

GEOLOGICAL, GEOCHEMICAL AND DRILLING  
REPORT

DEKALB MINING CORPORATION

MOLY CLAIMS

GRAY CREEK, B.C.

NELSON MINING DIVISION

NTS: 82F10  
LONGITUDE:  $116^{\circ}46'42''$ W  
LATITUDE:  $49^{\circ}36'17''$ N

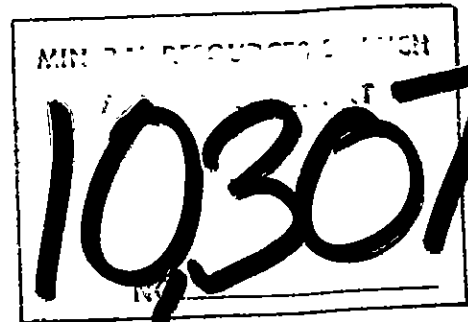
AFE: 4454050

1981 EXPLORATIONS

by

J.A. Ayer

1981 December 14



PART  
1 of 2

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## 1.0 SUMMARY

The Moly Claims are located on the east side of Kootenay Lake near Gray Creek, British Columbia. Dekalb Mining Corporation optioned the property in 1979. Exploration work to date consists of linecutting, soil sampling, geological mapping, an induced polarization survey and diamond drilling.

Rocks on the property consist of a northerly striking band of Proterozoic metasediments of the Horsethief Creek Group intruded by quartz monzonite stocks. In and adjacent to certain portions of the stocks, molybdenum mineralization occurs as weakly disseminated molybdenite with pyrite in quartz veins. Alteration is locally extensive and is best recognized in quartz monzonite. Propylitic, phyllic and potassic alteration assemblages are present but no systematic zonation scheme has been identified.

The exploration program revealed several areas with anomalous geochemical and/or geophysical results and these areas were targeted for diamond drilling. The results of the diamond drilling revealed widespread molybdenum mineralization in subeconomic quantities.

## 2.0 CONCLUSIONS & RECOMMENDATIONS

The 1981 exploration program consisted of expanding the coverage of soil sampling; geological mapping, an induced polarization survey and diamond drilling.

Geological mapping revealed numerous quartz veins with disseminated molybdenite concentrated in the periphery of the quartz monzonite stock in the southeast corner of the survey grid and adjacent to the eastern contact of the main quartz monzonite intrusion. Results of the geochemical survey revealed several areas with anomalous molybdenum in soils. The induced polarization survey revealed a pronounced chargeability high trending northeasterly across the survey grid. The diamond drilling on geochemical and/or geophysical anomalies revealed only sub-economic molybdenum mineralization. The best intersection was in DK-81-9 where 12 m of core assayed averaged 0.12% Mo.

Based on results of the 1981 exploration program, no further work is recommended on this property.

### 3.0 INTRODUCTION

The Moly Claims are located on the east side of Kootenay Lake near Gray Creek, British Columbia (Figure 1). The property is accessible by 3 km of logging road from Highway 3A. The property consists of 14 units for a total area of 350 hectares.

Dekalb Mining Corporation (DMC) optioned the property from Eric Denny, Jack Denny, David Wiklund and Harry Davis in 1979.

Exploration work in 1981 consisted of the following:

- a) The cutting of 12 km of additional line on the grid.
- b) 330 soil samples analysed for molybdenum and tungsten.
- c) An induced polarization survey over 20.5 km of line.
- d) Geological mapping at a scale of 1:2500 over 200 hectares..
- e) 10 BQ diamond drill holes for a total of 1,070.5 meters.

### 4.0 PROPERTY DESCRIPTION

The Moly Claims consist of 14 units in the following claims:

4 two-post claims:

Mo 1 - Claim No. 1125

Mo 2 - Claim No. 1127

Mo 3 - Claim No. 1128

Mo 4 - Claim No. 1129

3 Modified grid claims

Moly - 4 units - Claim No. 595

Mo 5 - 4 units - Claim No. 2403

Mo 6 - 2 units - Claim No. 2404.

The total area covered is 350 hectares. Figure 2 shows the location of the various claims.

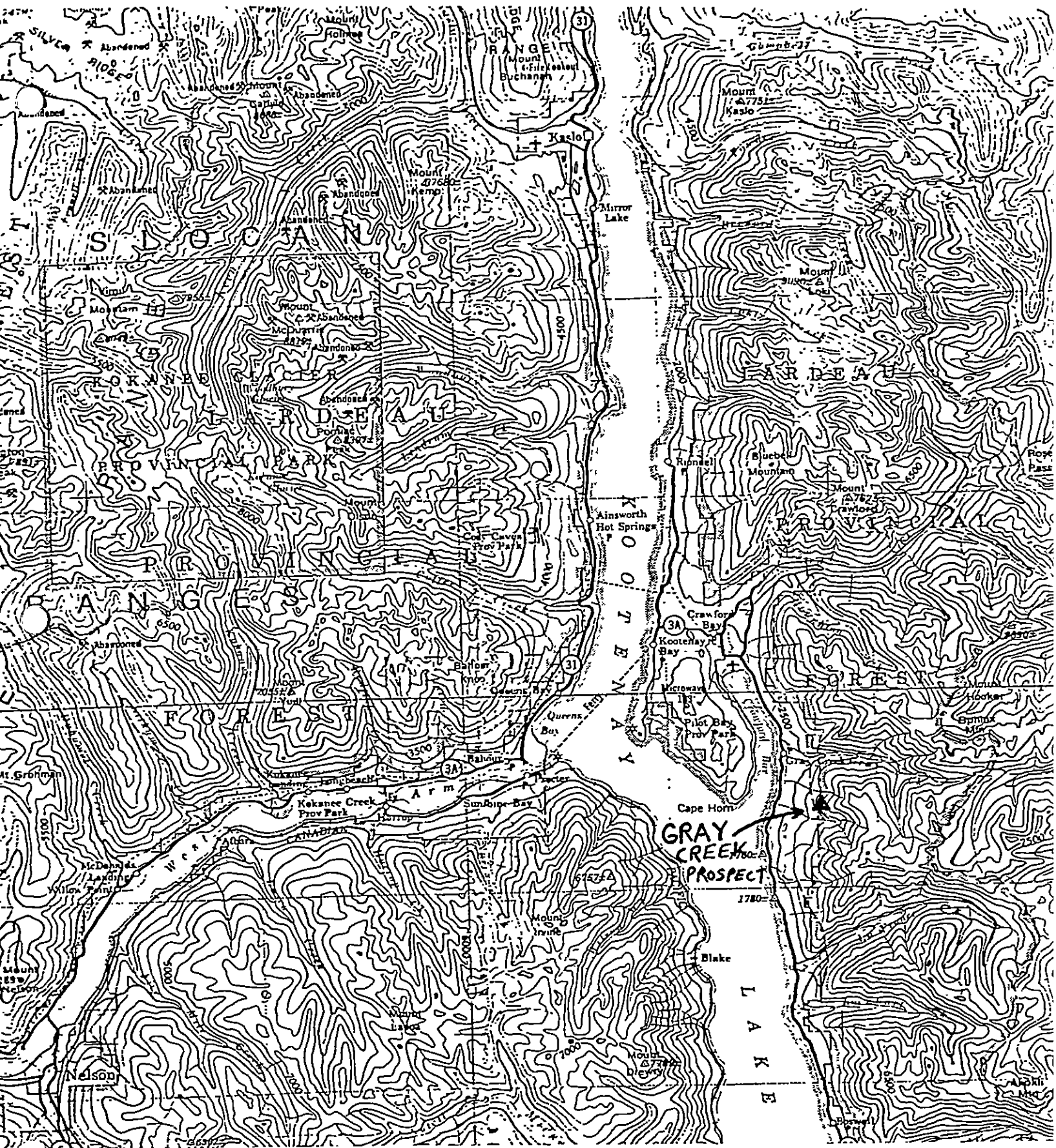
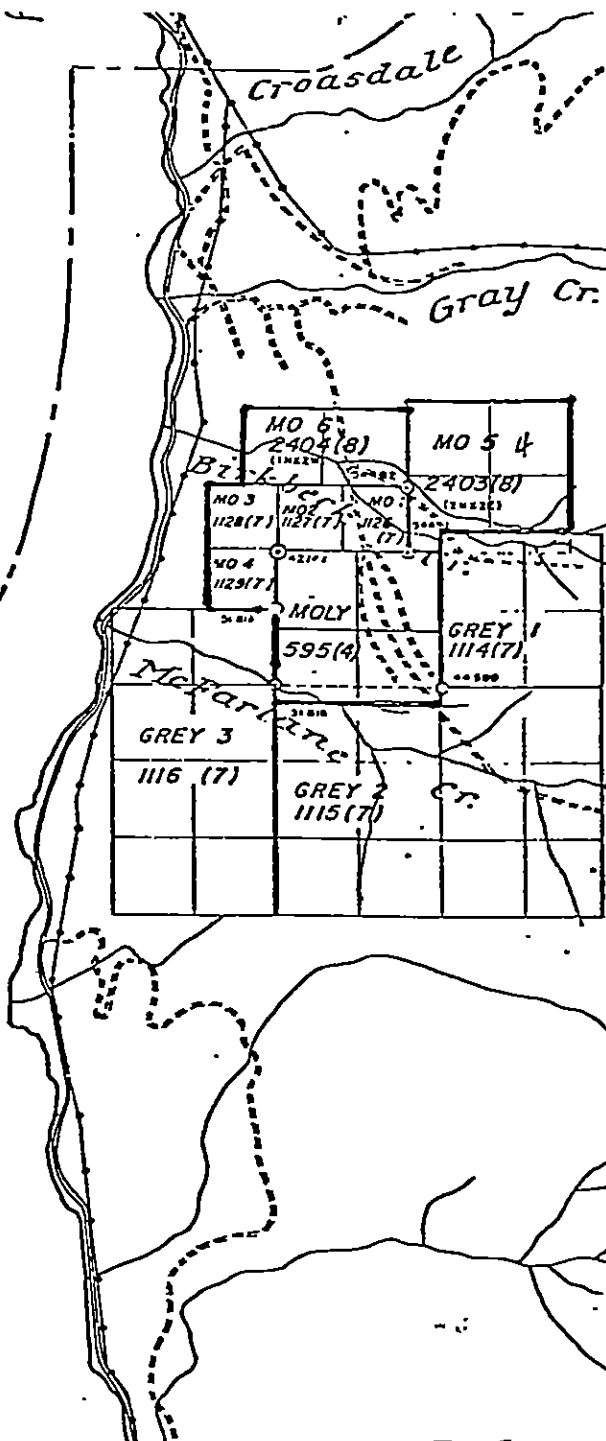
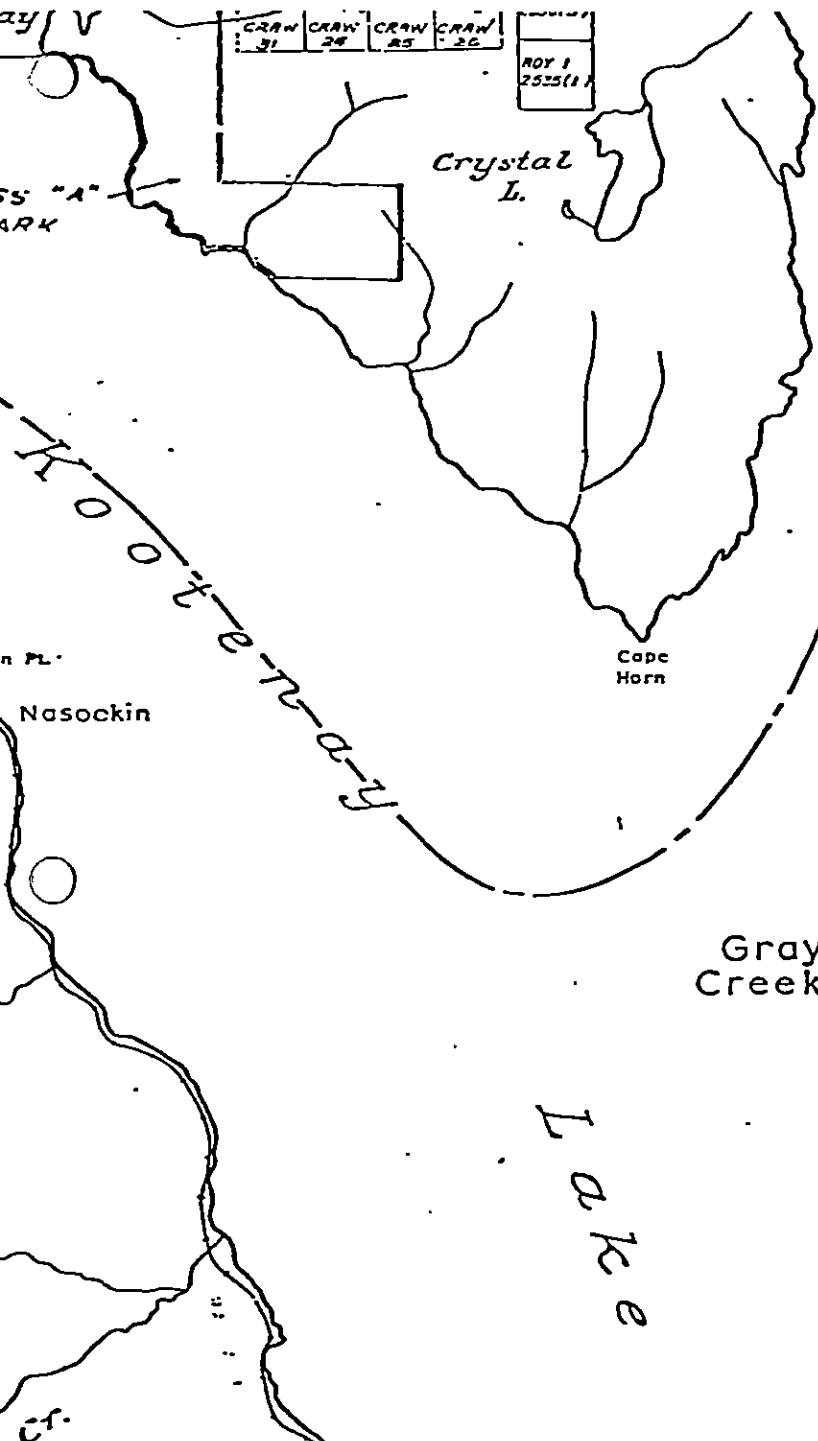


FIGURE 1: LOCATION MAP SCALE: 1:50,000



TO WEST SEE

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

Metres 1000 500 0 1000 2000 3000 Metres  
 Kilometres 1 0.5 0 1 2 3 Kilometres

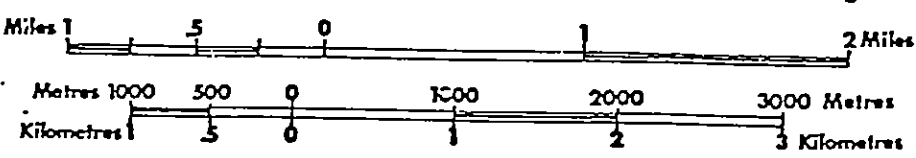
Province of British Columbia  
 Ministry of Energy, Mines and Petroleum Resources

DATE OF MICRO

THEN INFORMATION CONCERNED.

# GRAY CREEK

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



DEC. 0 B 1981 NTS 82 F 10 W.

FIGURE 2: CLAIM MAP

## 5.0 PREVIOUS WORK

The first recorded work on the property was from 1916 to 1919 when two adits were driven on easterly striking quartz veins with disseminated molybdenite and pyrite.

The next recorded work was in 1966 when United Fortune Mines Ltd. staked the Benderby Group of Claims. Soil sampling, trenching and diamond drilling were conducted to 1969.

In 1979 DeKabb Mining Corporation optioned the Moly and Mo 1 to 4 claims and did exploration work consisting of the cutting of 23 km of line, and the collection and analyses of 460 soil samples.

In 1981 DMC staked the Mo 5 and Mo 6 claims (6 units) and undertook the exploration work described in this report.

## 6.0 GEOLOGY

The property has limited exposure with an estimated 5% outcrop over the total area. Topography ranges from moderate in the west and central portions to steep in the eastern portion of the property. Coniferous forest covers the whole property which has been selectively logged in the eastern and central portions.

The claims are underlain by Proterozoic metasedimentary rocks of the Horsethief Creek Group intruded by Cretaceous (?) stocks of quartz monzonite. Rocks of the Horsethief Creek Group occur in the eastern half of the property and consist of fine-grained mica schists, schistose metasandstone, metaconglomerates and amphibolites. Locally these metasediments have been altered to garnet and epidote-bearing laminated skarn rocks, where they occur adjacent to the quartz monzonite stock in the south-eastern corner of the property (Figure 3).

The quartz monzonite is predominantly light grey and medium-grained with 5 to 10% biotite in a subhedral-granular textured groundmass with occasional coarse-grained alkali feldspar phenocrysts. Minor younger phases of equigranular and leucocratic (less than 5% biotite) medium-grained alaskite and fine-grained aplite are also present. In several drill holes (DK-81-2 & 3) porphyry dykes with fine-grained alkali feldspar phenocrysts were observed cutting metasediments.

The foliation and bedding in the metasediments are generally northerly striking with gentle easterly dips in the northern portion and steep easterly and westerly dips in the south. No major folds have been identified but minor folds are visible in outcrops and drill core. Jointing is best developed in the quartz monzonite with the dominant direction being northeasterly. Quartz veins commonly occupy northeast to east-west trending joints and fractures.

## 7.0 ECONOMIC GEOLOGY

Disseminated molybdenite and pyrite occur in quartz veins which range from less than 1 cm to over 1 m in thickness. The molybdenite bearing veins appear to be most abundant in the vicinity of the stock in the south-eastern corner of the property and at the eastern contact of the main quartz monzonite intrusion in the central portion of the claims (Figure 3).

Alteration appears to be best developed in quartz monzonite rock. Alteration zones consist of potassic, propylitic and phyllic assemblages. Potassic alteration results in a pink coloured quartz monzonite with a relatively high proportion of potassium feldspar and biotite altered to chlorite. Propylitic alteration results in a greenish grey quartz monzonite with epidotization of plagioclase and biotite altered to chlorite. Potassic and propylitic alteration zones are pervasive, however no systematic zonation has been recognized. Phyllic alteration of quartz monzonite is texture destructive, resulting in an equigranular rock rich in quartz and muscovite. This type of alteration has only been recognized in the selvages of quartz veins.

The first nine diamond drill holes (DK-81-1 to 9) were shallow holes targeted on geochemical and/or geophysical anomalies. Many of the holes intersected numerous mineralized quartz veins, but the best intersection was in DK-81-9 with 12 m (87 ft. to 126 ft.) averaging 1,200 ppm (0.12%) molybdenum.



The tenth diamond drill hole (GY-81-10) was a deep vertical hole (351.7 m) to check for economic concentration of molybdenite at depth in the vicinity of DDH DK-81-9. However, only minor mineralization was observed in the core from this hole (see Appendix for details on the diamond drill logs).

## 8.0 EXPLORATION PROGRAM

8.1 Linecutting: In April and May of 1981 an additional 12 km of line was added to the existing grid. This was to expand coverage to lines spaced at 50 m intervals rather than 100 m in areas of interest. The total linecutting on this property by DMC is 35 km.

8.2 Geochemistry: Soil sampling was conducted in April and May of 1981. Samples were collected at 25 m intervals on the new lines and between the original sample locations on the old lines in areas of interest. 330 samples were collected to bring the total number of samples to 790.

The samples were collected from the B soil horizon using a long narrow spade. Samples were collected from holes up to 70 cm deep or wherever a good undisturbed B Horizon was encountered. Samples were placed in brown kraft envelopes and forwarded to Chemex Laboratories in Calgary for analysis. Chemical analysis of the samples employed standard procedures beginning with the drying and sieving of the sample to a minus 80 mesh. A 0.5 gram sample was then treated with nitric acid and finally digested totally in perchloric acid, then diluted to 25 ml. and analyzed with an atomic absorption instrument. Samples were analysed for molybdenum and tungsten with results reported in parts per million. The location of soil samples and the results of the analyses are plotted on Figures 4 & 5.

8.3 Geophysics: An induced polarization survey was conducted on 20.5 km of line during the period April 30 to May 24 by Glen E. White, Geophysical Consulting and Services Limited of Vancouver, B.C. The method used and results of the survey are included in a separate report submitted by the consultant.

8.4 Geological Mapping: In April and May the property was mapped at a scale of 1:5000 and remapped in more detail at a scale of 1:2500 in August and September (Figure 3).

8.5 Diamond Drilling: Nine shallow holes (less than 125 m) were drilled in July and a tenth vertical hole 351.7 m long was drilled in October. All diamond drill holes are BQ size and a total of 1070.5 m was drilled. Location of the diamond drill holes are indicated on Figure 3.

Core samples selected for assaying were split and sent to Chemex Laboratories Limited of Calgary, Alberta. The results of the assaying are included in the diamond drill logs listed in the Appendix.

Core from the drilling program is stored in a core rack on the property of Mr. Kenneth Shaub in Boswell, B.C.

## 9.0 PERSONNEL

Geological mapping in April and May was conducted by A.J. Morris, B.Sc. Linecutting and soil sampling in April and May was supervised by A.J. Morris and conducted by J. Pritchard, A. Multamaki, M. Bailey, J. Dutt and M. Anderson.

The induced polarization survey was contracted to Glen E. White, Consultant Geophysical and Services Ltd., of Vancouver, B.C.

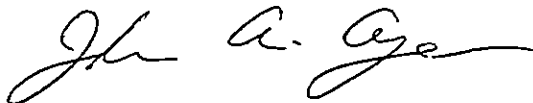
The diamond drill program was supervised by J.A. Ayer, M.Sc., with the assistance of S. Irwin.

Detailed geological mapping was conducted by J.A. Ayer in August and September with the assistance of S. Irwin.

10.0 QUALIFICATIONS OF WRITER

J. A. AYER

- A. I, John A. Ayer, am by profession a Geologist residing at 6395 Chatham Street, West Vancouver, V7W 2E1, in the Province of British Columbia.
- B. I graduated in the year 1976 from Carleton University, Ottawa, Ontario with an honours B.Sc. degree in Geology.
- C. I graduated in the year 1979 from Carleton University, Ottawa, Ontario, with a M.Sc., degree in Geology.
- D. I have been employed full time in exploration and mining geology since graduation.



John A. Ayer, B.Sc., M.Sc.

COST BREAKDOWN

<u>Personnel</u>	<u>Dates</u>	<u>Wages</u>	<u>Total</u>
A.J. Morris	April 9 - 25 & April 28 - May 4	\$ 225	\$ 5,400
J. Pritchard	April 15 - May 4	67	1,340
A. Multamaki	April 20 - 24	67	335
M. Bailey	April 18 - May 4	67	1,139
J. Dutt	April 15 - 18	67	268
M. Anderson	April 18 - May 4	67	1,139
J. Ayer	June 16 - July 30, Aug. 5 - 6 Aug 31 - Sept. 3, Oct. 13 - 26	135	4,185
S. Irwin	June 10 - July 30, Aug 5 - 6	80	1,360
Meals & Accommodations @ \$40/day/man			5,400
Transportation, 4 x 4 all inclusive @ \$80/day			4,400
Diamond Drilling			83,774
Induced Polarization Survey			22,100
Assays & Geochemistry			5,158
			<hr/>
		Total....	<u>\$ 135,998</u>

# Diamond Drill Record

# DEKALB MINING CORPORATION

Hole No. DK-81-1  
 Property Grey Creek  
 Project No. 4050  
 Commenced 6-30-81  
 Completed 7-1-81

Length 272 Ft.  
 Bearing 090°  
 Dip 45°  
 Lat. 1+005  
 Dep. 7+95E  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etc. at 272 ft.  
 True Dip \_\_\_\_\_  
 Logged by John Ayer  
 Date Logged 5-6-81

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM			
						Length	Mo		
	0	14	Overburden						
	14	53	Quartz Monzonite:	1508	14-24	10	3		
			14-305' fine to medium grained, pink coloured, with	09	24-30	6	15		
			accessory bi., mu., & py. Locally cut by muscovite -	10	30-31	1	33		
			rich zones (phyllic alt'n?).	11	31-41	10	1		
			30.5' 5 cm. muscovite (mu.) vein with f.g. diss.	12	41-53'	12	-1		
			moly flakes, vein at 30° w.r.t. C.A.						
			30.5-53' Alaskite: white, leucacrotic with accessory						
			mu. & py.						
			41-45' Very Blocky, 30% recovery						
			45-48' Very Blocky, 50% recovery						
	53	161	Andalusite Schilst: Greenish grey, andalusite						
			prophyroblasts up to 1 cm long in a matrix of mu.,						
			chl., bi., plaq., qz, & py. (locally abundant up to						
			10%), also f.g. porphyroblasts of bi., and chl. are						
			present. Numerous 1-to 5 cm.						



# Diamond Drill Record

DEKALB MINING CORPORATION

Hole No. DK 81-1  
 Properly \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM			
						length	Mo		
			Continued						
			134-136' 2 cm mud seam with rock fragments, seam oriented parallel to C.A.						
				1522	134-144	10	18		
			138-140' 3 cm. mud seam	23	144-147	3	7		
			144-147' <u>Quartz Monzonite Dyke</u> similar to 14'-30'	24	147-160	13	10		
			160-161' Contact zone with quartz vein at contact with fig. diss. moly.	25	160-161	1	12		
161	173		<u>Kspar Porphyry Dyke</u> : white colour, v.fog. ground mass with pink kspar phenocrysts up to 5 mm. long, also fig. musc. flakes & 1-2% diss. py. West contact at 20° w.r.t. C.A.	1526	161-173	12	6		
			167.5 2 cm qz. vein with v.f.g. diss. moly.						
173	180		<u>Muscovite - Biotite - Chlorite Schist</u>	1527	173-180	7	49		

# Diamond Drill Record

DEKALB MINING CORPORATION

Hole No. DK 81-1  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Elch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis			
						Length	PPM Mo		
			Continued						
			Light grey, fig. with bio & chl. porphyroblasts & good foliation defined by aligned musc, flakes. Abundant diss. py. (up to 10%)						
	180	187	<u>Kspar Porphyry Dyke: Similar to 161-173'</u>	1528	180-187	7	32		
	187	234	<u>Muscovite - Biotite - Chlorite Schist: Similar to 173-180'.</u>	1529	187-197	10	17		
			192-194' Blocky ground, 50% recovery	30	197-207	10	83		
			203-205' 2 ft. mud seam "washed out"	31	207-217	10	40		
			205' foliation at 20° w.r.t. C.A.	32	217-227	10	49		
			213-214' 1 ft. mud seam	33	227-234	7	25		
	234	245	<u>Metaconglomerate: Medium grey colour with rounded clasts up to 5 cm in dia. in a fig. arenaceous matrix with abundant musc. &amp; py. Clasts consist of qz &amp; feldspar with metasandstone. Foliation is</u>	1534	234-245	11	56		







# Diamond Drill Record

# DEKALB MINING CORPORATION

Hole No. DK -81-2  
 Property Gray Creek  
 Project No. 4050  
 Commenced 7-2-81  
 Completed 7-5-81

Length 276 Ft.  
 Bearing 180°  
 Dip 50°  
 Lat. 1+005  
 Dep. 7+95E  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at 276 Ft.  
 True Dip \_\_\_\_\_  
 Logged by J. Ayer  
 Date Logged 6-6-81

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM					
						Length	Mo	Mo (%)			
	0	15	Overburden								
	15	30	<u>Andalusite Schist</u> : Greenish grey with grey porphyroblasts of andalusite up to 5mm long, also f.g. <sup>or</sup> prophroblasts of bi. & chl. in a matrix of mu., ch., bi., plag, & qz with up to 5% diss. py. Locally cut by 1 to 5 cm. qz veins, with diss. py & v.f.g. moly flakes at the vein margin.	1539	15-25	10	43				
			28-30 Musc.- Bi. - Ch. Schist bed fol. at 50° w.r.t. C.A. Several thin fault slips with "moly paint".	40	25-30	3	191	0.01			
	30	46	<u>Kspar Porphyry Dyke</u> : White, with pink felspar phenocysts up to 5mm. long in a v.f.g. groundmass with accessory mu. & py.. 32-40' Blocky 60% Recovery 45-46' Blocky 60% Recovery	1541	30-40	10	46				
					40-46	6	36				



## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-2  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM					
						Length	Mo	Mo (%)			
	77	97	<u>Kspar - Quartz Porphyry Dyke (sulfide Spotted):</u> white with pink fs. phenocrysts up to 5mm long and 1mm. square quartz phenos in a v.f.g. groundmass with accessory mu. & py. Large shperoidal spots of v.f.g. sulfide aggregates (as yet unidentified) appear to have nucleated along numerous randomly oriented fractures.	1547	75-85	10	.28				
			80-95: Sulfides spots most abundant at 95' south con- tact at 60° w.r.t. C.A.								
	97	186	<u>Muscovite-Biotite- Chlorite Schist:</u> Similar to 75' to 77'. 97-107: 1 to 5 cm qz veins with minor diss. moly 107 fol. at 40° w.r.t. C.A. 112-114 2 ft. qz vein with extremely coarse py. 115' & 116' 5cm. qz veins with coarse py & moly	1549	97-107	10	12				
				50	107-112	5	17				
				51	112-117	5	2060	0.095			



# Diamond Drill Record

Hole No. DK-81-2  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM			
						Length	Mo	Mo (%)	
	186	231	Metalsandstone: similar to 51' to 68'	1560	186-196	10	11		
			188-187' Conglomerate bed, <sup>lo r</sup> <sup>fol.</sup> fp; at 45° w.r.t. C.A.	61	196-206	10	6		
			204'-206' Schist bed	62	206-211	5	194	0.011	
			206'-211' Several 5 to 10cm qz veins with py. & moly	63	211-221	10	6		
			206'-215' Blocky, 50% rec.	64	221-231	10	9		
			225' 20cm qz vein with minor sulfide						
			226'-227' Schist bed						
			229'-231' Several 10-20 cm. qz veins with diss. moly						
	231	263	Andalusite Schist: similar to 15' to 30'	1565	231-241	10	15		
			346' fol. at 45° w.r.t. C.A.	66	241-251	10	15		
			250'-251' 1 ft. mud seam with rounded pebbles	67	251-263	12	10		
			260'-261' 1 ft. qz vein with diss. moly						
			261'-263' Apalite Dyke						
	263	276	Conglomerate Grey with large rounded Clasts	1568	263-276	13	15		
			(up to 5 cm long) of quartz and quartzite						
		276	End of Hole						

# Diamond Drill Record

DEKALB MINING CORPORATION

Hole No. DK-81-3  
 Property Grey Creek  
 Project No. 4050  
 Commenced 7/5/81  
 Completed 7/6/81

Length 164 ft.  
 Bearing \_\_\_\_\_  
 Dip Vertical  
 Lat. 1 +00S  
 Dep. 7 +95E  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at 164 ft.  
 True Dip 88.5°  
 Logged by 7/7/81  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	ANALYSIS PPM			
						length	Mo	Mo. (%)	
	0	20	Overburden	1569	20-30'	10	47		
	20	30	Muscovite - Biotite - Chlorite Schist: 20-30' Blocky ground, 60% recovery.						
	30	41	<u>Kspar Porphyry Dykes</u> 31-33 Fault breccia zone 33-34 Blocky, 50% rec. 37.5-38 Fault breccia zone 39-41 Blocky, 50% rec. 41-44 L.C.	1570	30-41	11	277	0.010	
	44	71	Muscovite - Biotite - Chlorite Schist: 44-46 Blocky, 50% rec.	1571	44-46	2	10		
				72	48-58	10	23		



# Diamond Drill Record

# DEKALB MINING CORPORATION

Hole No. DK-81-3  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Elch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM			
						length	Mo.		
			Continued						
			45-46 Qz. vein with diss py. & moly.						
			46-48 L.C.						
			48-50 Blocky, 50% rec.						
			50-52 thin qz veins with diss. py & moly.						
44	71		Muscovite - Biotite - Chlorite schist	1573	58-68	10	11		
			52-55' Blocky, 50% rec.	74	68-71	3	3		
			56' Bedding parallel to fol @ 45° w.r.t. C.A.						
			58-62 Blocky, 60% rec.						
			67.5-68.5 Mud seam						
			68.5-71 Blocky, 60% rec.						
			71-78 L.C.						
78	86		Kspar Porphyry Dyke:	1575	78-86	8	11		
			78-84: Very Blocky, 30% rec.						
86	113		Andalusite Schist:	1576	86-91	5	10		





## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-4  
 Property Grey Creek  
 Project No. \_\_\_\_\_  
 Commenced 7/7/81  
 Completed 7/8/81

Length 80 ft.  
 Bearing 180°  
 Dip 50°  
 Lat. 2 + 00S  
 Dep. 6 + 10E  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at No Etch  
 True Dip \_\_\_\_\_  
 Logged by J. Ayer  
 Date Logged July/14/81

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	0	10	Overburden							
	10	80	Chlorite - Muscovite Schist: Green with coarse-grained porphyroblasts of chlorite in a fire-grained schistose matrix of musc, plag, qz & minor diss py.	1584	17.5-20	2.5	982	0.3	34	8
			10-11 Andalusite porphyroblasts up to 5 mm long	85	20-28	8	34	-0.1		
			10-17.5 Blocky, 60% recovery, fol @ 55° w.r.t. C.A.							
			17.5-20 Brecciated Quartz Vein angular fragments of quartz in f.g. <sup>ru</sup> matrix.							
			20-28 Very Blocky, 20% recovery							
			28-51 Blocky, 70% recovery							
			35' Minor fold in bedding, axial plane parallel to foliation @ 50° w.r.t. C.A.							
			40-40.5 Metaconglomerate bed with 1-2 cm qz veins with diss. py.							
			51-52 Lost Core							
			52.5-54 Lost Core							

# Diamond Drill Record

# DEKALB MINING CORPORATION

Hole No. DK-81-4  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	10	80	Continued							
			<u>Chlorite - Muscovite Schist:</u>	1586	565-575	1	54			
			54-56.5 Blocky, 60% recovery	87	68-80	12	5			
			56.5-57.5 <u>Aplite Dyke:</u> White, m.g. with musc. & diss py. & moly. Also qz vein material with py. & moly.							
			57.5-70 L.C.							
			70-80 Very Blocky, 40% recovery several 5-10 cm qz veins with py.							
		80	End of Hole							

## Diamond Drill Record

DEKALB MINING CORPORATION

Hole No. DK-81-5  
 Property Grey Creek  
 Project No. 4050  
 Commenced 7/8/81  
 Completed 7/9/81

Length 169 ft.  
 Bearing 180°  
 Dip 60°  
 Lat. 2 + 00S  
 Dep. 6 + 10E  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at no etch  
 True Dip \_\_\_\_\_  
 Logged by J. Ayer  
 Date Logged 7/14/81

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	0	10	Overburden							
	10	169	Chlorite - Muscovite Schist: (similar to 81-4)	1588	25-30	5	8	-0.1	9	64
			10-22' Blocky, 70% recovery	89	30-39	9	4			
			22-25' Lost Core	90	39-41	2	43			
			25-27' Brecciated Quartz Vein (similar to 81-4)	91	44-49	5	10			
			29.5-30' Brecciated Quartz Vein	92	52-57	5	5			
			30-41' Blocky, 60% recovery.							
			39' 5 cm. Aplite vein with abundant musc & diss py & moly							
			41-44' L.C.							
			48-48.5' 20 cm Aplite vein with musc & diss py & moly							
			Contact @ 30° w.r.t. C.A.							
			49-52' L.C.							
			55' fol. at 70° w.r.t. C.A.							
			57-59' L.C.							
			59-68' Blocky, recovery 30%							

## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-5  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	10	169	<u>Chlorite- Muscovite Schist:</u> Continued.	1593	73-77	4	53			
			68.5-71 L.C.							
			72-73' L.C.	94	86-88	2	36			
			73-77' Very Blocky, 30% recovery	95	90-98	8	5			
			76' 5 cm qz vein with diss py % <u>moly</u>	96	98-100	2	4	-0.1		
			77-85' Blocky, 50% recovery	97	100-109	9	6	-0.1	4	126
			85-86' L.C.	98	109-111	2	27			
			86-88' Blocky, 60% recovery, qz vein fragments with diss py.4 <u>moly</u> .							
			90.5' qz vein with chl. & py.							
			94' qz vein with chl. & py.							
			95-98' <u>Andalusite Schist</u> bed							
			98-99' 1-2 cm qz veins with diss. <u>moly</u>							
			104-107' 1-2 cm lenses of bit sulfide oriented parallel to fol. at 40° w.r.t. C.A.							
			109-111' <u>Aplite Dyke:</u> White mg. with bit musc & diss py & moly							

## Diamond Drill Record

DEKALB MINING CORPORATION

Hole No. DK-81-5  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis				
						Mo	Ag	Pb	Zn	PPM
	10	169	Chlorite-Muscovite Schist: (continued)	1599	111-121	10	4			
			112' 5 cm. qz. vein with ch. & py.	1600	123-128	5	9			
			115-121' Blocky, 60 % recovery	01	129-136	7	10			
			121-123' L.C.	02	138-149	11	4			
			128-129' L.C.	03	149-150	1	185			
			136' 20 cm qz vein eith chl & py	04	152-165	13	4			
			136-138' L.C.	05	165-167	2	38	1.9	180	190
			146' Minor folds in bedding with axial plane parallel to fol. at 45° w.r.t. C.A.	06	167-169	2	12			
			149-150' Aplite Dyke with musc & diss py & moly							
			150-152' L.C.							
			163' fol. at 45° w.r.t. py & moly							
			165-167' Aplite Dyke with musc-py & moly							
			168-169' qz vein with chl. & py.							
		169	End of Hole							



## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-6  
 Property Grey Creek  
 Project No. 4050  
 Commenced 7/10/81  
 Completed 7/11/81

Length 308 ft.  
 Bearing 360°  
 Dip 45°  
 Lat. 6 + 35S  
 Dep. 8 + 00E  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Elch. at 308 ft.  
 True Dip 46°  
 Logged by J. Ayer  
 Date Logged 7/17/81

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	0	32	Overburden:							
	32	308	<u>Granite:</u> Pink, medium-grained, with occasional coarse-grained pink alkali feldspar phenocrysts in a finer-grained ground mass of equigranular quartz (30%), plagioclase (30%), alkali feldspar (25%) with accessory biotite (10%) chlorite (3%) epidote (1%), muscovite (1%) & pyrite (tr.)	1607	35-36	1	16			
			35-36 Alteration Vein; consists of m.g. musc., qz, calcite & sulfides (mostly py.),	08	40-41	1	52	-0.1	8	11
			40-41 2 cm qz vein with diss py. & moly. with minor purple <u>fluorite</u> , occurring within a 1 ft. wide alteration selvage similar to 35-36'. Contact @ 75° w.r.t. C.A.							
			53' 10 cm. qz vein with c.g. py. xtals & minor f.g. <u>moly</u> flakes. Cntc. 30° C.A.	1609	52.5-53.5	1	31			
			58-70' Propylitic Alteration Zone: granite is alte-	10	60-63	3	121	7.4	258	58
				11	64.5-65.5	1	2	104	4300	1355

## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-6  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis- PPM					
						length	Mo	Ag	Pb	Zn	
	32	308	Continued red to dark green due to extensive epidotization of plagioclase as well as the addition of calcite. <i>surrounds</i> Zone is around several 5 to 10 cm thick quartz veins with py. galena., amber sphalerite & minor moly. 60' 10 cm qz vein, with a 1 cm muscovite - rich selvage with diss. py & moly. 61-63' Shear Zone; Incompetent & clay-rich granite with several slip surfaces with "moly paint" @ 30° w.r.t. C.A. 65' 10 cm vein with galena, amber-coloured spha- lerite & py. @ 35° w.r.t. C.A. 69-70 Thin fractures with propylitic selvage @ 35° w.r.t. C.A. 89' 3 cm. vein with c.g. qz & alkali felspar xtals. with py & moly (potassic altn vein) with a 1cm musc-rich selvage with moly @								
				1612	92-94	2	4				
				13	109-110	5 1.5	2	138	5540	679	

# Diamond Drill Record

# DEKALB MINING CORPORATION

Hole No. DK-81-6  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	32	308	Continued 30° w.r.t. C.A.							
			92' 2 cm qz-py vein within a 2ft. musc-rich alteration selvage. Minor v.f.g. moly is visible adjacent to the vein. Vein is oriented at 35° w.r.t. C.A.							
			98-99 Aplite Vein: pink, f.g., equigranular with a few clots of fig. py. xtals. Contact at 15° w.r.t. C.A.							
			109-110.5 2.5 to 10 cm. qz veins with galena, sphalerite & f.g. scheelite specks in a 1.5 ft. zone of prophylic alteration. Veins @ 40° w.r.t. C.A.							
			127-129 2, 10 to 20 cm thick zones of potassic alteration (very pink) with up to 1% diss. fig. moly. The zones occur within a 2ft. zone of green propylite alteration with trace fig. diss moly throughout.	1614	127-129	2	688	0.3		
				15	153-158	5	5	(-2ppmW)		
				16	217-218	5 1 5	55			
				17	241-242	1	6	4.0	1559	17
				18	246.5-247.5	1	307			

# Diamond Drill Record

# DEKALB MINING CORPORATION

Hole No. DK-81-6  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	32	308	Continued.							
			153' 2 cm. qz-py vein with trace diss <u>moly</u>							
			157.5 2 cm qz-py vein with trace diss <u>moly</u>							
			177' 5 cm pink aplite vein @ 15° wrt C.A.							
			183-184' qz-musc-cc-py alteration zone.							
			209' Fracture with smear of moly paint @ 15° C.A.							
			217-218.5 2 cm qz-cc-py- <u>moly</u> vein within a 1 ft. musc-rich selvage.							
			241' 3 cm. qz-py-moly vien within a 2 ft. propylitic alteration selvage.							
			247' 2 cm qz vein @ 25 w.r.t. C.A. with minor diss moly in vein selvage.							
			257-262' Aplite vein, pink, f.g. contact almost parallel to C.A.	1619	301-302	1	12	33	1291	34
			262-263' Propylitic alteration zone on north margin of aplite vein.							
			270-274' Aplite dyke with occassional qz phenocrysts.							





## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-7  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo.	Ag	Pb	Zn
	9	369	Continued.							
			30-36.5' Several 1 to 2 qz veins with py and trace fig. <u>moly.</u>	26	63.5- 64.5	1	22			
			36.5-53' Sugary-textured alteration zones from 3 cm to 30 cm, thick. Granite is altered to aplitic (sugary) textured rock, <sup>lt</sup> greenish color consisting of qz, plag, musc. & diss. py & <u>moly.</u>							
			59' 1 cm py & moly-rich seam							
			64' 1 cm qz vein with py & <u>moly</u> within a 30 cm selvage of propylitic alteration.							
			86-87' White qz vein with minor galena & sphalerite (amberjack) within a 60 cm selvage of propylitic <u>altn</u>	1627 28 29	86-87 129- 134.5 134.5- 139	1 5.5 5.5	10 114 20	43 0.2	2700 40	9500 90
			98-192' Green propylitic alteration zone:	30 31	139- 141.5- 145	2.5 3.5	2336 91	0.3	15	111
			104' 5 cm qz vein with galena & sphalerite	32	145-160	15	143			

## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-7  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Elch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	9	369	Continued.							
			107-108' fault zone- very incompetent rock							
			129-134.5' Weakly disseminated Moly zone: uniformly diss moly. (.1 to .2 %) in light green sugary textured alteration zone with plag. altered to epidote & biotite to chlortic with about 5% diss. py.							
			139-141.5 1% to 2% diss moly with 10% diss py in dark green highly altered granite.							
			141.5-160 Weakly diss Moly Zone (similar to 129-134.5')							
			161-162' Fault Gouge Zone at 15° w.r.t. C.A.	1633	160-168	8	33			
			176-182' Several 1402 cm qz veins with lt. green sugary textured selvages & trace diss moly.	34	176-182	6	6			
				35	204-206	2	10			
				36	209-213	4	6			
			205' 10 cm qz vein with musc. & minor moly withing a 60 cm selvage	37	234.5- 235.5	1	1			
				38	238-249	11	46	0.4	30	82
			209-213' Several 1-2 cm qz-k. spar-musc veins with							



## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-7  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
			Continued.							
	9	369	musc-rich selvages with minor diss. moly.							
			219' 3 cm qz vein within a 30 cm selvage vein at 45° w.r.t. C.A.							
			235' 10 cm pinkish, sugary-textured alteration zone with d.g. py & minor f.g. moly.							
			238-249' Propylitic altn zone with up to 5% diss py & tr. moly.							
			240' 10 cm thick qz & musc vein							
			245' 1 cm thick py & moly in fracture	1639	264-268	4	2			
			256-258' pink alteration zone	40	283-290	7	3			
			258' 10 cm pink alteration vein	41	307-308	1	26			
			264-268' Several 1 cm qz veins with greenish propylitic altn zone.	42	308-313	5	3	0.1	17	28
				43	336-337	1	8			
			283-290' similar to above with trace moly	44	339-342	3	3	11.5	450	33
			307.5' 5 mm qz-py-moly vein at 15° C.A.	45	352-354	2	5	0.6	34	30.6

# Diamond Drill Record

# DEKALB MINING CORPORATION

Hole No. DK-81-7  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis ppm				
						Length	Mo	Ag	Pb	An
			Continued.							
	9	369	308-313' Several 3 to 5 cm qz veins with c.g. scheelite xtals (flesh colored) within a green propylitic altn selvage.							
			336-337' 10 cm qz vein with minor py cubes, some of which are coated with f.g. moly.							
			339-342' 20 cm qz vein with galena, within a green propylitic alteration selvage.							
			352-354' 2, 1 to 2 qz veins with scheelite in 60 cm musc-rich selvage with minor diss moly							
		369	End of Hole.							



## Diamond Drill Record

DEKALB MINING CORPORATION

Hole No. DK-81-8  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
			Continued.							
	5	175	145-146' Several irregular qz vein with ch. & py.							
	175	198	Metaconglomerate: quartz pebbles in chlorite-muscovite schist matrix with subordinate layers of schist.	1252	202-203	1	77			
				53	226-227	1	290			
				54	227.5-231	3.5	34			
				55	246-251.5	5.5	3			
	198	289	Chlorite Mascouite Schist:	%	251.5-255.5	4	26			
			202-203' 10 cm Aplite vein with diss py & moly. (tr)							
			226-227' Several 5 cm qz veins with py & moly.							
			227.5-236' Porphyry Dyke, v.f.g. with up to 5 % diss py. Cntc. at 70° w.r.t. C.A.							
			250' fol. in schist at 40° w.r.t. C.A.							
			251.5-255.5' Granite Dyke with propylitic att'n diss py & moly (trace)							
			258.5-259.5' (same as above)							
			269-272' Blocky ground, 60 % recovery							
			272-276' L.C.							

## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-8  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM				
						length	Mo	Ag	Pb	Zn
	289	322	Continued.							
			<u>Granite:</u> Contact phase- fig. to m.g. irregular texture	1257	289-290	1	21			
			with abundant aplite dykes & alteration	58	294-296	2	1			
			zones.	59	301.5-302.5	1	13			
			289-290' Porphyritic alteration with diss py. moly.	60	303-304	1	1			
			290-298' Pink alteration zones with diss moly (tr)							
			with a zone of porphyritic alt'n.							
			302' 3 cm qz -py-moly vein							
			303-304' pink aplitic alt'n zone & diss py & moly (tr)							
			305-307' Porphyritic alteration zone.							
			311.5-316' <u>Chlorite schist inclusion</u> - block 70% rec.							
			320' 5 cm qz vein with musc-ncl selvage							
			321-322' Aplite dyke, fig. pink colour.							
	322	400	<u>Granite:</u> Pink colour, m.g. equigranular with c.g.	1261	326-333.5	7.5	1			
			pink phenocrysts of alkali feldspa	62	333.5-334.5	1	25			
				63	338.5-339.5	1.5	1			
			326-341' Porphyritic alteration zone, green colored	64	337.5-341	1	1991			

# Diamond Drill Record

# DEKALB MINING CORPORATION

Hole No. DK-81-8  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Elch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis				
						length	PPM <sub>Mo</sub>	Ag	Pb	Zn
	322	400	Continued.							
			due to epidotized play & chloritized bi.	1265	342-343	1	167			
			with some minor pink alteration zones	66	351-354.5	3.5	227			
				67	365.5-357.5	1	220			
			334' 1 cm qz-py-moly vein with musc-nch. selvage	68	361-364.5	3.5	158			
			339' 1 cm, musc- rich selvage							
			343.5' 10 cm qz vein with c.g. py & moly							
			351-354.5' Several pinkish alt'n zones with musc. & diss. moly.							
			352-353' Qz vein with py & moly							
			361-364.5' Several qz veins with moly & moly in selvages.							
			368-374' Schist inclusion							
	400		End of Hole.							

## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-9  
 Property Grey Creek  
 Project No. 4050  
 Commenced 7/18/81  
 Completed 7/20/81

Length 298 ft.  
 Bearing 360°  
 Dip 47° ( at collar)  
 Lat. 3 + 75S  
 Dep. 1 + 00E  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at 298 ft.  
 True Dip 49°  
 Logged by J. Ayer  
 Date Logged 7/23/81

Elev.	From	To	Description	Assay No.	Assay Length	Analysis (PPM)			
						length	Mo	Ag	
	0	19	Overburden						
	19	85.5	Chlorite - Muscourite Schist: Light grey with green spots caused by c.g. chlorite porphy-roblast in a f.g. schistose matrix of musconite qz. & plag.	1269	48-52	4	74		
			45' fol. in schist @ 25° w.r.t. C.A.	70	52-57	5	4		
			48-52' Several aplite dykes up to 30 cm thick with musc, diss py & f.g. moly flakes.						
			57' 10 cm white qz vein with chl. & py.						
			57.5- 59' Andalusite porphy roblasts up to 1cm long are abundant within the schist.						
			60-61' qz vein with chl & py.						
			61-64' blocky ground, 60% recovery						
			71-74' Possible Fault-very blocky, 30% recovery						
			75-85' Several white qz veins up to 30 cm, thick with chl. py & occassioan thin grey seams with v.f.g. diss moly.	1271	75-85	10	73		

## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. DK-81-9  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Elch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM			
						length	Mo	Ag	
	85.8	298	<u>Granite:</u> Pink to greenish in colour, m.g., much alteration evident throughout causing the granite to be relatively incompetent and blocky.						
			85.5' Contact with schist at 40° w.r.t. C.A.						
			85.5-216' Greenish propylitic alteration predominates. Alteration is strongest around zones with abundant qz. veins. Adjacent to the veins, the alteration is texture-destructive resulting in a m.g. sugary aplitic texture with bi. altered to musc.						
			87-89' Qz veins up to 10 cm thick with c.g. py & moly	1272	87-90	3	1250	1.7	
				73	90-94	4	8000	3.2	
			90-94' Qz vein with v.c.g. py. & moly flakes & blebs	74	94-101	5	29		
				75	101-103	2	953	0.3	
			101-103' Same as above.	76	103-113	10	40		
			113-123' Qz vein with localization of py & moly	77	113-1195	6.5	810	0.1	



## Diamond Drill Record

DEKALB MINING CORPORATION

Hole No. DK-81-9  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM			
						length	Mo	Ag	
	85.5	298	Continued. concentrations	1278	121-123	2	148	-0.1	
			119.5-121' L.C.	79	123-125	2	5		
			125-126' Qz vein with c.g. musc flakes, diss. py. & moly.	80	125-126	1	1334		
			128-148' Granite more pinkish colour with bi. altered to chlorite. Locally granite contains normal gray-coloured (unaltered) particles. In places the granite is cut by numerous thin fractures filled with a lt. green very- fine-grained mineral (epidote?)	81	141-142	1	42		
			143.5' Qz vein (3 cm thick) with musc, selvage <sup>2</sup> with trace moly.	1282	171-174	3	64		
			148-185' Granite is light greenish colour with very abundant fractures filled with v.f.g. green mineral. Here the Granite has a Brecciated appearance.						













## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. GC-81-10  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Elch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis PPM			
						From	To	Mo	
			365' - 370': Lamprophyre Dyke (similar to 222' to 227')						
			365' - 520': Potassic Alteration (similar to 10' to 230')						
			384' - 385': Lost Core (fault zone?)						
			417' - 419': Gouge Zone						
			520' - 561': Relatively unaltered quartz Monzonite.						
			559' - 561': Fault Zone: highly fractive and altered granite with thin mud-filled seams at 30° w.r.t. C.A.						
			561'-595': Potassic Alteration in patches around fracture zones and joints						
			573'-578': Fault Zone						
			582'-584': Fault Zone						





## Diamond Drill Record

## DEKALB MINING CORPORATION

Hole No. GC-81-10  
 Property \_\_\_\_\_  
 Project No. \_\_\_\_\_  
 Commenced \_\_\_\_\_  
 Completed \_\_\_\_\_

Length \_\_\_\_\_  
 Bearing \_\_\_\_\_  
 Dip \_\_\_\_\_  
 Lat. \_\_\_\_\_  
 Dep. \_\_\_\_\_  
 Elev. \_\_\_\_\_

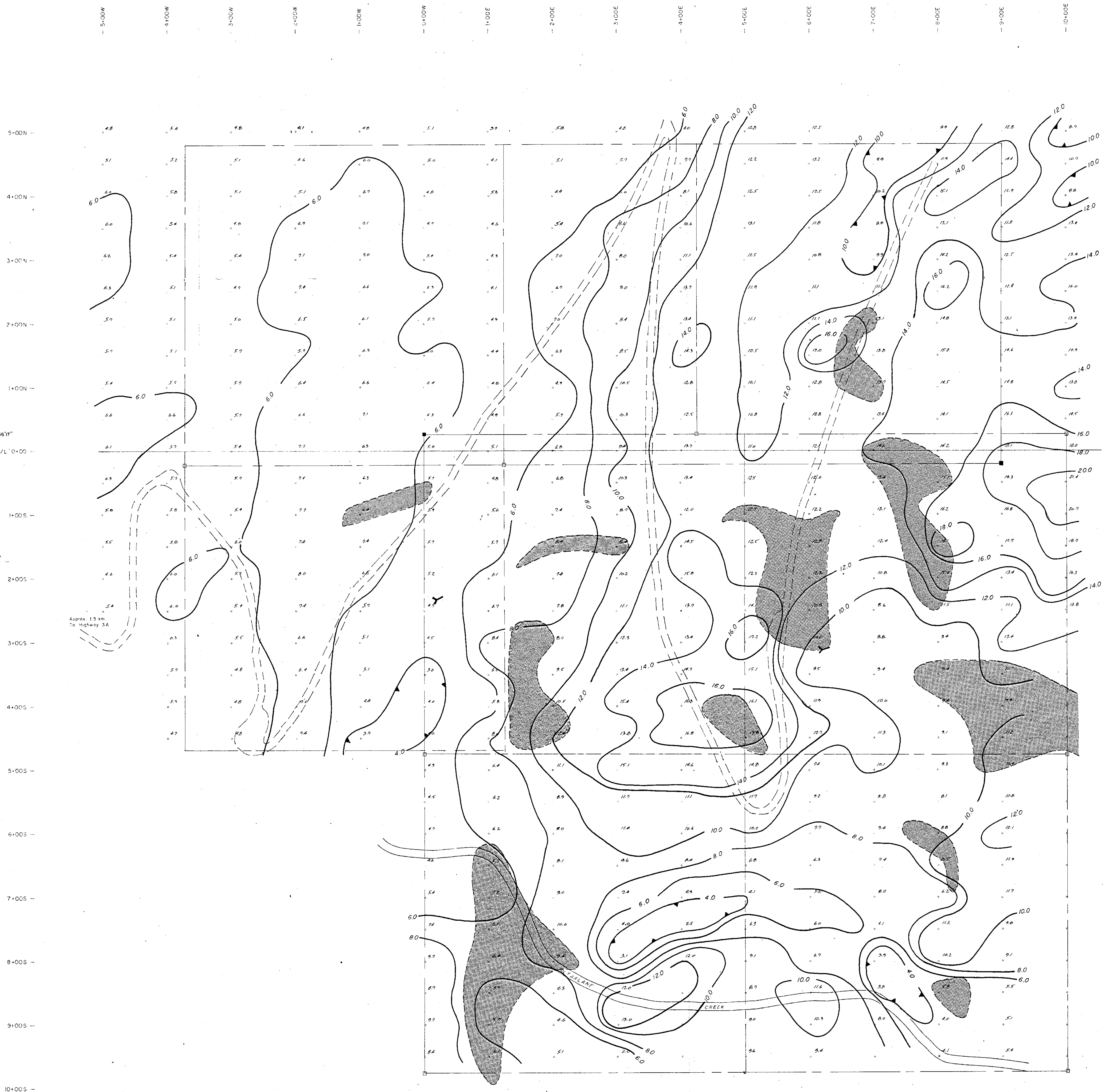
Hor. Comp. \_\_\_\_\_  
 Ver. Comp. \_\_\_\_\_  
 Etch. at \_\_\_\_\_  
 True Dip \_\_\_\_\_  
 Logged by \_\_\_\_\_  
 Date Logged \_\_\_\_\_

Elev.	From	To	Description	Assay No.	Assay Length	Analysis			
						From	To	Mo	PPM
			783' - 793': Highly fractured zone	1826	1	893	894	30	
			827': 0.5 cm graphite and pyrite rich seam at 25° w.r.t. C.A.						
			882' - 883': Pink porphyry dyke with feldspar and biotite phenocrysts in a very fine-grained groundmass						
			893.5': 20 cm porphyry dyke with a 0.5 cm aplite vein on one side. Aplite vein contains minor fine-grained disseminated moly.						
			948' - 955': Thin fractures with phyllic alteration selvages up to 2 cm thick.						
			958' - 997': Potassic Alterations						
			1009' - 1020': Potassic Alterations						
			1037' - 1038.5': Porphyry Dyke						
			1042': 5 cm quartz and Kspar vein at 30° w.r.t. C.A.						





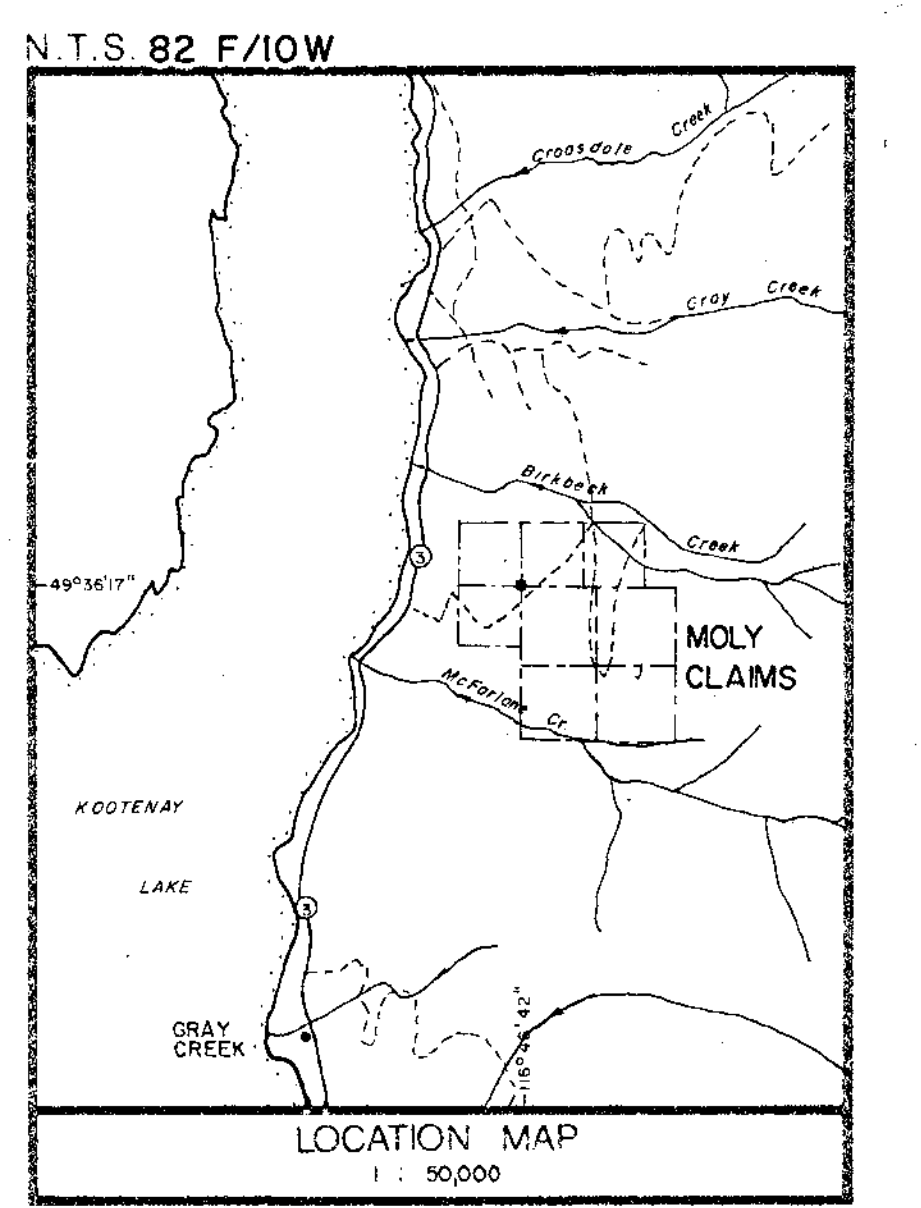
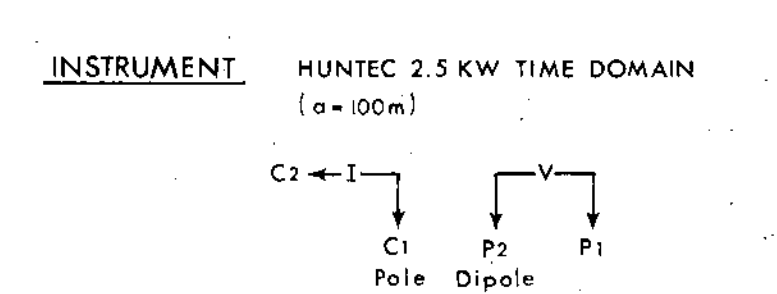
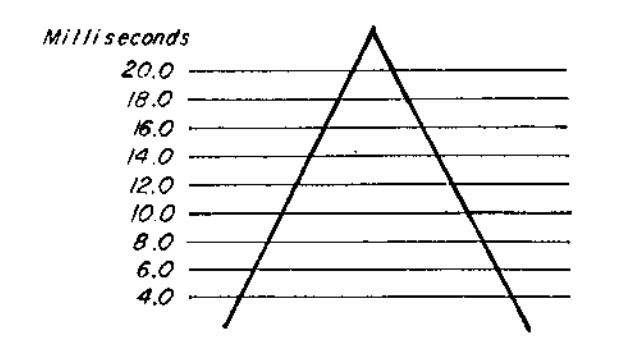




- LEGEND:**
- ROAD
  - CREEK
  - CLAIM BOUNDARY
  - CLAIM POST
  - LEGAL CLAIM POST
  - GRID STATION
  - MOLYBDENUM VALUES > 15ppm, GEOCHEMICAL SURVEY MAR/80
  - Y ADIT

**10307 PART 2 of 2**

**CHARGEABILITY KEY**



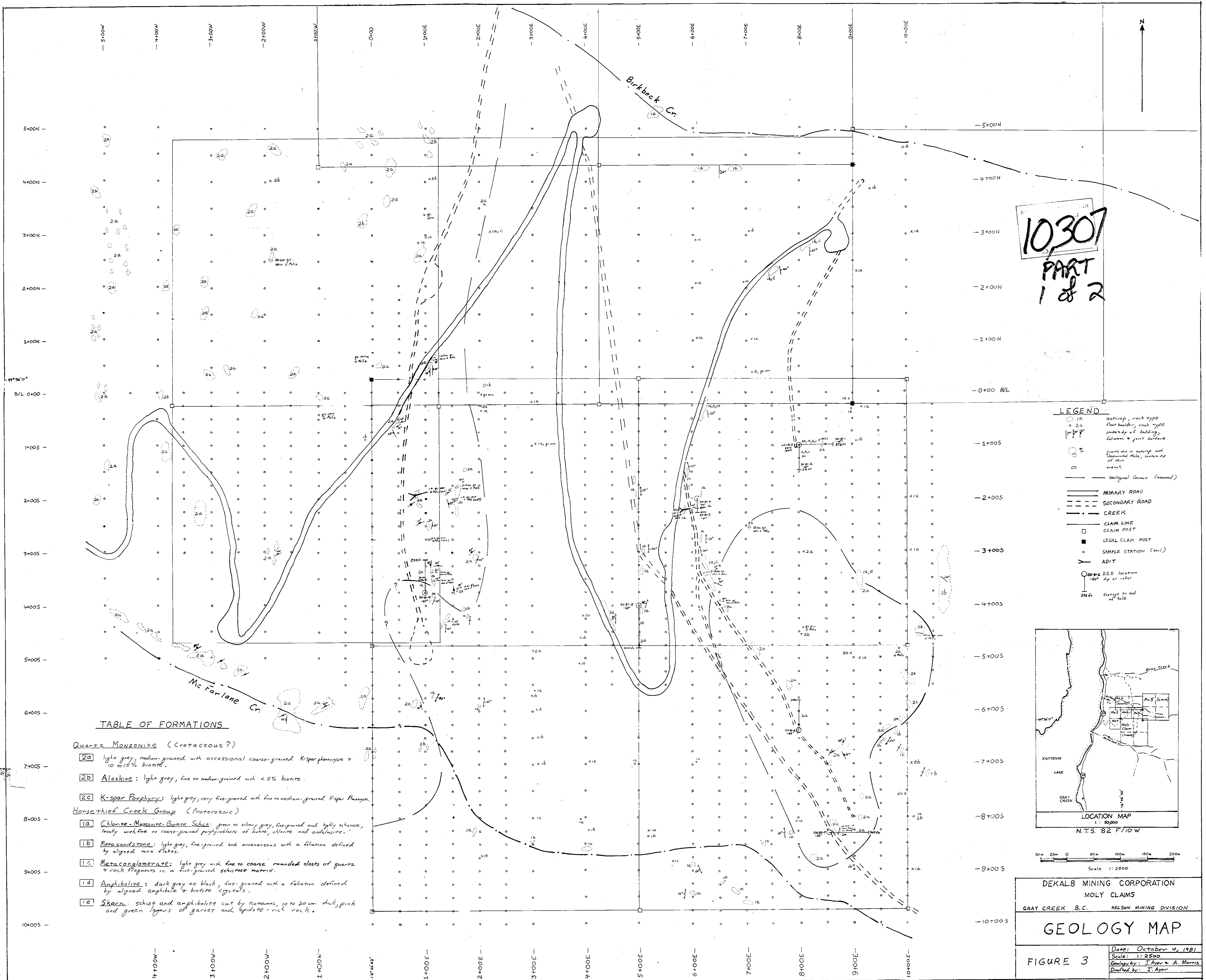
**DEKALB MINING CORPORATION**  
MOLY CLAIMS  
NELSON MINING DIVISION - BRITISH COLUMBIA

**CHARGEABILITY**  
MILLISECONDS

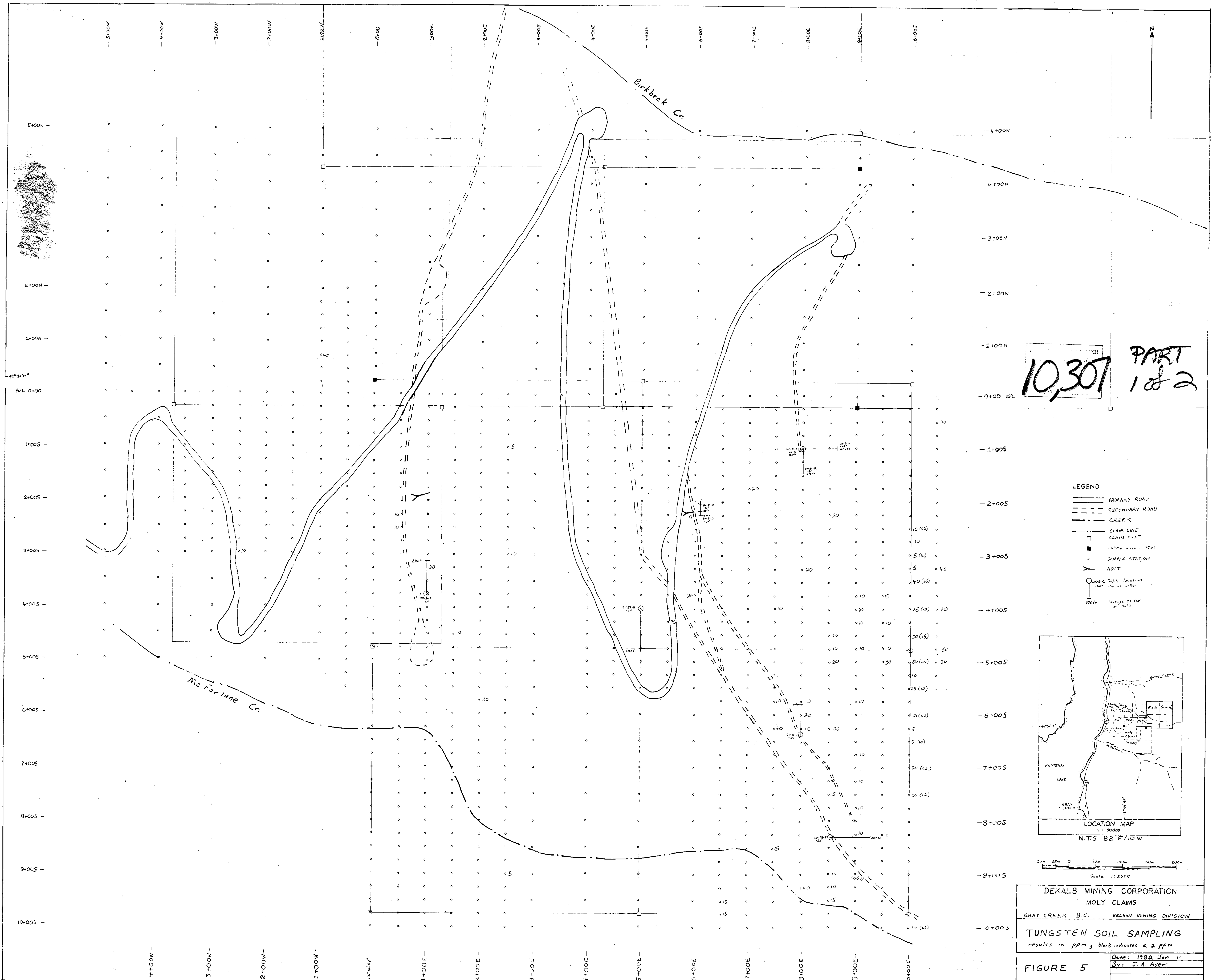
*Glen E. White*  
geophysical consulting  
services Ltd.

Interpreted By: G.E.W.  
Drawn By: N.L.P.  
Checked By: G.E.W.  
Date: JUNE/81  
Fig. No.: 2

To Accompany Geophysical Report  
The Moly Claims  
Date: JUNE/81  
By: GLEN E. WHITE - B.Sc.  
GLEN E. WHITE  
GEOPHYSICIST

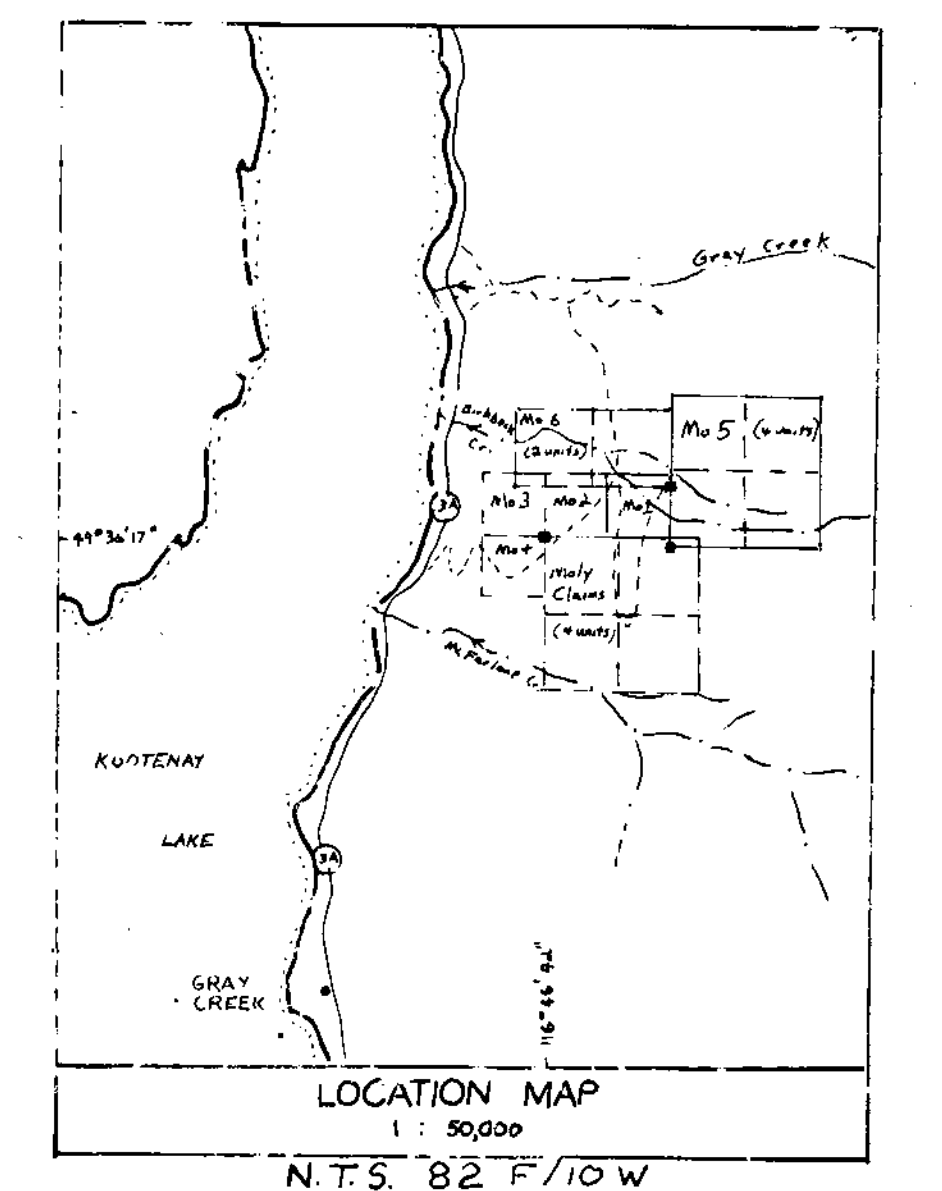






10,307 PART 1 of 2

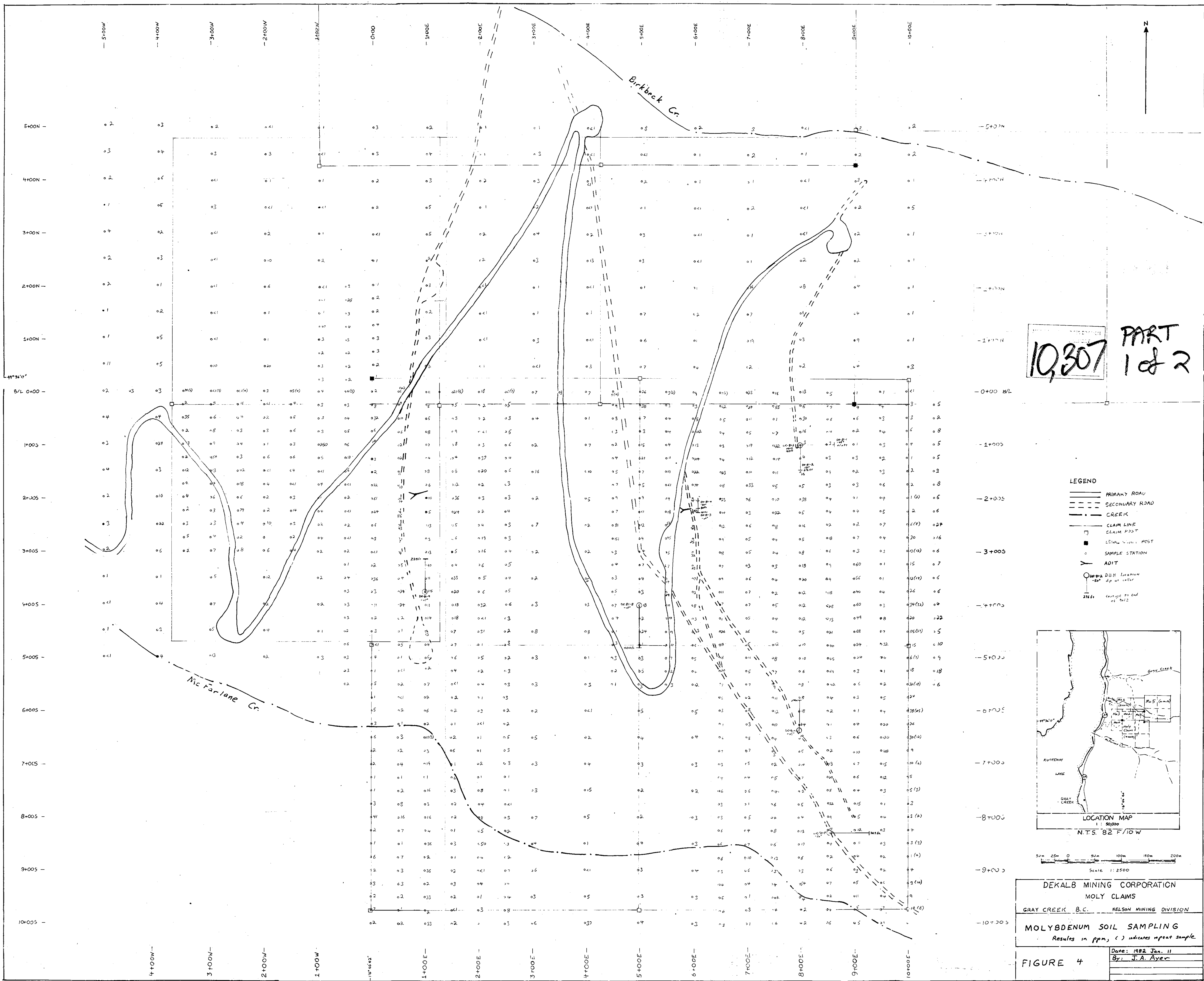
- LEGEND
- PRIMARY ROAD
  - - - - SECONDARY ROAD
  - CREEK
  - CLAIM LINE
  - CLAIM POST
  - CLAIM CORNER POST
  - SAMPLE STATION
  - Y ADIT
  - D.U.N. SECTION
  - RANGE TO END OF TAIL



DEKALB MINING CORPORATION  
 MOLY CLAIMS  
 GRAY CREEK, B.C. NELSON MINING DIVISION  
**TUNGSTEN SOIL SAMPLING**  
 results in ppm, black indicates < 2 ppm

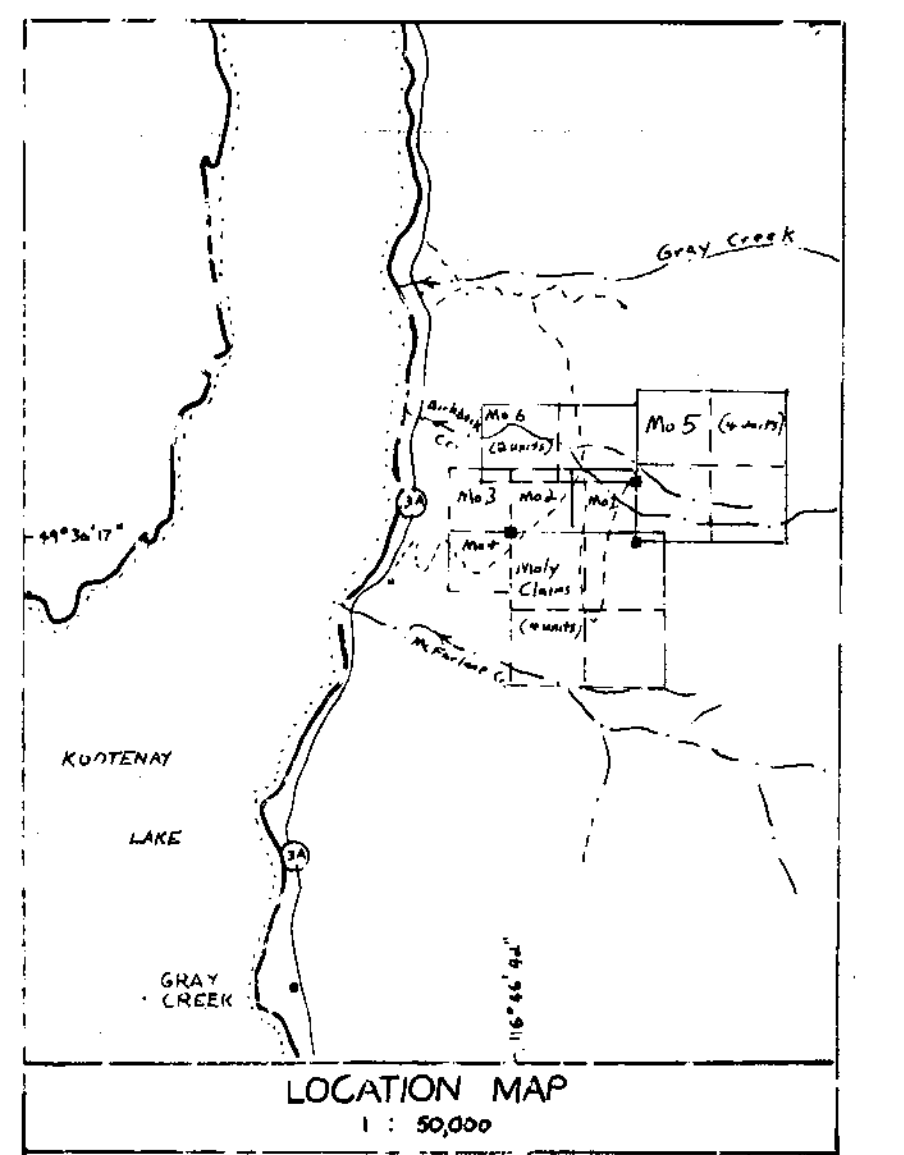
FIGURE 5

Date: 1982 Jan. 11  
 By: J. A. Ayer



10,307 PART 1 of 2

- LEGEND**
- PRIMARY ROAD
  - - - SECONDARY ROAD
  - - - CREEK
  - CLAIM LINE
  - CLAIM POST
  - LEGAL CLAIM POST
  - SAMPLE STATION
  - ADIT
  - UTM-D.M. Location
  - Dip at collar
  - 37661 change to end of 2012



Scale 1:2500

DEKALB MINING CORPORATION  
MOLY CLAIMS  
GRAY CREEK, B.C. NELSON MINING DIVISION

**MOLYBDENUM SOIL SAMPLING**  
Results in ppm, ( ) indicates repeat sample

FIGURE 4

Date: 1982 Jan. 11  
By: J. A. Ayer