFORD
LaFrance Creek Project
SNOWCREST MTN
WHITE GROUSE MTN
MT. IRVINE
MT. DREWRY
30° C
Rhinoceros PL
Boswell
HAYSTACK MTN
MT. DAVIE
Columbia PL
Sanca
Bayonne
Tye
Redman PL
Kuskonook
Lobe Creek
Gateson
Creek
Lake

PALAEOZOIC AND MESOZOIC

MESOZOIC

TRIASSIC

SLOCAN SERIES

16 — *Slate, argillite, quartzite, limestone; schists*

KASLO SERIES

15 — *Lavas, tuffs, breccias; allied intrusives; schists*

PALAEOZOIC AND MESOZOIC

UPPER CARBONIFEROUS AND TRIASSIC

MILFORD GROUP

14 — *Slate, argillite, chert, limestone; schists; some greenstone*

PALAEOZOIC

CAMBRIAN

LOWER CAMBRIAN

13 — *EAGER FORMATION: olive-green, purple and grey shale*

12 — *CRANBROOK FORMATION: silicious, white, rose, purple and grey quartzite and conglomerate*

PROTEROZOIC (LATE PRECAMBRIAN)

WINDERMERE

LARDEAU SERIES

11 — *Micaceous and chloritic schists; quartzite and limestone; paragneiss*

10 — *BADSHOT FORMATION: magnesian limestone*

HAMILL SERIES

9 — *Grey, green and white, silicious quartzite*

HORSETHIEF CREEK SERIES

8 — *Green, argillaceous quartzite; blue-grey limestone, arkose, pebble conglomerate*

7 — *IRENE VOLCANIC FORMATION: sheared, andesitic volcanic rocks*

6 — *TOBY FORMATION: conglomerate*

PURCELL

UPPER PURCELL

5 — *MOUNT NELSON FORMATION: laminated argillite, magnesian limestone, quartzite*

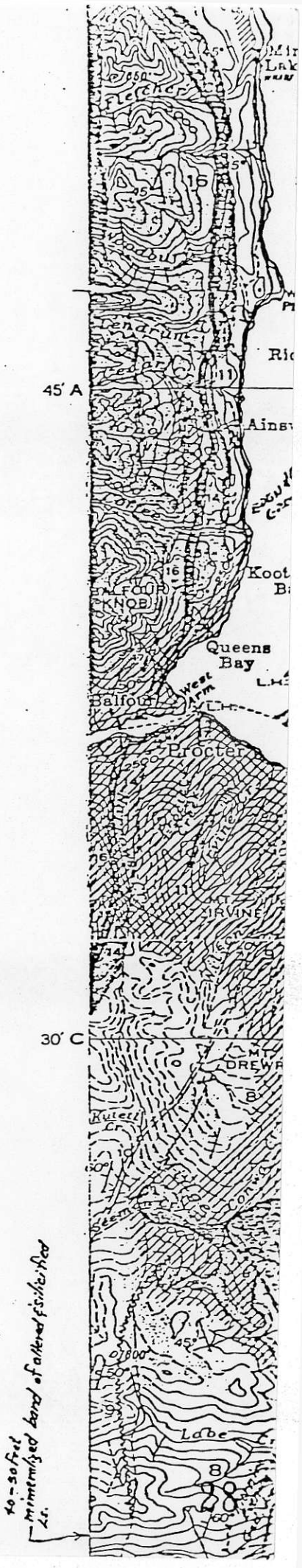
4 — *DUTCH CREEK FORMATION: laminated argillite, magnesian limestone, quartzite*

LOWER PURCELL

3 — *KITCHENER–SIYEH FORMATION: chiefly varicoloured magnesian limestone and argillite; calcareous quartzite*

2 — *CRESTON FORMATION: green, purple and grey, argillaceous quartzite; some argillite*

1 — *ALDRIDGE FORMATION: grey, rusty-weathering, argillaceous quartzite and argillite*



DEKALB MINING CORPORATION
PROJECT SUMMARY

McDAME CREEK, B.C. — LODE GOLD

LOCATION:

NTS: 105 P5E
LATITUDE: 59°15'N
LONGITUDE: 129°35'W
POINT OF REFERENCE: The property lies about 4 km north of McDame Creek and extends from Quartzrock Creek to Hot Creek. The centre of the property lies about 12 km east of the town of Cassiar, B.C.
ACCESS: Access is mainly by helicopter from Watson Lake or Dease Lake.

PROPERTY DESCRIPTION:

Number of Claims: The DeKalb 1-6 claims make a contiguous block of 120 units.
Area: 2,850 ha.
Recording Date: 1980 March 26.
Expiry Date: 1985 March 26.
Ownership: DEKALB Mining Corporation: 58.88%
NICOR Mineral Ventures, Inc. 41.12%
Commitments: None.

EXPLORATION HISTORY: The area has been known for its Placer and Lode gold mining since 1874. Presently the Cassiar area has several operating mines, some of which are on a stop-go basis. DeKalb recognized the potential of the area and staked a relatively large block of ground. In 1981 an interesting quartz vein was discovered in the course of a regional prospecting and geochemical survey. The 1982 follow-up program revealed more quartz veins in a line cutting, soil sampling, very low frequency, and trenching program that was not completed.

how wide how long? values?

REGIONAL GEOLOGY: The DeKalb 1-6 claims are underlain by a folded series of Upper Devonian metasediments and lower Mississippian volcanic rocks. These rocks are cut by lenses, sills and stocks of ultra basic rocks.

LOCAL GEOLOGY: The western half of the claims are primarily highly folded metasediments of the Sylvester group. These are cut by lenses and sills of ultrabasic rock. The eastern portion of the property is similar to the western with larger portions of ultramafic rocks and a small plug of a hornblende-feldspar porphyritic intrusive. Small quartz veins are numerous in both the east and west portions of the property.

McDAME CREEK, B.C. - Continued

One significant vein containing "Listvanite" was exposed in the eastern portion of the property and this vein has been the focus of attention in the 1982 program.

MINERALIZATION: Mineralization encountered in and around quartz veins included magnetite, chromite, fuchsite, chalcopyrite, malachite, pyrite and arsenopyrite all in relatively minor quantities. Significantly gold values as high as 0.06 ounce per ton were encountered in the limited amount of trenching that was done. Numerous silt samples returned gold values better than 30 ppb with one as high as 680 ppb. (.02 ozs/ton Au)

EXPENDITURES: As of August 31, 1982 $187,800

RECOMMENDED EXPLORATION:

1. Improve the trail built to the prospect to a point where it can be used as a service road.
2. Follow up by prospecting and detailed sampling of silt geochemical anomalies.
3. More concentrated trenching in the main area of quartz veining where some trenching and sampling has already been done to try to develop a good drill target.

SUMMARIZED BY: W. Thompson DATE: 1982 December 07

relinkman

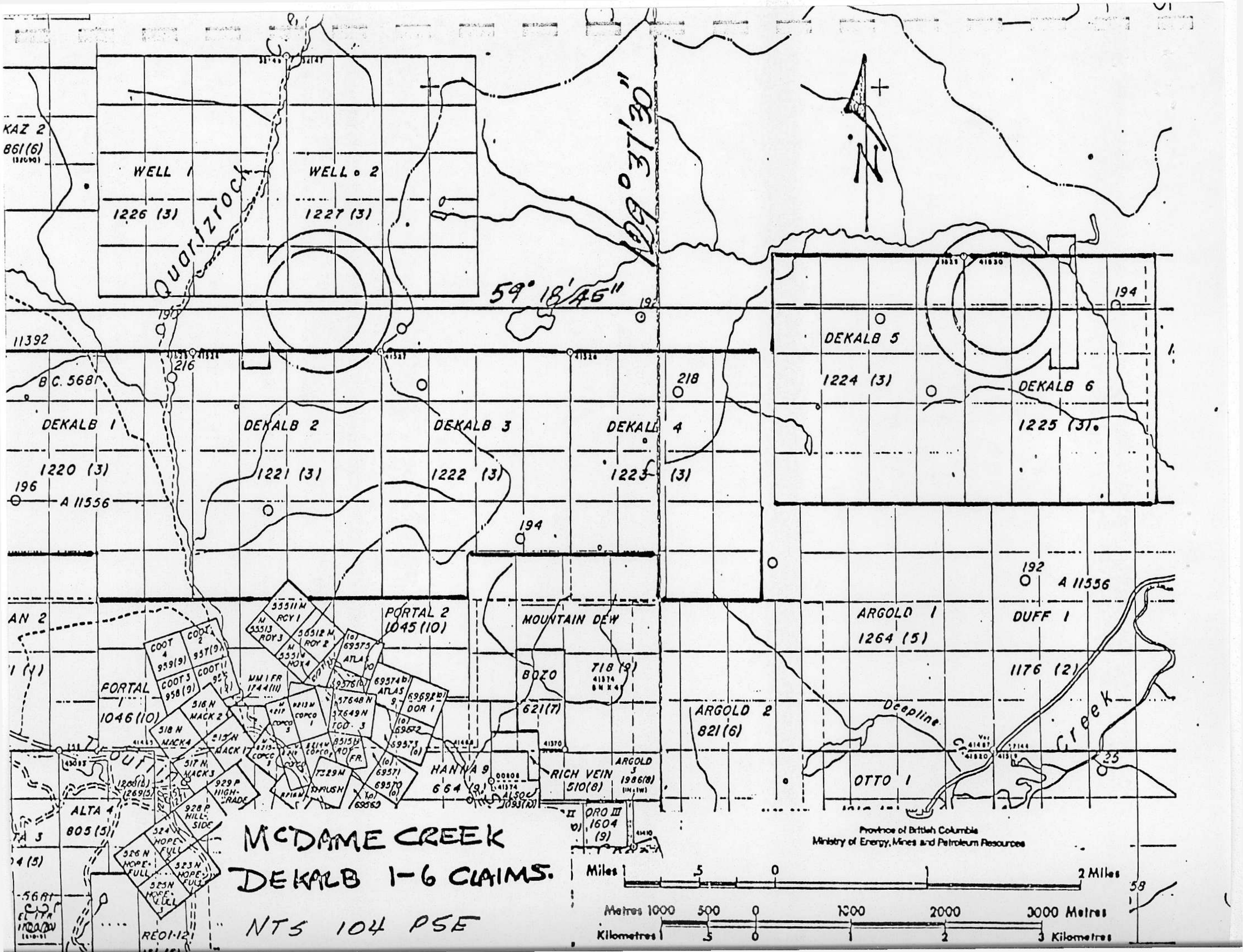
This description fails to describe length and width of the veins. The values encountered were "as high as 0.06 ounces gold per ton" which is not, generally speaking, high enough to be of interest especially in a vein type situation. Silt samples were as high as 680 ppb. which is also of doubtful interest.

CEW

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
McDAME CREEK

Description	Total Project Costs
Geology	$ 82,571
Geophysics	20,591
Geochemistry	25,225
Line Cutting	7,333
Staking	-
Drilling	3,104
Trenching	19,191
Road Access	-
Expediting	2,317
Holding Costs	18,605
Overhead Costs	8,863
Total Expenditures	$ 187,800


DEKALB 1-6 CLAIMS.
DEKALB 1-6 CLAIMS LOCATION MAP.
Scale – 1 : 600 000
(1 cm = 6km)
10 0 10 20 30 40 50 60 70 kilometres
DEASE
MT. MC DAME 2012
Troutline Cr.
LIMESTONE PK. 1985
Callison L
Cook L
Vines L
McDame
MT. HASKIN
Good Hope L
BLACKFOX MTN. 2140
MT. PENDLETON 2164
SYLVESTER PK. 1806
Rapids
Pinetree L
Joe Irwin L
SPHINX MTN. 2101
PYRAMID MTN.
SPIKE MTN.
MT. DALTON 2215
BEALE MTN. 2225
ASH MTN. 2125
High Tuya L
Butte L
MT. MC GAVIN 1976
Ed Asp Cr.
Ed Asp L
MT. JOSEPHINE 1767
Tuya L.
MT. COULAHAN 1887
Hankin L
Canyon
Porcupine
Mosquito
Creek
Thibert
MT. RATH 1901
FRENCH RANGE
Killarney L
Slate Cr.
Little Dease
Cow Lakes
Halfmoon
Eagle River
Dalton
Meek L
Four Mile
Beale L
Three Fork Cr.
Two Fish Cr.
Hard Cr.
TATSHO MTN.
TANZILLA BUTTE 1533
Cariboo
Snowdrift Cr.
Turnagain L
Tanzilla
Hluey Lakes
Thirsty Mile L
Horseranch L
Harvey L
BOYA LAKE PARK
HORSERANCH RANGE
Blue River
Marla Cr.
Cottonwood
North
Dease
37
121
FIG: 1



McDAME CREEK
DEKALB 1-6 CLAIMS.
NTS 104 P5E
WELL 1
1226 (3)
WELL 2
1227 (3)
Quartzrock
59° 18' 45"
129° 37' 30"
N
DEKALB 1
1220 (3)
DEKALB 2
1221 (3)
DEKALB 3
1222 (3)
DEKALB 4
1223 (3)
DEKALB 5
1224 (3)
DEKALB 6
1225 (3)
KAZ 2
861 (6)
11392
B.C. 5681
196
A 11556
216
218
194
192
PORTAL 2
1045 (10)
MOUNTAIN DEW
718 (9)
BOZO
621 (7)
ARGOLD 1
1264 (5)
DUFF 1
1176 (2)
ARGOLD 2
821 (6)
Deepline Cr.
Creek
OTTO 1
RICH VEIN
510 (8)
ARGOLD 3
1986 (8)
HANNA 9
664
FORTAL 1
1046 (10)
ALTA 4
805 (5)
ORO III
1604
(9)
COOT 4
959 (9)
COOT 3
958 (9)
MACK 2
MACK 4
MACK 3
929 P HIGH-GRADE
928 P HILL-SIDE
HOPE-FULL
ATLAS
DOR 1
COPCO
ROY 1
ROY 2
ROY 3
Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
Miles 1 .5 0 1 2 Miles
Metres 1000 500 0 1000 2000 3000 Metres
Kilometres 1 .5 0 1 2 3 Kilometres

DEKALB MINING CORPORATION
PROJECT SUMMARY

POOLEY CREEK, B.C. AFE 4554663 PLACER GOLD

LOCATION:
NTS: 104 P4F
LATITUDE: 59°15'N
LONGITUDE: 129°35'W
POINT OF REFERENCE: The property lies approximately 18 km southeast of Cassiar, B.C.

PROPERTY DESCRIPTION:
Number of Leases: 10 contiguous placer leases.
Area: 500 ha.
Recording Date: 1980 December 31.
Expiry Date: 1982 December 31.
Ownership: DEKALB Mining Corporation 57.85%
NICOR Mineral Ventures, Inc. 42.15%
Commitments: None

EXPLORATION HISTORY: In 1981 A.J. Morris for DeKalb, excavated by hand several small pits and panned the creek. In 1982 W. Thompson for DeKalb/Nicor, panned Pooley Creek, with a backhoe excavated and sampled 7 pits, mapped the location of the claims, and constructed a bulldozer trail down the property from the end of a road built by Cusac Industries.

GEOLOGY: The area is underlain by sediments and volcanics of the Sylvester Group. The sediments overlying the rocks in the Pooley Creek valley are mostly glacial. These have been washed and locally sorted by recent river action. Typically bedrock is overlain by a hardpan made up of glacial rock powder with rounded boulders and pebbles. This glacial hardpan is overlain by river gravel, sand and clay.

MINERALIZATION: The headwaters of Pooley Creek are noted for lode gold veins that are presently being mined by Cusac Industries Ltd. The gold occurs both in sulphides and as free gold. The placer gravel tested was disappointingly poor in gold. The few specs of gold found were small and well flattened. None of the samples produced enough gold to weigh.

EXPENDITURES TO Date: As of 1982 August 31 $55,239.

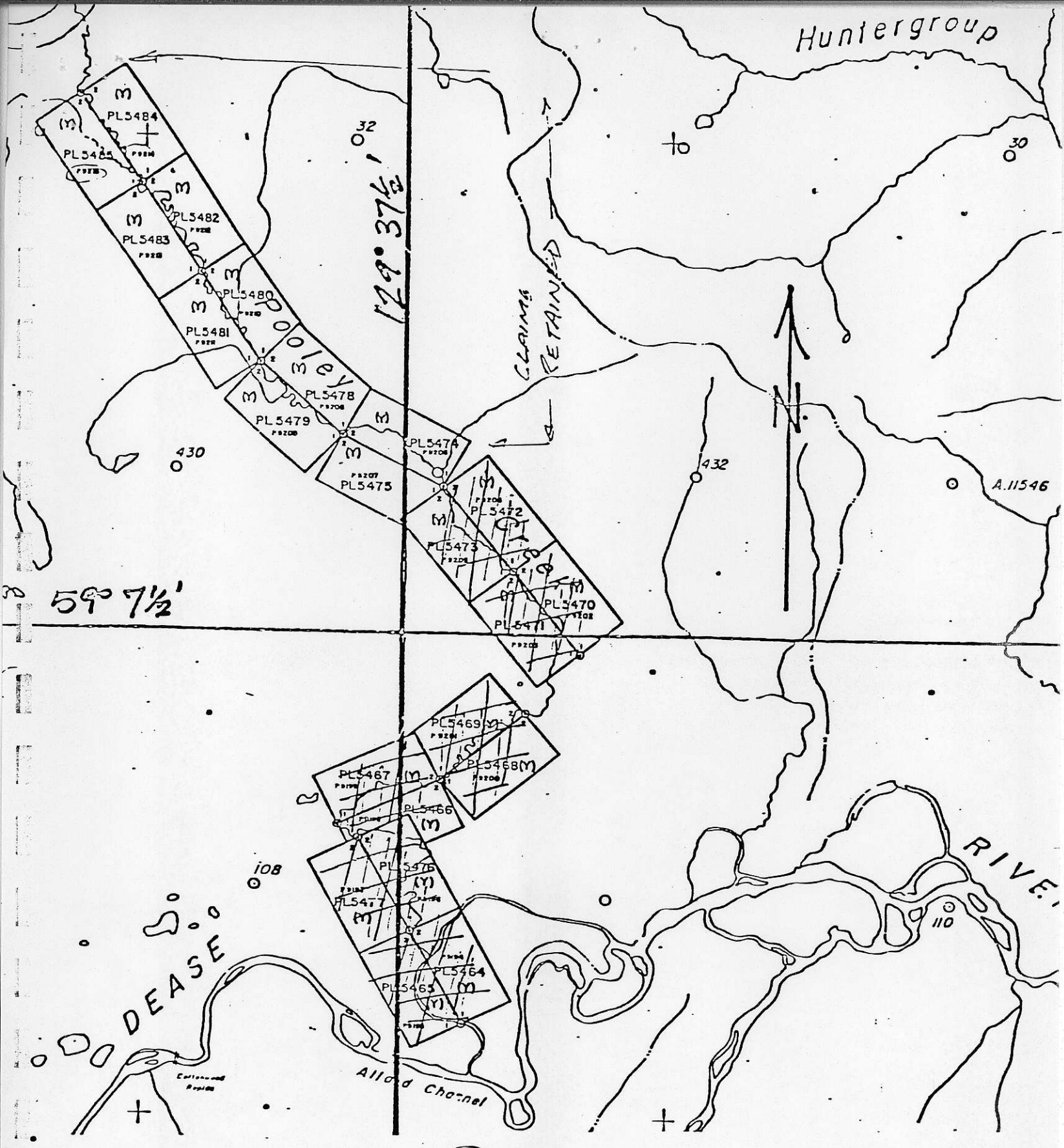
CONCLUSIONS AND RECOMMENDATIONS: Most of the gold that was actually recovered and observed was found in the lower reaches of the Creek above the canyon area. A meandering Pooley Creek may have concentrated some gold in its gravel, but these concentrations, if there are any, were not found in the 1982 program. The author feels at this time no further extensive work is warranted other than possibly sampling across the valley to locate potential placer concentrations that may be visualized.

SUMMARIZED BY: W. Thompson 1982 December 08

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
POOLEY CREEK

Description	Total Project Costs
Geology	$ 22,426
Geophysics	6,348
Geochemistry	7,634
Line Cutting	138
Staking	4,435
Drilling	-
Trenching	6,518
Road Access	138
Expediting	-
Holding Costs	4,139
Overhead Costs	3,463
Total Expenditures	$ 55,239

DEKALB MINING CORP.
PROPERTY LOCATION
MAP
SCALE: 1:600,000.



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

104 P/4E.

Miles 1 0 1 2 Miles

Metres 1000 500 0 1000 2000 3000 Metres

Kilometres 1 0 1 2 3 Kilometres

UNLESS VERIFIED OR SURVEYED, THE MAP ... LEGAL CORNER POST IS BASED ON THE LOCATOR'S SK... THER INFORMATION, APPLY TO THE OFFICE OF THE M... CONCERNED.

DATE OF MICROFILM: 81-08-27

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DEKALB MINING CORPORATION
— CLAIM MAP

DEKALB MINING CORPORATION
PROJECT SUMMARY

TROUT LAKE JOINT VENTURE, B.C. 4454054

INTRODUCTION:

The Trout Lake Joint Venture was initiated in 1978 between DEKALB Mining Corporation and Union Oil Company of Canada, Limited. The project was to explore for molybdenum and other potentially economic mineral deposits in southern British Columbia. Several prospects were discovered, worked and abandoned. This summary only includes the prospects and anomalies worked on in 1982.

The following prospects are summarized in this report:

1. Makalu Prospect.
2. Bug 1 Prospect.
3. Beartree Prospect.
4. An anomaly follow-up program.

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
TROUT LAKE

PARTNERS:

Union Oil Company of Canada Limited (Operator)	-	50%
DEKALB Mining Corporation et al	-	50%
DEKALB Mining Corporation et al	-	50%
DEKALB Mining Corporation	-	99.13%
NICOR Mineral Ventures, Inc.	-	0.87%

Description	Total Project Costs
Geology	$ 353,699
Geophysics	-
Geochemistry	-
Line Cutting	4,457
Staking	10
Drilling	117,638
Road Access	-
Expediting	-
Holding Costs	-
Overhead Costs	36,868
Total Expenditures	$ 512,672
DEKALB Share of Expenditures	$ 259,385

DEKALB MINING CORPORATION
PROJECT SUMMARY

TROUT LAKE, B.C. 4454054 TUNGSTEN

LOCATION of Makalu Prospect
NTS: 82K14E
LATITUDE: 50°48'N
LONGITUDE: 117°10'W
POINT OF REFERENCE: The center of the claim group is located about 80 km east-southeast of Revelstoke, B.C.

ACCESS: Access is via the Duncan River Forest River Road which connects onto Highway 31 at Copper Creek.

PROPERTY DESCRIPTION:

NUMBER OF CLAIMS: One twenty unit claim, and nine two-post claims.
AREA: 725 ha.
RECORDING DATE:) Managed by
EXPIRY DATE:) Union Oil Company of Canada Limited
OWNERSHIP: Registered Owner is Union Oil Company of Canada Limited.
COMMITMENTS: None.

OWNERSHIP OF OPTIONS:

Union Oil Company of Canada Limited	50%
DEKALB Mining Corporation et al	50%

EXPLORATION HISTORY: During a preliminary geological and geochemical survey carried out in 1980 small skarn zones and geochemically anomalous areas were discovered along the south margin of a granodiorite stock. The highest anomalies were obtained in close proximity to known mineralized outcrops. The 1982 program involved geological mapping and geochemical follow-up on the 1980 anomalies.

REGIONAL GEOLOGY: The area is predominantly underlain by highly deformed metasedimentary rocks of the Windermere Horsethief Creek Group. (G.S.C. Open File 432; J.O. Wheeler, 1977). Within the claim area these strata have been discordantly intruded by a small elliptical stock of biotite granodiorite, probably of cretaceous age. Carbonate horizons adjacent to the stock have been partly converted to skarn.

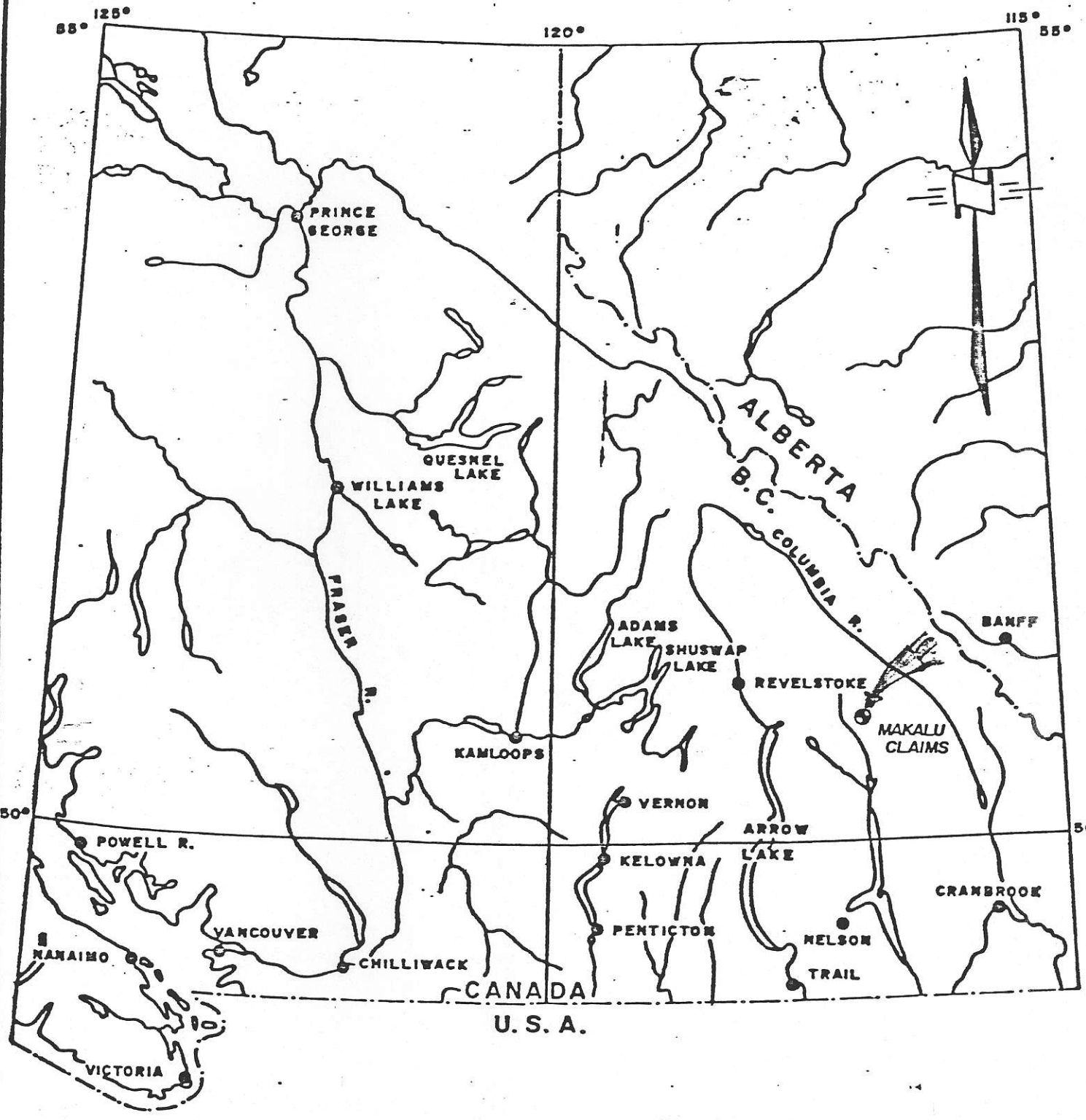
TROUT LAKE - MAKALU PROSPECT - Continued

MINERALIZATION: Minor pyrite disseminations, pyrite and very minor molybdenite in quartz veins were noted in a few locations within the granodiorite stock. Tungsten occurs in iron rich skarns as scheelite associated with pyrrhotite, pyrite, and chalcopyrite. Tungsten also occurs in highly silicified, dense, tremolite- bearing zone adjacent to the Makalu Plug. The tremolite-bearing zone also contains pods and lenses of dark green pyritic skarn.

CONCLUSIONS AND RECOMMENDATIONS: "Tungsten mineralization discovered to date on the Makalu Property is confined, for the most part, to small iron-rich skarns which occur peripheral to a small embayment of the Makalu Plug. Mineralized zones are low-grade, narrow, discontinuous and laterally confined.

Based on the negative results of extensive prospecting which was carried out within the claim area and on the low tenor and discontinuous nature of the mineralization discovered to date, no further work is recommended." (Gary Belik, M.Sc. November 01, 1982 - Report for Union Oil Company of Canada Ltd.).

SUMMARIZED by W. Thompson DATE: 1982 December 08



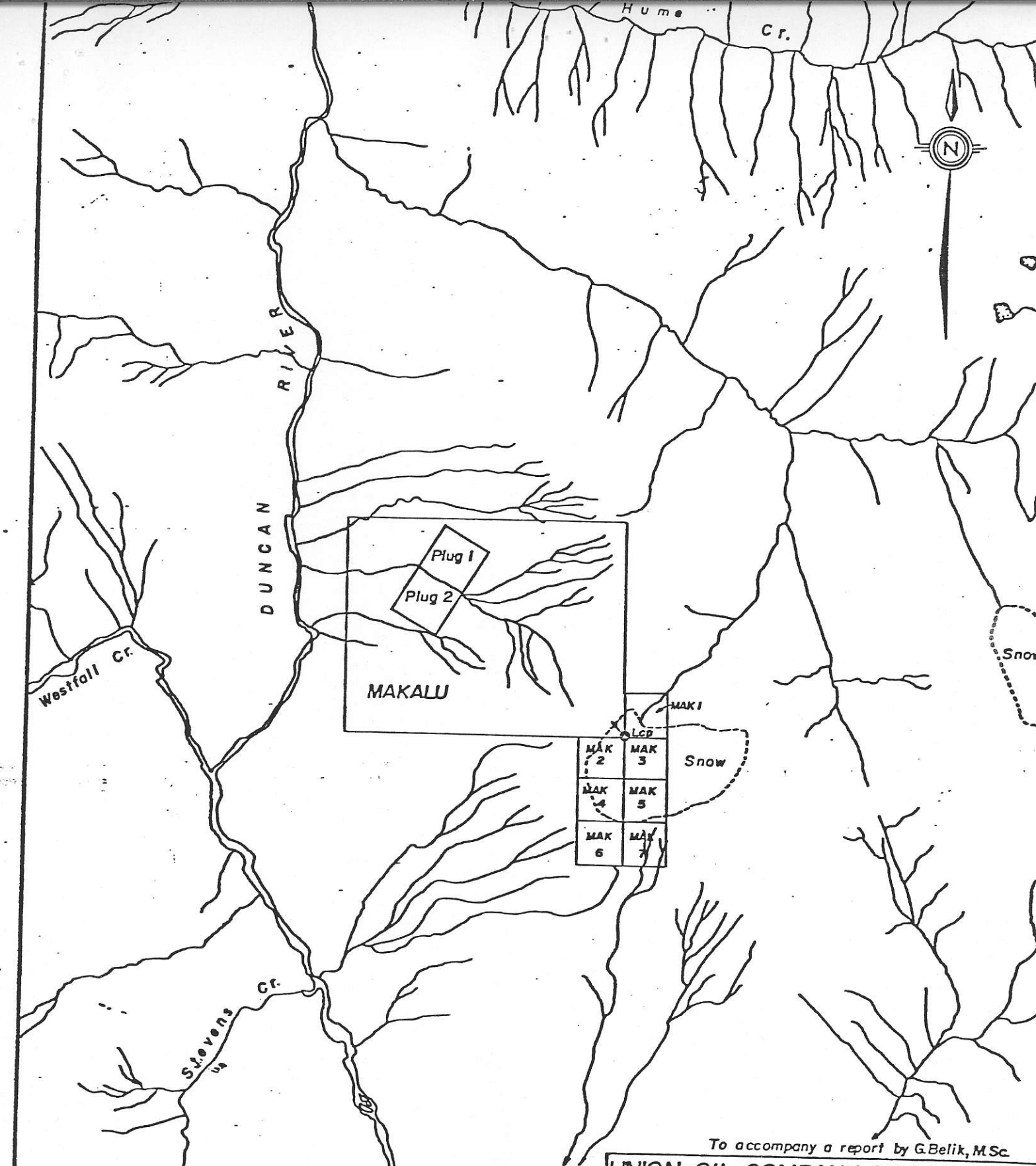
UNION OIL CO. OF CANADA LTD.

LOCATION MAP

MAKALU CLAIMS

SLOCAN MINING DIVISION, B.C.

Date: Sept. 1982	Scale: 1" = 64 Miles
Dwn by: W.G.	Dwg no. 1014-1



To accompany a report by G. Belik, M.Sc.

UNION OIL COMPANY OF CANADA LTD

CLAIM MAP

MAKALU CLAIMS

SLOCAN MINING DIVISION, B.C.

Tech. Work By: G. Belik and Assoc. Ltd.	Scale: 1:50,000
Drawn By: W.G.	Date: Oct., 1982
Approved By: G.B.	Fig No. 1014-2

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N.T.S NO.
82K/14E

TROUT LAKE, B.C. - Continued

LOCATION of Bug 1 Prospect, B.C.

NTS: 82K10
LATITUDE: 50°42'N
LONGITUDE: 116°56'W
POINT OF REFERENCE: The Bug 1 claim is located 95 km southeast of Revelstoke, B.C.

ACCESS: Access is by helicopter from Revelstoke.

PROPERTY DESCRIPTION:

NUMBER OF CLAIMS: One twenty unit claim.
AREA: 500 ha.
RECORDING DATE: October 20, 1981
EXPIRY DATE: Managed by Union Oil Company of Canada Limited
OWNERSHIP: Registered Owner is Union Oil Company of Canada Limited
COMMITMENTS: None

OWNERSHIP OF OPTIONS:

Union Oil Company of Canada Limited	50%
DEKALB Mining Corporation et al	50%

EXPLORATION HISTORY: A regional program of geochemical sampling and geological prospecting in 1981 identified an area with anomalous tungsten values. The 1982 helicopter supported program involved geochemical and geological surveys to follow-up previous results.

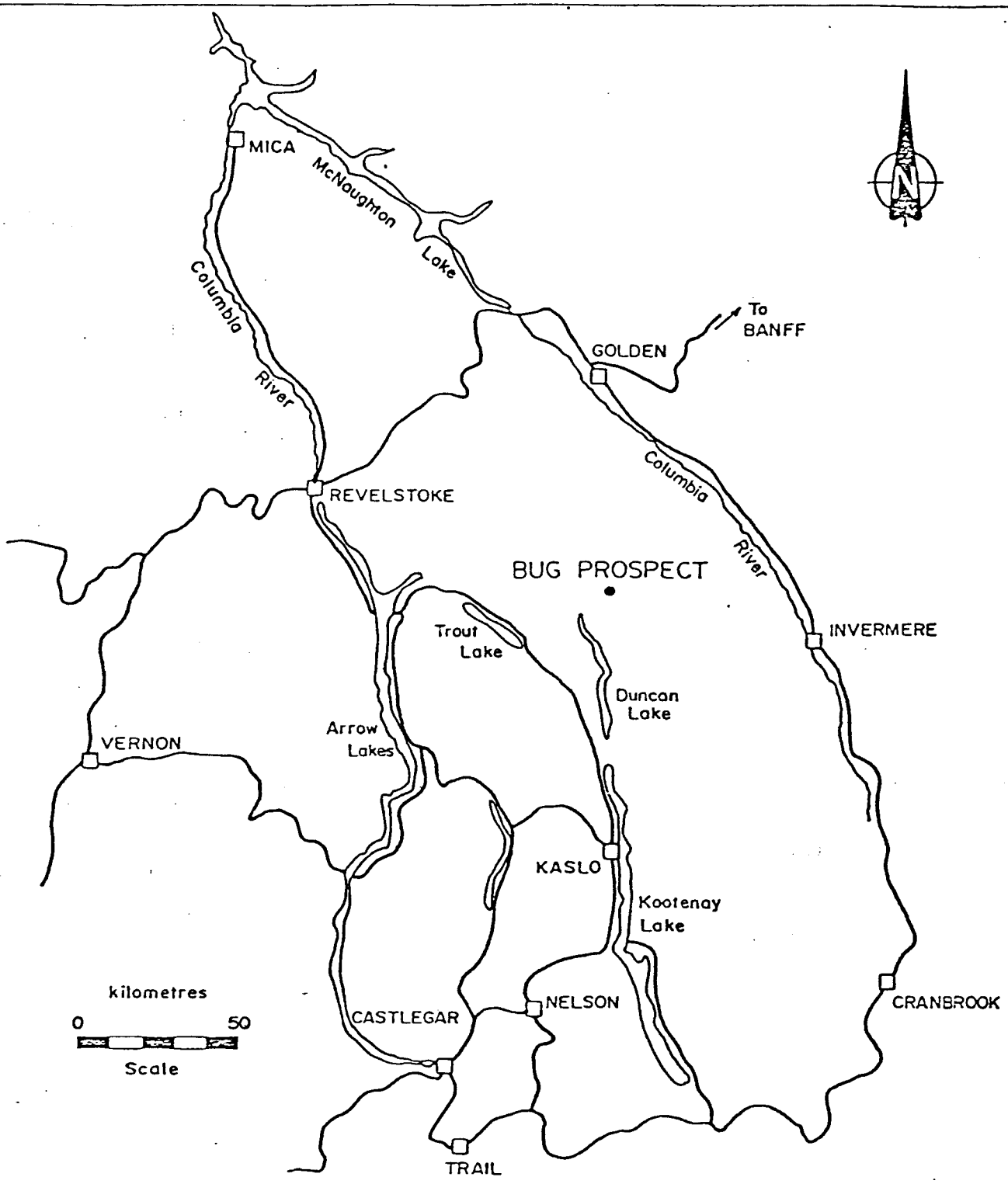
REGIONAL AND LOCAL GEOLOGY: The prospect is located within The Purcell Anticlinorium, a regional northwest trending structural culmination involving Proterozoic and Paleozoic sedimentary packages. These have been intruded by granitoid plutons of Jurassic and Early Cretaceous age. The Bug property is underlain by deformed clastic rocks of Windermere (Hadrynian) age. The prospect is located at the southern margin of the Bugaboo Batholith - a satellite stock which is exposed in the Main Cirque.

MINERALIZATION: No economic mineralization was discovered in situ during the 1982 survey. Widespread minor scheelite bearing float was discovered in the main cirque. The scheelite is contained in fractures on grey metasiltstone. Some other scattered rock types were discovered with traces of scheelite such as a single piece of limestone float, a piece of hornfelse, and a piece of diorite, etc.

TROUT LAKE - BUG 1 PROSPECT - Continued

CONCLUSIONS AND RECOMMENDATIONS: The prospect is underlain by Horsethief Creek Group clastic metasediments and a thin limestone horizon. These were deformed before being intruded by granitic stocks. Minor traces of scheelite in float were the only discoveries made, so no further work is recommended on the property.

SUMMARIZED BY: W. Thompson DATE: 1982 December 08

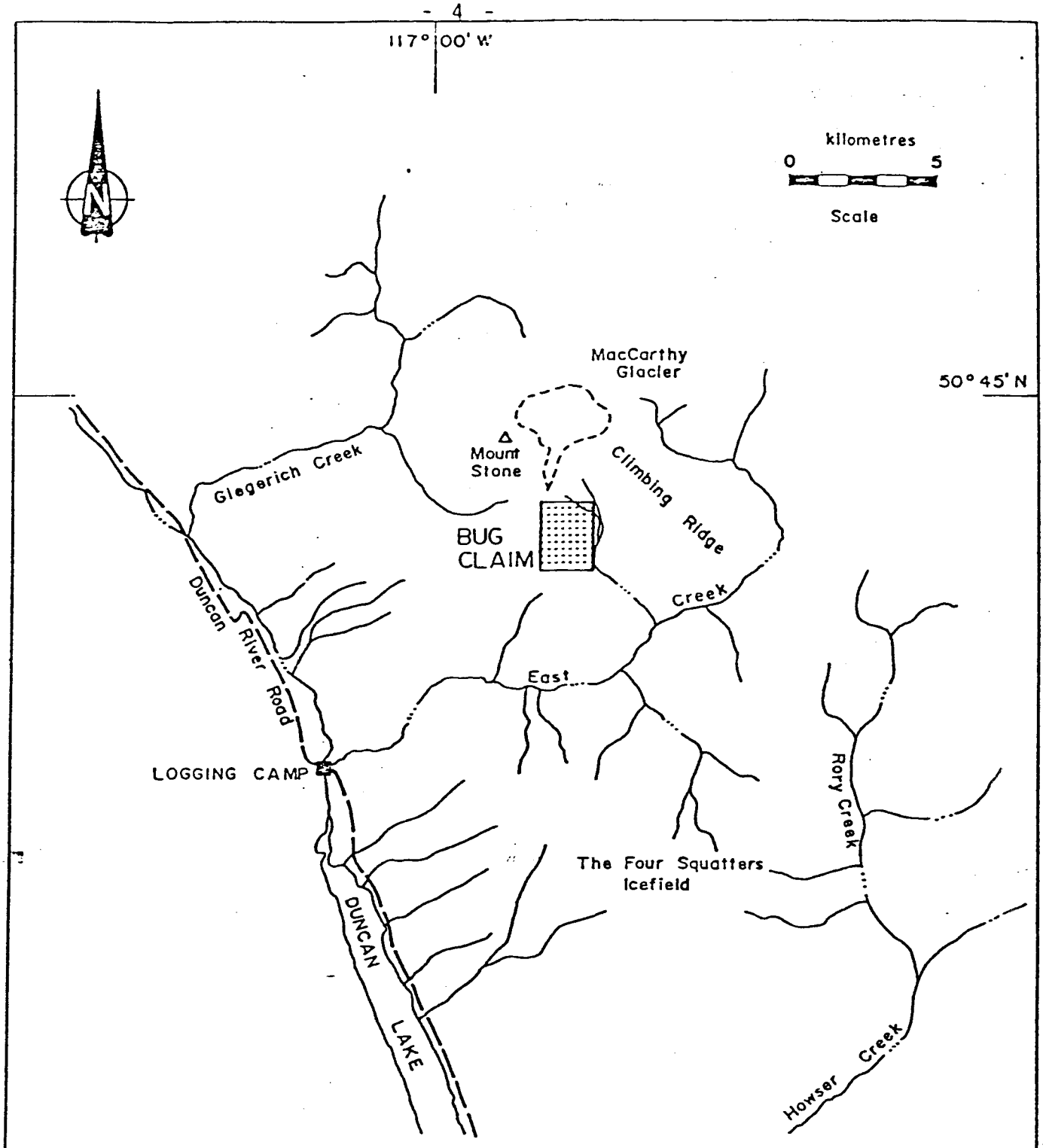


UNION OIL COMPANY OF CANADA LTD.
BUG PROSPECT

LOCATION MAP

DATE NOVEMBER 1982	JOB NO. 82 - 33
REVISED BY	FIG. NO. 1

BEMA INDUSTRIES LTD.



UNION OIL COMPANY OF CANADA LTD.

BUG PROSPECT

CLAIM LOCATION MAP

N.T.S. 82 K/10

DATE NOVEMBER 1982	JOB NO 82-33
REVISED BY	FIG NO 2

BEMA INDUSTRIES LTD.

TROUT LAKE, B.C. - Continued

LOCATION of Beartree Prospect, B.C.

NTS: 82M8,9
LATITUDE: 51°28'N
LONGITUDE: 118°15'W
POINT OF REFERENCE: The prospect is located approximately 55 km north of Revelstoke, B.C.

ACCESS: Access is by helicopter based in Revelstoke, B.C.

PROPERTY DESCRIPTION:

NUMBER OF CLAIMS:

Beartree 1 - 12 units	-	recorded September 14, 1981
Beartree 2 - 18 units	-	recorded September 14, 1981
Beartree 3 - 16 units	-	recorded October 20, 1981
Beartree 4 - 16 units	-	recorded October 20, 1981
Beartree 5 - 16 units	-	recorded October 20, 1981

EXPIRY DATE: Managed by Union Oil Company of Canada Limited

OWNERSHIP: The Beartree claims are registered in the name of Union Oil Company of Canada Ltd.

COMMITMENTS: None

OWNERSHIP OF OPTIONS:

Union Oil Company of Canada Limited	50%
DEKALB Mining Corporation et al	50%

EXPLORATION HISTORY: In 1976 Noranda Exploration did some limited geological mapping. Regional geologic investigations include Wheeler (1965); Lane (1977); and Hoy (1979). Anomalous stream sediment samples recovered in the 1981 regional program by Union Oil Company of Canada Limited indicated that more detailed work was warranted in 1982. The 1982 program included geological and geochemical surveys with property prospecting.

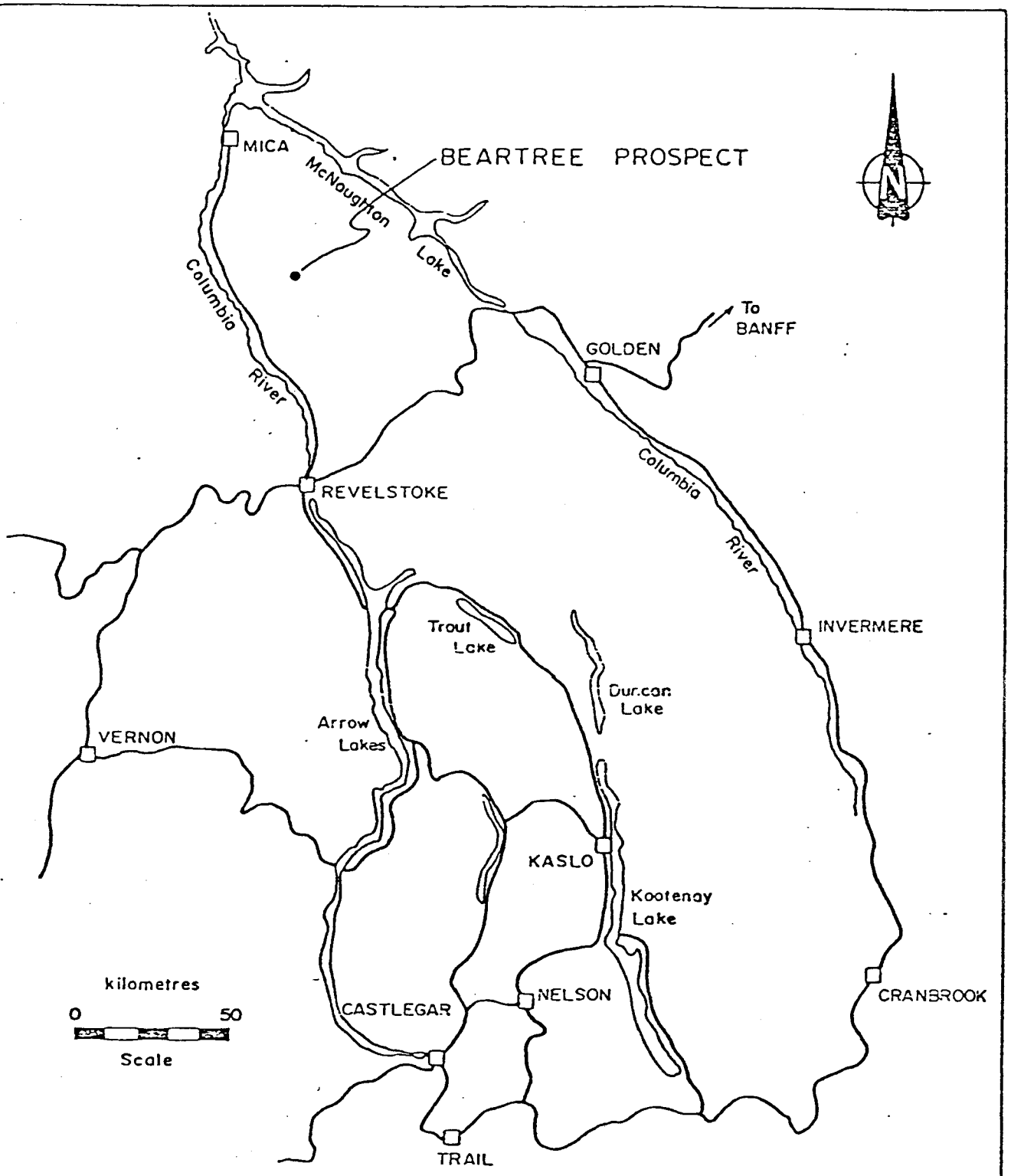
REGIONAL AND LOCAL GEOLOGY: The Beartree claims are located within the northern Selkirk Mountains. The prospect is underlain by repeatedly deformed sedimentary and volcanic strata ranging in probable age from Upper Hadrynian to lower Paleozoic. These strata have been intruded by Cretaceous granitic plutons. The Beartree claims cover the southern contact of the Downie Creek pluton where it intrudes a carbonate bearing package of probable Lower Paleozoic rocks that include metasiltstones, metaquartzites, intermediate to acid metatuffs, meta-andesites, and limestones.

TROUT LAKE - BEARTREE PROSPECT - Continued

MINERALIZATION: Two tungsten occurences were discovered, both of which are associated with thin carbonate horizons in areas of flat lying intrusive contacts. The Cave Zone: Medium to fine grained scheelite occurs in a coarse grained garnet diopside skarn virtually devoid of sulphides. Scheelite is restricted to 2 one meter wide zones assaying up to 0.72% WO_3. In the Slide Zone larger boulders of quartz-sulphide-scheelite breccia up to one meter in diameter were discovered. These boulders also contain minor quantities of sphalerite, galena, chalcopyrite and pyrrhotite. Chip samples assayed up to 2.7% WO_3. The source of these boulders was not discovered.

CONCLUSIONS AND RECOMMENDATIONS by C.J. Westerman, Ph.D.: Two mineralized skarn zones containing scheelite have been discovered. No economic mineralization to date has been located. Further exploration consisting of geological, geochemical and prospecting surveys should be undertaken on a grid to be established in the slide zone area. More prospecting is also recommended for the intrusive contact area east of Snowpatch Creek.

SUMMARIZED BY: W. Thompson DATE: 1982 December 09

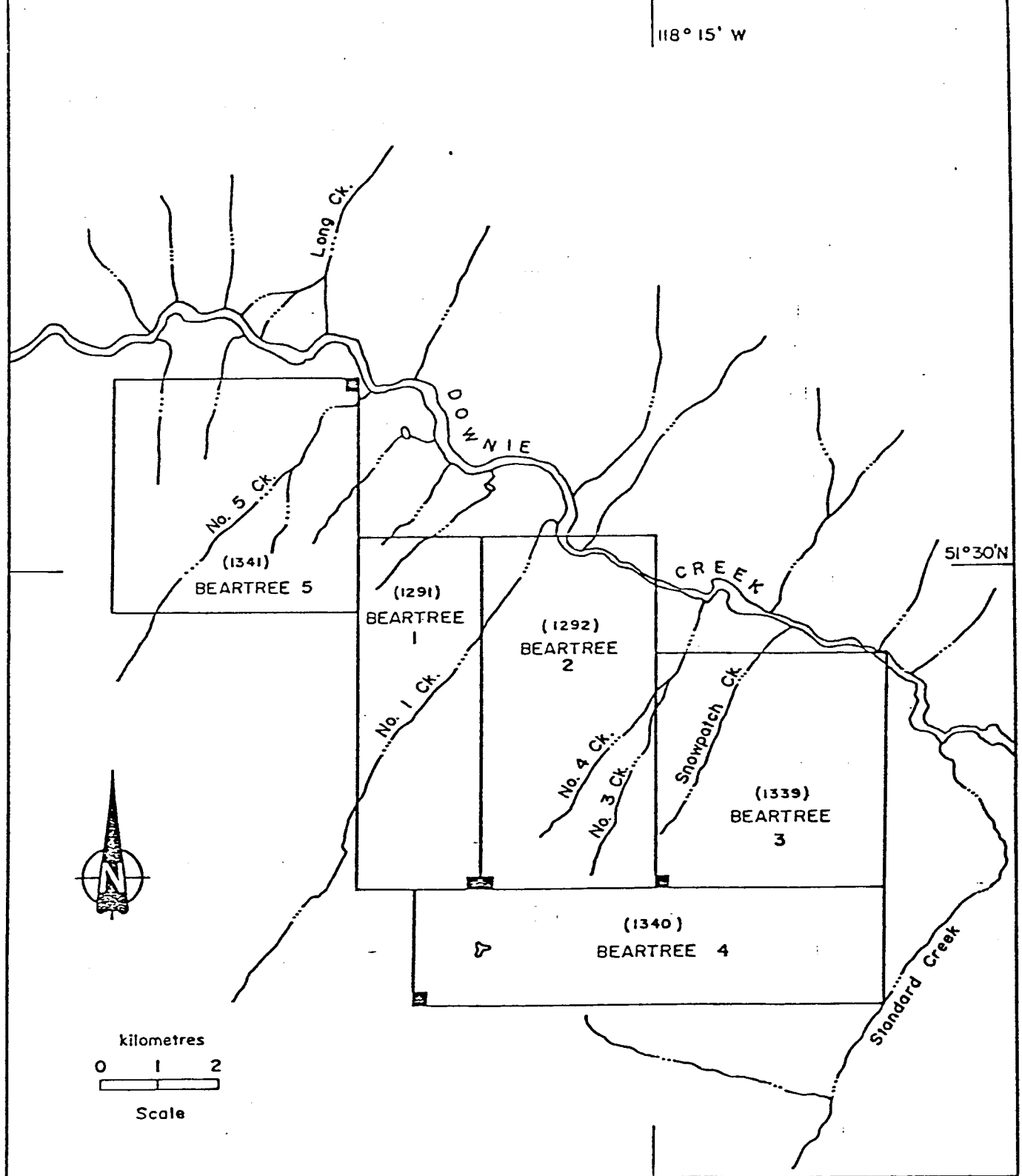


UNION OIL COMPANY OF CANADA LTD.
BEARTREE PROSPECT

LOCATION MAP

DATE NOVEMBER 1982	JOB NO 82-33
REVISED BY	FIG NO 1

BEMA INDUSTRIES LTD.



UNION OIL COMPANY OF CANADA LTD.
BEARTREE PROSPECT

CLAIM MAP

N.T.S. 82M/8,9

DATE NOVEMBER 1982	JOB NO 82-33
REVISED BY	FIG. NO 2

BEMA INDUSTRIES LTD.

Trout Lake Anomaly Follow Up Program by Bema Industries Limited for Union Oil Company of Canada Limited.

LOCATION:

NTS: 82K,L,M,N.

CONCLUSIONS AND RECOMMENDATIONS:

A regional geochemical sampling program undertaken in 1981 indicated four areas of anomalous tungsten and one area of anomalous gold in the heavy mineral fraction of stream sediments. The current program of additional geochemical sampling, prospecting and geological mapping has followed up these anomalies with discouraging results.

The gold anomaly from Holyk Creek and the tungsten anomaly from Healy Creek could not be reproduced by the present program. Additional sampling in these areas returned background values for the metals of interest and prospecting/geological observation failed to locate any signs of encouragement. No further work is proposed.

The tungsten anomaly in LaForme Creek has a probable source located within ground staked by Noranda Exploration Ltd. in December 1981. The adjacent Thanksgiving tungsten prospect is considered to be sufficiently interesting to warrant contacting the owners (Andaurex Mines Ltd.) to determine if any significant targets remain following the program carried out by Northair Mines Ltd. in 1981 . Failing this, no further action is recommended for the LaForme Creek area.

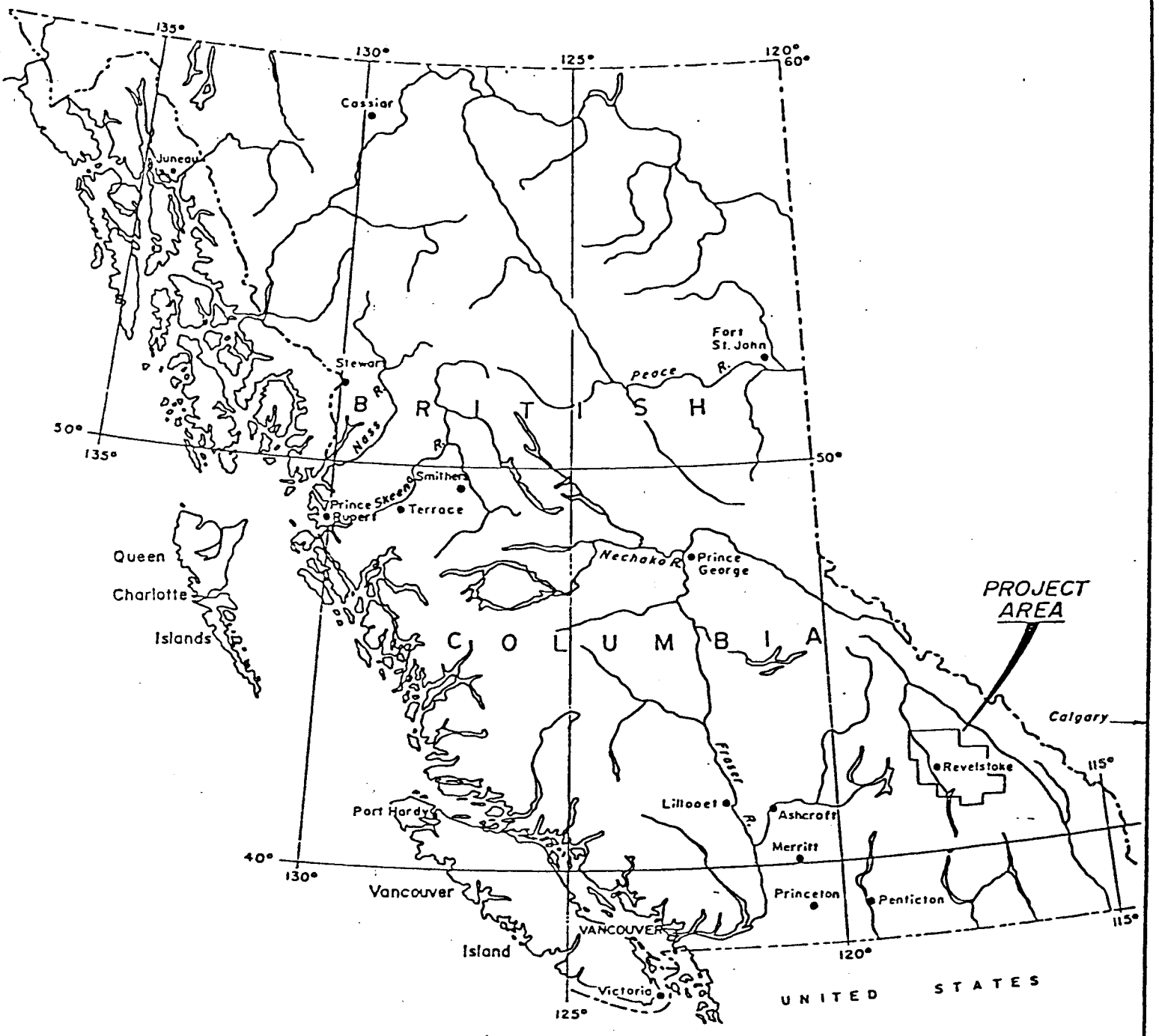
The original tungsten anomaly in the Twin Creek area has been traced to a source consisting of scheelite on fracture surfaces in gneiss boulders. Additional, weak to moderate, tungsten anomalies from tributary creeks along a 8 kilometre length of the Illecillewaet valley appear to be related to a glacial debris source - anomalies do not exist above the elevation of glacial valley fill. No further work is recommended.

TROUT LAKE - CONCLUSIONS AND RECOMMENDATIONS - Continued

The original tungsten anomaly in East Creek has been traced to a very small, inaccessible area in a cliff face. The restricted size and lack of skarn or calc-silicate float in the area indicate that further exploration is not warranted. Tungsten anomalies in Cockle Creek and Dunn Creek are related to scheelite in quartz-tourmaline veins which locally cut thin black limestone horizons. Very restricted calcite-idocrase-tourmaline-scheelite skarn is locally developed adjacent to such veins. The character of this mineralization suggests the presence of a buried stock at depth. Bedding, however is steeply dipping towards a large lake, depths to potential targets are likely to be extreme and continued exploration is not considered to be warranted.

November 15th, 1982
Langley, British Columbia

C. J. Westerman, Ph.D.
Senior Project Geologist



UNION OIL COMPANY OF CANADA LIMITED

REVELSTOKE, B·C·

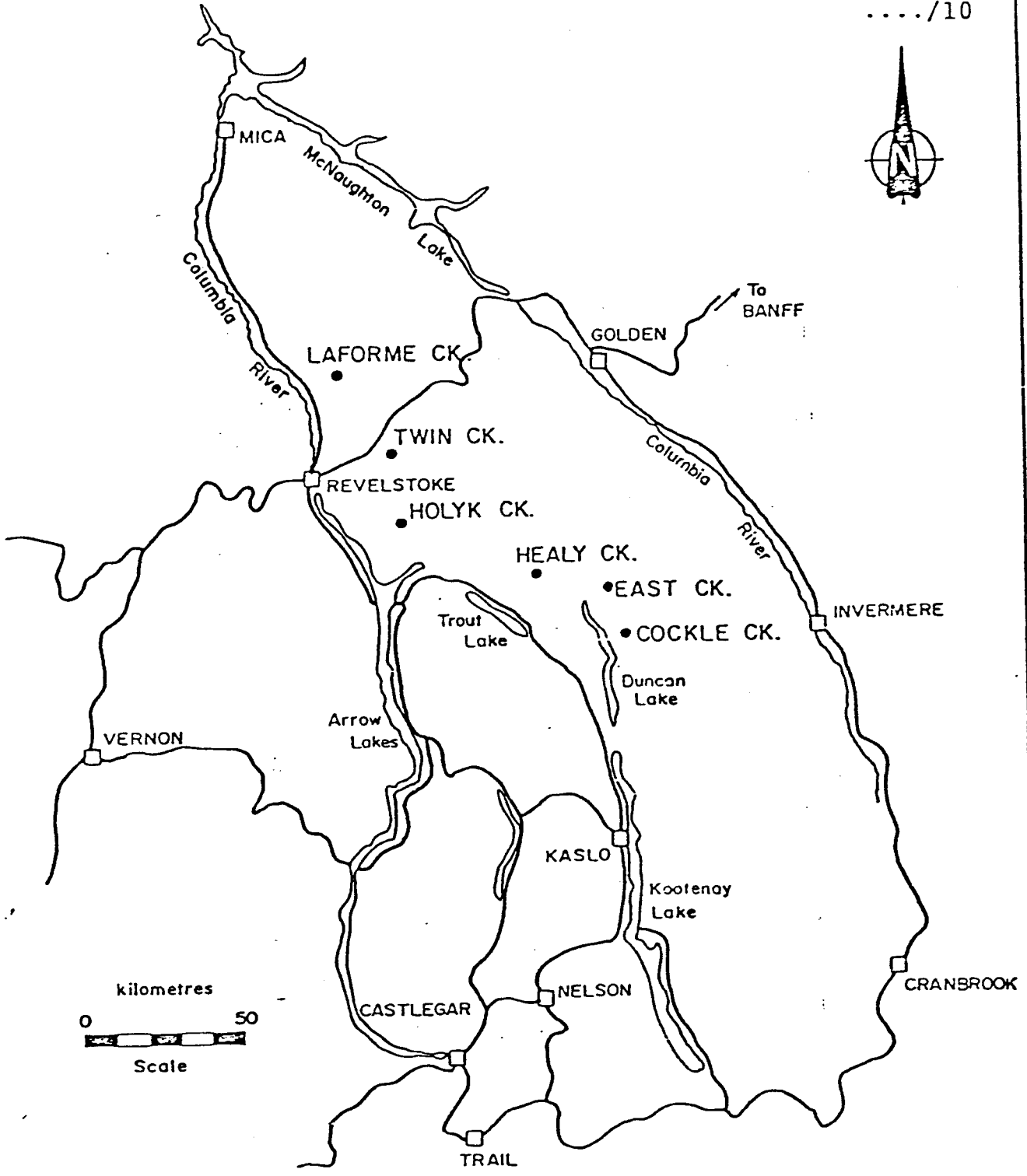
1982 GEOLOGICAL EXPLORATION PROGRAMME

REVELSTOKE, B·C·

INDEX MAP

DATE: *NOVEMBER, 1982*	JOB NO.: 82 - 33.
APPROVED BY:	FIG. NO.: 1

BEMA INDUSTRIES LTD.



UNION OIL COMPANY OF CANADA LTD.

REVELSTOKE TUNGSTEN PROJECT

LOCATION MAP

DATE NOVEMBER 1982	JOB NO 82-33
REVISED BY	FIG NO 2

BEMA INDUSTRIES LTD.

DEKALB MINING CORPORATION
PROJECT SUMMARY

VENANGO, B.C. 4454047

LODE GOLD, SILVER, TUNGSTEN

LOCATION:

NTS: 82F6
LATITUDE: 49°28'N
LONGITUDE: 117°23'30"E
POINT OF REFERENCE: The property lies about 7 1/2 km east-southeast from Nelson.
ACCESS: Access is by paved and gravel roads from Nelson via Blewett about 8 1/2 km.

PROPERTY DESCRIPTION:

NUMBER OF CLAIMS: 16 two post claims, 2 fractions.
AREA: Approximately 360ha.
RECORDING DATE: January March 1980
EXPIRY DATE: January 1984; January March 1985
OWNERSHIP: 100% DEKALB Mining Corporation
COMMITMENTS: None.

EXPLORATION HISTORY: It must be noted that DEKALB Mining Corporation has dropped its option on the main claims and crown grants in the immediate area surrounding the Venango adits and workings, however DEKALB does hold property in the immediate vicinity of both the old Kenville and Venango gold mines. The area was discovered in the early 1900's and the Venango mine operated into the 1940's. In 1980 DEKALB conducted two phases of diamond drilling in two areas of the prospect. The results of the diamond drilling were generally negative but somewhat inconclusive. In 1981 a program was conducted to open up the old adits of the Venango mine so that the veins could be examined and re-sampled.

GEOLOGY: The area is underlain by a quartz hornblende diorite which intrudes locally banded greenstones. The diorite is gneissic in many places with variations in composition. Fault zones within the diorite are filled with quartz veins that are occasionally auriferous.

MINERALIZATION: The quartz veins vary from a small shear filled with quartz to veins several feet wide that contain pyrite, chalcopyrite, galena, sphalerite, scheelite and native gold. The veins are often cut by post mineralization dykes and faults which complicate mining and interpretation.

VENANGO - Continued

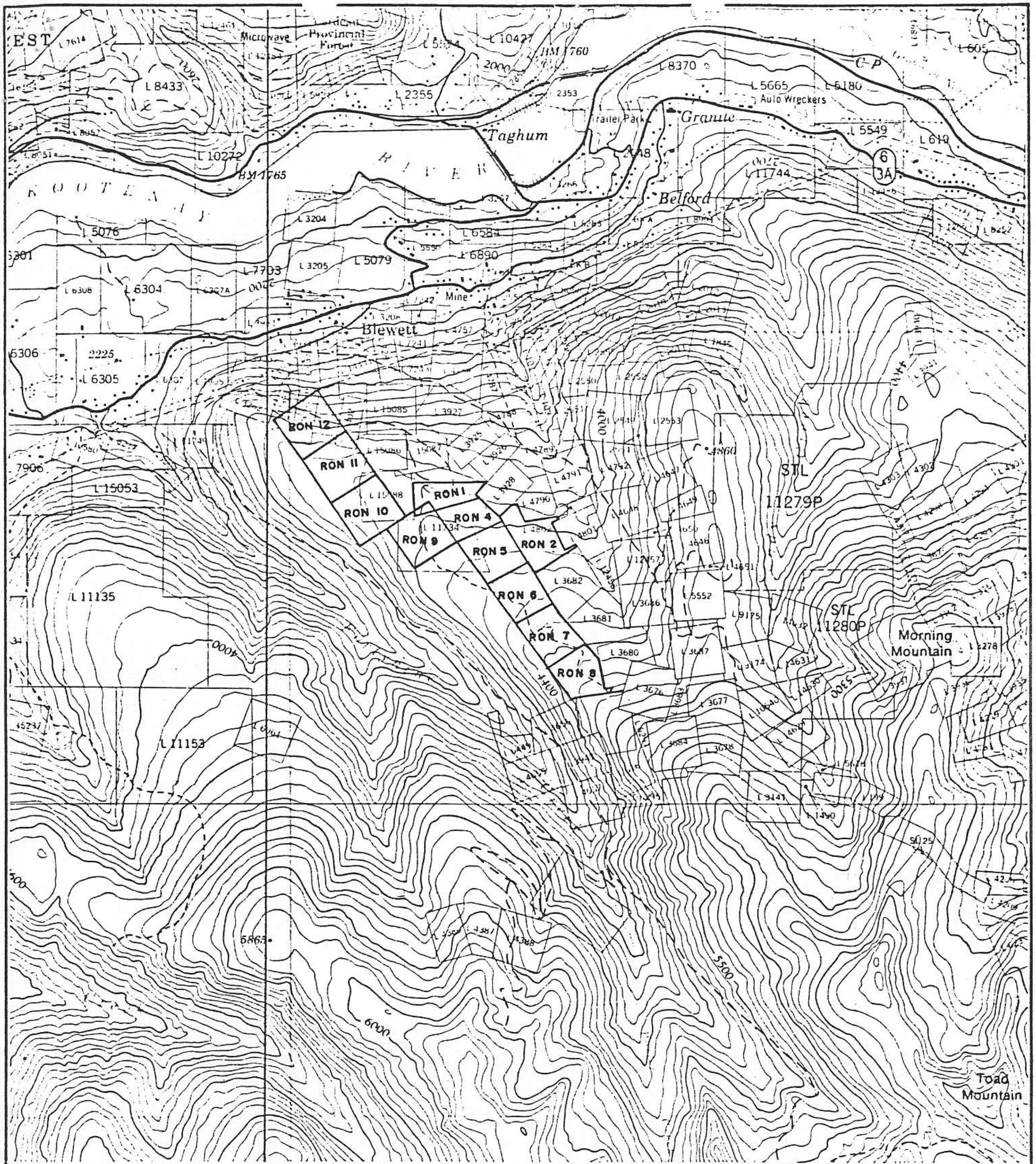
EXPENDITURES: As of August 31, 1982 $ 399,041.00

CONCLUSIONS AND RECOMMENDATIONS: The diamond drilling did not intersect any large veins or significant minerlization, but did not completely test all areas of potential. The main workings only exposed areas that were mined out which revealed narrow quartz veins. Of 22 chip samples taken five assayed 0.1 oz au/ton or better with one sample assaying 0.40 oz. au/ton over 1.8 feet. The veins are quite narrow, short and faulted. These factors reduce the economic potential significantly. Searching for new veins with diamond drilling would be very expensive, and most likely small narrow veins would be encountered. At this time no further work is recommended.

SUMMARIZED BY: W. Thompson DATE: 1982 December 10

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
VENANGO

Description	Total Project Costs
Geology	$ 82,121
Geophysics	25,022
Staking	1,319
Drilling	155,771
Trenching	29,762
Access	14,887
Legal Survey	7,535
Holding Cost	67,800
Head Office	14,639
Other	185
Total Expenditures	$ 399,041



NTS 82 F/6

DEKALB MINING CORPORATION

VENANGO

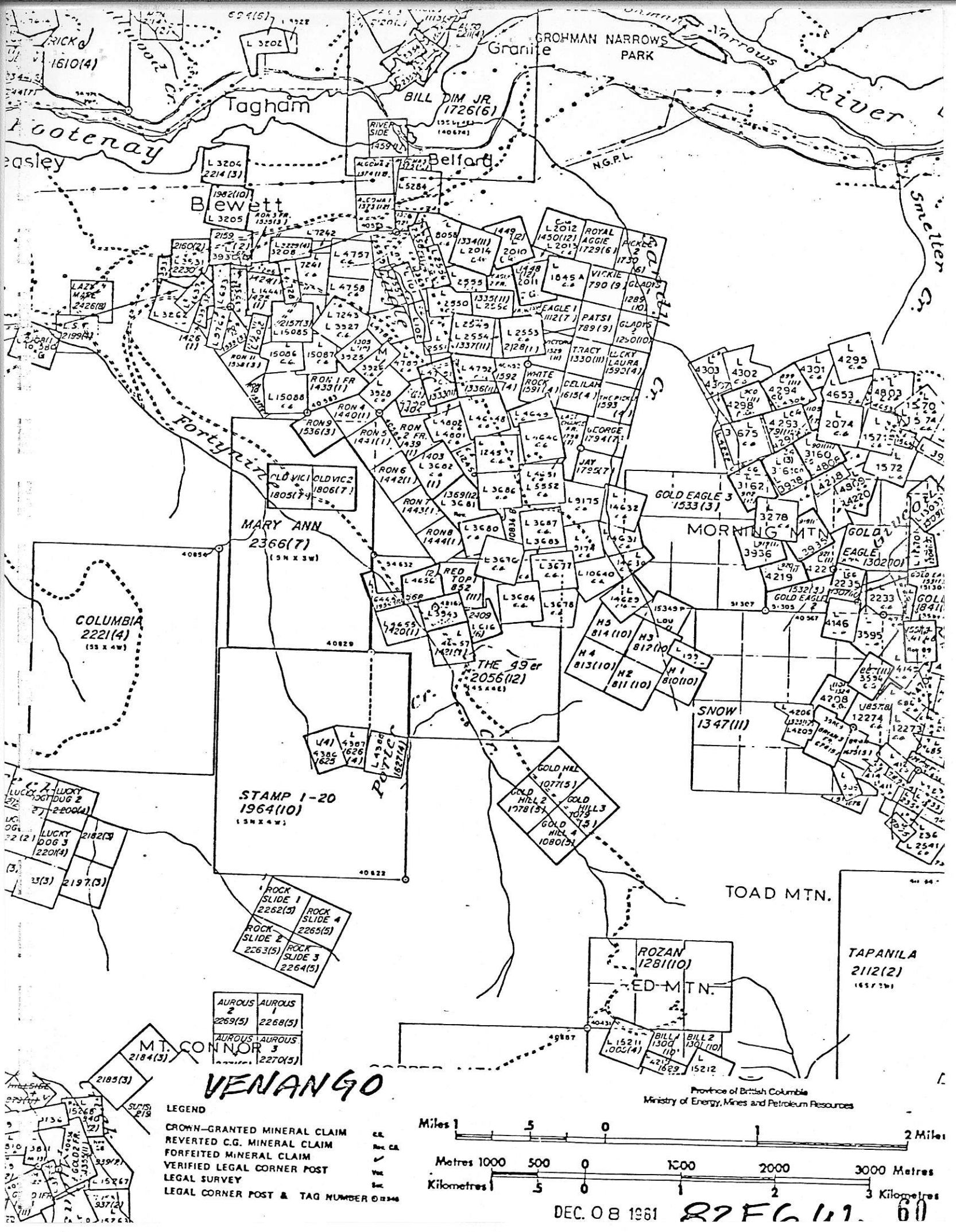
NELSON, B.C.

CLAIM LOCATION MAP

59

SCALE 1:50,000

81 02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Granite
Tagham
BILL DIM JR 1726(6)
Belford
Blewett
Fortynine Cr.
MARY ANN 2366(7)
(5N X 3W)
COLUMBIA 2221(4)
(5S X 4W)
STAMP 1-20 1964(10)
(5N X 4W)
THE 49er 2056(12)
MORNING MTN
GOLD EAGLE 3 1533(3)
SNOW 1347(11)
TOAD MTN.
ROZAN 1281(10)
ED MTN.
TAPANILA 2112(2)
MT. CONNOR 2184(3)
VENANGO
LEGEND
CROWN-GRANTED MINERAL CLAIM C.G.
REVERTED C.G. MINERAL CLAIM Rev. C.G.
FORFEITED MINERAL CLAIM
VERIFIED LEGAL CORNER POST
LEGAL SURVEY
LEGAL CORNER POST & TAG NUMBER
Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
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Metres 1000 500 0 1000 2000 3000 Metres
Kilometres .5 0 1 2 3 Kilometres
DEC. 08 1961
82 F/6 W. 60

DEKALB MINING CORPORATION
PROJECT SUMMARY

WILDHORSE RIVER, B.C. AFE 4454048 COPPER, TUNGSTEN

LOCATION:
NTS: 82 G 13, 14
LATITUDE: 49°50'N
LONGITUDE: 115°30'W
POINT OF REFERENCE: The property is located 40 km northeast of Cranbrook, B.C. near the headwater of the Wildhorse River.
ACCESS: Access is by gravel road, 27 km from Fort Steele along the west side of the Wildhorse River.

PROPERTY DESCRIPTION: The property consists of 4 modified grid claims (April 1 to 4) and 2 two-post claims (Wendy 1 and 2) for a total of 58 contiguous units.
AREA: 1,440 ha.

RECORDING AND EXPIRY DATE:

Claim Name	Description	Area	Record No.	Recording Date	Expiry Date
April 1	Modified Grid	500 ha	602	79-04-03	83-04-23
April 2	Modified Grid	500 ha	603	79-04-03	83-04-23
April 3	Modified Grid	300 ha	749	79-08-30	83-08-30
Wendy 1	2 Post Claim	20.9 ha	987	80-07-18	86-07-18
Wendy 2	2 Post Claim	20.9 ha	988	80-07-18	86-07-18
April 4	Modified Grid	100 ha	1025	80-08-18	86-08-18

Ownership: DEKALB Mining Corporation: 72.90%
NICOR Mineral Ventures, Inc. 27.10%
Commitments: None

EXPLORATION HISTORY: The area was discovered in 1863 by placer miners who recovered millions of dollars worth of gold from the Wildhorse River. DeKalb staked claims in 1979 and in 1980 searching for possible porphyry copper deposits and copper-tungsten skarns. DeKalb's work on the property included line cutting, geophysical and geochemical surveys, geological mapping at a scale of 1:5000, trenching and prospecting.

REGIONAL AND LOCAL GEOLOGY: The area is underlain by sedimentary and volcanic rocks of Proterozoic and Paleozoic ages which have been intruded by a Cretaceous syenitic stock. Sedimentry rocks strike generally to the north and dip steeply to the east or west. The oldest rocks are Helikian quartzites and siltstones of the Creston formation. These are succeeded to the east by dolomites and siltstones of the Kitchener-Siyeh Formation, with an upper unit of mafic, quartz amygdaloidal flows of the Purcell Lavas. Unconformably

overlying these rocks is a thick unit of massive white limestone of Cambrian Age from the Elko Formation. These are in turn overlain by siltstones and argillites with intercalated carbonate beds.

MINERALIZATION: Only minor chalcopyrite and malachite was observed in trenches cut by bulldozers that exposed diorite. The mineralization appeared to be fracture controlled.

EXPENDITURES: As of August 31, 1982 $180,438

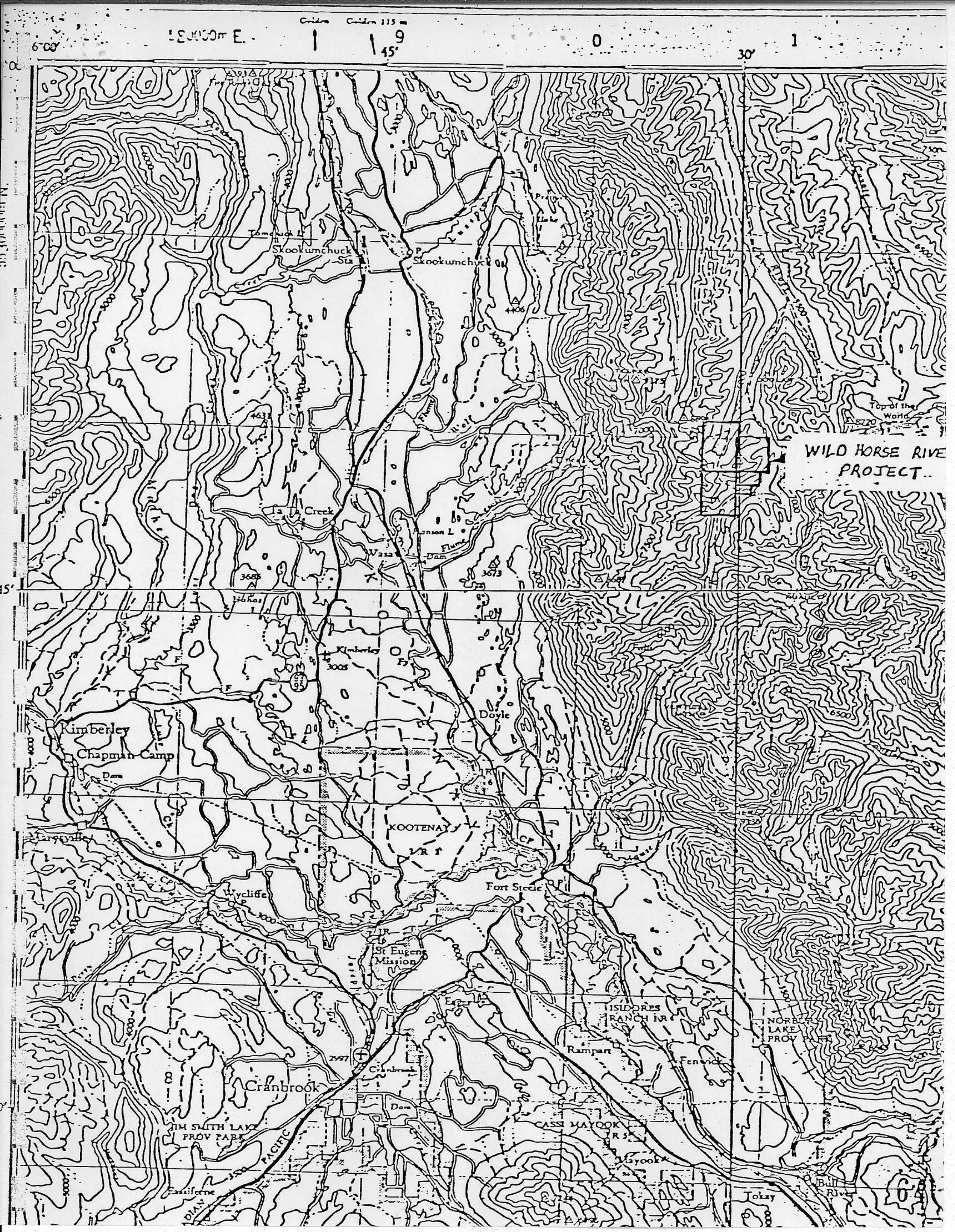
RECOMMENDED EXPLORATION:

Three main geochemical anomalies were outlined. A very low frequency E.M. survey was conducted over these anomalies where it might be more appropriate to do an induced polarization survey. Prospecting in and around the anomalous zones is still warranted to examine the viability of an induced polarization survey. This could be done in conjunction with additional trenching to totally evaluate the prospect.

SUMMARIZED BY: W. Thompson DATE: 1982 December 07.

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982
WILDHORSE RIVER

Description	Total Project Costs
Geology	$ 87,118
Geophysics	22,142
Geochemistry	1,617
Line Cutting	6,179
Staking	2,640
Drilling	21,943
Road Access	10,228
Trenching	10,148
Holding Costs	10,585
Overhead Costs	7,838
Total Expenditures	$ 180,438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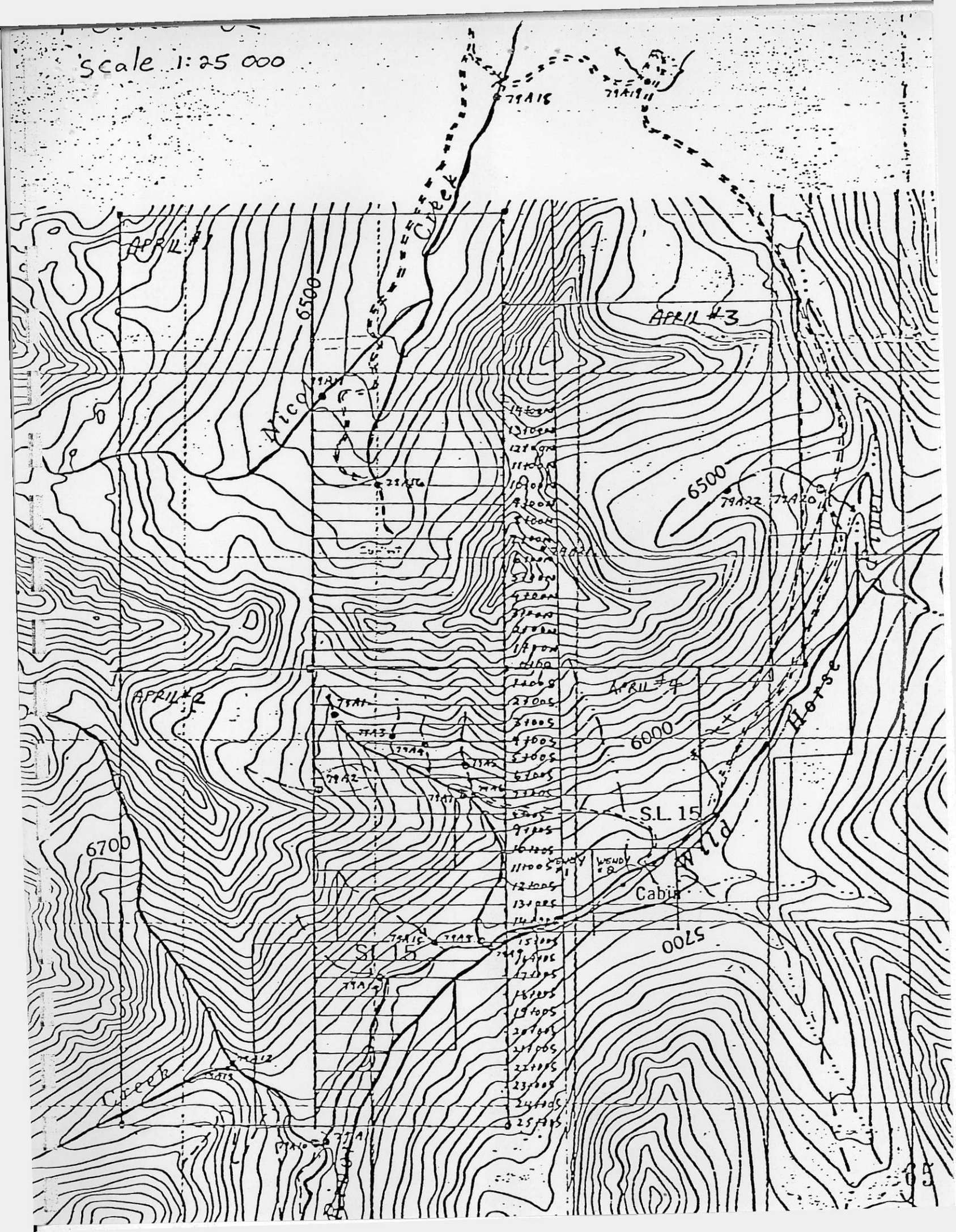
Ta Ta Creek
Wasa
Kimberley
Chapman Camp
Doyle
KOOTENAY
Wycliffe
Fort Steele
St Eugene Mission
Cranbrook
Rampart
Fenwick
Tokay
Bull River
Top of the World
PROJECT
PACIFIC


Scale 1:25 000
APRIL #1
APRIL #2
APRIL #3
APRIL #4
6500
6500
6000
6700
5700
S.L. 15
S.L. 15
Wild Horse
Cabin
Creek
Creek
79A18
79A19
79A16
79A22
79A20
79A21
79A11
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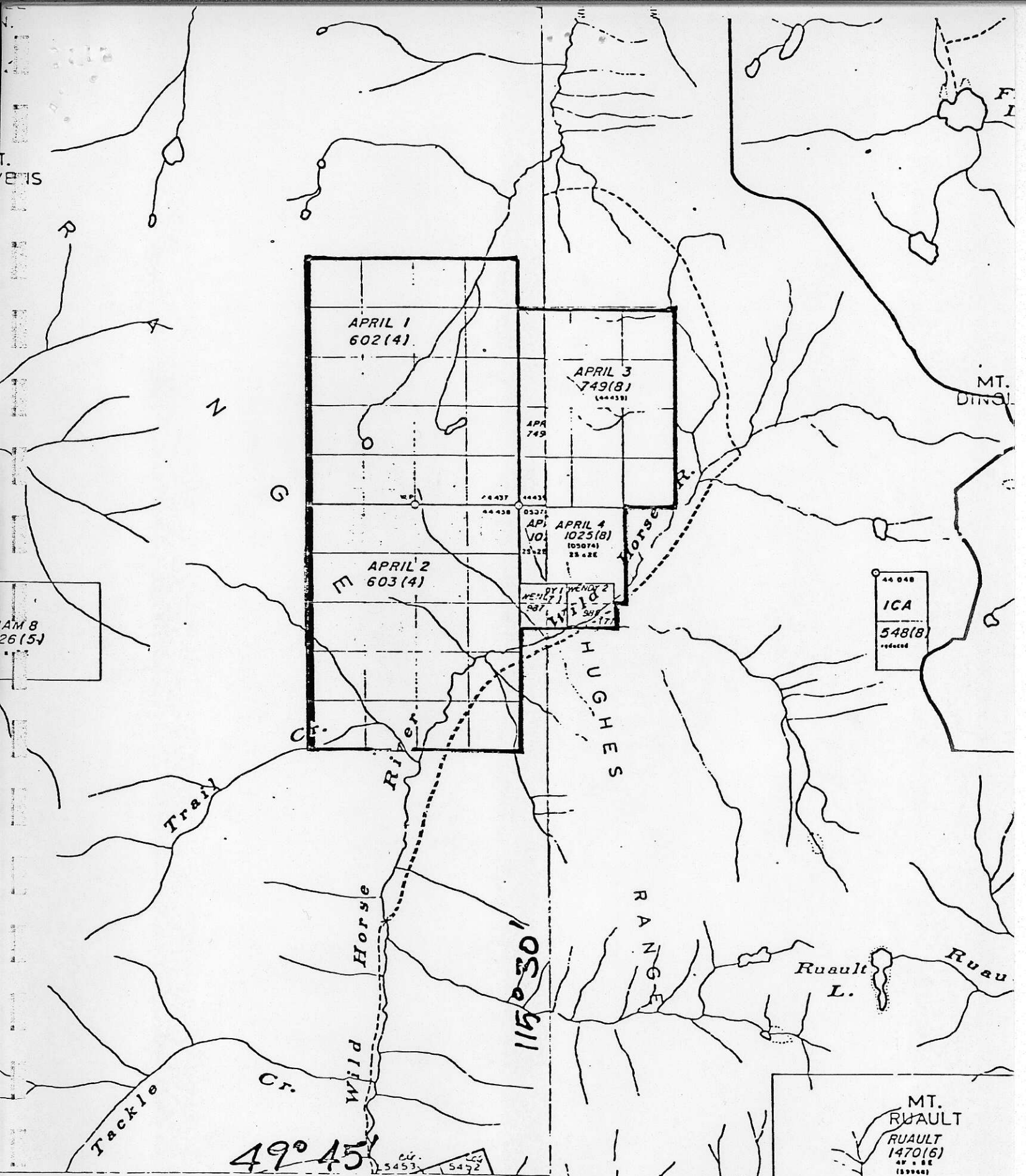
79A10
79A
WENDY #1
WENDY #2



WILDHORSE (APRIL, WENDY).

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

LEGEND

CROWN-GRANTED MINERAL CLAIM	CG
REVERTED C.G. MINERAL CLAIM	Rev. CG
FORFEITED MINERAL CLAIM	F
VERIFIED LEGAL CORNER POST	VLC
LEGAL SURVEY	LS
LEGAL CORNER POST & TAG NUMBER	⊙ 12346

Miles 1 .5 0 1 2 Miles

Metres 1000 500 0 1000 2000 3000 Metres

Kilometres 1 .5 0 1 2 3 Kilometres

DEKALB MINING CORPORATION
SUMMARY OF EXPLORATION EXPENDITURES
TO AUGUST 31, 1982 - BY PROJECT

	PROJECT	TOTAL PROJECT COSTS
1.	Captain Lake	$ 88,751
2.	Flat River (Dekalb et al 50%)	69,482
3.	Jubilee Mountain	237,857
4.	La France Creek	263,722
5.	McDame Creek	187,800
6.	Pooley Creek	55,239
7.	Trout Lake (Dekalb et al 50%)	512,672
8.	Venango	399,041
9.	Wildhorse River	180,438
Total Expenditures		$1,995,002