DIAMOND DRILLING

AREA: CLEARWATER BAY REPORT NO: 22

WORK PERFORMED FOR: Mingold Resources Inc.

RECORDED HOLDER: Same as Above [xx]
: Other [ ]

Claim No.	Hole No.	Footage	Date	Note
K 1005353	H-2	690.0'	Feb/75	(1) (2)
	ABE-1	757.0'	May/88	(1) (2)
	ABE-2	392'	May/88	(1) (2)
	ABE-3	402'	May/88	(1) (2)

NOTES: (1) W8901.116 and W8901-15, date filed June/89

(2) Similar drill Log and Compilation map added from OM88-3-C-182, Aug/90.

MINGOLD RESOURCES INC.

ABERNETHY PROJECT

DIAMOND DRILLING, STRIPPING

May - Sept.,1988

Clearwater Bay Area, Kenora Mining Division

N.T.S. 52E/10

by

G. E. Bidwell

April 6, 1989

OMEP Designation No. OM 88-3-C-182

Table of Contents

FIGURES

TABLES

APPENDICES

1. Summary

In 1987 Mingold Resources Inc. staked a block of 25 claims 10 km southwest of Kenora, Ontario to cover a gold drill intersection obtained by Hudson Bay Exploration and Development Co. Ltd. in 1975. The Hudson Bay hole, drilling an EM-17 anomaly, intersected a 5.0 ft interval assaying 0.52 oz/ton Au. The single value was associated with pyrrhotite-pyrite stringers in a felsic pyroclastic sequence about 100 metres northwest of a volcanic-sediment contact. Quarter splitting of the core confirmed the anomalous gold result although the value was reduced to 0.34 oz/ton over 1.0 foot. In addition HBED drilled four other holes on the property. Only one hole tested a 8,000 foot long EM-17 anomaly along the volcanic/sediment contact. No other gold values were obtained but only minor sampling was done as the work was directed toward base metals.

The Kenricia gold mine, a small producer from 1939-40 is located 2 km west of the Mingold property. The Kenricia produced 22,700 tons with a recovery grade of 0.11 oz/ton Au from quartz veins hosted by the felsic volcanic sequence.

In 1988 Mingold drilled a three hole program to evaluate the HBED intersection. The first hole (ABE-1) intersected a 6.0 ft. interval assaying 0.59 oz Au/ton and a subsequent hole 200 ft. to the east ran 0.14 oz Au/ton over 2.5 feet. Although the HBED hole cannot be positioned exactly it is felt these two results straddle the HBED intersection. A third hole checked the NE portion of the wide EM anomaly with negative results.

Later in 1988 mechanical stripping was carried out in the vicinity of the drill holes. The pyrrhotite-pyrite stringers were located in bedrock but could not be adequately exposed due to the recessive oxidized sulphides. The best values obtained in these exposures were 0.6 gm Au/1.0 ft, 4.5 gms/tonne over 2.0 feet and 0.8 gms Au across 1.5 feet.

A $200,000 program is proposed involving linecutting, VLF and magnetic surveys, geological mapping, trenching and 1500 metres of diamond drilling.

2. Location and Access

The Abernethy claim block is situated in the north central part of the Lake of the Woods ten km southwest of Kenora, Ontario and two km south of the Trans Canada Highway (fig. 1). The claims cover the southwestern portion of Abernethy Lake and extend westward to Kendall Inlet on the Lake of the Woods. The property is bounded to the south by the Rat Portage Indian Reserve.

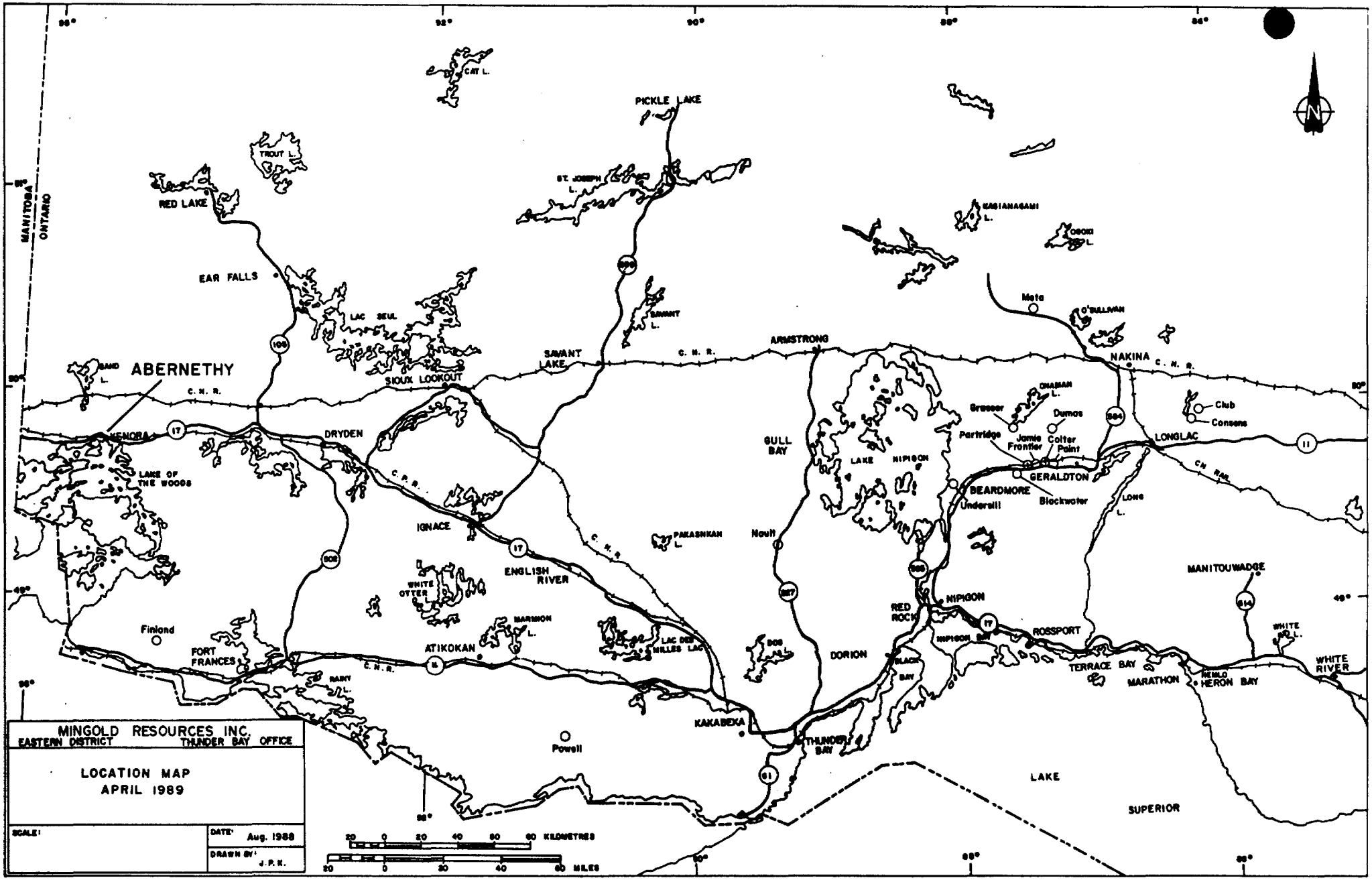
The claims are located within NTS 52E/10 and centred on the 49° 44' latitude and 94° 37' longitude.

Access to the eastern and northern portions of the property can be gained by private roads to camps on Abernethy and Little Rock Lakes. A skidder trail from one of these roads passes around the west shore of Abernethy Lake to the vicinity of the 1988 drilling and stripping. The Kenricia Road skirts Kendall Inlet and provides good access to the western portion of the claim block. An ATV trail from the Kenricia Road goes to the unnamed lake in the west central part of the claim group.

3. Property Ownership (fig. 2)

The property consists of 25 contiguous claims as shown on the Clearwater Bay Claim Map (M-2062). The ground was staked and recorded in May, 1987. The claims are held in the name of Mingold Resources Inc. (Lic. No. T-4617) located at P.O. Box 28, Toronto Dominion Centre, Toronto, Ontario M5K 1B8.

For a complete listing of the individual claims and their assessment status see Table I.



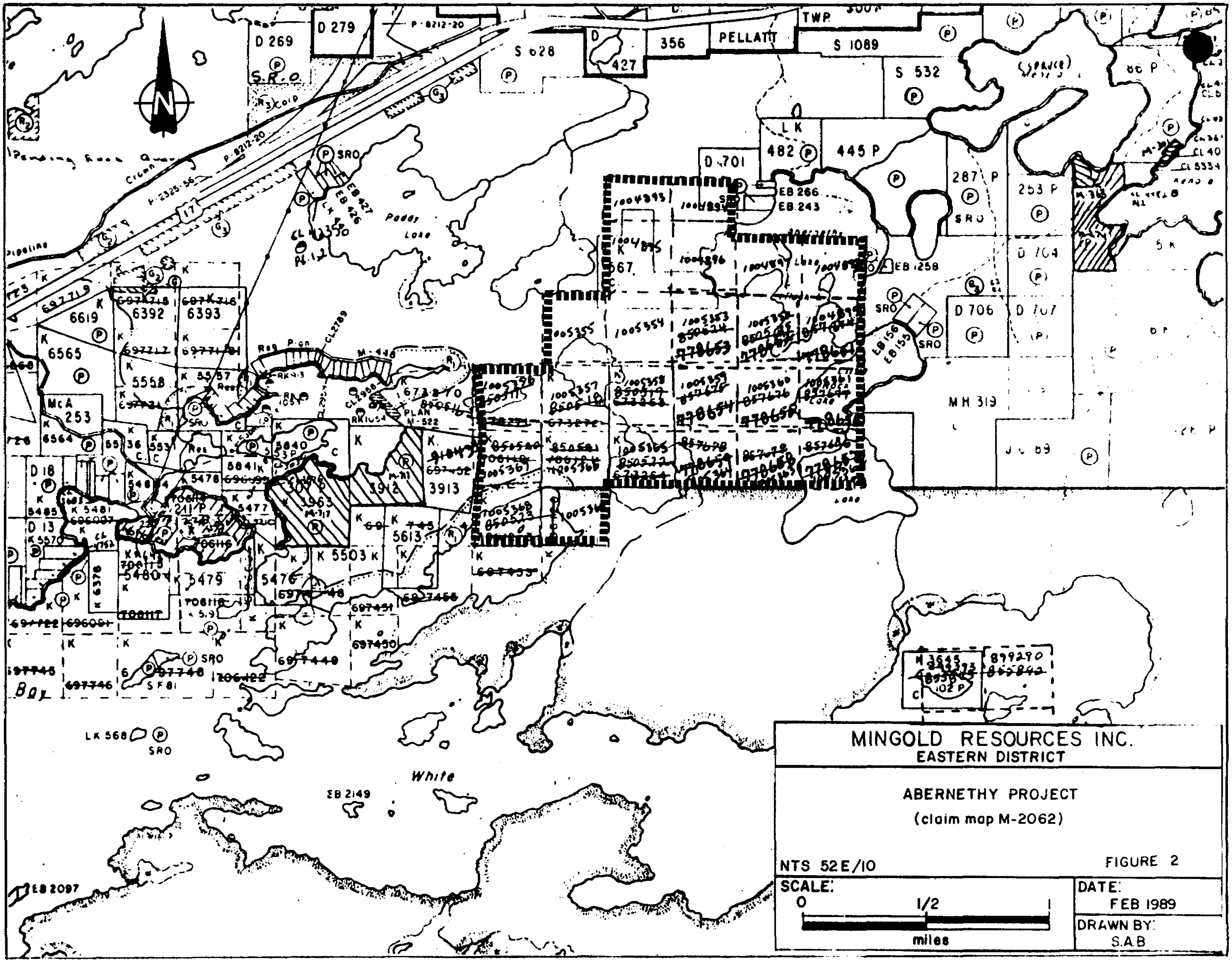
MINGOLD RESOURCES INC.
EASTERN DISTRICT THUNDER BAY OFFICE

LOCATION MAP
APRIL 1989

SCALE:

DATE: Aug. 1988

DRAWN BY: J.P.K.



MINGOLD RESOURCES INC.
EASTERN DISTRICT

ABERNETHY PROJECT
(claim map M-2062)

NTS 52E/10

FIGURE 2

SCALE: 0 1/2 miles

DATE: FEB 1989

DRAWN BY: S.A.B

Property: ABERNETHY

Mining District: Kenora

Claim Map: Clearwater Bay (M-2062)

MINGOLD RESOURCES INC.

CLAIM DATA

Date: April 17, 1989

N.T.S. 52E/10

Lat. 49° 44' Long 94° 37'

CLAIM NUMBER	STAKED		RECORDING DATE	TRANSFERRED		ASSESSMENT CREDITS (man-days)									TOTAL CREDITS	EXPIRY DATE					
	BY	DATE		TO	DATE	Manual	EM	Mag	Geophy	Geol.	Geochem	Drill	Strip	Mechan.	Expend			20 days	40 days	40 days	40 days	60 days
							Max. 80			Max.40	Max. 40		Max.100		Max.60	Max. 200	1988	1989	1990	1991	1992	1993
1004893	Bill Daley	May 19/87	May 25, 1987	MRI	June 4/87							113				113	X	X	X	X		
1004894	Bill Daley	May 19/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1004895	Bill Daley	May 19/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1004896	Bill Daley	May 19/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1004897	Bill Daley	May 19/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1004898	Bill Daley	May 19/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1004899	Bill Daley	May 19/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1005352	Bill Daley	May 19/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1005353	Bill Daley	May 20/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1005354	Bill Daley	May 20/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1005355	Bill Daley	May 20/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1005356	Bill Daley	May 20/87	May 25, 1987	MRI	June 4/87							100				100	X	X	X	X		
1005357	Bill Daley	May 20/87	May 25, 1987	MRI	June 4/87							98	2			100	X	X	X	X		
1005358	Bill Daley	May 20/87	May 25, 1987	MRI	June 4/87							20	80			100	X	X	X	X		
1005359	Bill Daley	May 20/87	May 25, 1987	MRI	June 4/87							20	80			100	X	X	X	X		
1005360	Bill Daley	May 20/87	May 25, 1987	MRI	June 4/87							20	80			100	X	X	X	X		
1005361	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20	66		14	100	X	X	X	X		
1005362	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20			80	100	X	X	X	X		
1005363	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20			80	100	X	X	X	X		
1005364	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20			80	100	X	X	X	X		
1005365	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20			80	100	X	X	X	X		
1005366	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20			80	100	X	X	X	X		
1005367	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20			80	100	X	X	X	X		
1005368	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20			80	100	X	X	X	X		
1005369	Bill Daley	May 21/87	May 25, 1987	MRI	June 4/87							20			80	100	X	X	X	X		

ASSESSMENT PENDING

4. Exploration History

The general area has a long history of gold exploration dating back to about 1880. According to Ayer (1987) there have been three periods with relatively high level of activity. The first period dated from 1880 to 1900, a time known as the "Lake of the Woods Gold Rush". Many small shafts, pits and trenches were excavated in the Kenora area during this time but the only occurrence of significance was the Minerva Mine. This prospect is located in Poplar Bay six km southeast of the Abernethy prospect. East to southeast trending quartz veins (1-12 inches wide) are hosted by intermediate volcanic rocks, a mafic sill and an accompanying quartz feldspar porphyry dike. Apparently 30 ounces of gold was recovered from 28 tons of selected vein material. The prospect has since been explored by two drill holes in 1949 and activity by Denison Mines in 1981.

A record period of gold activity from the mid 1930's to the early 1940's developed the Kenricia Mine just to the west of the Abernethy Group (see Fig. 3). Five major east-west trending sub-vertical quartz veins are located within intermediate to felsic pyroclastic units. Most of the underground development work was on No. 3 vein with a subordinate amount on No. 1 vein. The main shaft is 162 m deep and 2340 metres of development was carried out in 1936-40. A total of 2533 ounces of gold and 521 ounces of silver was produced from 22,664 tons in 1939 and 1940. The main vein #3 was traced for 440 metres on surface and a combined length of 726 metres on two levels underground. In mining the gold recoveries were considerably below expectations due to narrow vein widths, lower than estimated gold values and excessive dilution. All the veins consist of quartz which commonly contains black tourmaline and minor sulphides (pyrite, chalcopyrite, galena). A common feature is three generations of veins. The earliest veins consist of quartz and carbonate. The second generation is composed of sugary bluish quartz with tourmaline and sulphides in the fractures. This vein contains the best gold values. A third generation of white glassy quartz gives no values.

Along the eastern extension of the Kenricia veins near the Mingold boundary is the Oliver Severn Occurrence. Eight sugary to milky quartz veins up to a few metres wide occur in sericitized and pyritized intermediate volcanics. The veins strike east-west and dip shallow to steeply south. Sampling in 1935 by Noranda and government assays in 1985 gave values up to 2.31 ounces gold/ton. Details of this prospect are given in OGS Open File Report 5664.

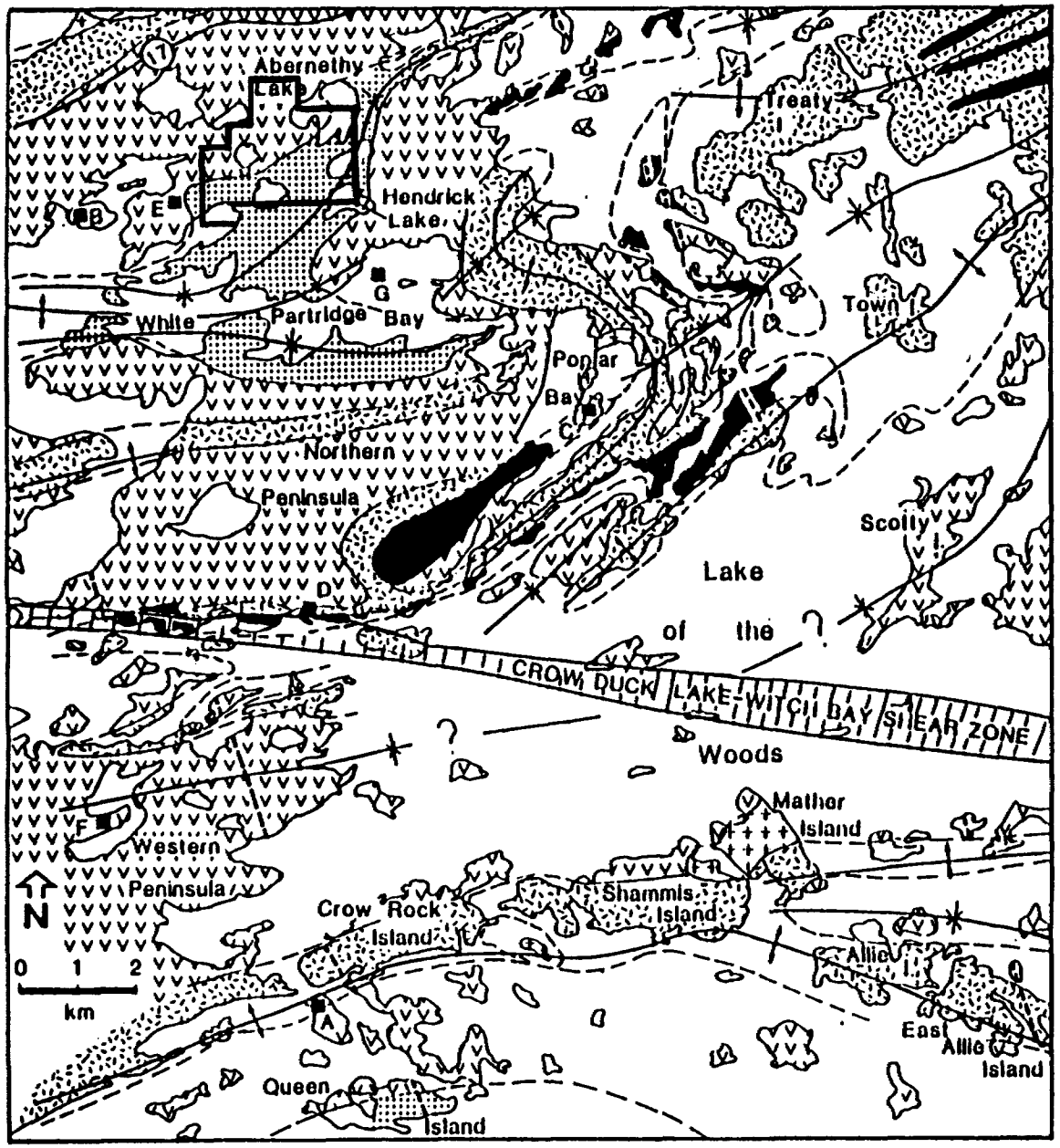
The White Partridge Bay Occurrence is located on a small island in White Partridge Bay 4000 feet southeast of the Abernethy block. In the 1930's two shafts and several trenches explored east-west trending quartz veins up to 50 cm wide. The veins are hosted by intermediate volcanic fragmental rocks in a deformed and schistose carbonatized zone. Grab samples taken during government mapping in 1985 were highly anomalous (up to 2.42 oz gold/ton). No Assays are given on the 1930's work.

The third period of activity in the area began in the 1970's and continues today. The early portions of this period was directed towards base metals with the typical airborne and ground geophysical approach followed by drilling. In the 1980's the concentration was back to gold with much of the work around the old occurrences.

5. Regional Geology (Fig. 4)

The most recent regional geological mapping in the area was carried out in 1985 by J. A. Ayer of the Ontario Geological Survey. His report is available as OGS Open File Report 5664 and contains 1:15,840 (1 inch = ¼ mile) mapping. The following description of the regional geology is taken from this report.

With the exception of several northwest trending Proterozoic diabase dikes, all bedrock in the area is of Archean age. The supracrustal succession can be subdivided into three major rock stratigraphic units: 1) The oldest is a basal platform of submarine, pillowed to massive tholeiitic basalts designated the Lower Mafic Unit.



Upper Felsic Unit
felsic to intermediate metavolcanics

Lower Mafic Unit
mafic metavolcanics

White Partridge Bay Group
metasediments

mafic to ultramafic intrusions

granitic intrusions

diabase

anticline or antiform

syncline or synform

shear zone

■ Properties

A Cronkund
B Kenricia Mine
C Minerva Mine
D Nor-Penn
E Oliver Severn
F Western Peninsula
G White Partridge Bay

MINGOLD RESOURCES INC.	
EASTERN DISTRICT	THUNDER BAY OFFICE
ABERNETHY PROJECT REGIONAL GEOLOGY	
From Ayer OGS OFR 5664	
SCALE: see map	DATE: MAR 1989
	DRAWN BY: S.A.B.

Figure 5

2) The most abundant rocks are calc alkaline, intermediate to felsic volcanics designated the Upper Felsic Unit which conformably overlie the Lower Mafic Unit. They consists of reworked and primary pyroclastics, and pillowed to massive, amygdaloidal flows. Locally intercalated layers of turbiditic clastic and chemical sediments are also present.

3) A coarsening upwards succession of sediments, designated the White Partridge Bay Group, unconformably overlies the Upper Felsic Unit in the northwest part of the Map area (including the Abernethy Prospect area). These sediments consist of mudstones, fine wackes and siltstones at the base and grade upwards into massive medium-grained feldspathic wacke overlain at the top of the group by polymictic conglomerates with well rounded volcanic and granitic pebbles.

The Lower Mafic and Upper Felsic Units, but not the White Partridge Bay Group were intruded by mafic to ultramafic sills and synvolcanic felsic porphyries. The supracrustal succession was intruded by late metamorphic granitic stocks.

6. Property Geology (Figure 3)

The Abernethy Block is underlain by two major units of Archean age. In the northwest portion of claim group a coarse to fine heterolithic pyroclastic metavolcanic unit of intermediate composition ranges from basaltic andesite to dacite. Ayer (1987) refers to this sequence as part of his Upper Felsic Unit. Unconformably overlying the volcanics to the southeast is a coarsening upwards sedimentary succession which Ayer refers to as the White Partridge Bay Group. The following descriptions are taken from Ayers's OGS Open file Report 5664. No mapping has been carried out by Mingold Resources Inc.

The Upper Felsic Unit of metavolcanic rocks is about 3 km thick and consists of fine to coarse fragments with some intercalated rocks near the base. Minor intermediate flows are typically interlayered within the coarse debris flows and bedded volcaniclastic sediments. The intermediate pyroclastic rocks consist of heterolithic angular to subrounded volcanic clasts (felsic to mafic in composition) in a crystal rich sandy matrix.

Crystals consists of broken and angular feldspar + quartz + mafic phenocrysts with fine to medium-grained lithic clasts. Locally the coarser-grained fragmentals (lapilli tuffs, tuff breccias and pyroclastic breccias) grade upwards into sandy crystal-rich tuffs and/or very fine-grained thinly laminated tuffs or siliceous siltstones. In some areas thick deposits of crystal tuffs occur without accompanying coarse fragments. Features of the intermediate fragments such as the heterolithic nature, high degree of rounding and normal grading within depositional units suggests these rocks were deposited from subaqueous debris flows. The subaqueous environment is also supported by the presence of intercalated sediments and pillowed lava flows.

The White Partridge Bay metasedimentary unit consists of mudstones, siltstones, fine to medium-grained, feldspathic wackes and conglomerates. The unit is interpreted to unconformably overlie the Upper Felsic Unit. In general the stratigraphy of the group is a coarsening upwards succession consisting of mudstones, thinly laminated siltstones and fine-grained thinly bedded wackes at the base grading upwards into massive to thickly bedded medium-grained feldspathic wackes overlain by conglomerates with rounded pebbles of volcanic rocks, sedimentary rocks and granitoids.

On the claim group Ayer's mapping indicates the basal portion consists of black pyritic mudstones up to 100 metres thick. Overlying the mudstones are fine-grained distal turbidites consisting of thin to thickly bedded, normally graded wacke and siltstones. The turbidites are overlain by massive to thickly bedded feldspathic wackes and conglomerates.

Thomson (1937) classified these sedimentary rocks as Timiskaming series lying unconformably on the volcanics of the Keewatin complex.

7. Prior Property Exploration

A considerable number of old pits and trenches are located on the claim group that most likely date back to the 1930's. In that period the Kenricia Mine (2 km to the west) was undergoing active exploration and even reached production for a short time in 1939-40. These old pits and trenches have been found at numerous locations particularly around Abernethy Lake and near the west boundary of the group. The pits found to date are on narrow quartz veins in the volcanic sequence but near the sediment/volcanic contact. The only sampling of these veins by Mingold has been in the immediate area of the H-2 anomaly near the southwest shore of Abernethy Lake (Figure 3). Assay results were negative. Ayer (1987) examined a number of pits on the shore and the island of Abernethy Lake. His results were also low in gold. Details are found on OGS Preliminary Map P.2966. Ayer also shows gold-bearing trenches on the south shore of an unnamed lake near the west boundary of the claims but no assays are given. These trenches are 600 metres northeast of the Oliver Severn occurrence described earlier.

Mapping by J. E. Thomson of the Ontario Dept. of Mines in 1935 (ODM Vol. XLV, Part III, 1936 p. 1-43) located an old shaft about 1 km southwest of Abernethy Lake. Material from the dump contained fine grained pyrrhotite and arsenopyrite in a green schist with a little sugary quartz and sulphides. A grab sample contained no gold. It seems quite likely that this excavation is located at or near the sediment/volcanic contact and is probably related to the sulphide-rich stringers in the contact area.

The next recorded work in the area is by Kerr Addison in 1971. Kerr drilled one hole off the east side of the north island in Abernethy Lake. The hole intersected a 39 foot intersection of massive pyrrhotite along the andesite/sediment contact with trace values in gold, silver, copper, zinc and nickel.

Hudson Bay Exploration staked a block 25 claims in 1974 covering the same area presently held by Mingold Resources Inc. The staking was prompted by EM anomalies located with a Kenting Canso system airborne survey conducted in 1973. HBED carried out a EM-17 horizontal loop survey on the entire block. Survey lines had a NW-SE orientation across the regional strike with a 300 foot line spacing. Survey results are shown on Figure 5. A 6600 foot conductor was outlined which coincides with the sediment/volcanic contact. The same contact was also located by the EM survey over 2 lines (300 feet) on Abernethy Lake. The remainder of the conductors were in the volcanic sequence either as features (up to 2000 feet long) parallel to the regional trend or a splays diverging from the main sediment contact.

In February - March, 1975 HBED drilled 5 holes totalling 1987 feet. All holes intersected fragmental volcanics of acidic to intermediate composition. The anomalies were caused by sulphide stringers of pyrrhotite and minor pyrite with traces of arsenopyrite and chalcopyrite. Associated with the sulphides was shearing, chlorite, sericite, biotite and minor quartz-carbonate veins. The sulphide stringers were up to 6" wide. Assaying of gold silver, copper and zinc was limited to sulphide-rich sections as the exploration was for base metals. All assay results were trace except for a 5 foot section of 0.52 Au/ton in H-2. This became the object of Mingold's work in 1988 and is discussed later in the report.

In 1983-84 the Abernethy area was explored by Atikwa Resources and Miller Resources as part of a regional assessment of the old Kenricia Mine and its surroundings. A heavily oxidized, sheared gossanous sulphide horizon (pyrrhotite, pyrite) was recognized coinciding with the HBED horizontal loop anomalies. At the west boundary of Mingold's block the horizon is stratiform along the north side of a coarse grained feldspar rich tuff debris flow in the volcanic sequence. To the east it was picked up intermittently on the volcanic/sediment contact. At a location 3200 feet east of the west boundary on the contact an old heavily oxidized trench was found with massive sulphides in and around the trench. (Blakley and MacMillan, 1983). A grab sample by Atikwa Resources taken somewhere along the sulphide horizon assayed 0.51 oz Au/ton but its location is not known (Nelson, 1983, p. 13).

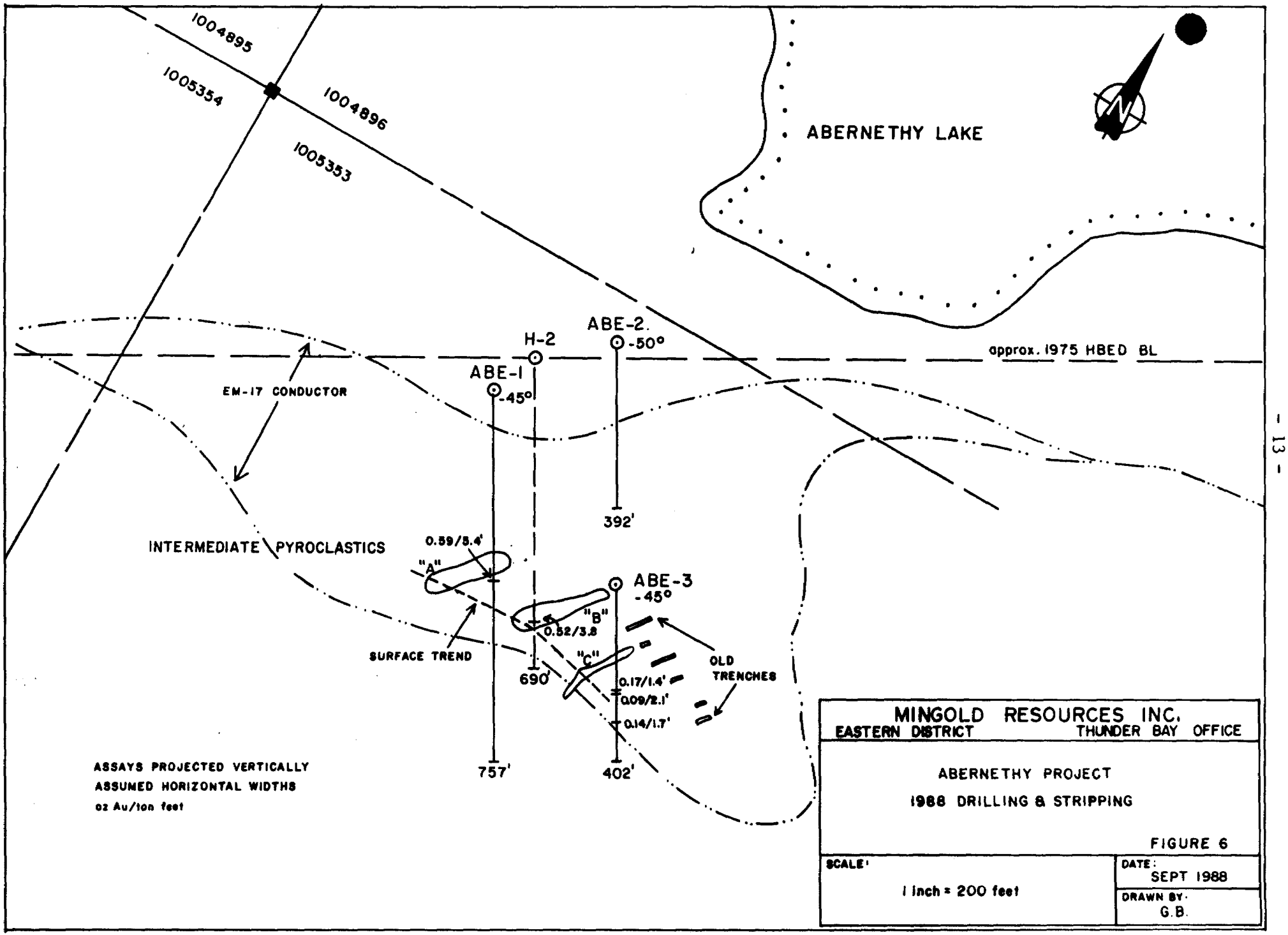
8. Mingold Activity

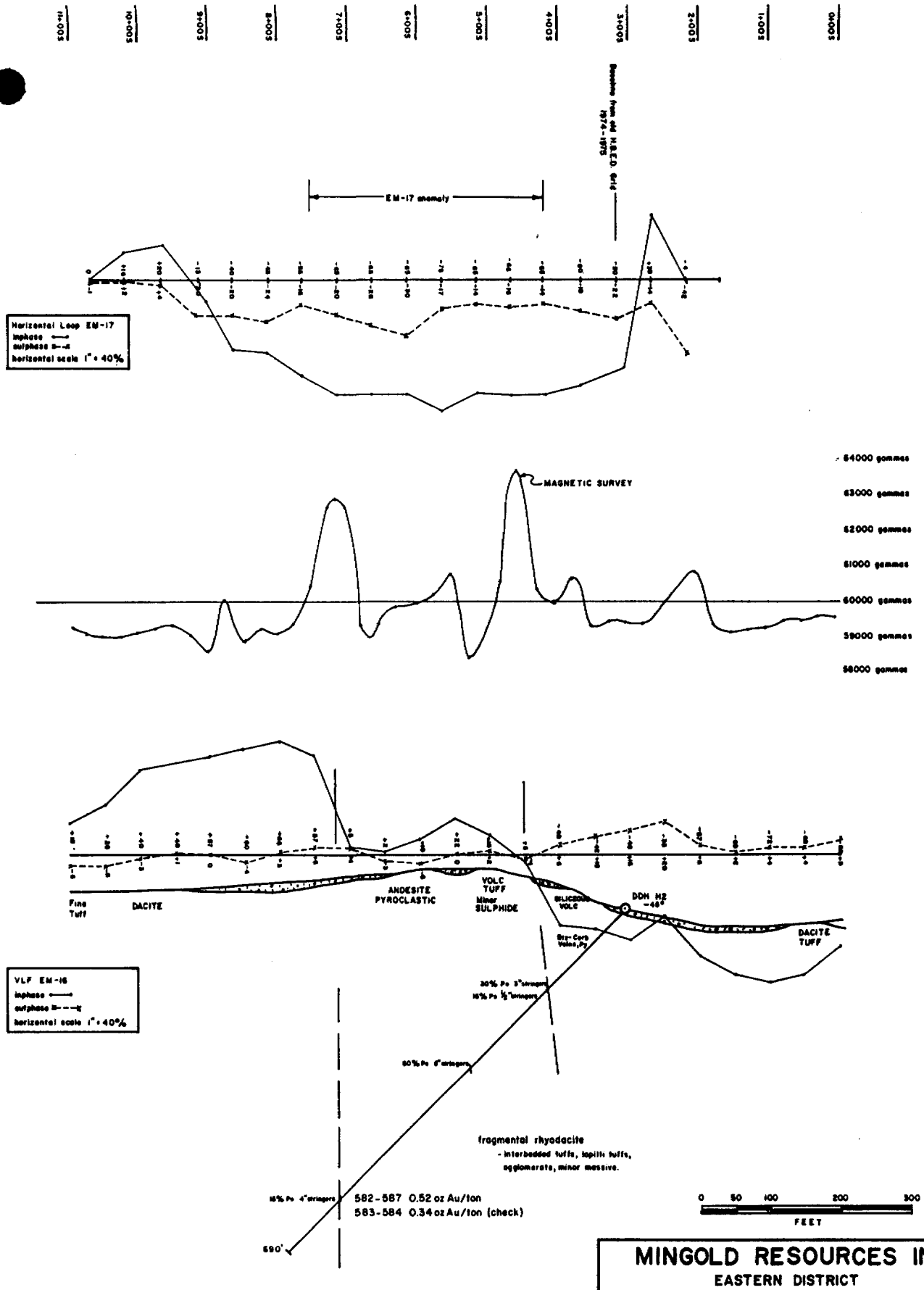
Mingold Resources Inc. acquired their 25 wholly owned claims in 1987.

The program in 1988 was concentrated in the vicinity of the Hudson Bay H-2 hole. In 1975 Hudson Bay had drilled H-2 to test a 2100 foot long EM-17 anomaly near the west shore of Abernethy Lake (Fig. 5). The anomaly is up to 700 feet wide and its shape indicates that the conductor is located in the nose of an isoclinal fold or drag fold. The H-2 hole (see Figures 6 and 7) drilled the anomaly from its northwest side. Fragmental volcanics of acid to intermediate composition were intersected throughout its length of 690.0 feet. The rock is highly fragmental (1/16" - 2") with interbedded agglomerate, tuffs and lapilli-tuffs with minor massive and porphyritic sections. Occasionally garnet-chlorite schist is developed. Quartz-carbonate stringers are present with pervasive biotite and minor sericite alteration. Pyrrhotite stringers (1/16" - 6") with minor pyrite were intersected to 600 feet in the hole. The initial assaying of 28 samples gave one anomalous result of 0.52 oz Au/ton, 0.10 oz Ag over the 5.0 foot interval from 582 to 587 feet. This interval was then quartered with 1 foot intervals. One sample ran 0.34 oz Au/ton and 0.04 oz Ag., the remainder were trace. No further work was done at that time.

The collar of the old HBED hole could not be found in 1988 but its proximity to Abernethy Lake allows one to position the site quite closely. A flagged line was located along the azimuth of H-2 drill hole and VLF-EM and magnetic surveys run to correlate with the EM-17 and drill data. The results are shown on Figure 7. The three surveys correlate well. Both the VLF-EM and magnetic data outline strong anomalies positioned on the flanks of the EM-17 conductor supporting the isoclinal fold interpretation.

In May, 1988 a three hole program totalling 1551 feet was drilled in the area of hole H-2 (Fig. 6). The drill contractor was Kenora Soil and Drilling, Box 109, Kenora, Ontario P9N 3X1.


1004895
1005354
1004896
1005353
ABERNETHY LAKE
H-2
ABE-2.
-50°
approx. 1975 HBED BL
ABE-1
-45°
EM-17 CONDUCTOR
392'
INTERMEDIATE PYROCLASTICS
0.59/5.4'
"A"
ABE-3
-45°
"B"
0.52/3.8
SURFACE TREND
"C"
OLD TRENCHES
690'
0.17/1.4'
0.09/2.1'
0.14/1.7'
757'
402'
ASSAYS PROJECTED VERTICALLY
ASSUMED HORIZONTAL WIDTHS
oz Au/ton feet
MINGOLD RESOURCES INC.
EASTERN DISTRICT
THUNDER BAY OFFICE
ABERNETHY PROJECT
1988 DRILLING & STRIPPING
FIGURE 6
SCALE:
1 inch = 200 feet
DATE:
SEPT 1988
DRAWN BY:
G.B.



MINGOLD RESOURCES INC.

EASTERN DISTRICT

ABERNETHY LAKE PROJECT

HBED Drill Hole H-2,
geophysical profiles

DATE: JAN. 80

SCALE:

DRAWN BY: S.V.

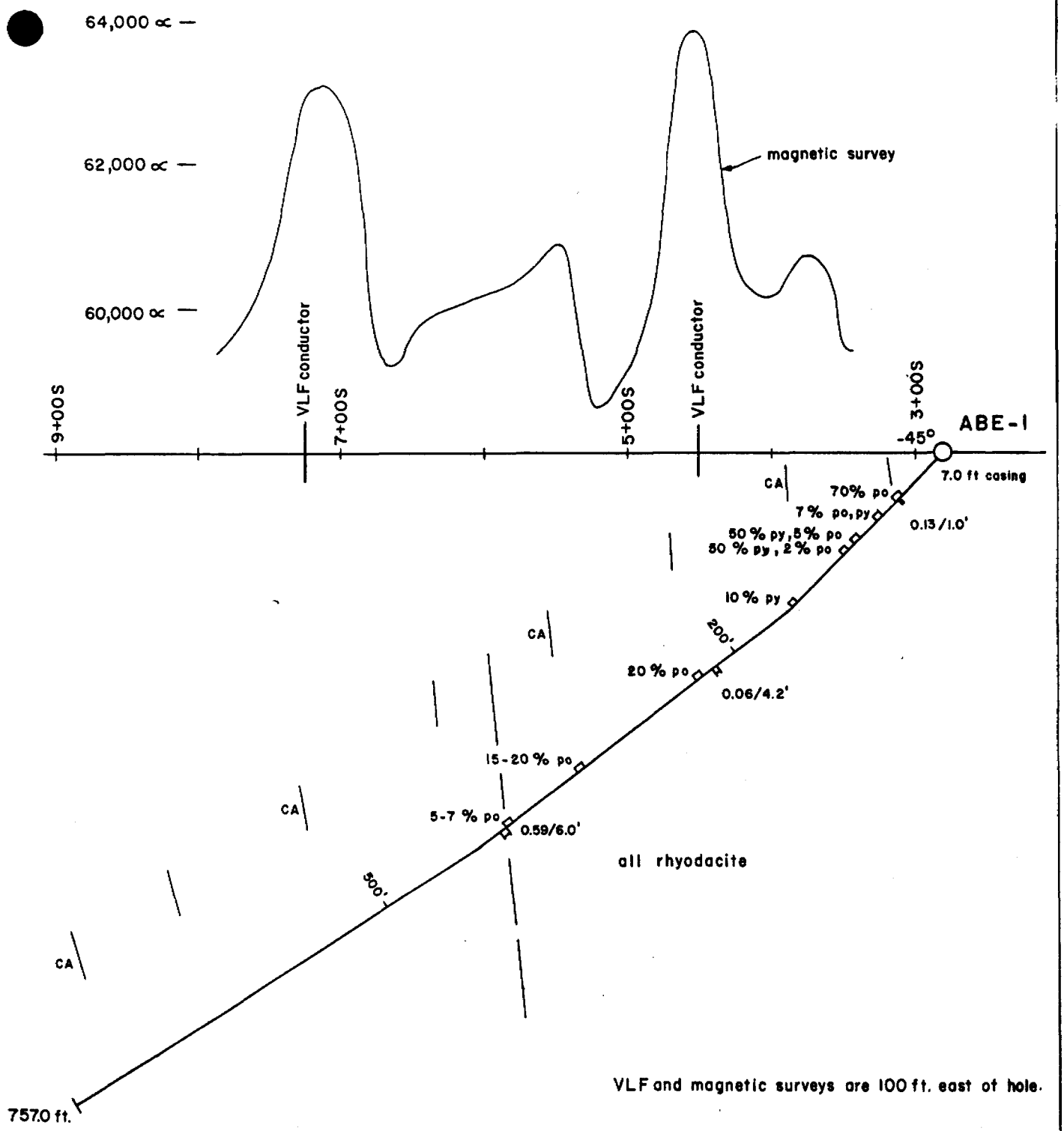
DWG. No.: FIG 7

Hole ABE-1 was drilled 70 feet west of the H-2 hole. Fragmental volcanics was intersected throughout its 757 ft. length. Disseminated pyrrhotite and pyrite is present in most of the hole with sulphide stringers or veinlets coinciding with the geophysical anomalies. Most of the drill hole was assayed for gold. Higher values are associated with the sulphide intervals particularly when combined with silicification. Significant intersections are:

	From - To	Width	Au ppb	Au oz/ton
	44.0 - 45.0	1.0	4300	0.125
	216.5 - 220.7	4.2	2100	0.060
	389.0 - 400.0	11.0	780	-
	400.0 - 402.0	2.0	>10,000	1.320
	402.0 - 404.0	2.0	9,000	0.350
	404.0 - 406.0	2.0	2,900	0.110
or	400.0 - 406.0	6.0	-	0.59 oz/ton

The position of the H-2 and ABE-1 intersections in relation to the geophysical data suggests the two intervals are from the same horizon. Silver, copper, arsenic and zinc values from ABE-1 are low and show no correlation with the gold.

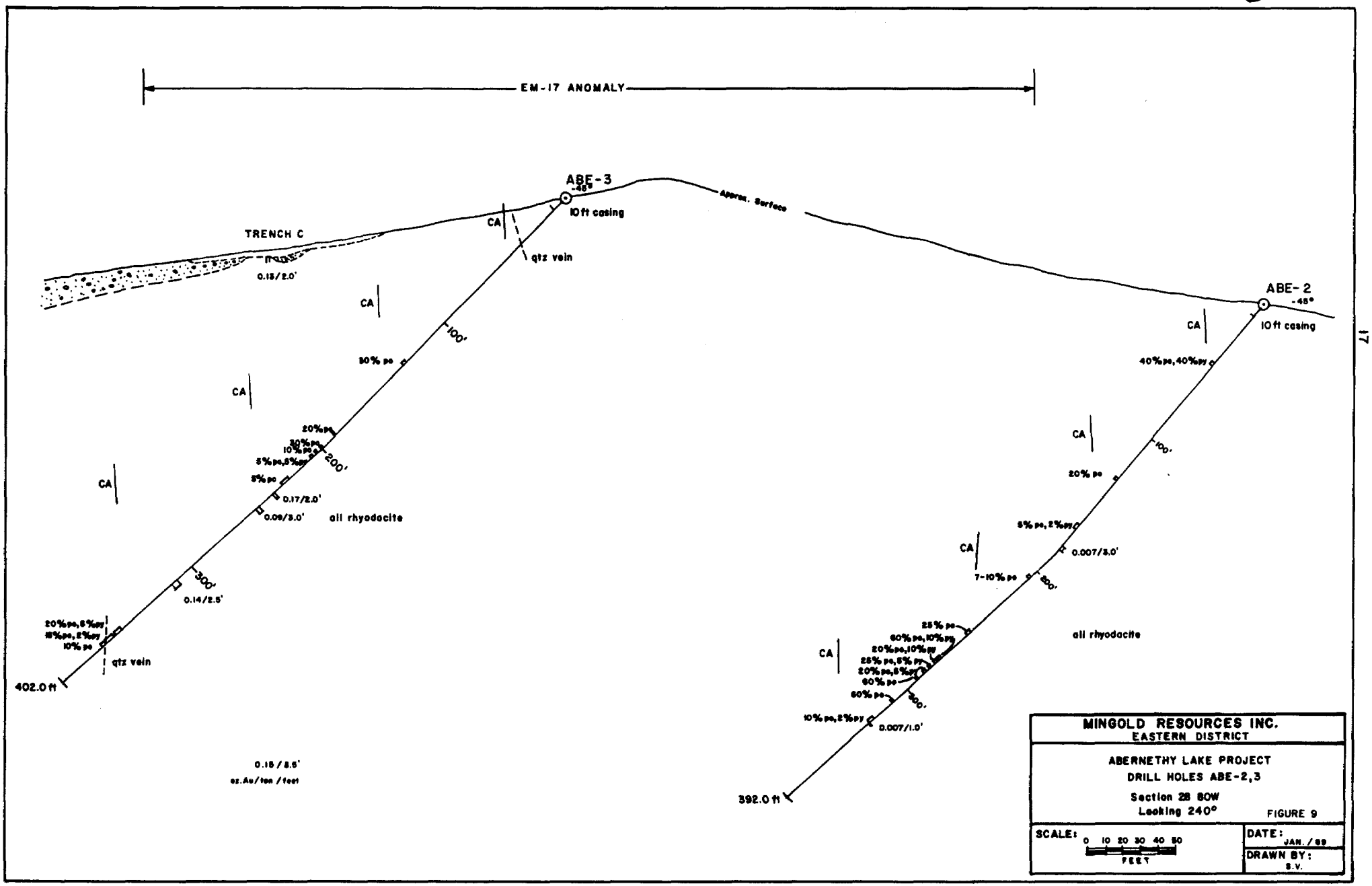
Drill holes ABE-2 and 3 are located east of the 1975 hole. The two holes were spotted to test the two magnetic - VLF anomalies individually (Fig. 9). ABE-2 intersected sulphide veinlets from 60 to 332 feet with a more concentrated interval from 260 to 332 ft. Two short intervals of 1.0 and 3.0 feet assayed 244 and 231 ppb Au. The remainder of the hole was less then 100 ppb Au.



VLF and magnetic surveys are 100 ft. east of hole.

MINGOLD RESOURCES INC.	
EASTERN DISTRICT	THUNDER BAY OFFICE
ABERNETHY LAKE PROJECT DRILL HOLE ABE - 1 Section 1+00W Looking 240°	
SCALE: 1" = 100'	DATE: May 25/88
	DRAWN BY: D. Pesce

Figure 8


EM-17 ANOMALY
ABE-3
-45°
10 ft casing
Approx. Surface
TRENCH C
0.15/2.0'
CA
qtz vein
100'
50% py
20% py
10% py
5% py, 5% py
5% py
200'
0.17/2.0'
0.09/3.0'
all rhyodacite
300'
0.14/2.5'
20% py, 5% py
15% py, 2% py
10% py
qtz vein
402.0 ft
0.15 / 2.5'
oz. Au/ton / feet
ABE-2
-45°
10 ft casing
40% py, 40% py
20% py
5% py, 2% py
0.007/3.0'
7-10% py
800'
25% py
60% py, 10% py
20% py, 10% py
25% py, 5% py
20% py, 5% py
60% py
60% py
300'
10% py, 2% py
0.007/1.0'
all rhyodacite
392.0 ft
MINGOLD RESOURCES INC.
EASTERN DISTRICT
ABERNETHY LAKE PROJECT
DRILL HOLES ABE-2,3
Section 28 SOW
Looking 240°
FIGURE 9
SCALE: 0 10 20 30 40 50
FEET
DATE: JAN. / 89
DRAWN BY: S.V.

ABE-3 tested the southern flank of the wide EM-17 anomaly. Significant intersections are:

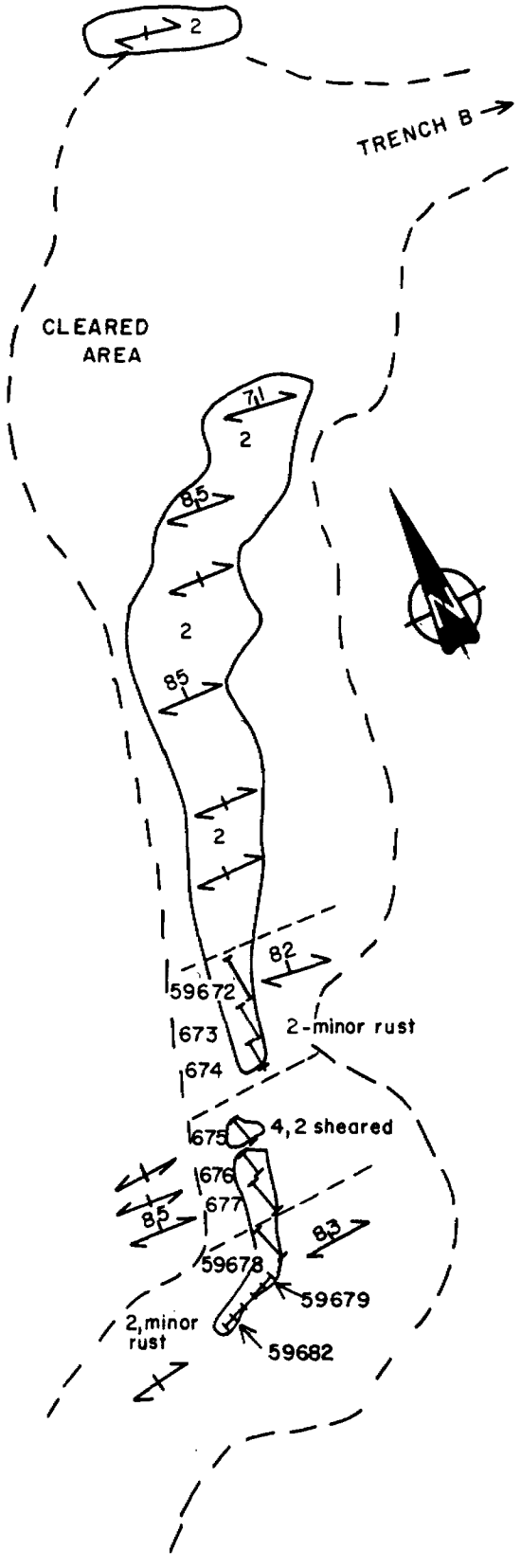
From - to	width	Au ppb	Au oz/ton
36.0 - 37.2	1.2	1361	0.074
237.0 - 239.0	2.0	9986	0.173
249.0 - 252.0	3.0	3579	0.085
313.5 - 316.0	2.5	7276	0.136

The values in the 237 to 252 foot interval line up with the better intersection in H-2 and ABE-1.

Surface stripping and trenching was carried out in the H-2 area Sept. 13 to 19/88. The three strips, along a strike length of 280 feet, are shown on Figs. 6, 10, 11 and 12. The work was done with a small backhoe on a swamp buggy and a skidder with a blade on contract from Kenora Soil and Drilling. The strips were washed and channel sampled at the same time.

In all three strips the silicified pyrrhotite mineralization which hosts the gold values was located. A problem was encountered in that the sulphide zones were oxidized and recessive on the bedrock surface. Attempts to excavate the zones with the backhoe only made them more recessive and difficult to wash and sample. Consequently the results are probably not an accurate reflection of the surface gold values.

The host unit is an acid pyroclastic sequence trending at 085° and dipping steeply north. The pyroclastic fragments vary up to 1.0 foot across, and are elongated along the trend. Minor gossanous zones of pyrite and pyrrhotite parallel the foliation in the hanging wall of the main zone. At the main mineralized interval shearing is usually present and the sulphide content increases considerably (predominantly pyrrhotite). Quartz flooding is also associated with the higher values. Strip "A" (Fig. 10 has a 1.5 foot interval that graded 790 ppb Au. In Strip "B" (Fig. 11) the best value is 631 ppb Au/1.0 ft and occurs in a gossanous breccia. Strip "C" (Fig. 12) has a best assay of 4.5 gms/tonne Au(0.13 oz/ton) across 2.0 feet in a sheared gossan with a 0.4 foot quartz vein.



4 GOSSAN

3 PYROCLASTIC BRECCIA

2 LAPILLI TUFF

1 TUFF

TRENCH A ASSAY RESULTS

Sample No.	Width (ft)	Au(ppb)
59672	5.0	10
59673	4.5	<5
59674	3.5	7
59675	3.5	30
59676	3.5	21
59677	4.0	20
59678	3.5	7
59679	1.5	223
59680	1.5	10
59681	1.5	790
59682	1.5	105

For Ag, As, Cu, Pb, Zn results
see Appendix II

MINGOLD RESOURCES INC.
EASTERN DISTRICT THUNDER BAY OFFICE

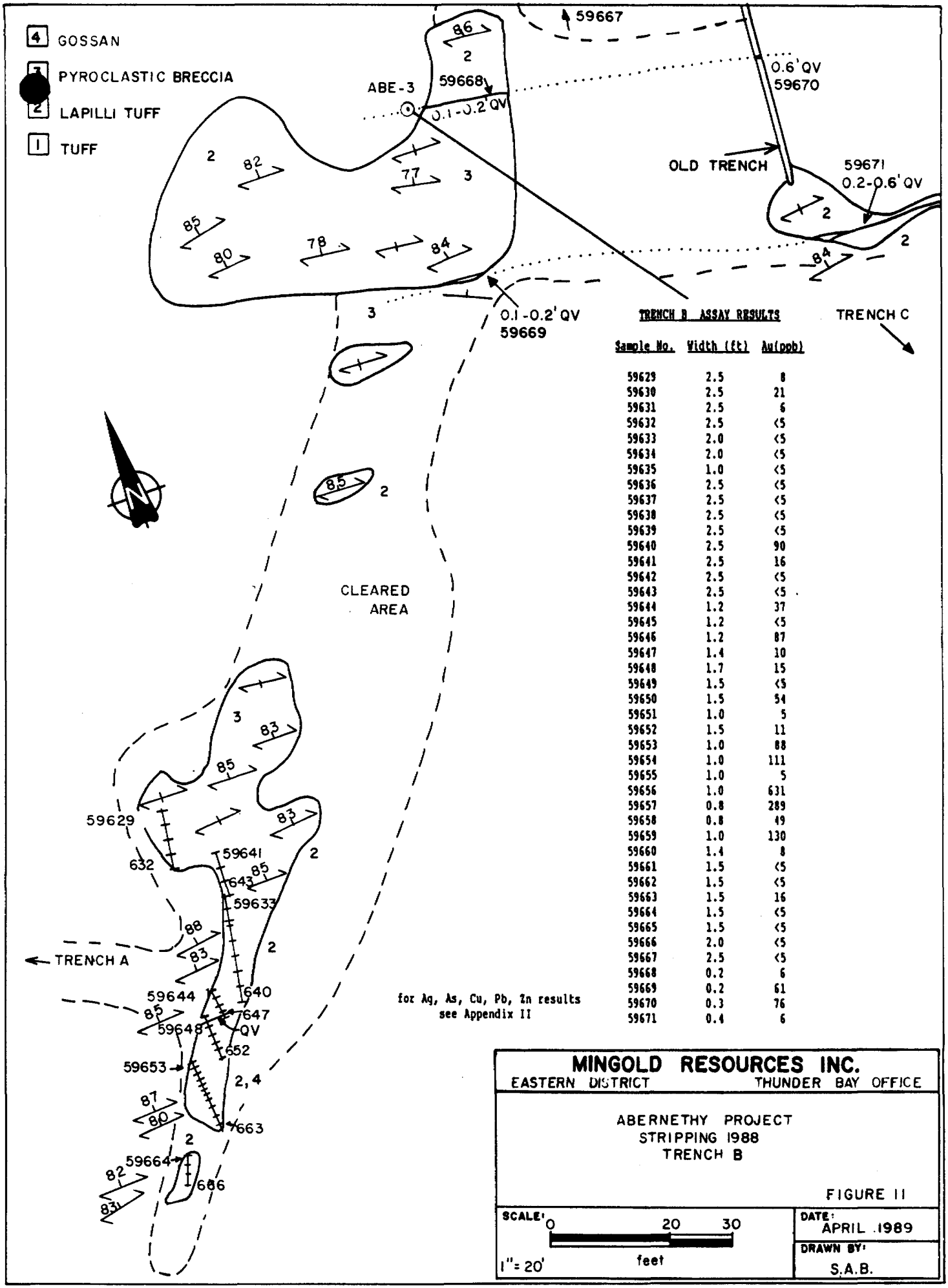
ABERNETHY PROJECT
STRIPPING 1988
TRENCH A

FIGURE 10

SCALE: 0 20 30
1"=20' feet

DATE: APRIL 1989

DRAWN BY: S.A.B.



TRENCH B ASSAY RESULTS

Sample No.	Width (ft)	Au(ppb)
59629	2.5	8
59630	2.5	21
59631	2.5	6
59632	2.5	<5
59633	2.0	<5
59634	2.0	<5
59635	1.0	<5
59636	2.5	<5
59637	2.5	<5
59638	2.5	<5
59639	2.5	<5
59640	2.5	90
59641	2.5	16
59642	2.5	<5
59643	2.5	<5
59644	1.2	37
59645	1.2	<5
59646	1.2	87
59647	1.4	10
59648	1.7	15
59649	1.5	<5
59650	1.5	54
59651	1.0	5
59652	1.5	11
59653	1.0	88
59654	1.0	111
59655	1.0	5
59656	1.0	631
59657	0.8	289
59658	0.8	49
59659	1.0	130
59660	1.4	8
59661	1.5	<5
59662	1.5	<5
59663	1.5	16
59664	1.5	<5
59665	1.5	<5
59666	2.0	<5
59667	2.5	<5
59668	0.2	6
59669	0.2	61
59670	0.3	76
59671	0.4	6

for Ag, As, Cu, Pb, Zn results see Appendix II

MINGOLD RESOURCES INC.
EASTERN DISTRICT — THUNDER BAY OFFICE

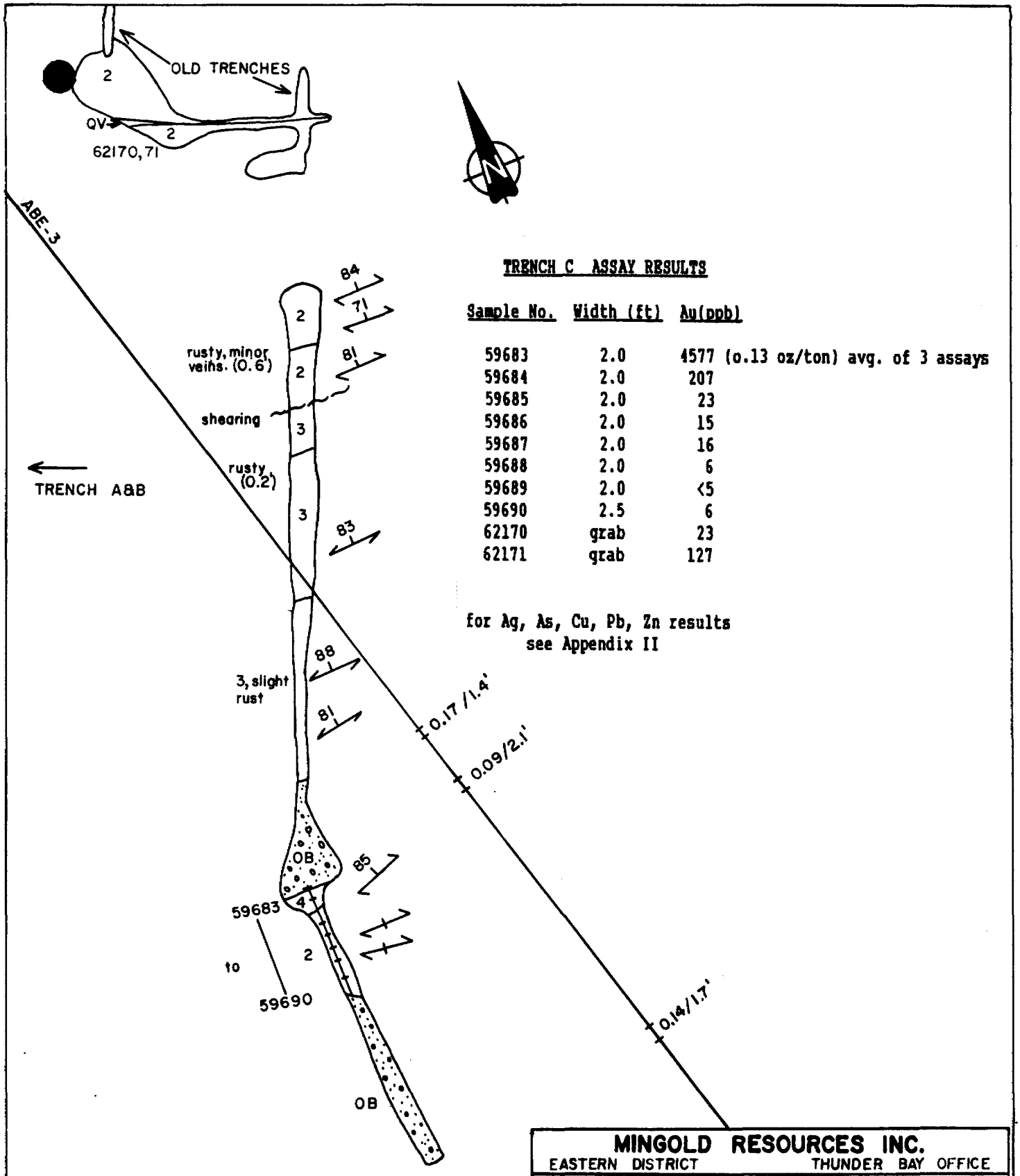
ABERNETHY PROJECT
STRIPPING 1988
TRENCH B

FIGURE 11

SCALE: 1"= 20' (0, 20, 30 feet)

DATE: APRIL 1989

DRAWN BY: S.A.B.



TRENCH C ASSAY RESULTS

Sample No.	Width (ft)	Au(ppb)	
59683	2.0	4577	(o.13 oz/ton) avg. of 3 assays
59684	2.0	207	
59685	2.0	23	
59686	2.0	15	
59687	2.0	16	
59688	2.0	6	
59689	2.0	<5	
59690	2.5	6	
62170	grab	23	
62171	grab	127	

for Ag, As, Cu, Pb, Zn results
see Appendix II

4 GOSSAN
3 PYROCLASTIC BRECCIA
2 LAPILLI TUFF
1 TUFF

MINGOLD RESOURCES INC.
EASTERN DISTRICT — THUNDER BAY OFFICE

ABERNETHY PROJECT
STRIPPING 1988
TRENCH C

FIGURE 12

SCALE: 0 20 30 feet
1"=20'

DATE: APRIL 1989
DRAWN BY: S.A.B.

A series of old trenches were located to the east of the collar of ABE-3. These trenches presumably date back to the 1930's and follow at least 2 parallel quartz veins on the HW side of the main sulphide zone. No significant values have been located in the quartz veins although they have not been extensively sampled.

9. Recommendations

The 1988 diamond drilling has confirmed the existence of a significant gold mineralized sulphide horizon on the south flank of the H-2 electromagnetic anomaly. The minor work to date has outlined the zone along a strike length of 270 feet and to the depth of 450 feet. The zone is open in both directions and at depth. The accompanying EM anomaly has a length of 1600 feet and is the prime target for further evaluation. Trenching and stripping was carried out in 1988 with limited success as discussed earlier. It is anticipated that overburden depth increase both east and west of the presently defined area so further trenching is not suggested. It is recommended that four holes be drilled along strike, three to the west and one to the east of the present drilling at 50 metre intervals.

The Hudson Bay EM-17 survey in 1974 outlined a 6600 foot long conductor along the sediment/volcanic contact southwest of Abernethy Lake. Minor drilling by HBED and later prospecting along the contact by Atikwa Resources and Miller Resources in 1983-84 located sheared gossanous sulphide horizons with elevated gold values and a grab sample of 0.51 oz Au/ton. The HBED survey also located other stratiform EM conductors in the volcanic sequence in the northeast portion of the block.

It is proposed that the complete claim be gridded with a line spacing of 100 metres. Magnetic and VLF-EM surveys should be carried out to relocate the electromagnetic conductors. Geological mapping and geochemistry would follow with surface stripping and detailed surface evaluation depending on the earlier results. A 900 metre drill program (6 holes x 150 metres) is included as a second phase to test the geophysical and surface targets.

Estimated costs of the program are:

Linecutting - 50 km x $250/km	12,500.00
VLF and Magnetic surveys - 50 km x $150/km	7,500.00
Geological Mapping & Sampling - 80 man days x $200/day	16,000.00
Assaying - 300 samples x $16.00/sample	4,800.00
Mechanical Stripping-175 machine hrs x $100/hr.	17,500.00
Diamond Drilling - 1500 metres x $85/metre	127,500.00
Supervision and Reports-40 man days x $150/day	6,000.00
	$191.800.00
contingency	8,200.00
TOTAL	$200,000.00

10. References

Ayer, J. A.
1987: Geology of the Rat Portage Bay Area, District of Kenora, Ontario. Geological Survey, Open File Report 5664, including Maps P.2966 and P.2967.

Bidwell, G. E.
1988: Abernethy Project, Assessment Report on Mining Claims K1004893-899, 1005352-369, Diamond Drilling, May 1988.

Blakley, I. T.
1983: Report on Geological Mapping, Kenricia Project, Atikwa Resources Inc., Kenora, Ontario, May-August, 1983.

Hudson Bay Exploration and Development Co. Ltd.
1975: Eagle Project, Shoal Lake Block, Group "H", Electromagnetic Survey (map only) Dwg. No. 388, from HBED files.

1975: Eagle Project, Shoal Lake Block, Group "H", Drill Holes H-1 to H-5 (drill logs, assay records, drill section) by H. C. Lockwood.

Nelson, L. J.
1983: Report on the Property, Atikwa Resources Inc., Kenricia Project, District of Kenora, Ontario, NTS 52E/11.

Sirola, W. M.
1984: Report on the Property of Miller Resources Ltd., Kenricia Project, Kenora Mining Division, Ontario, NTS 52E/11.

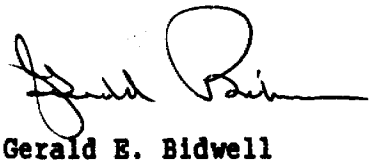
Thompson, J. A.
1937: Geology of the North Central Part of the Lake of the Woods, in Forty-Fifth Annual Report of the Ontario Department of Mines, Vol XLV, Part III, 1936 p.1-43, includes Map No. 45b.

11. Certificate

I, Gerald E. Bidwell of the City of Thunder Bay in the Province of Ontario hereby certify:

1. That I am a geologist employed by Mingold Resources Inc.
2. That I am a graduate of the University of Saskatchewan with a Bachelor of Arts and Science (Geology) degree granted in 1967. I have been practicing my profession for twenty-two years.
3. I am a fellow of the Geological Association of Canada

Dated at Thunder Bay, Ontario the 6th day of April, 1989



Gerald E. Bidwell

APPENDIX I

DRILL LOGS OF

H-2, ABE - 1 to 3

APPENDIX I

DRILL LOGS OF

H-2, ABE - 1 to 3

culled from om88-3-C-182.

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG from OM88-3-C-182

HOLE NO. H-2 PROJECT NAME EAGLE - SHOAL LAKE MAP NO. 388

ANGLE -45° DIRECTION 150° DEPTH 690.0'

CLAIM 383 709 GRID "H" CO-ORDINATES (30+00 W)
(0+00 B.L.)

LOCATION ABERNATHY LAKE

STARTED FEBRUARY 14,1975 FINISHED FEBRUARY 20,1975 CORE SIZE AQ

DRILLED BY MIDWEST DRILLING LOGGED BY H. C. LOCKWOOD

FROM	TO		DESCRIPTION
0	4.0	CASING	
4.0	690.0	FRAGMENTAL RHYODACITE -	Medium grey, banded @ 45°; highly fragmental; interbedded agglomerat tuffs, lapilli tuffs with minor massive and porphyritic dacitic sections; Occasional intebed garnet-chlorite schist; abundant quartz-carbonates biotite alteration throughout; Fragments from 1/16" to 2" through-out, minor sericite; Pyrrhotite stringers 1/16" to 4" from 4'-600', trace pyrite;
		#6469: 25.0- 27.0	7% pyrrhotite stringers - ½";
		#6470: 143.0-144.0	30% pyrrhotite, 3" stringers;
		#6471: 147.0-150.0	7% pyrrhotite, ½" stringers
		#6472: 156.0-158.0	15% pyrrhotite, ½" stringers;
		#6473: 308.0-309.0	50% pyrrhotite, 6" stringers
		#6474: 360.0-363.0	9% pyrrhotite, 1" stringer;
		#6475: 442.0-225.0	3% pyrrhotite, ¼" stringers
		#6476: 511.0-512.0	5% pyrrhotite, disseminated;
		→ #6477: 582.0-587.0	15% pyrrhotite, 4" stringers;
	690.0	END OF HOLE	

Form No. 504-R1-5M-8-70-GP

HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.

DIAMOND DRILL RECORD

CORRECTED DIP TESTS

Date Began 14/2/75 Date Completed 20-2-75

Property SHOAL LAKE Project No. EAGLE Depth 690

Hole No. H-2 Co-ord 30+00 W Horizontal Length 490

Sheet No. 338 O+BL. Direction 150

Claim No. 383709 Elevation — Angle -45°

TEST @ 690 40°

K. O. Lockwood Resident Geolog

DEPTH	NUMBER	WIDTH	ASSAY AU	AG	CU	ZN	PB	NI	WIDTH X ASSAY AU	AG	CU	ZN	PB	NI	AVERAGES WIDTH	AU	AG	CU	ZN	PB
0 - 4	CASING	4																		
4 - 20	W	16																		
20 - 25	8901	5	tr	tr	tr	tr														
25 - 27	6469	2	t	t	t	t														
27 - 30	8902	3	tr	tr	tr	tr														
30 - 130	W	100																		
130 - 135	8903	5	tr	tr	tr	tr														
135 - 140	8904	5	tr	tr	tr	tr														
140 - 143	8905	3	tr	tr	tr	tr														
143 - 146	8906	3	tr	tr	tr	tr														
146 - 147	W	1																		
147 - 150	6471	3	t	t	t	t														
150 - 156	W	6																		
156 - 158	6472	2	t	t	t	t														
158 - 162	8907	4	tr	tr	tr	tr														
162 - 196	W [illegible]	34																		
196 - 199	8908	3	tr	tr	tr	tr														
199 - 246	W	47																		
246 - 250	8909	4	tr	tr	tr	tr														
250 - 308	W	58																		
308 - 309	6473	1	t	t	t	t														
309 - 360	W	51																		
360 - 363	6474	3	t	t	t	t														
363 - 442	W	79																		
442 - 445	6475	3	t	t	t	t														
445 - 505.5	W	50.5																		
505.5 - 507	8910	1.5	tr	tr	tr	tr														
507 - 511	W	4																		
511 - 512	6476	1	t	t	t	t														
512 - 561	W	49																		
561 - 566	8911	5	tr	tr	tr	tr														
566 - 571	8912	5	tr	tr	tr	tr														
571 - 576	8913	5	tr	tr	tr	tr														

Form No. 504-R1-5M-8-70-GP

HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.

DIAMOND DRILL RECORD

CORRECTED DIP TESTS

Date Began ..... Date Completed .....

Property ..... Project No. ..... Depth .....

Hole No. H 2 COST 2 Co-ord ..... Horizontal Length .....

Sheet No. ..... Direction .....

Claim No. ..... Elevation ..... Angle .....

H. LOCKWOOD

DEPTH	NUMBER	ASSAY WIDTH	AU	AG	CU	ZN	PB	NI	WIDTH X ASSAY	AVERAGES WIDTH	AU	AG	CU	ZN
576 - 581	8914	5	tr	tr	tr	tr								
581 - 582	8915	1	tr	tr	tr	tr								
582 - 587	6477	5	0.52	0.10	t	t								
QUARTERED														
582-583	8916	1	tr	tr	tr	tr								
583 - 584	8917	1	0.34	.04	tr	tr								
584 - 585	8918	1	tr	tr	tr	tr								
585-586	8919	1	tr	tr	Tr	tr								
586 - 587	8920	1	tr	tr	tr	tr								
587 - 600	8921	3	tr	tr	tr	tr								
600 - 605	8922	5	tr	tr	tr	tr								
605 - 610	8923	5	tr	tr	tr	tr								
610 - 615	8924	5	tr	tr	tr	tr								
615 - 620	8925	5	tr	tr	tr	tr								
620 - 690	ω	70												
690	E	O	H											

[redacted] RESOURCES INC.
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE - 1 from OM88-3-C-182

Date: May 30, 1988

CO-ORDINATES: 1+00 W, 2+80 S
COLLAR ELEV.:
AZIMUTH: 150° (true)
ANGLE: -45° S

CLAIM NO.: 1004896
CORE SIZE: BQ
DATE STARTED: May 15, 1988
COMPLETED: May 22, 1988

LOGGED BY: D. Pesce
DRILLED BY: Kenora Soil & Drilling
SECTION: 1+00 W
DEPTH: 757.0 ft.

HOLE SURVEYS (CORRECTED)

DEPTH	DIP	DIRECTION
300'	37°	
557'	33½°	
757'	32°	

REMARKS: hole drilled to test coincident EM-17, VLF-EM and magnetic anomalies 100 ft to west of 1975 HBED drill hole H-2

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
0.0	7.0	Casing		N.A.	0.0	7.0	7.0		
7.0	757.0	Rhyodacite	- medium grey in color, agglomerate tuff, highly fragmental in sections from 1/8" to ½"; moderately to heavily silicified in sections, slightly chloritic in small veinlets - small rose colored garnets about 1/8" in diameter found throughout; occasionally chlorite and garnets found as a chlorite/garnet schist, a few carbonate veinlets sulfides present as pyrrhotite (po) and pyrite (py) about 1% throughout, massive sections from ½" to 2" wide of sulfides, trace magnetite, slightly sericitic 20.3 - 20.6 massive sulfides 5% po, 15% py slightly chloritic, slightly silicious 36.5 - 37.3 disseminated sulfides 10% po 10% py chlorite/garnet schist 41.6 - 41.75 massive po 70% 42.9 - 44.1 highly fragmented section 54.3 ½" po vein 62.9 - 63.7 massive & disseminated sulfides 5% py 2% po moderately siliceous 64.2 - 64.6 massive and disseminated sulfides 5%py 2% po 65.65- 67.2 massive and disseminated sulfides 20% py 5% po 69.2 - 70.6 massive and disseminated sulfides 10% py 3% po 82.5 - 82.7 massive sulfides 50% py 5% po 92.3 - 92.5 massive sulfides 50% po 2% py 93.5 ½" py veinlet 107.0 -107.2 quartz vein 1% sulfides 110.0 -121.0 highly siliceous tuff, disseminated sulfides 1%	58523	7.0	10.0	3.0	9	
				58524	10.0	13.0	3.0	9	
				58525	13.0	16.0	3.0	320	
				58526	16.0	20.0	4.0	240	
				58527	20.0	21.0	1.0	320	
				58528	21.0	22.5	1.5	170	
				58529	22.5	25.0	2.5	140	
				58530	25.0	28.0	3.0	2	
				58531	28.0	31.0	3.0	21	
				58532	31.0	34.0	3.0	8	
				58533	34.0	36.0	2.0	4	
				58534	36.0	37.5	1.5	97	
				58535	37.5	40.0	2.5	12	
				58536	40.0	44.0	4.0	14	
				58537	44.0	45.0	1.0	4300	0.125
				58538	45.0	48.0	3.0	4	
				58539	48.0	51.0	3.0	7	
				58540	51.0	54.0	3.0	7	
				58541	54.0	57.0	3.0	950	
				58542	57.0	60.0	3.0	52	
				58543	60.0	62.9	2.6	9	
				58544	62.9	65.5	2.6	48	
				58545	65.5	67.1	1.6	210	
				58546	67.1	69.0	1.9	10	
				58547	69.0	71.0	2.0	82	
				58548	71.0	74.0	3.0	8	
				58549	74.0	77.0	3.0	3	
				58550	77.0	80.0	3.0	7	
				58551	80.0	82.0	2.0	2	
				58552	82.0	83.0	1.0	37	
				58553	83.0	86.0	3.0	5	
				58554	86.0	89.0	3.0	2	
				58555	89.0	91.0	2.0	3	
				58556	91.0	92.5	1.5	3	
				58557	92.5	96.0	3.5	<1	
				N.A.	96.0	100.0	4.0		
				58558	100.0	103.0	3.0	3	
				58559	107.0	110.0	3.0	38	
				58560	110.0	113.0	3.0	210	
				58561	113.0	116.0	3.0	92	

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
			128.7 - 130.0 garnet rich 1-2%	58562	116.0	119.7	3.7	120	
			132.2 - 133.0 disseminated po 2%	58563	119.7	122.0	2.3	390	
			134.25- 134.3 po vein	58564	122.0	125.0	3.0	24	
			140.3 - 143.8 2% disseminated sulfides, moderately siliceous, occasional garnets, slightly chloritic	58565	125.0	128.0	3.0	82	
				58566	128.0	130.0	2.0	66	
				58567	130.0	132.0	2.0	2	
			149.2 - 150.0 5% po 5% py, garnets, moderately siliceous	58568	132.0	133.0	1.0	17	
				58569	133.0	136.0	3.0	96	
			150.9 - 151.5 10% py 3% po garnets moderately siliceous	58570	136.0	140.3	4.3	13	
				58571	140.3	144.2	3.9	69	
				58572	144.2	147.0	2.8	23	
				58573	147.0	149.2	2.2	9	
				58574	149.2	151.5	2.3	92	
				58575	151.5	154.0	2.5	20	
				58576	154.0	157.0	3.0	11	
			162.0 - 166.7 5% disseminated po	58577	157.0	161.0	4.0	2	
			169.0 - 169.2 2 veinlets of po ¼" and 1/8"	58578	161.0	163.0	2.0	10	
			172.8 - 174.0 silicified section 1-2% po	58579	163.0	166.0	3.0	2	
				58580	166.0	169.0	3.0	42	
				58581	169.0	171.0	2.0	13	
				58582	171.0	173.0	2.0	12	
				58583	173.0	174.2	1.2	300	
				58584	174.2	176.0	1.8	64	
				58585	176.0	179.0	3.0	7	
				58586	179.0	182.0	3.0	2	
				58587	182.0	185.0	3.0	4	
				58588	185.0	188.0	3.0	<1	
				58589	188.0	192.0	4.0	25	
				58590	192.0	195.0	3.0	1	
				58591	197.5	200.0	2.5	<1	
				58592	200.0	203.0	3.0	6	
				58593	203.0	206.0	3.0	<1	
				58594	206.0	209.0	3.0	<1	
				58595	209.0	211.5	2.5	76	
				58596	211.5	214.5	3.0	5	
				N.A.	214.5	216.5	2.0		
			217.0 - 220.7 disseminated sulfides 5% po 2% py moderately to heavily silicified, moderately chloritic	58597	216.5	220.7	4.2	2100	0.06
				58598	220.7	223.0	2.3	61	
				58599	223.0	226.0	3.0	450	
			224.0 ¼" po vein	58600	226.0	229.0	3.0	230	
			227.7 - 227.8 narrow quartz vein, disseminated po and py, 10%	58901	229.0	233.0	4.0	16	
				58902	233.0	235.0	2.0	<1	
			235.5 - 235.65 massive po 20%, moderately siliceous	58903	235.0	236.0	1.0	340	
				58904	236.0	239.0	3.0	3	
				58905	239.0	242.0	3.0	1	
				N.A.	242.0	246.0	4.0		
				58906	246.0	248.0	2.0	3	
				58907	248.0	251.0	3.0	40	
				58908	251.0	254.0	3.0	44	
				58909	254.0	257.0	3.0	39	
				58910	257.0	260.5	3.5	26	
				N.A.	260.5	263.0	2.5		
				58911	263.0	266.0	3.0	8	
				58912	266.0	269.0	3.0	3	
				58913	276.0	278.0	2.0	5	
			281.0 - 282.5 biotite/po veinlet running parallel to core axis 30% po in veinlet	58914	278.0	281.0	3.0	5	
				58915	281.0	282.5	1.5	47	

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	ASSAY Au ppb	Au oz/ton	
				58916	282.5	286.0	3.5	7		
				58917	286.0	290.0	4.0	2		
				N.A.	290.0	292.0	2.0			
				58918	292.0	295.0	3.0	<1		
				58919	295.0	298.0	3.0	<1		
				58920	298.0	301.0	3.0	<1		
				58921	301.0	304.0	3.0	<1		
				58922	304.0	307.0	3.0	38		
				58923	307.0	310.0	3.0	1		
				58924	310.0	313.0	3.0	3		
				58925	313.0	316.0	3.0	1		
				58926	316.0	319.0	3.0	1		
				58927	319.0	322.0	3.0	4		
				58928	322.0	325.0	3.0	3		
				58929	325.0	328.0	3.0	3		
				58930	328.0	331.0	3.0	5		
			331.1 - 331.3 massive and disseminated po 15-20%	58931	331.0	334.0	3.0	6		
				58932	334.0	337.0	3.0	3		
				58933	337.0	340.0	3.0	3		
				58934	340.0	343.0	3.0	4		
				58935	343.0	346.0	3.0	<1		
				58936	346.0	349.0	3.0	3		
				58937	349.0	352.0	3.0	2		
				58938	352.0	355.0	3.0	5		
				58939	355.0	358.0	3.0	3		
				58940	358.0	361.0	3.0	4		
				58941	361.0	364.0	3.0	3		
			364.3 - 366.0 garnet rich up to 1/8" in diameter	58942	364.0	367.0	3.0	26		
				58943	367.0	370.0	3.0	6		
				58944	370.0	373.0	3.0	17		
				58945	373.0	376.0	3.0	5		
				58946	376.0	378.0	2.0	5		
			378.1 - 379.2 disseminated po 3% highly siliceous	58947	378.0	380.0	2.0	6		
			382.2 - 382.6 disseminated po 3%	58948	380.0	383.0	3.0	18		
				58949	383.0	385.0	2.0	31		
			385.2 - 386.0 disseminated po 5%	58950	385.0	386.0	1.0	50		
				58951	386.0	389.0	3.0	37		
				58952	389.0	392.0	3.0	1200		
				58953	392.0	395.0	3.0	140		
				58954	395.0	398.0	3.0	650		
			400.2 - 405.5 massive and disseminated po 5-7% total, moderately to heavily siliceous	58955	398.0	400.0	2.0	1300		
				58956	400.0	402.0	2.0	>10000	1.32	
				58957	402.0	404.0	2.0	9000	0.35	0.59/
				58958	404.0	406.0	2.0	2900	0.11	6.0
				58959	406.0	409.0	3.0	970		
				58960	409.0	412.0	3.0	5		
				58961	412.0	415.0	3.0	6		
				58962	415.0	418.0	3.0	87		
				58963	418.0	421.0	3.0	5		
				58964	421.0	424.0	3.0	5		
				58965	424.0	427.0	3.0	3		
				58966	427.0	430.0	3.0	2		
				58967	430.0	433.0	3.0	4		
				58968	433.0	436.0	3.0	3		

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE #1

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
				58969	436.0	439.0	3.0	4	
				58970	439.0	442.0	3.0	4	
				58971	442.0	446.0	4.0	5	
				58972	446.0	449.0	3.0	6	
				58973	449.0	452.0	3.0	15	
				58974	452.0	455.0	3.0	32	
				58975	455.0	458.0	3.0	7	
				58976	458.0	461.0	3.0	20	
				58977	461.0	464.0	3.0	47	
				58978	464.0	467.0	3.0	10	
				58979	467.0	470.0	3.0	7	
				58980	470.0	473.0	3.0	5	
				58981	473.0	475.5	2.5	9	
				58982	475.5	477.0	1.5	11	
				58983	477.0	480.0	3.0	6	
				58984	480.0	483.0	3.0	310	
				58985	483.0	486.0	3.0	53	
				58986	486.0	489.0	3.0	5	
				58987	489.0	492.0	3.0	19	
				58988	547.0	550.0	3.0	4	
				58989	550.0	554.0	4.0	8	
				N.A.	554.0	557.0	3.0		
				58990	557.0	580.0	3.0	3	
				58991	580.0	582.5	2.5	8	
			582.6 - 584.0 moderately to heavily silicified, cross-cutting quartz veins at no regular angles; sulfides 1% py as flakes, disseminated po	58992	582.5	584.0	1.5	60	
				58993	584.0	585.5	1.5	11	
				58994	585.5	588.0	2.5	18	
				58995	588.0	591.0	3.0	240	
			584.0 - 585.4 quartz vein, sericite, chloritic along fractures disseminated sulfides mostly py 1% slightly carbonatized	58996	591.0	594.0	3.0	690	
				58997	594.0	597.0	3.0	130	
				N.A.	597.0	606.0	9.0		
				58998	606.0	609.5	3.5	4	
				58999	609.5	610.5	1.0	51	
			609.5 - 610.5 disseminated po 1-2%; garnet rich	59000	610.5	613.0	3.5	2	
				61501	613.0	616.0	3.0	<1	
				61508	616.0	619.0	3.0	3	
				61502	619.0	622.0	3.0	3	
				61503	622.0	625.0	3.0	4	
				61504	625.0	628.0	3.0	3	
				61505	628.0	631.0	3.0	1	
				61506	631.0	634.0	3.0	2	
				61507	634.0	637.0	3.0	1	
				61509	637.0	640.0	3.0	4	
				61510	640.0	643.0	3.0	<1	
				61511	643.0	646.0	3.0	3	
				61512	646.0	649.0	3.0	160	
				61513	649.0	652.0	3.0	1	
				61514	652.0	655.0	3.0	5	
				61515	655.0	658.0	3.0	4	
				61516	658.0	661.0	3.0	7	
				61517	661.0	664.0	3.0	2	
				61518	664.0	667.0	3.0	3	
				61519	667.0	670.0	3.0	4	

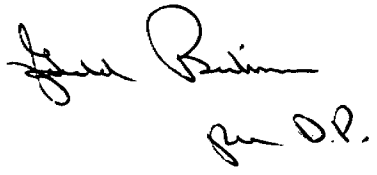
MINGOLD RESOURCES INC.
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE #1

Date: May 30 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION

Footage	Core Angle	Footage	Core Angle
14.0'	49°	530.0'	70°
32.0'	55°	548.0'	66°
51.0'	65°	558.0'	64°
67.0'	45°	568.0'	71°
82.0'	55°	578.0'	72°
93.5'	55°	586.0'	58°
103.0	46°	588.0'	71°
110.0	50°	592.0'	65°
124.0'	45°	598.0'	73°
133.0'	60°	602.0'	69°
141.0	58°	612.0'	72°
155.0'	52°	622.0'	72°
161.0'	40°	632.0'	74°
172.8'	58°	642.0'	65°
181.0'	54°	649.0'	71°
190.0'	54°	654.0'	75°
202.0'	45°	662.0'	75°
209.0'	64°	669.0'	78°
215.0'	46°	677.0'	77°
218.0'	50°	687.0	68°
226.0'	52°	692.0'	73°
232.0'	52°	697.0'	73°
244.0'	47°	702.0'	78°
250.0'	53°	707.0'	73°
260.0'	50°	712.0'	78°
270.0'	55°	717.0'	74°
280.0'	57°	722.0'	79°
290.0'	60°	727.0'	73°
300.0'	60°		
309.0'	55°		
316.0'	55°		
326.0'	55°		
336.0'	60°		
346.0'	57°		
356.0'	60°		
366.0'	60°		
376.0'	72°		
386.0'	57°		
396.0'	60°		
407.0'	60°		
417.0'	55°		
426.0'	65°		
435.0'	68°		
448.0'	69°		
458.0'	50°		
466.0'	63°		
482.0'	70°		
492.0'	70°		
502.0'	68°		
512.0'	70°		



SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au ppb	Au oz/ton
61520	670.0	673.0	3.0	2	
61521	673.0	676.0	3.0	miss'g	
61522	676.0	679.0	3.0	7	
61523	679.0	682.0	3.0	8	
61524	682.0	685.0	3.0	3	
61525	685.0	688.0	3.0	2	
61526	688.0	691.0	3.0	7	
61527	691.0	694.0	3.0	4	
61528	694.0	697.0	3.0	17	
61529	697.0	700.0	3.0	11	
61530	700.0	703.0	3.0	19	
61531	703.0	706.0	3.0	27	
61532	706.0	709.0	3.0	12	
61533	709.0	712.0	3.0	11	
61534	712.0	715.0	3.0	<1	
61535	715.0	718.0	3.0	<1	
61536	718.0	721.0	3.0	1	
61537	721.0	724.0	3.0	<1	
61538	724.0	727.0	3.0	1	
61539	727.0	730.0	3.0	<1	

MINGOLD RESOURCES INC.
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE- 2 from OM88-3-C-182

Date: Aug. 8 88

CO-ORDINATES: 28+80W 0+25N
COLLAR ELEV.:
AZIMUTH: 150°
ANGLE: -50°S
REMARKS:

CLAIM NO.: 1005353 LOGGED BY: D. Pesce
CORE SIZE: BQ DRILLED BY: Kenora Soil & Drilling
DATE STARTED: May 22, 1988 SECTION: 28+80W
COMPLETED: May 25, 1988 DEPTH: 392'

HOLE SURVEYS (CORRECTED)

DEPTH	DIP	DIRECTION
392'	41½°	

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
0.0	10.0	Casing		N/A	0.0	10.0	3.0	
10.0	392.0	Rhyodacite	medium grey in color, slightly to moderately siliceous and increases in certain areas; slightly chloritic in thin laminae, carbonate veinlets, occasional biotite crystals, occasional garnets; evidence of fragments in core from 1/8" to ½" in diameter, well foliated sulfides present as pyrrhotite (po) and pyrite (py) massive veins of po & py from 1/8" to 2" wide; disseminated sulfides throughout averages about ½% but increases in certain areas. ratio of po:py 4-1	61540	10.0	13.0	3.0	20
				61541	13.0	16.0	3.0	23
				61542	16.0	19.0	3.0	45
				61543	19.0	22.0	3.0	9
				61544	22.0	25.0	3.0	16
				61545	25.0	28.0	3.0	18
			33.0 - 33.9 massive po 5% disseminated 2% disseminated py 1%	61546	28.0	32.0	4.0	8
				61547	32.0	34.0	2.0	16
				61548	34.0	37.0	3.0	16
				61549	37.0	38.0	1.0	29
				61550	38.0	41.0	3.0	<5
				61551	41.0	44.0	3.0	6
				61552	44.0	46.0	2.0	5
				61553	46.0	47.5	1.5	<20
			47.0 - 47.95 disseminated po, py massive po veinlet	61554	47.5	50.5	3.0	5
			50.0 - 51.0 2% disseminated po	61555	50.5	53.0	2.5	7
				61556	53.0	56.0	3.0	<5
				61557	56.0	59.0	3.0	7
				61558	59.0	62.0	3.0	6
				61559	62.0	65.0	3.0	<5
				61560	65.0	68.0	3.0	<5
				61561	68.0	71.0	3.0	<5
				61562	71.0	74.0	3.0	<5
				61563	74.0	77.0	3.0	5
				61564	77.0	80.0	3.0	<5
				61565	80.0	83.0	3.0	25
				61566	83.0	85.0	2.0	10
			89.1 - 89.3 po & py vein	61567	85.0	89.5	4.5	7
				61568	89.5	92.0	2.5	<5
				61569	92.0	95.0	3.0	<5
				61570	95.0	98.0	3.0	8
				61571	98.0	101.0	3.0	21
				61572	101.0	104.0	3.0	<5

MINGOLD RESOURCES INC.
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE-2

Date: August 8, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb		
				61573	104.0	107.0	3.0	<5		
				61574	107.0	109.5	2.5	<5		
			110.0 - 110.7 disseminated po 5% py 1% moderately silicified	61575	109.5	111.0	1.5	6		
				61576	111.0	114.0	3.0	<5		
				61577	114.0	117.0	3.0	<5		
				61578	117.0	120.0	3.0	<5		
				61579	120.0	123.0	3.0	<5		
				61580	123.0	126.0	3.0	<5		
				61581	126.0	129.5	3.5	<5		
			130.0 - 130.2 20% massive po disseminated py 1%	61582	129.5	130.5	1.0	7		
				61583	130.5	133.0	2.5	<5		
				61584	133.0	136.0	3.0	6		
				61585	136.0	139.0	3.0	<5		
				61586	139.0	142.0	3.0	11		
				61587	142.0	144.0	2.0	<5		
			144.2 - 144.8 4% disseminated po	61588	144.0	145.0	1.0	<5		
				61589	145.0	148.0	3.0	<5		
				61590	148.0	149.9	1.9	10		
			149.9 - 155.6 4% po 1% py po as narrow veinlets py as disseminated; slightly siliceous	61591	149.9	153.0	3.1	8		
				61592	153.0	155.6	2.6	10		
				61593	155.6	159.0	3.4	5		
				61594	159.0	162.4	3.4	15		
			162.4 - 164.5 same as 149.9 - 155.6	61595	162.4	164.5	2.1	33		
			166.3 - 168.5 5-7% total sulfides 5% po 2% py CA @ 167.4 48°	61596	164.5	167.0	2.5	10		
				61597	167.0	168.5	1.5	37		
			170.0 - 173.2 4% po 1% py po as small veinlets py found throughout po veinlets moderately to heavily siliceous from 172.0 - 173.2 quartz-carb veinlet @ 130° to core axis CA @ 170.2 33°	61598	168.5	170.0	1.5	36		
				61599	170.0	173.2	3.2	78		
				61600	173.2	176.0	2.8	10		
				61601	176.0	179.0	3.0	11		
				61602	179.0	182.0	3.0	244		
				61603	182.0	185.0	3.0	18		
			180.6 ½" qtz vein trace po & py CA 47°	61604	185.0	188.0	3.0	} 19		
			186.2 - 186.5 5% disseminated po <1% py CA 44°	61605	188.0	192.0	4.0	}		
				61606	192.0	195.0	3.0	<5		
				61607	195.0	198.5	3.5	<5		
			198.5 - 199.5 1/8" to ¼" veinlet with biotite, sulfides & qtz cross cutting core @ 5° to core axis slight alteration halo around vein	61608	198.5	199.5	1.0	5		
				61609	199.5	203.0	3.5	10		
				61610	203.0	204.8	1.8	13		
				61611	204.8	206.0	1.2	25		
			204.8 - 206.0 7-10% po po vein @ 205.5 - 205.6 CA 47°	61612	206.0	209.0	3.0	54		
				61613	209.0	211.0	2.0	85		
				61614	211.0	215.0	4.0	52		
				61615	215.0	218.0	3.0	16		
				61616	218.0	221.0	3.0	6		
			221.8 - 221.85 po veinlet CA 40°	61617	221.0	224.0	3.0	<5		
				61618	224.0	227.0	3.0	<5		
				61619	227.0	230.0	3.0	<5		
			239.9 - 240.0 narrow qtz veinlet with small carb blebs trace py. vein cuts core @ 5° to core axis	61620	230.0	235.0	5.0	76		
				61621	235.0	239.9	4.9	69		
				61622	239.9	240.9	1.0	82		

[redacted] GOLD RESOURCES INC
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE - 2

Date: Aug. 8, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
				61623	240.9	244.0	3.1	7
				61624	244.0	247.0	3.0	<5
				61625	247.0	250.0	3.0	<5
				61626	250.0	252.0	2.0	<5
			252.0 to 254.5 moderately to heavily siliceous; 25% po 3% py CA 44°	62627	252.0	254.5	2.5	45
				62628	254.5	257.0	2.5	81
				62629	257.0	260.0	3.0	6
				62630	260.0	263.0	3.0	<5
			271.6 - 272.0 narrow qtz vein cross cutting core trace sulfides 1% & biotite	62631	263.0	266.0	3.0	12
				62632	266.0	269.0	3.0	<5
			274.0 - 274.3 60% po 5% py moderately siliceous CA 45°	62633	269.0	272.0	3.0	5
				62634	272.0	274.0	2.0	<5
			274.8 - 274.9 60% po 5% py moderately siliceous CA 36°	62635	274.0	276.0	2.0	5
				62636	276.0	279.0	3.0	72
			280.4 - 282.1 23% po 5% py moderately siliceous CA 37°	62637	279.0	282.1	3.1	26
				62638	282.1	285.0	2.9	13
			285.4 - 286.6 20% po 5% py moderately siliceous CA 45°	62639	285.0	287.0	2.0	15
				62640	287.0	289.0	2.0	7
			289.1 - 289.2 po veinlet CA 47°	62641	289.0	292.2	3.2	<5
			290.2 1/8" po veinlet CA 50°	62642	292.2	295.0	2.8	<5
			291.8 - 292.3 60% massive po CA 45°	62643	295.0	302.0	7.0	<5
			299.3 - 300.3 10% po found in small blebs CA 45°	61644	302.0	304.0	2.0	<5
			309.1 - 309.2 po veinlet CA 38°	61645	305.0	307.0	3.0	<5
			310.3 - 310.7 po vein 60% po HW contact @ 48° FW contact @ 55°	61646	307.0	309.0	2.0	<5
				61647	309.0	312.0	3.0	77
			314.85- 315.0 po veinlet	61648	312.0	314.0	2.0	11
			316.8 - 316.85 po veinlet CA 43°	61649	314.0	317.0	3.0	16
			318.2 - 318.6 5% po	61650	317.0	319.0	2.0	32
			319.2 - 319.4 5% po CA 35°	61651	319.0	322.0	3.0	<5
			320.6 - 320.7 po veinlet CA 44°	61652	322.0	324.0	2.0	8
			322.0 - 324.5 5% sulfides in wispy laminae; slightly to moderately siliceous CA 46°	61653	324.0	325.0	1.0	60
				61654	325.0	327.0	2.0	9
				61655	327.0	329.0	2.0	18
			325.8 - 325.85 po veinlet CA 44°	61656	329.0	330.0	1.0	231
			326.0 - 326.05 po veinlet	61657	330.0	332.0	2.0	105
			326.7 - 327.0 5-7% po, moderately siliceous	61658	332.0	335.0	3.0	8
			327.8 - 329.0 10% disseminated po. CA 52°	61659	335.0	338.0	3.0	<5
			329.3 - 330.0 highly siliceous, 10-12% po 2-3% py moderately chloritic HW contact @ 65° FW contact @ 55°	61660	338.0	341.0	3.0	<5
				61661	341.0	344.0	3.0	<5
				61662	344.0	347.0	3.0	<5
			330.5 - 332.5 narrow veinlet containing py and biotite running parallel to core axis some disseminated po around veinlet	61663	347.0	350.0	3.0	<5
				61664	350.0	353.5	3.5	<5
				61665	353.5	356.0	2.5	12
				61666	356.0	359.0	3.0	20
				61667	359.0	361.0	2.0	<5
				61668	361.0	364.0	3.0	26
				N.A.	364.0	372.0	8.0	
			Core angles averaged over 100' intervals	61669	372.0	375.0	3.0	<5
	392.0	E.O.H.	0 - 100' CA average 41.6°	61670	375.0	378.5	3.5	<5
			101 - 200' CA average 42.5°	N.A.	378.5	392.0	13.5	
			201 - 300' CA average 44.0°					
			301 - 392' CA average 50.0°					

per D.P.

[redacted] RESOURCES [redacted]
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE - #3 from OM88-3-C-182.

Date: Aug. 9, 1988

CO-ORDINATES: 28+60W 3+70S
COLLAR ELEV.:
AZIMUTH: 150°
ANGLE: -45°S
REMARKS:

CLAIM NO.: 1005353
CORE SIZE: BQ
DATE STARTED: May 27, 1988
COMPLETED: May 30, 1988

LOGGED BY: D. Pesce
DRILLED BY: Kenora Soil & Drilling
SECTION: 28+60
DEPTH: 402'

HOLE SURVEYS (UNCORRECTED)

DEPTH	DIP	DIRECTION
402'	41W°	

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
0.0	10.0	Casing		N.A.	10.0	13.0	3.0		
10.0	402.0	Rhyodacite	medium grey in color, slightly fragmental, moderately	61671	13.0	16.0	3.0	11	
			siliceous but increases to heavily siliceous in	61672	16.0	20.0	4.0	<5	
			certain sections. Visible garnets, reddish in color;	N.A.	20.0	25.0	5.0		
			carbonate veinlets, qtz carb veinlets, slightly	61673	25.0	27.8	2.8	<5	
			chloritic; well foliated sulfides average ½-1% overall	61674	27.8	30.5	2.7	5	
			but increases in areas.	61675	30.5	33.5	2.5	<5	
			pyrrhotite (po) and pyrite (py)	61676	33.0	36.0	3.0	168	
			13.0 - 20.0 fractured, weathered core showing rust	61677	36.0	37.2	1.2	1361	0.074
			staining along fractures	61678	37.2	40.0	2.8	377	
			some po & py visible CA 40°	61679	40.0	43.0	3.0	60	
			27.0 - 30.5 5% po 2% py CA 40°	61684	43.5	44.5	1.0	<5	
			36.0 - 37.2 qtz vein;slightly chloritic 1% sulfides	N.A.	44.5	58.5	14.0		
			found along fractures and in blebs;	61685	58.5	60.0	1.5	15	
			some rust staining near FW contact	N.A.	60.0	82.0	22.0		
			HW @ 60° FW @65°	61686	82.0	85.0	3.0	<5	
			43.9 - 44.1 qtz vein 2% py CA 40°	N.A.	85.0	87.0	2.0		
			59.0 - 59.3 2% po in wispy laminae CA 38°	61687	87.0	89.0	2.0	<5	
			87.9 ¼" po veinlet CA 43°	N.A.	89.0	98.0	9.0		
			98.9 ¼" po veinlet CA 48°	61688	98.0	100.0	2.0	<5	
			107.5 -108.9 heavily silicified section	N.A.	100.0	107.5	7.5		
			trace sulfides	61680	107.5	108.9	1.4	<5	
				61681	108.9	110.0	1.1	<5	
			110.6 -111.2 narrow veinlets containing garnets in	61682	110.0	112.0	2.0	9	
			a sericite matrix; 2% po CA 47°	61683	112.0	114.0	2.0	27	
			112.8 - 113.2 as in 110.6 - 111.2	N.A.	114.0	122.0	8.0		
			125.2 ¼" po veinlet CA 47°	61692	122.0	124.0	2.0	<5	
			126.0 ¼" po veinlet CA 45°	61689	124.0	127.0	3.0	<5	
			129.3 - 129.4 po & py veinlet	N.A.	127.0	129.0	2.0		
			130.1 ¼" po veinlet	61690	129.0	132.0	3.0	68	
			130.8 - 131.2 po vein 30% CA 53°	61691	132.0	135.0	3.0	<5	
			132.1 ¼" po veinlet CA 48°	61693	135.0	139.0	4.0	<5	
				N.A.	139.0	142.0	3.0		
				61694	142.0	143.0	1.0	<5	
				N.A.	143.0	154.0	11.0		
			155.5 1/8" po veinlet CA 47°	61695	154.0	156.5	2.5	<5	
			163.35 -164.1 3.5% disseminated po	61696	156.5	162.0	6.5	<5	
			165.5 - 167.0 2% disseminated po CA 54°	61696	162.0	165.0	3.0	<5	
				61697	165.0	168.0	3.0	<5	
			169.3 - 169.75 2% disseminated po CA 46%	61698	168.0	171.0	3.0	<5	
				N.A.	171.0	188.0	17.0		

[redacted] M[redacted]GO[redacted] [redacted]SC[redacted]CI[redacted] I[redacted]. [redacted]

Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE #3

Date: Aug. 9, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
			189.0 - 189.3 20% po CA 50°	61699	188.0	191.0	3.0	<5	
			189.95 ¼" po veinlet CA 55°	61700	191.0	194.0	3.0	<5	
			189.0 - 191.5 narrow 1/8" carbonate veinlet	62126	194.9	196.0	2.0	<5	
			running parallel to core axis; shows	N.A.	196.0	199.0	3.0		
			slight folding	62127	199.0	202.0	3.0	<5	
			197.1 ¼" po veinlet CA 56°	62128	202.0	205.0	3.0	<5	
			199.6 - 199.8 30% po CA 52°	62129	205.0	208.0	3.0	72	
			204.4 - 204.6 10% po CA 54°	62130	208.0	211.0	3.0	20	
			206.4 - 207.0 5% po 5% py; moderately to heavily	N.A.	211.0	218.0	9.0		
			siliceous CA 46°	62131	218.0	221.0	3.0	70	
			208.8 - 209.0 qtz-carb vein showing folding	62132	221.0	224.0	3.0	545	0.005
			210.5 - 210.6 qtz carb vein sulfides 1% CA 57°	62133	224.0	226.0	2.0	8	
			212.3 po veinlet CA 50°	62134	226.0	229.0	3.0	<5	
			218.5 - 270.3 moderately to heavily silicified	62135	229.0	232.0	3.0	17	
			section some qtz-carb veinlets	N.A.	232.0	237.0	5.0		
			py about 2% FW contact @ 40°	62136	237.0	239.0	2.0	9986	0.173
			HW contact @ 50°	62137	239.0	241.0	2.0	490	
			224.5 - 225.0 5% po CA 45°	62138	241.0	244.0	3.0	12	
			229.2 - 230.0 5% po, moderately siliceous CA 49°	62139	244.0	246.0	2.0	5	
			237.3 - 238.4 5% po, moderately siliceous CA 55°	62140	246.0	249.0	3.0	240	
			242.2 - 243.5 qtz carb vein showing folding, trace	62141	249.0	252.0	3.0	3579	0.085
			sulfides, moderately chloritic	N.A.	252.0	254.0	2.0		
			247.6 - 247.8 qtz vein of 2% po CA 55°	62142	254.0	257.0	3.0	99	
			249.9 - 250.9 highly siliceous section 3% po 3% py	62143	257.0	259.0	2.0	1439	0.030
			CA 55°	62144	259.0	261.0	2.0	40	
			258.5 - 259.7 3-5% po garnet rich CA 50°	N.A.	261.0	280.0	19.0		
				62145	280.0	282.0	2.0	<5	
				N.A.	282.0	286.0	4.0		
				62146	286.0	288.5	2.5	<5	
				N.A.	288.5	294.0	3.5		
			294.3 - 294.4 qtz vein, trace sulfides	62147	294.0	296.0	2.0	109	
				N.A.	296.0	307.0	11.0		
			307.6 - 307.8 qtz carb vein trace sulfides, CA 43°	62148	307.0	309.0	2.0	<5	
			309.2 - 310.5 2% po garnet rich near HW & FW	62149	309.0	311.0	2.0	6	
			sections CA 55°	62150	311.0	312.5	1.5	<5	
			312.8 - 313.1 qtz vein trace sulfides CA 56°	62151	312.5	313.5	1.0	355	
				62152	313.5	316.0	2.5	7276	0.136
				62153	316.0	319.0	3.0	5	
				62154	319.0	322.0	3.0	<5	
				N.A.	322.0	332.0	10.0		
			332.2 - 333.1 sub rounded qtz-carb phenocrysts in	62155	332.0	334.0	2.0	<5	
			core; trace sulfides	62156	334.0	337.0	3.0	<5	
				62157	337.0	340.0	3.0	<5	
				62158	340.0	342.0	2.0	<5	
			343.0 - 343.1 po veinlet CA 50°	62159	342.0	344.0	2.0	<5	
				N.A.	344.0	350.0	6.0		
			351.8 - 352.0 sulfide, biotite veinlet (1/16" wide)	62160	350.0	353.0	3.0	141	
			cutting across foliation @ 43°	62161	353.0	355.5	2.5	35	
			355.85-359.8 20% po 5% py, garnet moderately	62162	355.5	359.5	4.0	242	
			chloritic FW @ 55° HW @ 45°	62163	359.5	362.0	2.5	<5	
				N.A.	362.0	366.5	4.5		

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE #3

Date: Aug. 9, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASS Au ppb	ASS Au oz/ton
			360.8 - 367.5 qtz vein 5% po 1% py sulfides found along fractures and as belbs CA 45°	62164	366.0	367.5	1.0	<5	
				62165	367.5	370.0	2.5	<5	
			367.5 - 370.0 10% po, moderately chloritic garnet rich trace py	62166	370.0	373.0	3.0	<5	
				62167	373.0	376.0	3.0	<5	
			373.0 - 382.0 magnetite found along contacts; garnets CA between 53° to 55°	62168	376.0	379.0	3.0	<5	
				62169	379.0	381.0	2.0	<5	
	402.0	E.O.H.	Core angles averaged over 100'	N.A.	381.0	402.0	21.0		
			0 - 100' 46.5°						
			101 - 200' 47.0°						
			201 - 300' 52.1°						
			301 - 401' 53.2						

Gold Bruin per D.P.

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

HOLE NO. H-2 PROJECT NAME EAGLE - SHOAL LAKE MAP NO. 388

ANGLE -45° DIRECTION 150° DEPTH 690.0'

CLAIM 383 709 GRID "H" CO-ORDINATES (30+00 W)
(0+00 B.L.)

LOCATION ABERNATHY LAKE

STARTED FEBRUARY 14,1975 FINISHED FEBRUARY 20,1975 CORE SIZE AQ

DRILLED BY MIDWEST DRILLING LOGGED BY H. C. LOCKWOOD

FROM	TO	DESCRIPTION
0	4.0	CASING
4.0	690.0	FRAGMENTAL RHYODACITE - Medium grey, banded @ 45°; highly fragmental; interbedded agglomerate tuffs, lapilli tuffs with minor massive and porphyritic dacitic sections; Occasional intebed garnet-chlorite schist; abundant quartz-carbonates, biotite alteration throughout; Fragments from 1/16" to 2" throughout, minor sericite; Pyrrhotite stringers 1/16" to 4" from 4'-600', trace pyrite;
		#6469: 25.0- 27.0 7% pyrrhotite stringers - ½";
		#6470: 143.0-144.0 30% pyrrhotite, 3" stringers;
		#6471: 147.0-150.0 7% pyrrhotite, ½" stringers
		#6472: 156.0-158.0 15% pyrrhotite, ½" stringers;
		#6473: 308.0-309.0 50% pyrrhotite, 6" stringers
		#6474: 360.0-363.0 9% pyrrhotite, 1" stringer;
		#6475: 442.0-225.0 3% pyrrhotite, ¼" stringers
		#6476: 511.0-512.0 5% pyrrhotite, disseminated;
		→ #6477: 582.0-587.0 15% pyrrhotite, 4" stringers;
690.0		END OF HOLE

Form No. 504-R1-5M-8-70-GP

HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.

CORRECTED DIP TESTS

DIAMOND DRILL RECORD

Date Began 14/2/75 Date Completed 20-2-75

Property SHOAL LAKE Project No. EAGLE Depth 690

Hole No. H-2 Co-ord 30+00 W Horizontal Length 490

Sheet No. 338 O.B.L. Direction 150

Claim No. 383709 Elevation — Angle -45°

TEST @ 690 40°

K. C. Lockwood

Resident Geolo

DEPTH	NUMBER	WIDTH	ASSAY AU	ASSAY AG	ASSAY CU	ASSAY ZN	ASSAY PB	ASSAY NI	WIDTH X ASSAY	AVERAGES WIDTH	AU	AG	CU	ZN	PB
0 - 4	CASING	4													
4 - 20	W	16													
20 - 25	8901	5	tr	tr	tr	tr									
25 - 27	6469	2	t	t	t	t									
27 - 30	8902	3	tr	tr	tr	tr									
30 - 130	W	100													
130 - 135	8903	5	tr	tr	tr	tr									
135 - 140	8904	5	tr	tr	tr	tr									
140 - 143	8905	3	tr	tr	tr	tr									
143 - 146	8906	3	tr	tr	tr	tr									
146 - 147	W	1													
147 - 150	6471	3	t	t	t	t									
150 - 156	W	6													
156 - 158	6472	2	t	t	t	t									
158 - 162	8907	4	tr	tr	tr	tr									
162 - 196	W ~~8908~~	34													
196 - 199	8908	3	tr	tr	tr	tr									
199 - 246	W	47													
246 - 250	8909	4	tr	tr	tr	tr									
250 - 308	W	58													
308 - 309	6473	1	t	t	t	t									
309 - 360	W	51													
360 - 363	6474	3	t	t	t	t									
363 - 442	W	79													
442 - 445	6475	3	t	t	t	t									
445 - 505.5	W	50.5													
505.5 - 507	8910	1.5	tr	tr	tr	tr									
507 - 511	W	4													
511 - 512	6476	1	t	t	t	t									
512 - 561	W	49													
561 - 566	8911	5	tr	tr	tr	tr									
566 - 571	8912	5	tr	tr	tr	tr									
571 - 576	8913	5	tr	tr	tr	tr									

Form No. 504-R1-5M-8-70-GP

HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.

DIAMOND DRILL RECORD

CORRECTED DIP TESTS

Date Began ..... Date Completed .....

Property ..... Project No. ..... Depth .....

Hole No. H. 2 COST ..... Co-ord ..... Horizontal Length .....

Sheet No. .... Direction .....

Claim No. ..... Elevation ..... Angle .....

H. LOCKWOOD

DEPTH	NUMBER	ASSAY WIDTH	AU	AG	CU	ZN	PB	NI	WIDTH X ASSAY	AVERAGES WIDTH	AU	AG	CU	ZN
576 - 581	8914	5	tr	tr	tr	tr								
581 - 582	8915	1	tr	tr	tr	tr								
582 - 587	6477	5	0.52	0.10	tr	tr								
QUARTERED:														
582-583	8916	1	tr	tr	tr	tr								
583 - 584	8917	1	0.34	.04	tr	tr								
584 - 585	8918	1	tr	tr	tr	tr								
585 - 586	8919	1	tr	tr	Tr	tr								
586 - 587	8920	1	tr	tr	tr	tr								
587 - 600	8921	3	tr	tr	tr	tr								
600 - 605	8922	5	tr	tr	tr	tr								
605 - 610	8923	5	tr	tr	tr	tr								
610 - 615	8924	5	tr	tr	tr	tr								
615 - 620	8925	5	tr	tr	tr	tr								
620 - 690	ω	70												
690	E O H													

MINGOLD RESOURCES INC.
Eastern District

Date: May 30, 1988

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE - 1

CO-ORDINATES: 1+00 W, 2+80 S
COLLAR ELEV.:
AZIMUTH: 150° (true)
ANGLE: -45° S

CLAIM NO.: 1004896
CORE SIZE: BQ
DATE STARTED: May 15, 1988
COMPLETED: May 22, 1988

LOGGED BY: D. Pesce
DRILLED BY: Kenora Soil & Drilling
SECTION: 1+00 W
DEPTH: 757.0 ft.

HOLE SURVEYS (CORRECTED)

DEPTH	DIP	DIRECTION
300'	37°	
557'	33½°	
757'	32°	

REMARKS: hole drilled to test coincident EM-17, VLF-EM and magnetic anomalies 100 ft to west of 1975 HBED drill hole H-2

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
0.0	7.0	Casing		N.A.	0.0	7.0	7.0		
7.0	757.0	Rhyodacite	- medium grey in color, agglomerate tuff, highly fragmental in sections from 1/8" to ¾"; moderately to heavily silicified in sections, slightly chloritic in small veinlets	58523	7.0	10.0	3.0	9	
				58524	10.0	13.0	3.0	9	
				58525	13.0	16.0	3.0	320	
				58526	16.0	20.0	4.0	240	
			- small rose colored garnets about 1/8" in diameter found throughout; occasionally chlorite and garnets found as a chlorite/garnet schist, a few carbonate veinlets sulfides present as pyrrhotite (po) and pyrite (py) about 1% throughout, massive sections from ¾" to 2" wide of sulfides, trace magnetite, slightly sericitic	58527	20.0	21.0	1.0	320	
				58528	21.0	22.5	1.5	170	
				58529	22.5	25.0	2.5	140	
				58530	25.0	28.0	3.0	2	
				58531	28.0	31.0	3.0	21	
				58532	31.0	34.0	3.0	8	
				58533	34.0	36.0	2.0	4	
			20.3 - 20.6 massive sulfides 5% po, 15% py slightly chloritic, slightly silicious	58534	36.0	37.5	1.5	97	
				58535	37.5	40.0	2.5	12	
				58536	40.0	44.0	4.0	14	
			36.5 - 37.3 disseminated sulfides 10% po 10% py chlorite/garnet schist	58537	44.0	45.0	1.0	4300	0.125
				58538	45.0	48.0	3.0	4	
			41.6 - 41.75 massive po 70%	58539	48.0	51.0	3.0	7	
			42.9 - 44.1 highly fragmented section	58540	51.0	54.0	3.0	7	
			54.3 ¼" po vein	58541	54.0	57.0	3.0	950	
			62.9 - 63.7 massive & disseminated sulfides 5% py 2% po moderately siliceous	58542	57.0	60.0	3.0	52	
				58543	60.0	62.9	2.6	9	
			64.2 - 64.6 massive and disseminated sulfides 5%py 2% po	58544	62.9	65.5	2.6	48	
				58545	65.5	67.1	1.6	210	
			65.65- 67.2 massive and disseminated sulfides 20% py 5% po	58546	67.1	69.0	1.9	10	
				58547	69.0	71.0	2.0	82	
			69.2 - 70.6 massive and disseminated sulfides 10% py 3% po	58548	71.0	74.0	3.0	8	
				58549	74.0	77.0	3.0	3	
			82.5 - 82.7 massive sulfides 50% py 5% po	58550	77.0	80.0	3.0	7	
			92.3 - 92.5 massive sulfides 50% po 2% py	58551	80.0	82.0	2.0	2	
			93.5 ¼" py veinlet	58552	82.0	83.0	1.0	37	
			107.0 -107.2 quartz vein 1% sulfides	58553	83.0	86.0	3.0	5	
			110.0 -121.0 highly siliceous tuff, disseminated sulfides 1%	58554	86.0	89.0	3.0	2	
				58555	89.0	91.0	2.0	3	
				58556	91.0	92.5	1.5	3	
				58557	92.5	96.0	3.5	<1	
				N.A.	96.0	100.0	4.0		
				58558	100.0	103.0	3.0	3	
				58559	107.0	110.0	3.0	38	
				58560	110.0	113.0	3.0	210	
				58561	113.0	116.0	3.0	92	

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
			128.7 - 130.0 garnet rich 1-2%	58562	116.0	119.7	3.7	120	
			132.2 - 133.0 disseminated po 2%	58563	119.7	122.0	2.3	390	
			134.25- 134.3 po vein	58564	122.0	125.0	3.0	24	
			140.3 - 143.8 2% disseminated sulfides, moderately siliceous, occasional garnets, slightly chloritic	58565	125.0	128.0	3.0	82	
				58566	128.0	130.0	2.0	66	
				58567	130.0	132.0	2.0	2	
			149.2 - 150.0 5% po 5% py, garnets, moderately siliceous	58568	132.0	133.0	1.0	17	
				58569	133.0	136.0	3.0	96	
			150.9 - 151.5 10% py 3% po garnets moderately siliceous	58570	136.0	140.3	4.3	13	
				58571	140.3	144.2	3.9	69	
				58572	144.2	147.0	2.8	23	
				58573	147.0	149.2	2.2	9	
				58574	149.2	151.5	2.3	92	
				58575	151.5	154.0	2.5	20	
				58576	154.0	157.0	3.0	11	
			162.0 - 166.7 5% disseminated po	58577	157.0	161.0	4.0	2	
			169.0 - 169.2 2 veinlets of po ¼" and 1/8"	58578	161.0	163.0	2.0	10	
			172.8 - 174.0 silicified section 1-2% po	58579	163.0	166.0	3.0	2	
				58580	166.0	169.0	3.0	42	
				58581	169.0	171.0	2.0	13	
				58582	171.0	173.0	2.0	12	
				58583	173.0	174.2	1.2	300	
				58584	174.2	176.0	1.8	64	
				58585	176.0	179.0	3.0	7	
				58586	179.0	182.0	3.0	2	
				58587	182.0	185.0	3.0	4	
				58588	185.0	188.0	3.0	<1	
				58589	188.0	192.0	4.0	25	
				58590	192.0	195.0	3.0	1	
				58591	197.5	200.0	2.5	<1	
				58592	200.0	203.0	3.0	6	
				58593	203.0	206.0	3.0	<1	
				58594	206.0	209.0	3.0	<1	
				58595	209.0	211.5	2.5	76	
				58596	211.5	214.5	3.0	5	
				N.A.	214.5	216.5	2.0		
			217.0 - 220.7 disseminated sulfides 5% po 2% py moderately to heavily silicified, moderately chloritic	58597	216.5	220.7	4.2	2100	0.06
				58598	220.7	223.0	2.3	61	
				58599	223.0	226.0	3.0	450	
			224.0 ¼" po vein	58600	226.0	229.0	3.0	230	
			227.7 - 227.8 narrow quartz vein, disseminated po and py, 10%	58901	229.0	233.0	4.0	16	
				58902	233.0	235.0	2.0	<1	
			235.5 - 235.65 massive po 20%, moderately siliceous	58903	235.0	236.0	1.0	340	
				58904	236.0	239.0	3.0	3	
				58905	239.0	242.0	3.0	1	
				N.A.	242.0	246.0	4.0		
				58906	246.0	248.0	2.0	3	
				58907	248.0	251.0	3.0	40	
				58908	251.0	254.0	3.0	44	
				58909	254.0	257.0	3.0	39	
				58910	257.0	260.5	3.5	26	
				N.A.	260.5	263.0	2.5		
				58911	263.0	266.0	3.0	8	
				58912	266.0	269.0	3.0	3	
				58913	276.0	278.0	2.0	5	
			281.0 - 282.5 biotite/po veinlet running parallel to core axis 30% po in veinlet	58914	278.0	281.0	3.0	5	
				58915	281.0	282.5	1.5	47	

[redacted] M[redacted]GC[redacted] [redacted]SC[redacted]CE[redacted] I[redacted]. [redacted]
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE 81

Date: May 30, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton	
				58916	282.5	286.0	3.5	7		
				58917	286.0	290.0	4.0	2		
				N.A.	290.0	292.0	2.0			
				58918	292.0	295.0	3.0	<1		
				58919	295.0	298.0	3.0	<1		
				58920	298.0	301.0	3.0	<1		
				58921	301.0	304.0	3.0	<1		
				58922	304.0	307.0	3.0	38		
				58923	307.0	310.0	3.0	1		
				58924	310.0	313.0	3.0	3		
				58925	313.0	316.0	3.0	1		
				58926	316.0	319.0	3.0	1		
				58927	319.0	322.0	3.0	4		
				58928	322.0	325.0	3.0	3		
				58929	325.0	328.0	3.0	3		
				58930	328.0	331.0	3.0	5		
			331.1 - 331.3 massive and disseminated po 15-20%	58931	331.0	334.0	3.0	6		
				58932	334.0	337.0	3.0	3		
				58933	337.0	340.0	3.0	3		
				58934	340.0	343.0	3.0	4		
				58935	343.0	346.0	3.0	<1		
				58936	346.0	349.0	3.0	3		
				58937	349.0	352.0	3.0	2		
				58938	352.0	355.0	3.0	5		
				58939	355.0	358.0	3.0	3		
				58940	358.0	361.0	3.0	4		
				58941	361.0	364.0	3.0	3		
			364.3 - 366.0 garnet rich up to 1/8" in diameter	58942	364.0	367.0	3.0	26		
				58943	367.0	370.0	3.0	6		
				58944	370.0	373.0	3.0	17		
				58945	373.0	376.0	3.0	5		
				58946	376.0	378.0	2.0	5		
			378.1 - 379.2 disseminated po 3% highly siliceous	58947	378.0	380.0	2.0	6		
			382.2 - 382.6 disseminated po 3%	58948	380.0	383.0	3.0	18		
				58949	383.0	385.0	2.0	31		
			385.2 - 386.0 disseminated po 5%	58950	385.0	386.0	1.0	50		
				58951	386.0	389.0	3.0	37		
				58952	389.0	392.0	3.0	1200		
				58953	392.0	395.0	3.0	140		
				58954	395.0	398.0	3.0	650		
				58955	398.0	400.0	2.0	1300		
			400.2 - 405.5 massive and disseminated po 5-7% total, moderately to heavily siliceous	58956	400.0	402.0	2.0	>10000	1.32	
				58957	402.0	404.0	2.0	9000	0.35	0.59/
				58958	404.0	406.0	2.0	2900	0.11	6.0
				58959	406.0	409.0	3.0	970		
				58960	409.0	412.0	3.0	5		
				58961	412.0	415.0	3.0	6		
				58962	415.0	418.0	3.0	87		
				58963	418.0	421.0	3.0	5		
				58964	421.0	424.0	3.0	5		
				58965	424.0	427.0	3.0	3		
				58966	427.0	430.0	3.0	2		
				58967	430.0	433.0	3.0	4		
				58968	433.0	436.0	3.0	3		

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
				58969	436.0	439.0	3.0	4	
				58970	439.0	442.0	3.0	4	
				58971	442.0	446.0	4.0	5	
				58972	446.0	449.0	3.0	6	
				58973	449.0	452.0	3.0	15	
				58974	452.0	455.0	3.0	32	
				58975	455.0	458.0	3.0	7	
				58976	458.0	461.0	3.0	20	
				58977	461.0	464.0	3.0	47	
				58978	464.0	467.0	3.0	10	
				58979	467.0	470.0	3.0	7	
				58980	470.0	473.0	3.0	5	
				58981	473.0	475.5	2.5	9	
				58982	475.5	477.0	1.5	11	
				58983	477.0	480.0	3.0	6	
				58984	480.0	483.0	3.0	310	
				58985	483.0	486.0	3.0	53	
				58986	486.0	489.0	3.0	5	
				58987	489.0	492.0	3.0	19	
				58988	547.0	550.0	3.0	4	
				58989	550.0	554.0	4.0	8	
				N.A.	554.0	557.0	3.0		
				58990	557.0	580.0	3.0	3	
				58991	580.0	582.5	2.5	8	
			582.6 - 584.0 moderately to heavily silicified, cross-cutting quartz veins at no regular angles; sulfides 1% py as flakes, disseminated po	58992	582.5	584.0	1.5	60	
				58993	584.0	585.5	1.5	11	
				58994	585.5	588.0	2.5	18	
				58995	588.0	591.0	3.0	240	
			584.0 - 585.4 quartz vein, sericite, chloritic along fractures disseminated sulfides mostly py 1% slightly carbonatized	58996	591.0	594.0	3.0	690	
				58997	594.0	597.0	3.0	130	
				N.A.	597.0	606.0	9.0		
				58998	606.0	609.5	3.5	4	
				58999	609.5	610.5	1.0	51	
			609.5 - 610.5 disseminated po 1-2%; garnet rich	59000	610.5	613.0	3.5	2	
				61501	613.0	616.0	3.0	<1	
				61508	616.0	619.0	3.0	3	
				61502	619.0	622.0	3.0	3	
				61503	622.0	625.0	3.0	4	
				61504	625.0	628.0	3.0	3	
				61505	628.0	631.0	3.0	1	
				61506	631.0	634.0	3.0	2	
				61507	634.0	637.0	3.0	1	
				61509	637.0	640.0	3.0	4	
				61510	640.0	643.0	3.0	<1	
				61511	643.0	646.0	3.0	3	
				61512	646.0	649.0	3.0	160	
				61513	649.0	652.0	3.0	1	
				61514	652.0	655.0	3.0	5	
				61515	655.0	658.0	3.0	4	
				61516	658.0	661.0	3.0	7	
				61517	661.0	664.0	3.0	2	
				61518	664.0	667.0	3.0	3	
				61519	667.0	670.0	3.0	4	

MINGOLD RESOURCES INC.
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE #1

Date: May 30, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
			Footage Core Angle Footage Core Angle	61520	670.0	673.0	3.0	2	
			14.0' 49° 530.0' 70°	61521	673.0	676.0	3.0	miss'g	
			32.0' 55° 548.0' 66°	61522	676.0	679.0	3.0	7	
			51.0' 65° 558.0' 64°	61523	679.0	682.0	3.0	8	
			67.0' 45° 568.0' 71°	61524	682.0	685.0	3.0	3	
			82.0' 55° 578.0' 72°	61525	685.0	688.0	3.0	2	
			93.5' 55° 586.0' 58°	61526	688.0	691.0	3.0	7	
			103.0 46° 588.0' 71°	61527	691.0	694.0	3.0	4	
			110.0 50° 592.0' 65°	61528	694.0	697.0	3.0	17	
			124.0' 45° 598.0' 73°	61529	697.0	700.0	3.0	11	
			133.0' 60° 602.0' 69°	61530	700.0	703.0	3.0	19	
			141.0 58° 612.0' 72°	61531	703.0	706.0	3.0	27	
			155.0' 52° 622.0' 72°	61532	706.0	709.0	3.0	12	
			161.0' 40° 632.0' 74°	61533	709.0	712.0	3.0	11	
			172.8' 58° 642.0' 65°	61534	712.0	715.0	3.0	<1	
			181.0' 54° 649.0' 71°	61535	715.0	718.0	3.0	<1	
			190.0' 54° 654.0' 75°	61536	718.0	721.0	3.0	1	
			202.0' 45° 662.0' 75°	61537	721.0	724.0	3.0	<1	
			209.0' 64° 669.0' 78°	61538	724.0	727.0	3.0	1	
			215.0' 46° 677.0' 77°	61539	727.0	730.0	3.0	<1	
			218.0' 50° 687.0 68°						
			226.0' 52° 692.0' 73°						
			232.0' 52° 697.0' 73°						
			244.0' 47° 702.0' 78°						
			250.0' 53° 707.0' 73°						
			260.0' 50° 712.0' 78°						
			270.0' 55° 717.0' 74°						
			280.0' 57° 722.0' 79°						
			290.0' 60° 727.0' 73°						
			300.0' 60°						
			309.0' 55°						
			316.0' 55°						
			326.0' 55°						
			336.0' 60°						
			346.0' 57°						
			356.0' 60°						
			366.0' 60°						
			376.0' 72°						
			386.0' 57°						
			396.0' 60°						
			407.0' 60°						
			417.0' 55°						
			426.0' 65°						
			435.0' 68°						
			448.0' 69°						
			458.0' 50°						
			466.0' 63°						
			482.0' 70°						
			492.0' 70°						
			502.0' 68°						
			512.0' 70°						

MINGOLD RESOURCES INC.
Eastern District

Date: Aug. 8, [redacted]8

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE- 2

CO-ORDINATES: 28+80W 0+25N
COLLAR ELEV.:
AZIMUTH: 150°
ANGLE: -50°S
REMARKS:

CLAIM NO.: 1005353 LOGGED BY: D. Pesce
CORE SIZE: BQ DRILLED BY: Kenora Soil & Drilling
DATE STARTED: May 22, 1988 SECTION: 28+80W
COMPLETED: May 25, 1988 DEPTH: 392'

HOLE SURVEYS (CORRECTED)

DEPTH	DIP	DIRECTION
392'	41½°	

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
0.0	10.0	Casing		N/A	0.0	10.0	3.0	
10.0	392.0	Rhyodacite	medium grey in color, slightly to moderately siliceous and increases in certain areas; slightly chloritic in thin laminae, carbonate veinlets, occasional biotite crystals, occasional garnets; evidence of fragments in core from 1/8" to ½" in diameter, well foliated sulfides present as pyrrhotite (po) and pyrite (py) massive veins of po & py from 1/8" to 2" wide; disseminated sulfides throughout averages about ½% but increases in certain areas. ratio of po:py 4-1	61540	10.0	13.0	3.0	20
				61541	13.0	16.0	3.0	23
				61542	16.0	19.0	3.0	45
				61543	19.0	22.0	3.0	9
				61544	22.0	25.0	3.0	16
				61545	25.0	28.0	3.0	18
			33.0 - 33.9 massive po 5% disseminated 2% disseminated py 1%	61546	28.0	32.0	4.0	8
				61547	32.0	34.0	2.0	16
				61548	34.0	37.0	3.0	16
				61549	37.0	38.0	1.0	29
				61550	38.0	41.0	3.0	<5
				61551	41.0	44.0	3.0	6
				61552	44.0	46.0	2.0	5
				61553	46.0	47.5	1.5	<20
			47.0 - 47.95 disseminated po, py massive po veinlet	61554	47.5	50.5	3.0	5
			50.0 - 51.0 2% disseminated po	61555	50.5	53.0	2.5	7
				61556	53.0	56.0	3.0	<5
				61557	56.0	59.0	3.0	7
				61558	59.0	62.0	3.0	6
				61559	62.0	65.0	3.0	<5
				61560	65.0	68.0	3.0	<5
				61561	68.0	71.0	3.0	<5
				61562	71.0	74.0	3.0	<5
				61563	74.0	77.0	3.0	5
				61564	77.0	80.0	3.0	<5
				61565	80.0	83.0	3.0	25
				61566	83.0	85.0	2.0	10
			89.1 - 89.3 po & py vein	61567	85.0	89.5	4.5	7
				61568	89.5	92.0	2.5	<5
				61569	92.0	95.0	3.0	<5
				61570	95.0	98.0	3.0	8
				61571	98.0	101.0	3.0	21
				61572	101.0	104.0	3.0	<5

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE-2

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
				61573	104.0	107.0	3.0	<5
				61574	107.0	109.5	2.5	<5
			110.0 - 110.7 disseminated po 5% py 1% moderately silicified	61575	109.5	111.0	1.5	6
				61576	111.0	114.0	3.0	<5
				61577	114.0	117.0	3.0	<5
				61578	117.0	120.0	3.0	<5
				61579	120.0	123.0	3.0	<5
				61580	123.0	126.0	3.0	<5
				61581	126.0	129.5	3.5	<5
			130.0 - 130.2 20% massive po disseminated py 1%	61582	129.5	130.5	1.0	7
				61583	130.5	133.0	2.5	<5
				61584	133.0	136.0	3.0	6
				61585	136.0	139.0	3.0	<5
				61586	139.0	142.0	3.0	11
				61587	142.0	144.0	2.0	<5
			144.2 - 144.8 4% disseminated po	61588	144.0	145.0	1.0	<5
				61589	145.0	148.0	3.0	<5
				61590	148.0	149.9	1.9	10
			149.9 - 155.6 4% po 1% py po as narrow veinlets py as disseminated; slightly siliceous	61591	149.9	153.0	3.1	8
				61592	153.0	155.6	2.6	10
				61593	155.6	159.0	3.4	5
				61594	159.0	162.4	3.4	15
			162.4 - 164.5 same as 149.9 - 155.6	61595	162.4	164.5	2.1	33
			166.3 - 168.5 5-7% total sulfides 5% po 2% py CA @ 167.4 48°	61596	164.5	167.0	2.5	10
				61597	167.0	168.5	1.5	37
			170.0 - 173.2 4% po 1% py po as small veinlets py found throughout po veinlets moderately to heavily siliceous from 172.0 - 173.2 quartz-carb veinlet @ 130° to core axis CA @ 170.2 33°	61598	168.5	170.0	1.5	36
				61599	170.0	173.2	3.2	78
				61600	173.2	176.0	2.8	10
				61601	176.0	179.0	3.0	11
				61602	179.0	182.0	3.0	244
				61603	182.0	185.0	3.0	18
			180.6 ¼" qtz vein trace po & py CA 47°	61604	185.0	188.0	3.0	19
			186.2 - 186.5 5% disseminated po <1% py CA 44°	61605	188.0	192.0	4.0	
				61606	192.0	195.0	3.0	<5
				61607	195.0	198.5	3.5	<5
			198.5 - 199.5 1/8" to ¼" veinlet with biotite, sulfides & qtz cross cutting core @ 5° to core axis slight alteration halo around vein	61608	198.5	199.5	1.0	5
				61609	199.5	203.0	3.5	10
				61610	203.0	204.8	1.8	13
				61611	204.8	206.0	1.2	25
			204.8 - 206.0 7-10% po po vein @ 205.5 - 205.6 CA 47°	61612	206.0	209.0	3.0	54
				61613	209.0	211.0	2.0	85
				61614	211.0	215.0	4.0	52
				61615	215.0	218.0	3.0	16
				61616	218.0	221.0	3.0	6
			221.8 - 221.85 po veinlet CA 40°	61617	221.0	224.0	3.0	<5
				61618	224.0	227.0	3.0	<5
				61619	227.0	230.0	3.0	<5
			239.9 - 240.0 narrow qtz veinlet with small carb blebs trace py. vein cuts core @ 5° to core axis	61620	230.0	235.0	5.0	76
				61621	235.0	239.9	4.9	69
				61622	239.9	240.9	1.0	82

MINGOLD RESOURCES INC.
Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE - 2

Date: Aug. 8, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb
				61623	240.9	244.0	3.1	7
				61624	244.0	247.0	3.0	<5
				61625	247.0	250.0	3.0	<5
				61626	250.0	252.0	2.0	<5
			252.0 to 254.5 moderately to heavily siliceous; 25% po 3% py CA 44°	62627	252.0	254.5	2.5	45
				62628	254.5	257.0	2.5	81
				62629	257.0	260.0	3.0	6
				62630	260.0	263.0	3.0	<5
			271.6 - 272.0 narrow qtz vein cross cutting core trace sulfides 1% & biotite	62631	263.0	266.0	3.0	12
				62632	266.0	269.0	3.0	<5
			274.0 - 274.3 60% po 5% py moderately siliceous CA 45°	62633	269.0	272.0	3.0	5
				62634	272.0	274.0	2.0	<5
			274.8 - 274.9 60% po 5% py moderately siliceous CA 36°	62635	274.0	276.0	2.0	5
				62636	276.0	279.0	3.0	72
			280.4 - 282.1 23% po 5% py moderately siliceous CA 37°	62637	279.0	282.1	3.1	26
				62638	282.1	285.0	2.9	13
			285.4 - 286.6 20% po 5% py moderately siliceous CA 45°	62639	285.0	287.0	2.0	15
				62640	287.0	289.0	2.0	7
			289.1 - 289.2 po veinlet CA 47°	62641	289.0	292.2	3.2	<5
			290.2 1/8" po veinlet CA 50°	62642	292.2	295.0	2.8	<5
			291.8 - 292.3 60% massive po CA 45°	62643	295.0	302.0	7.0	<5
			299.3 - 300.3 10% po found in small blebs CA 45°	61644	302.0	304.0	2.0	<5
			309.1 - 309.2 po veinlet CA 38°	61645	305.0	307.0	3.0	<5
			310.3 - 310.7 po vein 60% po HW contact @ 48° FW contact @ 55°	61646	307.0	309.0	2.0	<5
				61647	309.0	312.0	3.0	77
			314.85- 315.0 po veinlet	61648	312.0	314.0	2.0	11
			316.8 - 316.85 po veinlet CA 43°	61649	314.0	317.0	3.0	16
			318.2 - 318.6 5% po	61650	317.0	319.0	2.0	32
			319.2 - 319.4 5% po CA 35°	61651	319.0	322.0	3.0	<5
			320.6 - 320.7 po veinlet CA 44°	61652	322.0	324.0	2.0	8
			322.0 - 324.5 5% sulfides in wispy laminae; slightly to moderately siliceous CA 46°	61653	324.0	325.0	1.0	60
				61654	325.0	327.0	2.0	9
				61655	327.0	329.0	2.0	18
			325.8 - 325.85 po veinlet CA 44°	61656	329.0	330.0	1.0	231
			326.0 - 326.05 po veinlet	61657	330.0	332.0	2.0	105
			326.7 - 327.0 5-7% po, moderately siliceous	61658	332.0	335.0	3.0	8
			327.8 - 329.0 10% disseminated po. CA 52°	61659	335.0	338.0	3.0	<5
			329.3 - 330.0 highly siliceous, 10-12% po 2-3% py moderately chloritic HW contact @ 65° FW contact @ 55°	61660	338.0	341.0	3.0	<5
				61661	341.0	344.0	3.0	<5
				61662	344.0	347.0	3.0	<5
			330.5 - 332.5 narrow veinlet containing py and biotite running parallel to core axis some disseminated po around veinlet	61663	347.0	350.0	3.0	<5
				61664	350.0	353.5	3.5	<5
				61665	353.5	356.0	2.5	12
				61666	356.0	359.0	3.0	20
				61667	359.0	361.0	2.0	<5
				61668	361.0	364.0	3.0	26
				N.A.	364.0	372.0	8.0	
			Core angles averaged over 100' intervals	61669	372.0	375.0	3.0	<5
	392.0	E.O.H.	0 - 100' CA average 41.6°	61670	375.0	378.5	3.5	<5
			101 - 200' CA average 42.5°	N.A.	378.5	392.0	13.5	
			201 - 300' CA average 44.0°					
			301 - 392' CA average 50.0°					

Fred Brinson per D.P.

[redacted] MANGOLD RESOURCES INC. [redacted]
Eastern District

Date: Aug. 9, 1988
Page 1 of 3

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE - 83

CO-ORDINATES: 28+60W 3+70S
COLLAR ELEV.:
AZIMUTH: 150°
ANGLE: -45°S
REMARKS:

CLAIM NO.: 1005353
CORE SIZE: BQ
DATE STARTED: May 27, 1988
COMPLETED: May 30, 1988

LOGGED BY: D. Pesce
DRILLED BY: Kenora Soil & Drilling
SECTION: 28+60
DEPTH: 402'

HOLE SURVEYS (CORRECTED)
DEPTH DIP DIRECTION
402' 41½°

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION
0.0	10.0	Casing	
10.0	402.0	Rhyodacite	medium grey in color, slightly fragmental, moderately siliceous but increases to heavily siliceous in certain sections. Visible garnets, reddish in color; carbonate veinlets, qtz carb veinlets, slightly chloritic; well foliated sulfides average ½-1% overall but increases in areas. pyrrhotite (po) and pyrite (py) 13.0 - 20.0 fractured, weathered core showing rust staining along fractures some po & py visible CA 40° 27.0 - 30.5 5% po 2% py CA 40° 36.0 - 37.2 qtz vein;slightly chloritic 1% sulfides found along fractures and in blebs; some rust staining near FW contact HW @ 60° FW @65° 43.9 - 44.1 qtz vein 2% py CA 40° 59.0 - 59.3 2% po in wispy laminae CA 38° 87.9 ¼" po veinlet CA 43° 98.9 ¼" po veinlet CA 48° 107.5 -108.9 heavily silicified section trace sulfides 110.6 -111.2 narrow veinlets containing garnets in a sericite matrix; 2% po CA 47° 112.8 - 113.2 as in 110.6 - 111.2 125.2 ¼" po veinlet CA 47° 126.0 ½" po veinlet CA 45° 129.3 - 129.4 po & py veinlet 130.1 ¼" po veinlet 130.8 - 131.2 po vein 30% CA 53° 132.1 ¼" po veinlet CA 48° 155.5 1/8" po veinlet CA 47° 163.35 -164.1 3.5% disseminated po 165.5 - 167.0 2% disseminated po CA 54° 169.3 - 169.75 2% disseminated po CA 46%

SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au ppb	Au oz/ton
N.A.	10.0	13.0	3.0		
61671	13.0	16.0	3.0	11	
61672	16.0	20.0	4.0	<5	
N.A.	20.0	25.0	5.0		
61673	25.0	27.8	2.8	<5	
61674	27.8	30.5	2.7	5	
61675	30.5	33.5	2.5	<5	
61676	33.0	36.0	3.0	168	
61677	36.0	37.2	1.2	1361	0.074
61678	37.2	40.0	2.8	377	
61679	40.0	43.0	3.0	60	
61684	43.5	44.5	1.0	<5	
N.A.	44.5	58.5	14.0		
61685	58.5	60.0	1.5	15	
N.A.	60.0	82.0	22.0		
61686	82.0	85.0	3.0	<5	
N.A.	85.0	87.0	2.0		
61687	87.0	89.0	2.0	<5	
N.A.	89.0	98.0	9.0		
61688	98.0	100.0	2.0	<5	
N.A.	100.0	107.5	7.5		
61680	107.5	108.9	1.4	<5	
61681	108.9	110.0	1.1	<5	
61682	110.0	112.0	2.0	9	
61683	112.0	114.0	2.0	27	
N.A.	114.0	122.0	8.0		
61692	122.0	124.0	2.0	<5	
61689	124.0	127.0	3.0	<5	
N.A.	127.0	129.0	2.0		
61690	129.0	132.0	3.0	68	
61691	132.0	135.0	3.0	<5	
61693	135.0	139.0	4.0	<5	
N.A.	139.0	142.0	3.0		
61694	142.0	143.0	1.0	<5	
N.A.	143.0	154.0	11.0		
61695	154.0	156.5	2.5	<5	
61696	156.5	162.0	6.5	<5	
61696	162.0	165.0	3.0	<5	
61697	165.0	168.0	3.0	<5	
61698	168.0	171.0	3.0	<5	
N.A.	171.0	188.0	17.0		

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE #3

Date: Aug. 9, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSAYS Au ppb	ASSAYS Au oz/ton
			189.0 - 189.3 20% po CA 50°	61699	188.0	191.0	3.0	<5	
			189.95 ¼" po veinlet CA 55°	61700	191.0	194.0	3.0	<5	
			189.0 - 191.5 narrow 1/8" carbonate veinlet	62126	194.9	196.0	2.0	<5	
			running parallel to core axis; shows	N.A.	196.0	199.0	3.0		
			slight folding	62127	199.0	202.0	3.0	<5	
			197.1 ¼" po veinlet CA 56°	62128	202.0	205.0	3.0	<5	
			199.6 - 199.8 30% po CA 52°	62129	205.0	208.0	3.0	72	
			204.4 - 204.6 10% po CA 54°	62130	208.0	211.0	3.0	20	
			206.4 - 207.0 5% po 5% py; moderately to heavily	N.A.	211.0	218.0	9.0		
			siliceous CA 46°	62131	218.0	221.0	3.0	70	
			208.8 - 209.0 qtz-carb vein showing folding	62132	221.0	224.0	3.0	545	0.005
			210.5 - 210.6 qtz carb vein sulfides 1% CA 57°	62133	224.0	226.0	2.0	8	
			212.3 po veinlet CA 50°	62134	226.0	229.0	3.0	<5	
			218.5 - 270.3 moderately to heavily silicified	62135	229.0	232.0	3.0	17	
			section some qtz-carb veinlets	N.A.	232.0	237.0	5.0		
			py about 2% FW contact @ 40°	62136	237.0	239.0	2.0	9986	0.173
			HW contact @ 50°	62137	239.0	241.0	2.0	490	
			224.5 - 225.0 5% po CA 45°	62138	241.0	244.0	3.0	12	
			229.2 - 230.0 5% po, moderately siliceous CA 49°	62139	244.0	246.0	2.0	5	
			237.3 - 238.4 5% po, moderately siliceous CA 55°	62140	246.0	249.0	3.0	240	
			242.2 - 243.5 qtz carb vein showing folding, trace	62141	249.0	252.0	3.0	3579	0.085
			sulfides, moderately chloritic	N.A.	252.0	254.0	2.0		
			247.6 - 247.8 qtz vein of 2% po CA 55°	62142	254.0	257.0	3.0	99	
			249.9 - 250.9 highly siliceous section 3% po 3% py	62143	257.0	259.0	2.0	1439	0.030
			CA 55°	62144	259.0	261.0	2.0	40	
			258.5 - 259.7 3-5% po garnet rich CA 50°	N.A.	261.0	280.0	19.0		
				62145	280.0	282.0	2.0	<5	
				N.A.	282.0	286.0	4.0		
				62146	286.0	288.5	2.5	<5	
				N.A.	288.5	294.0	3.5		
			294.3 - 294.4 qtz vein, trace sulfides	62147	294.0	296.0	2.0	109	
				N.A.	296.0	307.0	11.0		
			307.6 - 307.8 qtz carb vein trace sulfides, CA 43°	62148	307.0	309.0	2.0	<5	
			309.2 - 310.5 2% po garnet rich near HW & FW	62149	309.0	311.0	2.0	6	
			sections CA 55°	62150	311.0	312.5	1.5	<5	
			312.8 - 313.1 qtz vein trace sulfides CA 56°	62151	312.5	313.5	1.0	355	
				62152	313.5	316.0	2.5	7276	0.136
				62153	316.0	319.0	3.0	5	
				62154	319.0	322.0	3.0	<5	
				N.A.	322.0	332.0	10.0		
			332.2 - 333.1 sub rounded qtz-carb phenocrysts in	62155	332.0	334.0	2.0	<5	
			core; trace sulfides	62156	334.0	337.0	3.0	<5	
				62157	337.0	340.0	3.0	<5	
				62158	340.0	342.0	2.0	<5	
			343.0 - 343.1 po veinlet CA 50°	62159	342.0	344.0	2.0	<5	
				N.A.	344.0	350.0	6.0		
			351.8 - 352.0 sulfide, biotite veinlet (1/16" wide)	62160	350.0	353.0	3.0	141	
			cutting across foliation @ 43°	62161	353.0	355.5	2.5	35	
			355.85-359.8 20% po 5% py, garnet moderately	62162	355.5	359.5	4.0	242	
			chloritic FW @ 55° HW @ 45°	62163	359.5	362.0	2.5	<5	
				N.A.	362.0	366.5	4.5		

[redacted] Eastern District

PROJECT: ABERNETHY LAKE DRILL HOLE NO. ABE #3

Date: Aug. 9, 1988

DEPTH FROM	DEPTH TO	ROCK TYPE	DESCRIPTION	SAMPLE No.	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	ASSA Au ppb	ASSA Au oz/ton
			360.8 - 367.5 qtz vein 5% po 1% py sulfides found along fractures and as belbs CA 45°	62164	366.0	367.5	1.0	<5	
				62165	367.5	370.0	2.5	<5	
			367.5 - 370.0 10% po, moderately chloritic garnet rich trace py	62166	370.0	373.0	3.0	<5	
				62167	373.0	376.0	3.0	<5	
			373.0 - 382.0 magnetite found along contacts; garnets CA between 53° to 55°	62168	376.0	379.0	3.0	<5	
				62169	379.0	381.0	2.0	<5	
	402.0	E.O.H.	Core angles averaged over 100'	N.A.	381.0	402.0	21.0		
			0 - 100' 46.5°						
			101 - 200' 47.0°						
			201 - 300' 52.1°						
			301 - 401' 53.2						

[redacted] per D.P.

APPENDIX II

ANALYTICAL RESULTS AND COSTS

X-RAY ASSAY LABORATORIES AND BONDAR-CLEGG & CO. LTD.

Part A - Analytical Results

Part B - Analytical Charges

XRAL

CERTIFICATE OF ANALYSIS

REPORT 5164

TO: MINGOLD RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT
THUNDER BAY, ONTARIO
P7B 5Z4

CUSTOMER No. 1439

DATE SUBMITTED
24-May-88

REF. FILE 1471-K3

Total Pages 3

133 W.CORES Proj. ABE-1

	METHOD	DETECTION LIMIT
AU PPB	FADCP	1.
CU PPM	DCP	0.5
ZN PPM	DCP	0.5
AS PPM	FAA	0.1
AG PPM	DCP	0.5

X-RAY ASSAY LABORATORIES LIMITED

DATE 14-JUN-88

CERTIFIED BY .....

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM	AG PPM
58523	9	41.0	49.0	1.0	<0.5
58524	9	47.0	54.0	0.9	<0.5
58525	320	43.0	52.0	1.0	<0.5
58526	240	29.0	36.0	1.3	<0.5
58527	320	53.0	32.0	1.4	<0.5
58528	170	38.0	49.0	1.4	<0.5
58529	140	40.0	50.0	1.3	<0.5
58530	2	41.0	62.0	0.6	<0.5
58531	21	42.0	44.0	1.0	<0.5
58532	8	34.0	61.0	0.8	<0.5
58533	4	47.0	49.0	0.8	<0.5
58534	97	51.0	65.0	0.9	<0.5
58535	2	33.0	45.0	0.7	<0.5
58536	14	20.0	38.0	0.8	<0.5
58537	4300	38.0	36.0	0.9	<0.5
58538	4	18.0	36.0	0.7	<0.5
58539	7	28.0	35.0	0.8	<0.5
58540	7	29.0	32.0	0.9	<0.5
58541	950	27.0	39.0	2.0	<0.5
58542	52	40.0	42.0	2.2	<0.5
58543	9	20.0	34.0	4.9	<0.5
58544	48	18.0	41.0	15.0	<0.5
58545	210	44.0	70.0	83.0	<0.5
58546	10	26.0	30.0	8.3	<0.5
58547	82	18.0	41.0	37.0	<0.5
58548	8	28.0	41.0	2.0	<0.5
58549	3	36.0	38.0	1.0	<0.5
58550	7	27.0	41.0	2.1	<0.5
58551	2	29.0	46.0	0.6	<0.5
58552	37	23.0	43.0	37.0	0.5
58553	5	18.0	37.0	1.3	<0.5
58554	2	24.0	39.0	1.6	<0.5
58555	3	14.0	31.0	1.3	<0.5
58556	3	23.0	31.0	5.6	<0.5
58557	<1	23.0	36.0	1.3	<0.5
58558	3	30.0	41.0	1.6	<0.5
58559	38	28.0	31.0	1.1	<0.5
58560	210	29.0	24.0	2.3	<0.5
58561	92	34.0	32.0	2.6	0.5
58562	120	31.0	34.0	3.7	<0.5
58563	390	17.0	37.0	4.3	<0.5
58564	24	29.0	47.0	0.9	<0.5
58565	82	30.0	47.0	1.2	<0.5
58566	66	19.0	53.0	0.7	<0.5
58567	2	16.0	44.0	0.8	<0.5
58568	17	23.0	38.0	0.7	<0.5
58569	96	25.0	57.0	0.8	<0.5
58570	13	18.0	44.0	0.9	<0.5
58571	69	28.0	54.0	0.6	<0.5
58572	23	14.0	51.0	0.6	<0.5

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM	AG PPM
58573	9	11.0	73.0	0.9	<0.5
58574	92	66.0	690.	0.8	1.5
58575	20	27.0	49.0	0.6	<0.5
58576	11	17.0	67.0	0.7	<0.5
58577	2	20.0	47.0	1.2	<0.5
58578	10	35.0	53.0	0.7	<0.5
58579	2	42.0	56.0	0.9	0.5
58580	42	21.0	51.0	1.0	<0.5
58581	13	21.0	50.0	1.0	<0.5
58582	12	33.0	47.0	1.3	<0.5
58583	300	39.0	28.0	2.9	<0.5
58584	64	31.0	27.0	2.1	<0.5
58585	7	23.0	39.0	2.0	<0.5
58586	2	44.0	58.0	3.4	<0.5
58587	4	36.0	54.0	4.0	<0.5
58588	<1	45.0	53.0	2.6	<0.5
58589	25	29.0	46.0	2.6	<0.5
58590	1	35.0	53.0	0.9	<0.5
58591	<1	35.0	46.0	1.0	<0.5
58592	6	38.0	47.0	1.1	<0.5
58593	<1	33.0	41.0	1.1	<0.5
58594	<1	33.0	47.0	1.0	<0.5
58595	76	40.0	42.0	2.0	<0.5
58596	5	32.0	45.0	1.2	<0.5
58597	2100	51.0	64.0	0.7	<0.5
58598	61	31.0	60.0	0.9	<0.5
58599	450	39.0	62.0	0.8	<0.5
58600	230	25.0	44.0	1.0	<0.5
58901	16	39.0	61.0	1.0	<0.5
58902	<1	38.0	46.0	1.8	<0.5
58903	340	28.0	54.0	2.1	<0.5
58904	3	40.0	49.0	4.6	<0.5
58905	1	41.0	46.0	1.1	<0.5
58906	3	25.0	39.0	1.0	<0.5
58907	40	28.0	29.0	0.9	<0.5
58908	44	18.0	38.0	1.1	<0.5
58909	39	28.0	34.0	1.0	<0.5
58910	26	42.0	34.0	2.6	<0.5
58911	8	36.0	22.0	4.0	<0.5
58912	3	41.0	19.0	2.0	<0.5
58913	5	41.0	17.0	3.5	<0.5
58914	5	27.0	24.0	2.2	<0.5
58915	47	61.0	26.0	2.4	<0.5
58916	7	28.0	33.0	1.1	<0.5
58917	2	27.0	23.0	3.5	<0.5
58918	<1	41.0	43.0	2.7	<0.5
58919	<1	34.0	54.0	2.7	<0.5
58920	<1	45.0	51.0	1.0	<0.5
58921	<1	47.0	53.0	1.1	<0.5
58922	38	37.0	51.0	2.7	<0.5

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM	AG PPM
58923	1	34.0	52.0	4.0	<0.5
58924	3	63.0	27.0	2.7	<0.5
58925	1	42.0	34.0	1.6	<0.5
58926	1	54.0	33.0	2.3	<0.5
58927	4	42.0	44.0	1.4	<0.5
58928	3	41.0	47.0	1.1	<0.5
58929	3	33.0	42.0	1.1	<0.5
58930	5	53.0	65.0	0.7	0.5
58931	6	59.0	51.0	1.2	<0.5
58932	3	57.0	42.0	1.7	<0.5
58933	3	49.0	64.0	1.2	<0.5
58934	4	59.0	57.0	1.2	<0.5
58935	<1	46.0	59.0	2.7	<0.5
58936	3	50.0	50.0	1.2	0.5
58937	2	48.0	57.0	1.2	0.5
58938	5	43.0	49.0	2.3	<0.5
58939	3	47.0	49.0	2.0	<0.5
58940	4	53.0	69.0	2.0	<0.5
58941	3	41.0	60.0	2.3	0.5
58942	26	32.0	55.0	1.3	<0.5
58943	6	35.0	64.0	0.5	<0.5
58944	17	34.0	52.0	1.1	<0.5
58945	5	36.0	40.0	3.2	<0.5
58946	5	44.0	53.0	6.7	<0.5
58947	6	60.0	52.0	2.7	<0.5
58948	18	44.0	54.0	2.7	<0.5
58949	31	36.0	50.0	2.7	<0.5
58950	50	62.0	61.0	2.2	0.5
58951	37	35.0	50.0	5.2	<0.5
58952	1200	39.0	47.0	1.6	<0.5
58953	140	30.0	57.0	8.5	<0.5
58954	650	36.0	53.0	16.0	0.5
58955	1300	29.0	53.0	2.4	0.5

KRAL

CERTIFICATE OF ANALYSIS

REPORT 5312

TO: MINGOLD RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT
THUNDER BAY, ONTARIO
P7B 5Z4

CUSTOMER No. 1439

DATE SUBMITTED
30-May-88

REF. FILE 1514-E2

Total Pages 3

15 ROCKS, 88 W.CORES Proj. ABE-1

	METHOD	DETECTION LIMIT
AU PPB	FADCP	1.
AU OZ/TON	FA	0.001
CU PPM	DCP	0.5
ZN PPM	DCP	0.5
AS PPM	FAA	0.1
AG PPM	DCP	0.5

ARCHIVE 11 samples
OTHERS 14

X-RAY ASSAY LABORATORIES LIMITED

DATE 27-JUN-88

CERTIFIED BY .....

SAMPLE	AU PPB	AU OZ/TON	CU PPM	ZN PPM	AS PPM	AG PPM
58663	33	--	--	--	84.0	0.5
58664	170	--	--	--	440.	3.0
58665	>10000	0.370	--	--	1100.	11.0
58666	3700	0.120	--	--	10000.	12.0
58667	30	--	--	--	40.0	0.5
58668	66	--	--	--	76.0	<0.5
58669	15	--	--	--	14.0	<0.5
58670	200	--	--	--	120.	1.5
58671	1400	0.038	--	--	40.0	6.0
58672	170	--	--	--	220.	<0.5
58673	23	--	--	--	780.	<0.5
58674	6	--	--	--	36.0	1.0
58675	37	--	--	--	1400.	5.5
58676	5	--	--	--	1.1	1.5
58956	>10000	1.320	67.0	63.0	1.2	2.5
58957	9000	0.350	55.0	62.0	1.2	1.0
58958	2900	0.110	24.0	54.0	0.8	0.5
58959	970	--	35.0	65.0	9.8	1.0
58960	5	--	49.0	69.0	62.0	1.0
58961	6	--	44.0	70.0	55.0	1.0
58962	87	--	39.0	83.0	38.0	0.5
58963	5	--	26.0	62.0	27.0	0.5
58964	5	--	41.0	78.0	17.0	1.0
58965	3	--	33.0	81.0	44.0	0.5
58966	2	--	30.0	60.0	63.0	<0.5
58967	4	--	51.0	64.0	76.0	<0.5
58968	3	--	36.0	63.0	54.0	<0.5
58969	4	--	36.0	110.	22.0	<0.5
58970	4	--	30.0	71.0	24.0	<0.5
58971	5	--	36.0	78.0	25.0	<0.5
58972	6	--	36.0	59.0	25.0	<0.5
58973	15	--	47.0	72.0	12.0	0.5
58974	32	--	33.0	85.0	60.0	<0.5
58975	7	--	33.0	65.0	14.0	<0.5
58976	20	--	47.0	89.0	4.8	0.5
58977	47	--	37.0	84.0	4.4	<0.5
58978	10	--	44.0	110.	8.2	0.5
58979	7	--	34.0	75.0	22.0	0.5
58980	5	--	39.0	71.0	9.2	<0.5
58981	9	--	34.0	64.0	8.7	<0.5
58982	11	--	36.0	86.0	2.8	<0.5
58983	6	--	30.0	67.0	11.0	<0.5
58984	310	--	26.0	56.0	2.5	<0.5
58985	53	--	37.0	74.0	2.5	<0.5
58986	5	--	33.0	64.0	13.0	0.5
58987	19	--	38.0	75.0	6.9	<0.5
58988	4	--	39.0	64.0	0.7	1.5
58989	8	--	43.0	75.0	0.4	1.0
58990	3	--	40.0	71.0	0.9	0.5
58991	8	--	40.0	68.0	3.2	<0.5

NOT ABERNETHY

ARE -

> - CONCENTRATION TOO HIGH FOR GEOCHEMICAL ANALYSIS

SAMPLE	AU PPB	AU OZ/TON	CU PPM	ZN PPM	AS PPM	AG PPM
58992	60	--	25.0	48.0	3.2	<0.5
58993	11	--	6.5	25.0	3.6	<0.5
58994	18	--	41.0	91.0	1.2	<0.5
58995	240	--	32.0	330.	3.8	<0.5
58996	690	--	33.0	90.0	4.4	0.5
58997	130	--	28.0	83.0	3.4	0.5
58998	4	--	36.0	84.0	0.6	0.5
58999	51	--	34.0	100.	1.8	<0.5
59000	2	--	40.0	78.0	4.0	0.5
61501	<1	--	40.0	70.0	2.9	<0.5
61502	3	--	38.0	85.0	2.8	<0.5
61503	4	--	33.0	65.0	4.4	<0.5
61504	3	--	43.0	62.0	2.9	<0.5
61505	1	--	43.0	71.0	2.8	<0.5
61506	2	--	30.0	49.0	4.8	<0.5
61507	1	--	45.0	56.0	1.3	<0.5
61508	3	--	37.0	64.0	2.9	<0.5
61509	4	--	39.0	62.0	2.9	<0.5
61510	<1	--	39.0	70.0	2.0	<0.5
61511	3	--	40.0	65.0	2.9	<0.5
61512	160	--	37.0	56.0	2.5	<0.5
61513	1	--	40.0	56.0	1.2	<0.5
61514	5	--	37.0	65.0	1.3	<0.5
61515	4	--	40.0	63.0	1.2	<0.5
61516	7	--	37.0	80.0	1.1	<0.5
61517	2	--	36.0	67.0	0.5	<0.5
61518	3	--	39.0	66.0	0.6	<0.5
61519	4	--	39.0	69.0	3.8	<0.5
61520	2	--	36.0	70.0	0.4	<0.5
61521	SMP MISS	--	SMP MISS	SMP MISS	SMP MISS	SMP MISS
61522	7	--	39.0	74.0	0.5	<0.5
61523	8	--	40.0	63.0	0.7	<0.5
61524	3	--	40.0	68.0	0.6	<0.5
61525	2	--	39.0	67.0	0.9	<0.5
61526	7	--	39.0	63.0	0.9	<0.5
61527	4	--	39.0	64.0	1.2	<0.5
61528	17	--	32.0	63.0	1.6	<0.5
61529	11	--	40.0	67.0	2.2	<0.5
61530	19	--	33.0	58.0	1.7	<0.5
61531	27	--	22.0	61.0	1.4	<0.5
61532	12	--	41.0	74.0	1.5	<0.5
61533	11	--	35.0	75.0	1.7	<0.5
61534	<1	--	32.0	52.0	0.8	<0.5
61535	<1	--	27.0	51.0	0.6	<0.5
61536	1	--	24.0	45.0	0.8	<0.5
61537	<1	--	27.0	56.0	0.7	<0.5
61538	1	--	32.0	52.0	0.4	<0.5
61539	<1	--	28.0	65.0	0.3	<0.5
61540	SMP MISS	--	SMP MISS	SMP MISS	SMP MISS	SMP MISS
62120	1	--	21.0	67.0	0.4	<0.5

SMP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB	AU OZ/TON	CU PPM	ZN PPM	AS PPM	AG PPM
62121	5	--	24.0	31.0	2.8	<0.5
62122	9	--	18.0	52.0	4.2	<0.5
62123	1	--	25.0	53.0	1.1	<0.5
62124	<1	--	18.0	63.0	2.2	<0.5
62125	42	--	63.0	130.	1.0	<0.5

ALTERNATE SURFACE ROCKS

XRAL

CERTIFICATE OF ANALYSIS

REPORT 5453

TO: MINGOLD RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT
THUNDER BAY, ONTARIO
P7B 5Z4

CUSTOMER No. 1439

DATE SUBMITTED
30-Jun-88

REF. FILE 1891-PH

Total Pages 1

5 PULPS RE: WO# 1471,1514

	METHOD	DETECTION LIMIT
AU OZ/TON	FA	0.001

DATE 08-JUL-88

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

SAMPLE	AU OZ/TON
58952	0.058
58953	0.005
58954	0.038
58955	0.032
58959	0.040

BONDAR-CLEGG

May 30, 1988

Bondar-Clegg is pleased to offer the following analytical services:

Soil Samples

Sample Preparation

1. The entire field sample will be dried at 60 oC.

2. The dried material will be screened for the -80 mesh particle fraction.

3. The -80 mesh fraction will be homogenized, bagged and labelled.

Geochemical Analysis

1. Determination of Au using Fire Assay Lead Collection-Flame Atomic Absorption measurement, test sample weight of 30 g, detection level of 5 ppb.

2. Determination of Ag, Cu, Pb, Zn and As using a HNO3/HCl extraction-Direct Current Plasma Emission measurement, detection levels of 0.5, 1, 1, 1 and 5 ppm.

Rock Samples

Sample Preparation

1. The entire field sample will be reduced to -10 mesh using Jaw and Cone Crushers.

2. A 300 g representative split of the -10 mesh material will be obtained using a Jones Riffle Splitter.

3. The representative split will be pulverized to -150 mesh using a ring and puck pulverizer.

4. The pulverized material will be homogenized, bagged and labelled.

Geochemical Analysis

1. Determination of Au using Fire Assay Lead Collection-Flame Atomic Absorption measurement, test sample weight of 30 g, detection level of 5 ppb.

2. Determination of Ag, Cu, Pb, Zn and As using a HNO3/HCl extraction-Direct Current Plasma Emission measurement, detection levels of 0.5, 1, 1, 1 and 5 ppm.

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

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Geochemical Lab Report

REPORT: 088-51074.0 (COMPLETE)

REFERENCE INFO: HOLE ABE-2

CLIENT: MINGOLD RESOURCES
PROJECT: NONE

SUBMITTED BY:
DATE PRINTED: 29-JUN-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Cu	Copper	204	1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
2	Zn	Zinc	204	1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
3	Ag	Silver	204	0.1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
4	As	Arsenic	135	2 PPM	HNO3-HClO4	Colourimetric
5	Au	Gold	204	5 PPB	AQUA REGIA	FA-AA @ 10 gm weight
6	Pb	Lead	204	2 PPM	HCl-HNO3, (1:3)	Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	204	-200	204	Crush,Pulverize -200	205

REMARKS: SOIL SAMPLES ARE IN ORDER 088-51082.0
SAMPLES 61671 TO 61700, 62126 TO 62169 WERE RECEIVED EXTRA.
SAMPLES 61604 D AND 61605 D WERE ACCIDENTLY COMBINED DURING SAMPLE PREPARATION.
FIVE SAMPLES WERE RE-ANALYZED FOR AU. THE ADDITIONAL RESULTS ARE AS FOLLOWS:
61677D 7690 PPB, 62136D 8930 PPB,
62141D 1750 PPB, 62143D 1135 PPB,
62152D 7060 PPB. < MEANS LESS THAN

REPORT COPIES TO: 935 COBALT CRES.
FAX TO GERRY SIDWELL

INVOICE TO: 935 COBALT CRES.

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Geochemical Lab Report

REPORT: 080-51074.0

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	Pb PPM
61540 D		47	26	<0.1	3	20	6
61541 D		35	23	<0.1	2	23	4
61542 D		36	40	<0.1	<2	45	4
61543 D		43	34	0.1	<2	9	4
61544 D		44	19	<0.1	2	16	4
61545 D		61	25	<0.1	<2	18	5
61546 D		43	30	0.1	3	8	4
61547 D		48	27	0.1	4	16	4
61548 D		25	41	0.1	2	16	5
61549 D		55	60	0.2	<2	29	4
61550 D		23	48	0.2	<2	<5	4
61551 D		32	46	0.1	<2	6	4
61552 D		28	48	<0.1	<2	<5	5
61553 D		61	88	0.4	<2	20	7
61554 D		33	42	<0.1	<2	5	4
61555 D		34	46	<0.1	<2	7	4
61556 D		37	48	<0.1	<2	<5	3
61557 D		34	52	<0.1	2	7	5
61558 D		39	39	<0.1	<2	6	5
61559 D		34	46	<0.1	<2	<5	4
61560 D		35	41	<0.1	2	<5	3
61561 D		22	36	<0.1	2	<5	4
61562 D		35	44	<0.1	<2	<5	4
61563 D		35	42	<0.1	2	5	4
61564 D		37	48	<0.1	<2	<5	4
61565 D		27	60	<0.1	2	25	6
61566 D		34	52	<0.1	<2	10	4
61567 D		36	46	<0.1	3	7	4
61568 D		23	32	<0.1	<2	<5	5
61569 D		26	32	<0.1	3	<5	7
61570 D		45	40	<0.1	<2	8	5
61571 D		49	39	<0.1	<2	21	3
61572 D		38	35	<0.1	2	<5	4
61573 D		52	42	<0.1	<2	<5	3
61574 D		40	41	<0.1	2	<5	5
61575 D		80	44	0.2	8	6	8
61576 D		39	54	<0.1	3	<5	5
61577 D		36	44	<0.1	5	<5	3
61578 D		41	48	<0.1	<2	<5	5
61579 D		40	37	<0.1	4	<5	4

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Geochemical Lab Report

REPORT: 088-51074.0 | PROJECT: NONE | PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	Pb PPM
61580 D		38	49	<0.1	3	<5	4
61581 D		37	39	<0.1	4	<5	12
61582 D		51	40	0.1	4	7	12
61583 D		31	36	<0.1	3	<5	19
61584 D		33	42	<0.1	3	6	6
61585 D		44	47	<0.1	2	<5	5
61586 D		39	37	<0.1	4	11	9
61587 D		37	25	<0.1	3	<5	5
61588 D		88	28	0.1	3	<5	6
61589 D		43	34	<0.1	4	<5	5
61590 D		36	32	<0.1	2	10	5
61591 D		43	49	0.2	<2	8	9
61592 D		45	51	0.1	3	10	10
61593 D		30	52	<0.1	<2	5	7
61594 D		25	39	<0.1	3	15	6
61595 D		28	36	0.2	2	33	16
61596 D		21	42	<0.1	3	10	10
61597 D		24	51	0.2	5	37	10
61598 D		27	41	<0.1	3	36	9
61599 D		29	32	<0.1	3	78	13
61600 D		28	44	<0.1	3	10	6
61601 D		24	34	<0.1	3	11	6
61602 D		28	43	<0.1	4	244	12
61603 D		25	43	<0.1	3	18	11
61604D/61605D		29	44	<0.1	3	19	7
61606 D		30	43	<0.1	15	<5	7
61607 D		41	62	<0.1	6	<5	10
61608 D		33	10	<0.1	2	5	33
61609 D		25	47	<0.1	3	10	17
61610 D		24	43	<0.1	3	13	28
61611 D		119	45	0.3	5	25	13
61612 D		28	25	<0.1	5	54	7
61613 D		32	24	0.2	6	85	9
61614 D		27	43	0.1	3	52	9
61615 D		31	46	<0.1	8	16	7
61616 D		24	43	<0.1	10	6	7
61617 D		33	32	<0.1	4	<5	7
61618 D		42	38	0.1	7	<5	6
61619 D		33	42	<0.1	4	<5	8
61620 D		28	35	<0.1	3	76	10

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	CU PPM	ZN PPM	AG PPM	AS PPM	AU PPB	PB PPM
61621 D		29	30	0.1	4	60	6
61622 D		20	34	<0.1	3	82	5
61623 D		21	46	<0.1	5	7	6
61624 D		22	38	<0.1	11	<5	6
61625 D		22	42	<0.1	5	<5	7
61626 D		17	41	<0.1	6	<5	6
61627 D		33	25	0.3	4	45	8
61628 D		23	48	<0.1	3	81	6
61629 D		25	28	<0.1	3	6	7
61630 D		29	22	<0.1	2	<5	6
61631 D		34	20	<0.1	5	12	8
61632 D		19	26	<0.1	3	<5	6
61633 D		33	40	<0.1	4	5	6
61634 D		27	42	<0.1	5	<5	5
61635 D		30	56	0.1	5	5	8
61636 D		51	61	0.6	10	72	11
61637 D		38	60	0.2	8	26	8
61638 D		25	40	<0.1	9	13	5
61639 D		25	33	0.1	5	15	7
61640 D		25	37	0.1	4	7	6
61641 D		32	46	0.2	4	<5	6
61642 D		31	44	<0.1	4	<5	5
61643 D		29	37	<0.1	11	<5	6
61644 D		31	46	<0.1	3	<5	6
61645 D		33	31	<0.1	3	<5	5
61646 D		41	51	<0.1	2	<5	5
61647 D		58	29	0.2	3	77	9
61648 D		23	29	0.1	4	11	6
61649 D		24	33	0.1	3	16	7
61650 D		40	38	0.2	<2	32	7
61651 D		22	38	0.1	5	<5	7
61652 D		24	36	<0.1	9	8	7
61653 D		26	27	0.2	9	60	7
61654 D		22	37	<0.1	4	9	7
61655 D		24	38	0.1	69	18	14
61656 D		51	20	0.3	7	231	12
61657 D		29	15	0.2	2	105	8
61658 D		32	30	<0.1	3	8	6
61659 D		44	17	0.1	9	<5	5
61660 D		37	28	<0.1	5	<5	4

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Geochemical Lab Report

REPORT: 008-51074.0 | PROJECT: NONE | PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	Pb PPM
61661 D		35	43	<0.1	12	<5	6
61662 D		33	38	<0.1	55	<5	5
61663 D		57	30	<0.1	13	<5	6
61664 D		27	23	<0.1	2	<5	6
61665 D		36	32	<0.1	6	12	7
61666 D		56	35	<0.1	11	20	6
61667 D		30	29	<0.1	13	<5	6
61668 D		67	27	<0.1	39	26	6
61669 D		41	29	<0.1	15	<5	4
61670 D		38	51	0.1	11	<5	6
61671 D		31	46	0.2	15	11	8
61672 D		22	38	0.1	9	<5	7
61673 D		30	42	<0.1	7	<5	7
61674 D		64	41	0.3	15	5	9
61675 D		33	37	<0.1	4	<5	6
61676 D		52	52	<0.1	3	168	9
61677 D		22	20	0.1		1361	5
61678 D		40	58	<0.1		377	7
61679 D		45	55	0.1		60	8
61680 D		19	24	<0.1		<5	8
61681 D		14	20	<0.1		<5	8
61682 D		29	18	<0.1		9	7
61683 D		30	17	<0.1		27	7
61684 D		30	40	<0.1		<5	9
61685 D		36	49	0.1		15	10
61686 D		26	33	<0.1		<5	7
61687 D		36	41	<0.1		<5	7
61688 D		38	42	<0.1		<5	8
61689 D		24	35	<0.1		<5	10
61690 D		58	18	0.1		68	10
61691 D		24	34	0.3		<5	10
61692 D		21	42	<0.1		<5	7
61693 D		35	53	0.1		<5	12
61694 D		86	35	<0.1		<5	8
61695 D		33	33	0.3		<5	8
61696 D		31	39	0.1		<5	9
61697 D		39	35	0.1		<5	8
61698 D		35	35	0.2		<5	8
61699 D		61	42	0.2		<5	8
61700 D		29	32	<0.1		<5	8

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Geochemical Lab Report

REPORT: 088-51074.0 | PROJECT: NONE | PAGE 5

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	Pb PPM
62126 D		40	55	0.1		<5	9
62127 D		37	58	<0.1		<5	12
62128 D		37	48	<0.1		<5	9
62129 D		38	68	0.3		72	11
62130 D		31	56	0.1		20	7
62131 D		31	444	0.1		70	8
62132 D		32	56	<0.1		545	8
62133 D		34	142	0.2		8	8
62134 D		26	58	<0.1		<5	6
62135 D		32	125	0.1		17	7
62136 D		40	120	0.1		9986	8
62137 D		38	78	0.2		490	7
62138 D		23	73	<0.1		12	6
62139 D		33	47	0.1		5	6
62140 D		33	70	0.1		240	8
62141 D		49	54	0.1		3579	9
62142 D		34	53	<0.1		99	12
62143 D		68	51	0.2		1439	11
62144 D		44	49	<0.1		40	8
62145 D		41	81	<0.1		<5	8
62146 D		28	41	0.2		<5	9
62147 D		38	64	0.1		109	7
62148 D		32	26	<0.1		<5	6
62149 D		56	27	0.1		6	7
62150 D		27	31	<0.1		<5	6
62151 D		37	49	<0.1		355	8
62152 D		29	63	0.1		7276	7
62153 D		33	54	<0.1		5	6
62154 D		34	54	0.1		<5	6
62155 D		35	49	<0.1		<5	6
62156 D		9	46	<0.1		<5	6
62157 D		36	51	0.1		<5	7
62158 D		36	43	<0.1		<5	11
62159 D		32	51	<0.1		<5	7
62160 D		39	56	0.1		141	8
62161 D		33	64	<0.1		35	10
62162 D		37	82	0.5		242	14
62163 D		33	67	0.2		<5	10
62164 D		18	21	0.4		<5	11
62165 D		44	102	0.8		<5	12

ABE-3

& Company Ltd.
Road
tario
Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-51074.0 | PROJECT: NONE | PAGE 6

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Zn PPM	Ag PPM	As PPM	Au PPB	Pb PPM
62166 D		19	51	0.1		<5	10
62167 D		26	51	0.2		<5	9
62168 D		28	66	0.2		<5	9
62169 D		40	36	<0.1		<5	8

ABE-3

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-5[illegible] Telex 053-3233

BONDAR-CLEGG

Certificate of Analysis

REPORT: 088-51074.4 (COMPLETE)

REFERENCE IN[illegible]

CLIENT: MINGOLD RESOURCES
PROJECT: NONE

SUBMITTED BY:
DATE PRINTED: 28-JUN-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	6	OPT		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
OTHER	6	-200	6	Pulverizing	6

REMARKS: RESPLITS FROM REJECTS OF 088-51074.0.

REPORT COPIES TO: 935 COBALT CRES.
FAX TO GERRY BIDWELL

INVOICE TO: 935 COBALT CRES.

A BERNETHY L.

Company Ltd.
Road
ario

49-2220 Telex 053-3233

BONDAR-CLEGG

Certificate of Analysis

REPORT: 088-51374.4

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT		
61677		0.074	ABE-3	(36.0-37.2)
62132		0.005	"	221.0-224.0
62136		0.173	"	237.0-239.0
62141		0.085	"	249.0-252.0
62143		0.030	"	257.0-259.0
62152		0.136	"	313.5-316.0

, Company Ltd.
Road
ario
-2[redacted]lex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-51053.0 | PROJECT: NONE | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	Pb PPM	As PPM	Au PPB
58677		93	159	3.4	93	4	<5
58678		943	413	3.2	92	9	<5
58679		>20000	263	34.7	46	3	>20000
58680		932	127	0.8	15	16	132
58681		828	196	1.1	39	15	76
58682		521	2283	3.0	149	44	243
58683		826	258	0.7	13	147	7
58684		450	11	0.3	2	6	6
62170		23	22	<0.1	5	11	23
62171		27	20	<0.1	5	7	127
62172		20	34	<0.1	14	4	<5

- grab sample

DOZY LAKE - Cumberland Res.

GOODMAN - VINCENT CK.

ABERNETHY (outcrop on the North trench near ABE-3)

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 74[redacted] Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-52980.0 (COMPLETE)

REFERENCE INFO:

CLIENT: MINGOLD RESOURCES
PROJECT: 251

SUBMITTED BY: G. BIDWELL
DATE PRINTED: 6-OCT-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Cu	Copper	65	1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
2	Zn	Zinc	65	1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
3	Ag	Silver	65	0.1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
4	Pb	Lead	65	2 PPM	HCl-HNO3, (1:3)	Atomic Absorption
5	As	Arsenic	65	2 PPM	HNO3-HClO4	Colourisetric
6	Au	Gold	65	5 PPB	AQUA REGIA	FA-AA @ 30 gm weight
7	Au Rew	Au Reweighs	2	1 PPB		
8	Au Rew	Au Reweighs	2	1 PPB		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	65	-200	65	Crush,Pulverize -200	41

REMARKS: SAMPLES 59677-59690, 59694 WERE NOT RECEIVED.

REPORT COPIES TO: 935 COBALT CRES.
FAX TO GERRY BIDWELL

INVOICE TO: 935 COBALT CRES.

ABERNETHY
EXAMS

mpany Ltd.
ad
o
Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-52980.0 PROJECT: 251 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	Pb PPM	As PPM	Au PPB	Au Rew PPB	Au Rew PPB
59629		47	47	<0.1	6	5	8		
59630		42	51	<0.1	6	6	21		
59631		44	52	<0.1	5	9	6		
59632		38	53	<0.1	7	7	<5		
59633		33	35	<0.1	5	6	<5		
59634		30	29	<0.1	6	6	<5		
59635		44	43	<0.1	7	2	<5		
59636		40	42	<0.1	7	4	<5		
59637		34	46	<0.1	6	7	<5		
59638		34	39	0.1	5	5	<5		
59639		23	53	0.1	5	5	<5		
59640		73	43	<0.1	6	5	90		
59641		46	53	<0.1	6	5	16		
59642		28	45	<0.1	6	5	<5		
59643		40	53	<0.1	6	7	<5		
59644		32	45	0.1	5	3	37		
59645		39	38	0.1	7	2	<5		
59646		22	40	<0.1	8	7	87		
59647		26	62	<0.1	7	9	10		
59648		17	46	<0.1	8	7	15		
59649		21	52	0.1	9	7	<5		
59650		71	51	0.2	7	4	54		
59651		36	60	<0.1	6	3	5		
59652		37	51	<0.1	3	3	11		
59653		37	39	<0.1	6	5	88		
59654		49	62	<0.1	5	5	111		
59655		35	49	<0.1	5	8	5		
59656		87	35	0.2	6	24	631		
59657		38	55	<0.1	7	6	289		
59658		108	54	<0.1	8	8	49		
59659		79	45	<0.1	8	5	130		
59660		38	53	<0.1	7	5	8		
59661		25	44	<0.1	5	5	<5		
59662		41	52	<0.1	6	5	<5		
59663		36	44	<0.1	6	8	16		
59664		57	67	<0.1	8	6	<5		
59665		50	63	<0.1	5	6	<5		
59666		59	60	<0.1	6	5	<5		
59667		29	50	0.1	8	5	<5		
59668		16	18	<0.1	2	8	6		

ABERNETHY

...ompany Ltd.
...oad
...rio
...20 Telex 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 088-52980.0 PROJECT: 251 PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	Pb PPM	As PPM	Au PPB	Au Rew PPB	Au Rew PPB	
59669		17	19	<0.1	3	5	61			
59670		20	18	0.1	5	7	76			
59671		14	20	0.1	7	4	6			
59672		63	63	<0.1	6	7	10			
59673		42	61	<0.1	5	5	<5			
59674		31	55	<0.1	5	11	7			
59675		40	44	<0.1	5	8	30			
59676		28	51	<0.1	4	5	21			
59677		33	59	<0.1	6	12	20			
59678		32	55	<0.1	5	7	7			
59679		45	66	<0.1	8	4	223			ABERNETHY
59680		27	54	<0.1	6	6	10			
59681		28	42	<0.1	6	5	790			
59682		34	41	<0.1	5	5	105			
59683		29	28	0.9	7	4	3336	4977	5417	
59684		38	44	<0.1	7	6	207			
59685		34	49	<0.1	5	4	23			
59686		30	50	<0.1	6	6	15			
59687		34	62	<0.1	6	11	16			
59688		34	66	0.1	5	5	6			
59689		34	68	<0.1	5	11	<5			
59690		44	81	<0.1	5	4	6			
59691		195	164	5.3	19	174	>20000	>20000	>20000	KENORA PROSPECTORS & MINING
59692		34	24	0.4	5	8	1016			B. HAYNE (N. ADLT.)
59693		242	38	0.4	4	3	240			

500' west of highway on old road

APPENDIX II - Part B

X-RAY ASSAY LABS

Report 5164	$2,898.60	
Report 5312	1,970.19	
Report 5453	42.50	$4,911.29

BONDAR-CLEGG & CO. LTD.

Report 088-51074.0	$3,661.80	
Report 088-51074.4	72.00	
Report 088-51053.0	53.85	
Report 088-52980.0	1,112.90	4,900.55
		$9,811.84

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5809

COPY TO:

MINGOLD RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT
THUNDER BAY, ONTARIO
P7B 5Z4

SUBMITTED TO:

MINGOLD RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT SAME
THUNDER BAY, ONTARIO
P7B 5Z4

CUSTOMER NO. 439

INVOICE NO	INVOICE DATE	WORK ORDER NO.	DATE SUBMITT
5164	14-Jun-88	1471	24-May-88

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

UNITS RQ. NO.		
ABE-1	WHOLE CORE	

NO. OF PKGS.		
4 BOXES	BPX	56044374

QUANTITY	DESCRIPTION METHOD	CODE NUMBER	UNIT COST	AMOUNT
1. 133	CU, ZN, AG, MIXED ACID DIGESTION	1, 7, 0, 0, 0, 0	4.95	658.35
2. 133	AU, PPB	2, 10, 7, 0, 0, 0	8.00	1064.00
3. 133	AS, MIXED ACID DIG.	3, 8, 0, 0, 0, 0	5.25	698.25
4. 133	WHOLE CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	3.50	465.50

Soil - 351

SUB-TOTAL $ 2886.10

MISC. CHARGES

SHIPPING CHARGES	CUSTOM BROKERAGE		MINIMUM CHARGES	
12.50				$ 12.50
OTHER			SURCHARGE, RUSH SERVICE	

TOTAL IN CANADIAN FUNDS $ 2898.60

TRIPLICATE COPY

AA-42-110/3-00

MINGOLD RESOURCES INC.
35 COBALT CRES. PH. 807-623-8060
THUNDER BAY, ONT.

0362

June 20 19 88

PAY ----------THREE THOUSAND TWELVE----------60 $ 3,012.60

TO X-RAY ASSAY LABS
1885 Leslie St.,
DON MILLS, Ont.
M3B 3J4

MINGOLD RESOURCES INC.

CANADIAN IMPERIAL BANK OF COMMERCE
MEMORIAL AND HARBOUR EXPRESSWAY
THUNDER BAY, ONTARIO

PER

⑈00687⑈010⑈ 62⑈00915⑈

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHEQUE IS IN PAYMENT OF ITEMS DESCRIBED BELOW

DATE	DESCRIPTION			AMOUNT
May 24/88	Invoice # 5067	80054-252	$ 114.00	
May 24/88	Invoice # 5164	80054-251	2,898.60	$3,012.60

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5809

COPY TO:

[redacted]LD RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT
THUNDER BAY, ONTARIO
P7B 5Z4

SUBMITTED TO:

MINGOLD RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT
THUNDER BAY, ONTARIO
P7B 5Z4

SAME

CUSTOMER NO. 1439

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
5312	27-Jun-88	1514	30-May-88

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

JOB LOCATION			TYPE OF SAMPLES SUBMITTED
	ABE-1		ROCK WHOLE CORE

NO. OF BAGS	SHIPPED BY	WAYBILL NO.	SHIPPED FROM
7 BOXES	BPX	1156044886/1156044875	

	QUANTITY	DESCRIPTION METHOD	CODE NUMBER	UNIT COST	AMOUNT
1.	14	AG, MIXED ACID DIGESTION	1, 7, 0, 0, 0, 0	2.75	38.50
2.	89	CU, ZN, AG, MIXED ACID DIGESTION	1, 7, 0, 0, 0, 0	4.95	440.55
3.	103	AU, PPB	2, 10, 7, 0, 0, 0	8.00	824.00
4.	103	AS, MIXED ACID DIG.	3, 8, 0, 0, 0, 0	5.25	540.75
5.	6	AU	50, 10, 7, 0, 0, 0	8.50	51.00
6.	14	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	3.50	49.00
7.	89	WHOLE CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	3.50	311.50

8.00
5.25
2.75
3.50
19.50

91/105 x 2273.30 = 1970.19

SUB-TOTAL $ 2255.30

MISC. CHARGES	SHIPPING CHARGES	CUSTOM BROKERAGE	DUTY	MINIMUM CHARGES	
	18.00				
	OTHER			SURCHARGE RUSH SERVICE	$ 18.00

TOTAL IN CANADIAN FUNDS $ 2273.30

TRIPLICATE COPY

AA-42-110/3-00

MINGOLD RESOURCES INC.
5 COBALT CRES. PH. 807-623-8060
THUNDER BAY, ONT.

0373

July 12 19 88

PAY ----------TWO THOUSAND EIGHT HUNDRED SIXTY-EIGHT--------50 $ 2,868.50

X-RAY ASSAY LABS
1885 Leslie Street
DON MILLS, Ont.
M3B 3J4

MINGOLD RESOURCES INC.

CANADIAN IMPERIAL BANK OF COMMERCE
MEMORIAL AND HARBOUR EXPRESSWAY
THUNDER BAY, ONTARIO

PER

⑈00687⑈010⑈ 62⑈00915⑈

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHEQUE IS IN PAYMENT OF ITEMS DESCRIBED BELOW

DATE	DESCRIPTION		AMOUNT
June 27	Invoice # 5312	80054-251	$2,273.30
June 30	Invoice # 5354	80054-251	595.20

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5809

COPY TO:

[redacted] RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT
THUNDER BAY, ONTARIO
P7B 5Z4

SUBMITTED TO:

MINGOLD RESOURCES INC.
ATTN: GERALD BIDWELL
935 COBALT CRESENT
THUNDER BAY, ONTARIO
P7B 5Z4

SAME

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
5453	03-Jul-91	[illegible]	30-[illegible]

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENT'S P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
			PULP

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
	PDH		

QUANTITY	DESCRIPTION METHOD	CODE NUMBER	UNIT COST	AMOUNT
1. 5	AU	50, 10, 7, 0, 0, 0	8.50	42.50
			SUB-TOTAL	$ 42.50

46654 - 251

MISC. CHARGES

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	
OTHER			SURCHARGE - RUSH SERVICE	

TOTAL IN CANADIAN FUNDS $ 42.50

TRIPLICATE COPY

AA-42-110/3-00

MINGOLD RESOURCES INC.
935 COBALT CRES. PH. 807-623-8060
THUNDER BAY, ONT.

0400

July 27 19 88

PAY ----------SIXTY-TWO ----------35 $ 62.35

TO X-RAY ASSAY LABS
1885 Leslie Street
DON MILLS, Ontario
M3B 3J4

MINGOLD RESOURCES INC.

CANADIAN IMPERIAL BANK OF COMMERCE
MEMORIAL AND HARBOUR EXPRESSWAY
THUNDER BAY, ONTARIO

PER

⑈00687⑈010⑆ 62⑈00915⑈

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHEQUE IS IN PAYMENT OF ITEMS DESCRIBED BELOW

DATE	DESCRIPTION		AMOUNT
June 24/88	Invoice # M0669	80054-086	$19.85
July 08/88	Invoice # 5453	80054-251	42.50

BC BONDAR-CLEGG

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

MINGOLD RESOURCES
935 COBALT CRES.
THUNDER BAY, ONTARIO

Invoice : 0139026, Page 1

Date : 29-JUN-88

Report No: 088-51074.0
Project : NONE
Reference: HOLE A8E-2

204 Analyses of Silver	at $14.20	$ 2896.80	
204 Analyses of Copper	at $ 0.00	$ 0.00	
204 Analyses of Lead	at $ 0.00	$ 0.00	
204 Analyses of Zinc	at $ 0.00	$ 0.00	
Subtotal		$ 2896.80	$ 2896.80
204 Analyses of Gold	at $ 0.00	$ 0.00	
Subtotal		$ 0.00	$ 0.00
135 Analyses of Arsenic	at $ 0.00	$ 0.00	
Subtotal		$ 0.00	$ 0.00
Sample Preparation			
204 Samples of Crush,Pulverize -200	at $ 3.75	$ 765.00	
Subtotal		$ 765.00	$ 765.00
Invoice Total:			$ 3661.80 Cdn

86054-251

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

MINGOLD RESOURCES
935 COBALT CRES.
THUNDER BAY, ONTARIO

Invoice : 0138949, Page 1

Date : 28-JUN-88

Report No: 088-51074.4
Project : NONE
Reference:

6 Analyses of Gold	at $ 9.75	$ 58.50	
Subtotal		$ 58.50	$ 58.50
Sample Preparation			
6 Samples of Pulverizing	at $ 2.25	$ 13.50	
Subtotal		$ 13.50	$ 13.50
	Invoice Total:		$ 72.00 Cdn

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

MINGOLD RESOURCES INC.
935 COBALT CRES. PH. 807-623-8060
THUNDER BAY, ONT.

0374

July 12 19 88

PAY ----------THIRTY-SEVEN HUNDRED FORTY-FIVE----------80 $ 3,745.80

TO BONDAR-CLEGG & COMPANY LTD.
5420 Canotek Rd.,
OTTAWA, Ont.
K1J 8X5

MINGOLD RESOURCES INC.

CANADIAN IMPERIAL BANK OF COMMERCE
MEMORIAL AND HARBOUR EXPRESSWAY
THUNDER BAY, ONTARIO

PER

⑈00687⑈010⑈ 62⑈00915⑈

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHEQUE IS IN PAYMENT OF ITEMS DESCRIBED BELOW

DATE	DESCRIPTION		AMOUNT
June 28/88	Invoice # 0138949	80054-251	$ 72.00
June 28/88	Invoice # 0138950	80054-251	12.00
June 29/88	Invoi-e # 0139026	80054-251	3,661.80

BC
BONDAR-CLEGG

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

MINGOLD RESOURCES
935 COBALT CRES.
THUNDER BAY, ONTARIO

Invoice : 0138783, Page 1

Date : 21-JUN-88

Report No: 088-51053.0
Project : NONE
Reference:

11 Analyses of Silver	at $ 0.00	$ 0.00	
11 Analyses of Copper	at $ 0.00	$ 0.00	
11 Analyses of Lead	at $ 0.00	$ 0.00	
11 Analyses of Zinc	at $ 0.00	$ 0.00	
Subtotal		$ 0.00	$ 0.00
11 Analyses of Gold	at $14.20	$ 156.20	
Subtotal		$ 156.20	$ 156.20
11 Analyses of Arsenic	at $ 0.00	$ 0.00	
Subtotal		$ 0.00	$ 0.00
Sample Preparation			
11 Samples of Crush,Pulverize -200	at $ 3.75	$ 41.25	
Subtotal		$ 41.25	$ 41.25
Invoice Total:			$ 197.45 Cdn

(3/11) 80054 - 251 $53.85

(9/11) 80054 - 302 $143.60

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

AA-42-110/3-00

MINGOLD RESOURCES INC.
935 COBALT CRES. PH. 807-623-8060
THUNDER BAY, ONT.

0369

June 30 19 88

PAY ---------FIVE HUNDRED SIXTY-FIVE----------90 $ 565.90

TO BONDAR-CLEGG & COMPANY LTD.
5420 Canotek Rd.,
OTTAWA, Ont.
K1J 8X5

MINGOLD RESOURCES INC.

CANADIAN IMPERIAL BANK OF COMMERCE
MEMORIAL AND HARBOUR EXPRESSWAY
THUNDER BAY, ONTARIO

PER

⑈00687⑈010⑈ 62⑈00915⑈

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHEQUE IS IN PAYMENT OF ITEMS DESCRIBED BELOW

DATE	DESCRIPTION		AMOUNT
ıne 20/88	Invoice # 0138707	80043-252	$ 18.85
June 20/88	Invoice # 0138737	80054-202	349.60
ıne 21/88	Invoice # 0138783	80054-251 $53.85	
		80054-202 143.60	197.45

BONDAR-CLEGG

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

MINGOLD RESOURCES
935 COBALT CRES.
THUNDER BAY, ONTARIO

Invoice : 0142359, Page 1

Date : 6-OCT-88

Report No: 088-52980.0
Project : 251
Reference:

65 Analyses of Silver	at $ 0.00	$ 0.00	
65 Analyses of Copper	at $ 0.00	$ 0.00	
65 Analyses of Lead	at $ 0.00	$ 0.00	
65 Analyses of Zinc	at $ 0.00	$ 0.00	
Subtotal		$ 0.00	$ 0.00
65 Analyses of Gold	at $14.20	$ 923.00	
2 Analyses of Au Reweighs	at $ 0.00	$ 0.00	
2 Analyses of Au Reweighs	at $ 0.00	$ 0.00	
Subtotal		$ 923.00	$ 923.00
65 Analyses of Arsenic	at $ 0.00	$ 0.00	
Subtotal		$ 0.00	$ 0.00
Sample Preparation			
65 Samples of Crush,Pulverize -200	at $ 3.75	$ 243.75	
Subtotal		$ 243.75	$ 243.75
Invoice Total:			$ 1166.75 Cdn

$\frac{62}{65} \times 1166.75 = 1112.90$

MINGOLD RESOURCES INC.
935 COBALT CRES. PH. 807-623-8060
THUNDER BAY, ONTARIO P7B 5Z4

0560

November 1 1988

PAY ----------THIRTY-SEVEN HUNDRED NINETY-TWO----------85 $ 3,792.85

TO BONDAR-CLEGG & COMPANY LTD.
5420 Canotek Rd.,
OTTAWA, Ontario
K1J 8X5

MINGOLD RESOURCES INC.

CANADIAN IMPERIAL BANK OF COMMERCE
MEMORIAL & HARBOUR EXPRESSWAY
THUNDER BAY, ONTARIO

PER

⑈00687⑈010⑈ 62⑈00915⑈

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHEQUE IS IN PAYMENT OF ITEMS DESCRIBED BELOW

DATE	DESCRIPTION	AMOUNT
Sept. 27/88	Invoice # 0142016	$ 107.70
Sept. 27/88	Invoice # 0142000	197.60
Oct. 03/88	Invoice # 0142216	71.80
Oct. 06/88	Invoice # 0142359	1,166.75
Oct. 12/88	Invoice # 0142474	399.00
Oct. 12/88	Invoice # 0142472	1,675.00
Oct. 14/88	Invoice # 0142540	175.00
	80054-251 - $1,166.75	
	80054-252 - 107.70	
	80054-253 - 45.60	
	80054-254 - 223.80	
	80054-257 - 2,249.00	

APPENDIX III

MANPOWER STATISTICS

Enclosed are two sets of statistics. Part A covers the entire 1988 program. Part B covers the OMEP period of June 3, 1988 to December 31, 1988.

Appendix III, Part A

Personnel Addresses and Man-days worked for Period
April 1 to December 31, 1988

Name	Address	Man-Days	Period
Project Supervisor			
Gerald Bidwell	430 Cartier Court Thunder Bay, Ont. P7E 6A9	5	April - May
Drill Supervision & Core Logging, Splitting			
Dave Pesce	R. R. #5 Caledon, Ontario L0N 1E0	27	April - June
Linford Ulett	141 Cedric Ave., Toronto, Ontario M6C 3X7	18	May - June
Stripping, Washing, Mapping, Channel Sampling			
Gerald Bidwell	as above	5	Sept.
Jody Parker	#4 - 139 Cameron St. Thunder Bay, Ont. P7C 2G7	7	Sept.
Diamond Drilling and Stripping Contractor			
Kenora Soil and Drilling	Box 109 Kenora, Ontario P9N 3X6	58 man days drilling (1551 feet in 3 holes)	May 14-31/88
		8 man days stripping	Sept. 14-19

Appendix III Part B

Personnel Addresses and Man-days worked for Period
June 03 1988 to December 31, 1988

Name	Address	Man-Days	Period
Stripping, Washing, Mapping, Channel Sampling			
Gerald Bidwell	430 Cartier Crt., Thunder Bay, Ont. P7E 6A9	5	Sept.
Jody Parker	#4 - 139 Cameron St. Thunder Bay, Ont. P7C 2G7	7	Sept.
Stripping Contractor			
Kenora Soil and Drilling	Box 109 Kenora, Ontario P9N 3X6	8 man days stripping	May 14-31/88

APPENDIX IV

CERTIFICATION OF EXPENDITURES

I, GERALD BIDWELL, of the City of Thunder Bay in the Province of Ontario hereby certify that in the report dated 6 of April, 1989 and entitled:

"Abernethy Project - Diamond Drilling, Stripping, May - Sept., 1988, Clearwater Bay Area, Kenora Mining Division", verify that:

$3,080.00 was spent on power stripping and

$9,811.84 was spent on assaying of drill core and channel samples (appendix II).

Dated at Thunder Bay, Ontario this 8th day of April, 1989.

Gerald E. Bidwell, F.G.A.C.

ABERNETHY PROJECT

STRIPPING PROGRAM - 1988

MINGOLD RESOURCES INC. - WAGES (Sept. 15-19)

G. Bidwell	- 3 days x	$275/day =	$ 825.00
J. Parker	- 5 days x	75/day =	375.00
			$1,200.00

(does not include travelling time)

AA-42-110/3-00

MINGOLD RESOURCES INC.
935 COBALT CRES. PH. 807-623-8060
THUNDER BAY, ONTARIO P7B 5Z4

0509

Sept.21, 19 88

PAY ---------TWENTY-FOUR HUNDRED FORTY----------xx $ 2,440.00

TO MOTKALUK INVESTMENTS INC.
Box 109
KENORA, Ontario
P9N 3X1

MINGOLD RESOURCES INC.

CANADIAN IMPERIAL BANK OF COMMERCE
MEMORIAL & HARBOUR EXPRESSWAY
THUNDER BAY, ONTARIO

PER

⑈00687⑈010⑈ 62⑈00915⑈

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHEQUE IS IN PAYMENT OF ITEMS DESCRIBED BELOW

DATE	DESCRIPTION		AMOUNT
Sept. 21/88	Trenching	81100-251	$2,440.00

MOTKALUK INVESTMENTS INC.
BOX 109
KENORA ONTARIO
P9N 3X1

19 September 1988

MINGOLD RESOURCES INC.
935 Colbalt Crescent
Thunder Bay, Ontario
P9B 5Z4

September 14	Load & haul skidder to job site - 4 hrs.	$ 160.00
15	Trenching with skidder - 8 hrs. @ $40.00	320.00
16	Trenching with skidder - 8 hrs. @ $40.00	320.00
16	Haul backhoe to job-site - 4hrs.	160.00
17	Trenching with skidder - 10 hrs. @ $40.00	400.00
17	Trenching with backhoe - 10 hrs. @ 40.00	400.00
18	Trenching with backhoe - 11 hrs. @ $40.00	440.00
19	Haul backhoe and skidder back to shop 6 hrs. @ $40.00	240.00
		$2440.00

$1160 - 251

Assessment Requested 2440.00
- trenching time -560.00
1880.00

...ISION OF MOTKALUK INVESTMENTS INC.
P.O. BOX 109, KENORA, ONTARIO P9N 3X1
PHONE (807) 548-1155

DAILY REPORT

CONTRACT MINGOLD RESOURCES INC.
Date SEPT 17 Shift
Hole Level Angle

Type of Drill No. on Drill
Type of Pressure Pump
Type of Supply Pump
Consumption of Diesel Oil on Drill only Gals.
Distance from Water Supply Feet

Inch Pipe put in Feet
Inch Casing put in Feet
Inch Casing put in Feet

Hole Number	Depth of Hole From	Depth of Hole To	Feet	
	TRENCH	WITH	BACK HOE	
Acid Test				
Tro-Pari Test				

Runner
Helper PAUL MOTKALUK Hours 10 HRS
Hours
Hours
Hours
Hours

Remarks

Foreman

Report causes for delays, accidents, etc. under Remarks

DIVISION OF MOTKALUK INVESTMENTS INC.
P.O. BOX 109, KENORA, ONTARIO P9N 3X1
PHONE (807) 548-1155

DAILY REPORT

CONTRACT MINGOLD RESOURCES INC.
Date SEPT 17 Shift
Hole Level Angle

Type of Drill No. on Drill
Type of Pressure Pump
Type of Supply Pump
Consumption of Diesel Oil on Drill only Gals.
Distance from Water Supply Feet

Inch Pipe put in Feet
Inch Casing put in Feet
Inch Casing put in Feet

Hole Number	Depth of Hole From	Depth of Hole To	Feet	
	STRIPPING	WITH	SNIDDLE	
Acid Test				
Tro-Pari Test				

Runner
Helper JERRY BYINGTON Hours 10 HRS
Hours
Hours
Hours
Hours

Remarks

Foreman

Report causes for delays, accidents, etc. under Remarks

KENORA SOIL & DRILLING

DIVISION OF MOTKALUK INVESTMENTS INC.
P.O. BOX 109, KENORA, ONTARIO P9N 3X1
PHONE (807) 548-1155

DAILY REPORT

CONTRACT MINGOLD RESOURCES INC.
Date SEPT 19 Shift
Hole Level Angle

Type of Drill No. on Drill
Type of Pressure Pump
Type of Supply Pump
Consumption of Diesel Oil on Drill only Gals.
Distance from Water Supply Feet

Inch Pipe put in Feet
Inch Casing put in Feet
Inch Casing put in Feet

Hole Number	Depth of Hole From	Depth of Hole To	Feet	
	HAUL BACK	BACK HOE TO	AND SKIDDER SHOP	
Acid Test				
Tro-Pari Test				

Runner
Helper PAUL MOTKALUK Hours 6 HRS
Hours
Hours
Hours
Hours

Remarks

Foreman

Report causes for delays, accidents, etc. under Remarks

KENORA SOIL & DRILLING

DIVISION OF MOTKALUK INVESTMENTS INC.
P.O. BOX 109, KENORA, ONTARIO P9N 3X1
PHONE (807) 548-1155

DAILY REPORT

CONTRACT MINGOLD RESOURCES INC.
Date SEPT 18 Shift
Hole Level Angle

Type of Drill No. on Drill
Type of Pressure Pump
Type of Supply Pump
Consumption of Diesel Oil on Drill only Gals.
Distance from Water Supply Feet

Inch Pipe put in Feet
Inch Casing put in Feet
Inch Casing put in Feet

Hole Number	Depth of Hole From	Depth of Hole To	Feet	
	TRENCHING	BACK HOE		
Acid Test				
Tro-Pari Test				

Runner
Helper PAUL MOTKALUK Hours 11 HRS
Hours
Hours
Hours
Hours

Remarks

Foreman

Report causes for delays, accidents, etc. under Remarks

OF MOTKALUK INVESTMENTS INC.
O. BOX 109, KENORA, ONTARIO P9N 3X1
PHONE (807) 548-1155

DAILY REPORT

CONTRACT MINGOLD RESOURCES INC.
Date SEPT 15 Shift
Hole Level Angle

Type of Drill No. on Drill
Type of Pressure Pump
Type of Supply Pump
Consumption of Diesel Oil on Drill only Gals.
Distance from Water Supply Feet

Inch Pipe put in Feet
Inch Casing put in Feet
Inch Casing put in Feet

Hole Number	Depth of Hole From	Depth of Hole To	Feet	
	TRENCHING	WITH SKIDDER		
Acid Test				
Tro-Pari Test				

Runner TERRY BYINGTON Hours 8 HRS
Helper Hours
Hours
Hours
Hours
Hours

Remarks

Foreman

Report causes for delays, accidents, etc. under Remarks

DIVISION OF MOTKALUK INVESTMENTS INC.
P.O. BOX 109, KENORA, ONTARIO P9N 3X1
PHONE (807) 548-1155

DAILY REPORT

CONTRACT MINGOLD RESOURCES INC.
Date SEPT 14 Shift DAY
Hole Level Angle

Type of Drill No. on Drill
Type of Pressure Pump
Type of Supply Pump
Consumption of Diesel Oil on Drill only Gals.
Distance from Water Supply Feet

Inch Pipe put in Feet
Inch Casing put in Feet
Inch Casing put in Feet

Hole Number	Depth of Hole From	Depth of Hole To	Feet	
	SKIDDER	TRENCHING		
Acid Test				
Tro-Pari Test				

Runner TERRY BYINGTON Hours 4 HRS
Helper Hours
Hours
Hours
Hours
Hours

Remarks LOAD AND HAUL SKIDDER TO JOB SITE

Foreman

Report causes for delays, accidents, etc. under Remarks

KENORA SOIL & DRILLING

DIVISION OF MOTKALUK INVESTMENTS INC.
P.O. BOX 109, KENORA, ONTARIO P9N 3X1
PHONE (807) 548-1155

DAILY REPORT

CONTRACT MINGOLD RESOURCES INC.
Date SEPT 16 Shift
Hole Level Angle

Type of Drill No. on Drill
Type of Pressure Pump
Type of Supply Pump
Consumption of Diesel Oil on Drill only Gals.
Distance from Water Supply Feet

Inch Pipe put in Feet
Inch Casing put in Feet
Inch Casing put in Feet

Hole Number	Depth of Hole From	Depth of Hole To	Feet	
	HAUL AND	BACK HOE WALK		TO JOB SITE HOE TO JOB SITE
Acid Test				
Tro-Pari Test				

Runner Hours
Helper PAUL MOTKALUK Hours 4 HRS
Hours
Hours
Hours
Hours

Remarks

Foreman

Report causes for delays, accidents, etc. under Remarks

KENORA SOIL & DRILLING

DIVISION OF MOTKALUK INVESTMENTS INC.
P.O. BOX 109, KENORA, ONTARIO P9N 3X1
PHONE (807) 548-1155

DAILY REPORT

CONTRACT MINGOLD RESOURCES INC.
Date SEPT 16 Shift
Hole Level Angle

Type of Drill No. on Drill
Type of Pressure Pump
Type of Supply Pump
Consumption of Diesel Oil on Drill only Gals.
Distance from Water Supply Feet

Inch Pipe put in Feet
Inch Casing put in Feet
Inch Casing put in Feet

Hole Number	Depth of Hole From	Depth of Hole To	Feet	
		TRENCHING	WITH SKIDDER	
Acid Test				
Tro-Pari Test				

Runner TERRY BYINGTON Hours 4 HRS
Helper Hours
Hours
Hours
Hours
Hours

Remarks

Foreman

Report causes for delays, accidents, etc. under Remarks

Ontario and Mines

# of Work

— For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Mining Act

Name and Postal Address of Recorded Holder	Prospector's Licence No.
MINGOLD RESOURCES INC. Box 28, Toronto Dominion Centre, Toronto, Ontario M5K 1B8	T 4617

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 794

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
K	1004893	53	K	1005353	80			
	1004894	40		1005354	80			
	1004895	40		1005355	80			
	1004896	40		1005356	80			
	1004897	40		1005357	78			
	1004898	40						
	1004899	63						
	1005352	80						

All the work was performed on Mining Claim(s): K 1005353 Claim Map M-2062

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

DIAMOND DRILLING - Core Size BQ (1 7/16" diameter)

Contractor - Kenora Soil & Drilling, Box 109, Kenora, Ontario P9N 3X6

Holes - ABE - 2, May 22 - 25, 1988 drilled to depth of 392 feet
ABE - 3 May 27 - 30, 1988 drilled to depth of 402 feet
794 feet

Assessment credit requested = 794 days
(assessment applied from ABE - 1 in May/88)

Core stored at Mingold Resources Inc., 935 Cobalt Crescent, Thunder Bay, Ont. P7B 5Z4

Date of Report	Recorded Holder or Agent (Signature)
April 6, 1989	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

G. Bidwell, 935 Cobalt Crescent, Thunder Bay, Ontario P7B 5Z4

	Date Certified	Certified by (Signature)

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. **Note:** Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

Ontario and Mines

Mining Act

– For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Name and Postal Address of Recorded Holder	Prospector's Licence No.
MINGOLD RESOURCES INC. [redacted] x 28, Toronto Dominion Centre, Toronto, Ontario M5K 1B8	T-4617

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 308	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
for Performance of the following work. (Check one only)	K	1005357	2						
☐ Manual Work	[redacted]	1005358	80	[redacted]			[redacted]		
☐ Shaft Sinking Drifting or other Lateral Work.		1005359	80						
☐ Compressed Air, other Power driven or mechanical equip.		1005360	80						
		1005361	66						
☒ Power Stripping									
☐ Diamond or other Core drilling									
☐ Land Survey									

All the work was performed on Mining Claim(s): K1005353 Claim Map M-2062

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Power Stripping

Contractor - Kenora Soil & Drilling, Box 109, Kenora, Ontario P9N 3X6

Equipment - (a) Skidder
(b) Swamp Buggy with backhoe

Time - Sept. 14 to 19, 1988.

Work - three trenches (A, B and C)

Expenditure-$1,880.00 + $1,200.00 = $3,080.00 (see attached documents)

Assessment credit requested - $3,080.00/10 = 308 days

Date of Report	Recorded Holder or Agent (Signature)
April 6, 1989	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying		
G. Bidwell, 935 Cobalt Crescent, Thunder Bay, Ontario P7B 5Z4		
	Date Certified	Certified by (Signature)

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. **Note:** Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	*Name and address of Ontario land surveyor.*	Nil	Nil

768 (85/12)

Ontario and Mines

(Geophysical, Geological, Geochemical and Expenditures)

Mining Act

Note: – If number of mining claims traversed exceeds space on this form, attach a list.
– Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)
EXPENDITURES - DRILL CORE AND CHANNEL SAMPLING ASSAYING

Township or Area
Clearwater Bay (M-2062)

Claim Holder(s)
MINGOLD RESOURCES INC.

Prospector's Licence No.
T 4617

Address
Box 28, Toronto Dominion Centre, Toronto, Ontario M5K 1B8

Survey Company
Kenora Soil and Drilling, Mingold Resources Inc.

Date of Survey (from & to): 15 05 88 (Day Mo. Yr.) 19 09 88 (Day Mo. Yr.)

Total Miles of line Cut

Name and Address of Author (of Geo-Technical report)
G. Bidwell, 935 Cobalt Crescent, Thunder Bay, Ontario P7B 5Z4

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	1005361	14
	1005362	80
	1005363	80
	1005364	80
	1005365	80
	1005366	80
	1005367	80
	1005368	80
	1005369	80

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

Expenditures (excludes power stripping)

Type of Work Performed
ASSAYING

Performed on Claim(s)
K 1005353

Calculation of Expenditure Days Credits

Total Expenditures: $ 9,811.84 ÷ 15 = Total Days Credits: 654

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work: 654

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Date	Recorded Holder or Agent (Signature)

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
Gerald Bidwell, 935 Cobalt Crescent, Thunder Bay, Ontario P7B 5Z4

	Date Certified	Certified by (Signature)

Ministry of Northern Development and Mines

Ontario

Report of Work

DOCUMENT I
W8901. 1/6

Mining Ai

52E10NE9001 22 CLEARWATER BAY

900

Clearwater Bay M2062

Name and Postal Address of Recorded Holder	Prospector's Licence No.
MINGOLD RESOURCES INC. Box 28, Toronto Dominion Centre, Toronto, Ontario M5K 1B8	T 4617

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 794

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
K	1004893	53	K	1005353	80			
[redacted]	1004894	40	[redacted]	1005354	80	[redacted]		
	1004895	40		1005355	80			
	1004896	40		1005356	80			
	1004897	40		1005357	78			
	1004898	40						
	1004899	63						
	1005352	80						

KENORA MINING DIV
RECEIVED
APR 21 1989
8:15 AM
10 11 12 1 2 3 4 5 6
APPROVED APR 21 1989

All the work was performed on Mining Claim(s): K 1005353 Claim Map M-2062

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

DIAMOND DRILLING - Core Size BQ (1 7/16" diameter)

Contractor - Kenora Soil & Drilling, Box 109, Kenora, Ontario P9N 3X6

Holes - ABE - 2 May 22 - 25, 1988 drilled to depth of 392 feet
ABE - 3 May 27 - 30, 1988 drilled to depth of 402 feet
794 feet

Assessment credit requested = 794 days
(assessment applied from ABE - 1 in May/88)

Core stored at Mingold Resources Inc., 935 Cobalt Crescent, Thunder Bay, Ont. P7B 5Z4

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE
MAY - 1 1989
RECEIVED

1 004 893

Date of Report	Recorded Holder or Agent (Signature)
April 6, 1989	

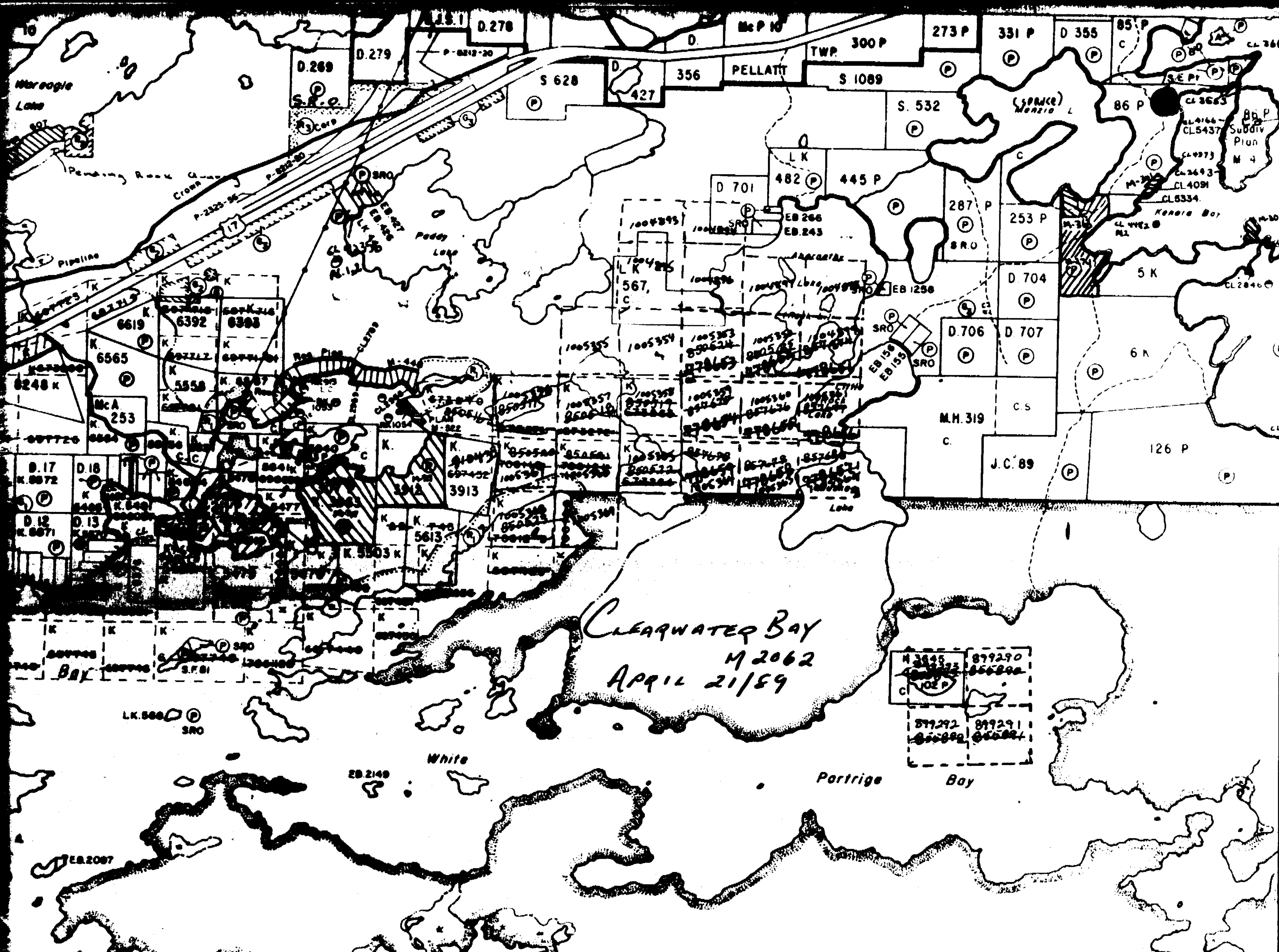
Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying	Date Certified	Certified by (Signature)
G. Bidwell, 935 Cobalt Crescent, Thunder Bay, Ontario P7B 5Z4	August 6, 1989	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. **Note:** Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil


CLEARWATER BAY
M 2062
APRIL 21/89
Wareagle Lake
D.278
D.279
D.269
McP 10
273 P
331 P
D 355
85 P
PELLATT
TWP.
300 P
356
427
S 628
S 1089
S. 532
Menzie L
86 P
LK 482
445 P
D 701
287 P
253 P
Kenora Bay
5 K
D.704
D.706
D.707
6 K
M.H. 319
J.C. 89
126 P
Peddy Lake
LK 567
6619
6392
6393
6565
5558
6248 K
McA 253
D.17
D.18
D.12
D.13
3913
5613
White
Partrige
Bay
Pipeline
Crown
EB 2149
EB 2087

ON88-182

MINGOLD RESOURCES INC.
EASTERN DISTRICT

ABERNETHY PROJECT

COMPILATION MAP 1988

DATE: JAN 1989

SCALE:

DRAWN BY: J.P.K

DWG. NO. FIG. 3

CLAIM MAP M-2062 NTS 52E/10

1000 500 0 1000 2000 3000

FEET

EM-17 CONDUCTOR
0.59/5.4' oz. Au per ton/horizontal width in feet

94°40'

94°35'

49°45'

49°43'

HIGHWAY 17

To KENORA

PELLAT TWP

INTERMEDIATE METAVOLCANICS

SPRUCE LAKE

TUFF BRECCIA

SILTSTONE

METASEDIMENTS

RHEAULT BAY

PADDY LAKE

ABERNETHY LAKE

H-1 275'

H-5 300'

TRAIL

GREYWACKE

INTERMEDIATE-FELSIC METAVOLCANICS

ABE-2

ABE-1

H-2

ABE-3

0.59/5.4'

0.52/3.8'

INTERMEDIATE VOLCANIC TUFF

ATV Trail

H-3

H-4 296'

426'

LITTLE ROCK L.

KENRICA RD

KENDALL INLET RD

KENDALL INLET

50' trenching

old shaft reported in area

INTERMEDIATE VOLCANIC TUFF

QV

trenches

0.51
0.93
0.99 grab samples

OLIVER SEVERN

MUDSTONE-CONGLOMERATE

MINGOLD BOUNDARY

RAT PORTAGE INDIAN RESERVE

HENDRICK LAKE

McKENZIE PORTAGE RD

No.5 QV

No.4 QV

No.3 QV

No.1 QV

KENRICA MINE
1939-40 produced 22,700 tons
recovery grade 0.11 oz Au/ton

METAVOLCANICS

CLEARWATER BAY

METASEDIMENTS

INTERMEDIATE-FELSIC METAVOLCANICS

WHITE PARTRIDGE BAY OCCURRENCE

WHITE PARTRIDGE BAY

N