

REPORT  
ON THE  
RESULTS OF THE 1981 PROGRAM OF DIAMOND DRILLING  
ON THE SKULL 1 - 180 MINERAL CLAIM GROUP  
GRANT NOS. YA20907-14, YA33084-115, YA57530-633, YA58063-98  
CONGLOMERATE CREEK - CANTUNG ROAD AREA

WATSON LAKE MINING DISTRICT  
YUKON TERRITORY

N. Lat. 61°14'

W. Long. 128°23'

105-H-1

for

*UNDER -* KIMBERLEY GOLD RESOURCES, INC.  
*FOR -* Suite 1430  
625 Howe Street  
Vancouver, B. C.  
V6C 2T6

by

BY - DONALD W. TULLY, P. ENG.

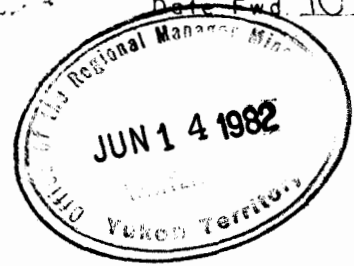
April 2, 1982

West Vancouver, B.C.

091060

FROM: Mining Recorder at Watson Lake

TO: Supervising Mining Recorder at Whitehorse, Y.T.



FOR ACTION ARE:

- NEW APPL'N for PLACER LEASE to PROSPECT: Name: \_\_\_\_\_ Lease No. \_\_\_\_\_
- RENEWAL APPL'N PLACER LEASE to PROSPECT: Name: \_\_\_\_\_ Lease No. \_\_\_\_\_
- AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name \_\_\_\_\_ Lease No. \_\_\_\_\_
- ASSIGNMENT of PLACER LEASE No. \_\_\_\_\_  
From: \_\_\_\_\_ To: \_\_\_\_\_
- GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.  
Owner: \_\_\_\_\_
- DIAMOND DRILL LOGS.  
Claims Skull Claim sheet no. 105-H-1
- QUARTZ ASSESSMENT REPORT  
Claims: \_\_\_\_\_ Claim sheet no. \_\_\_\_\_  
Type of report: \_\_\_\_\_ Submitted by: \_\_\_\_\_  
Cls. work performed on: \_\_\_\_\_ \$ Req. for ren. application \_\_\_\_\_

\_\_\_\_\_  
Signature

REPLY ACTION.

Date Ret. \_\_\_\_\_

091060

\_\_\_\_\_  
Signature



P. O. Box 269  
Watson Lake, Yukon  
YOA 1C0

9 June 1982

Your file    *Votre référence*

Our file    *Notre référence*

REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining Recorder

RESTRICTED

Enclosed are Diamond Drill logs submitted by Kimberly Gold Resources Inc. for assessment on the SKULL mineral claims located on Map 105-H-1.

Drill holes were as follows:

K-1-81	304.88 m.	Skull 6
K-2-81	200.61 m.	Skull 4
K-3-81	158.54 m.	Skull 2
K-4-81	150.91 m.	Skull 4
K-5-81	252.13 m.	Skull 5
K-6-81	152.44 m.	Skull 4
K-7-81	91.46 m.	Skull 4
K-8-81	89.33 m.	Skull 4

Total assessment credit requested is \$16,000.00.

Drill core is being stored at core-rack on property.

Yours truly,

Patti L. McLeod  
Mining Recorder  
Watson Lake Mining District

pj  
encl.  
cc: Regional Geologist

091060

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	K-5-81
	K-6-81
	K-7-81
	K-8-81
Assay Certificates	8109 - 2353
	8107 - 2860
	8110 - 2052
	8108 - 3153

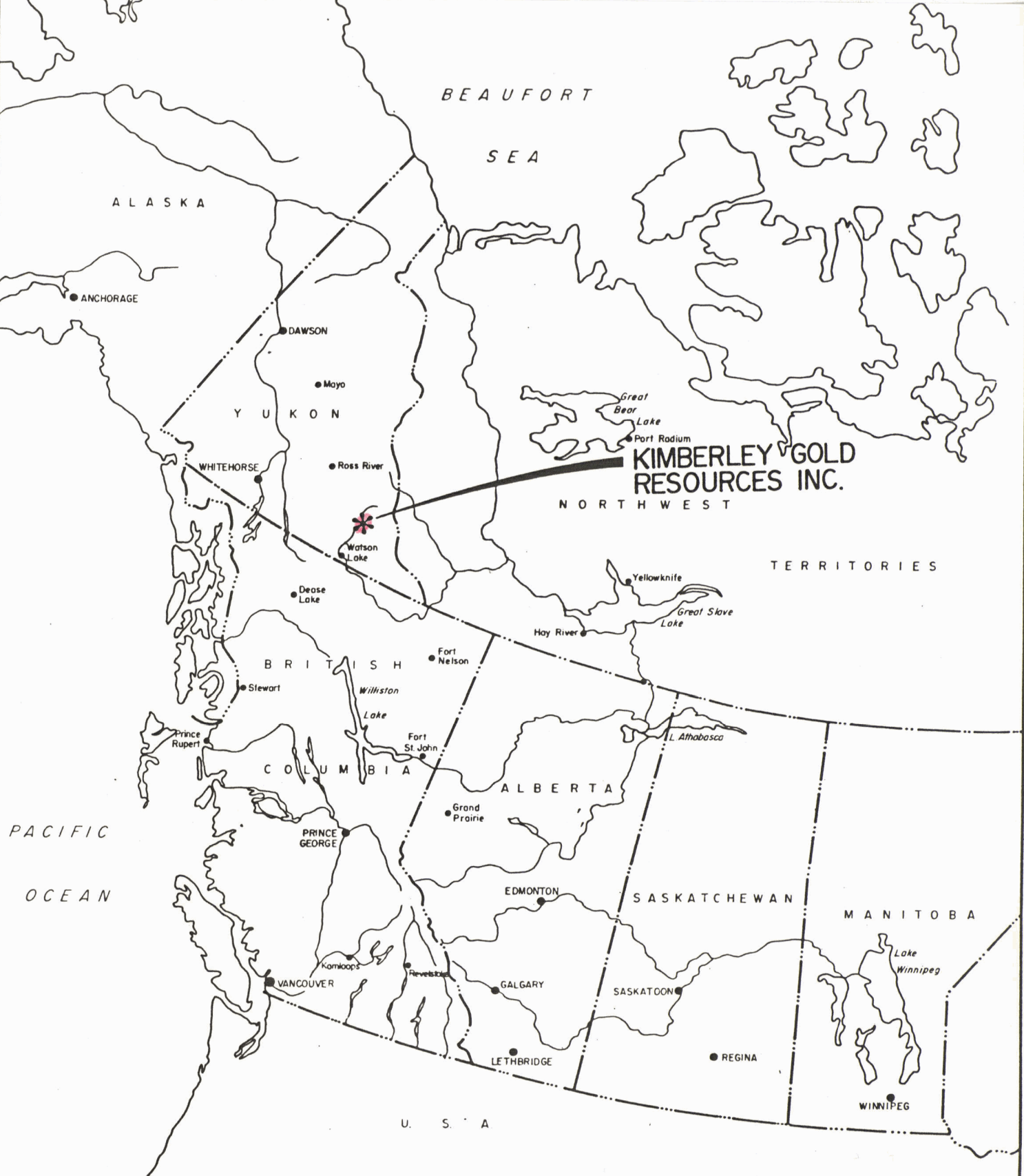
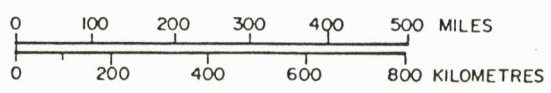


FIGURE 1  
 PROPERTY LOCATION MAP

April 2, 1982.

*Donald W. Kelly*



## INTRODUCTION

This report was prepared pursuant to a request by the Directors of Kimberley Gold Resources Inc., Suite 1430, 625 Howe Street, Vancouver, British Columbia.

The diamond drill program was examined in the field on July 23, 26, August 11, 15, 26, 29, September 19, October 18, 1981 and forms the basis for this report.

The purpose of this report is to summarize the results of the 1981 program of diamond drilling on the SKULL 1-180 claim property.

A further program of mineral exploration is recommended.

## SUMMARY AND CONCLUSIONS

The SKULL property comprises one hundred and eighty contiguous mineral claims located in the Watson Lake Mining District, Yukon Territory.

The property is situated a short distance west of Km Post 78 on the North Nahanni Range (Cantung) Road. The Conglomerate Creek road traverses the north sector of the property (Figures 2, 3 and 4).

Access by motor vehicle is readily available from Watson Lake, a total road distance of about 118 miles (195 Km).

The property is a lead-zinc-silver prospect that was reported discovered in 1965. Two zones of base and precious metals outcrop on the property and have been

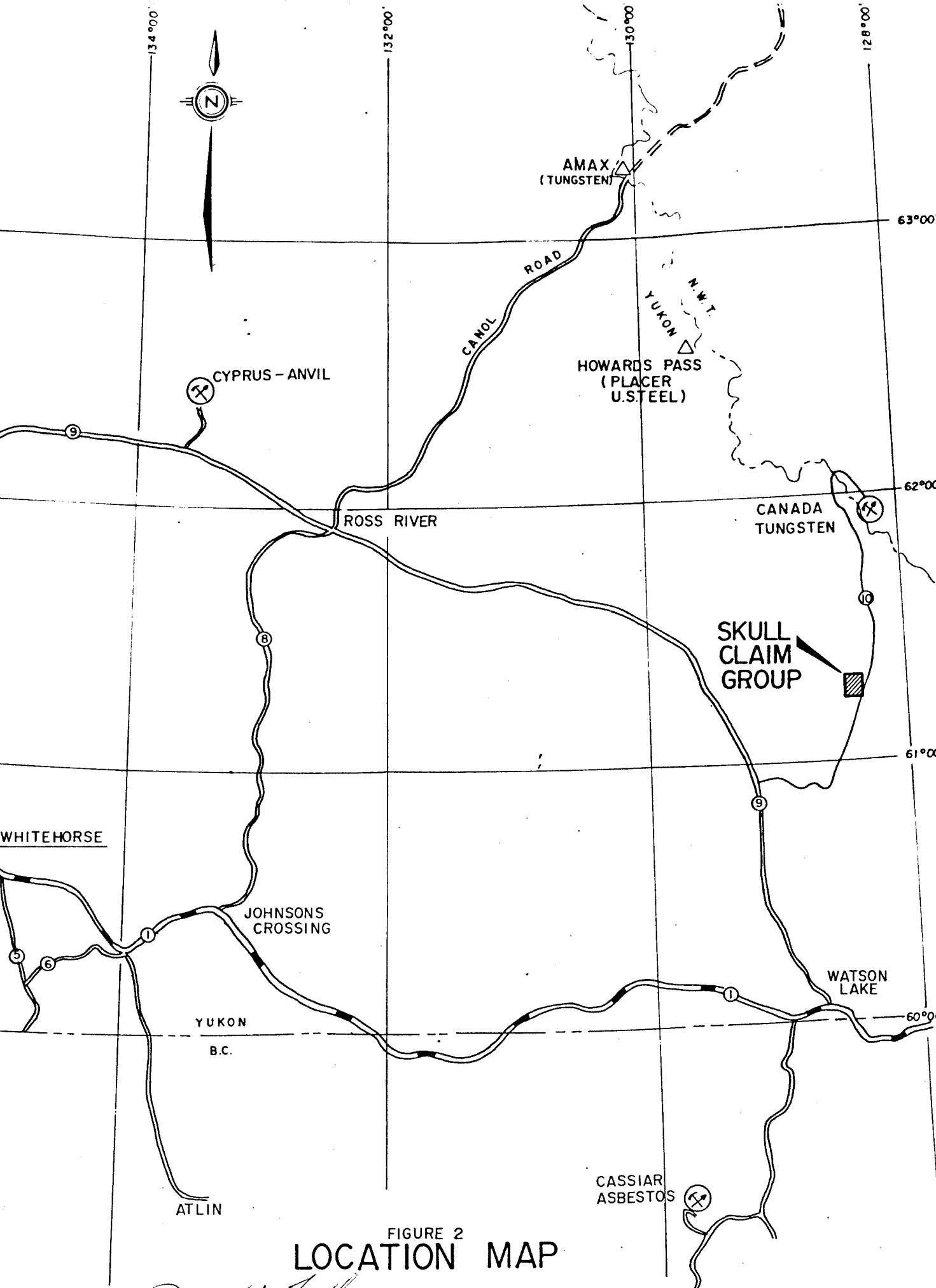


FIGURE 2  
**LOCATION MAP**

*Donald W. Zully* April 2, 1982.

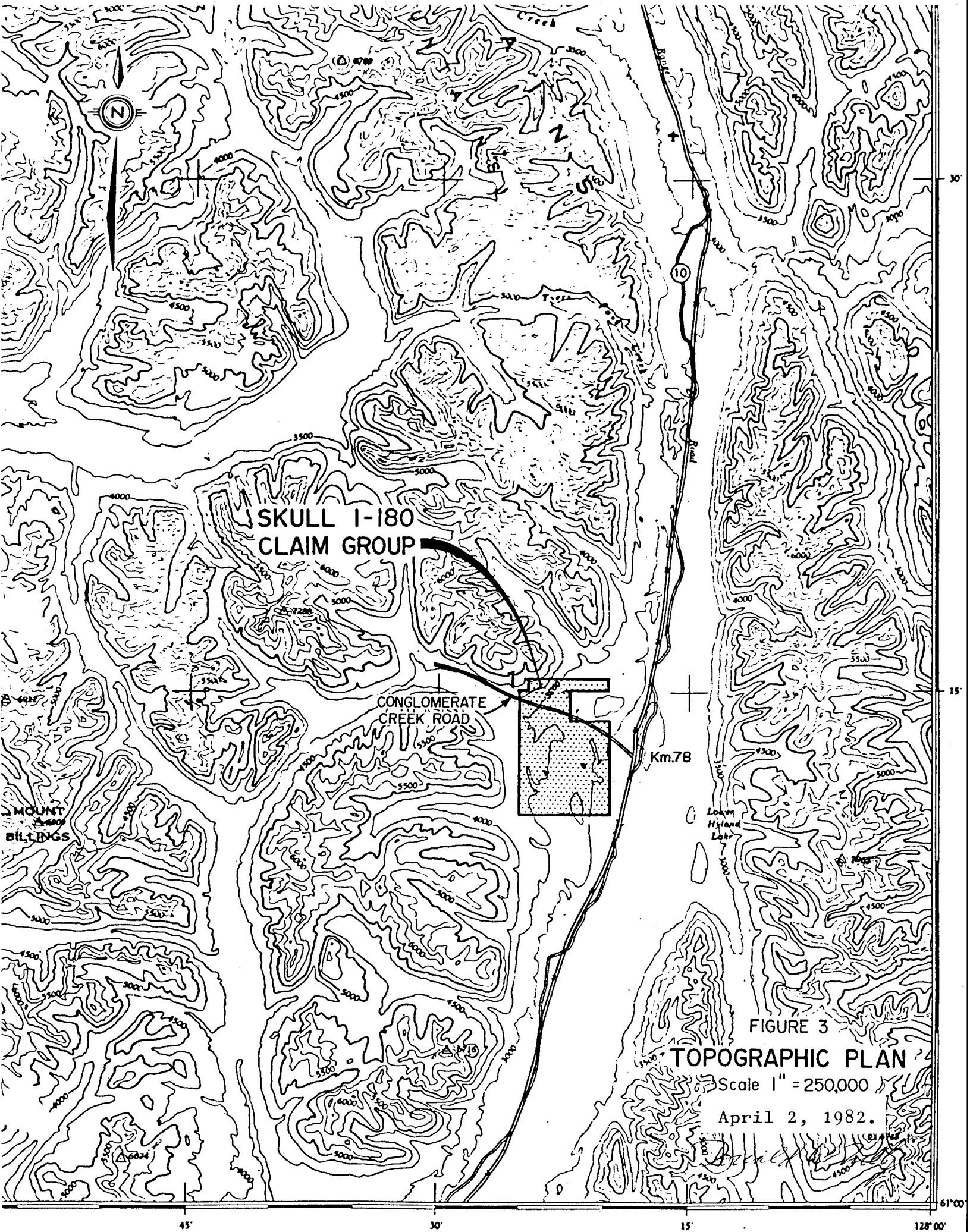
designated the UPPER and LOWER SKULL Zones. Numerous other zones await further mineral evaluation. Exploration to date has consisted of trenching, test pitting, geophysical and geochemical surveys, as well as eight BQ core size diamond drill holes totalling 1,400.3 metres (4,593 feet). The overall drill results have been encouraging on the UPPER SKULL Zone. Important silver assays have been obtained.

The results of the diamond drilling showed two intersections of silver associated with nearly massive pyrite and pyrite-galena mineralization in diamond drill holes K-2-81 and K-8-81 respectively on the UPPER SKULL Zone.

The UPPER SKULL Zone has scattered outcroppings on surface of galena-sphalerite and pyrite mineralization in sheared horizons of shale, phyllite, graphitic schist and argillaceous sediments with quartz veins accompanied by skarn-type alteration (Figure 7). Assays up to 5 ounces in silver and 31 percent lead per ton have been reported. These zones appear to be related to basement geologic structure as indicated from the airborne magnetic map (Figure 6).

The LOWER SKULL Zone is exposed along a west-facing, south-trending cliff face (Figure 7). Here a flat-lying, east-dipping lens of disseminated galena, sphalerite, pyrite and pyrrhotite occurs interbedded in a skarn-type zone in a quartz-phyllite complex. The dimensions of the surface exposure of this LOWER SKULL Zone are about 6 metres by 0.3 metres.

Aeromagnetic anomalies trend north-south over the claim area (Figure 6). Magnetic relief in the south portion of the claimed area is in excess of 600 gammas. One magnetically anomalous zone occurs in the southeast sector of the



SKULL I-180  
CLAIM GROUP

CONGLOMERATE  
CREEK ROAD

MOUNT  
BILLINGS

Km.78

Loam  
Hyland  
Lake

FIGURE 3  
TOPOGRAPHIC PLAN

Scale 1" = 250,000

April 2, 1982.

45°

30°

15°

61°00'

128°00'

claims in the vicinity of a small topographic knoll. This zone of magnetic response appears to correlate with a strong VLF (very low frequency) electromagnetic conductor zone discovered as a result of a recent airborne VLF electromagnetic survey over the property.

An extensive program of general and detailed geochemical, magnetometer and VLF-electromagnetic surveying was carried out over the SKULL 1 - 180 claim group during the 1981 field season. These surveys showed anomalous zones in the area of the UPPER and LOWER SKULL Zones and numerous anomalous indications over the large claim area. The description of the results of the geochemical and geophysical surveys are the subject of another report.

Gravity geophysical surveying is proposed for delineating the position of the indicated anomalous areas in the UPPER and LOWER SKULL Zones prior to further diamond drill testing.

#### PROPERTY - LOCATION, ACCESS, PHYSIOGRAPHY

The SKULL property comprises one hundred and eighty contiguous mineral claims located at Conglomerate Creek about ninety air miles (150 km) north of the town of Watson Lake, Yukon Territory.

Road access is readily available to the property. The road distance is 109 kilometres northward from Watson Lake along the Robert Campbell Highway to the junction of Cantung Road and thence along the Cantung Road at Km Post 78 near the Conglomerate Creek bush road.

See FIGURE 7

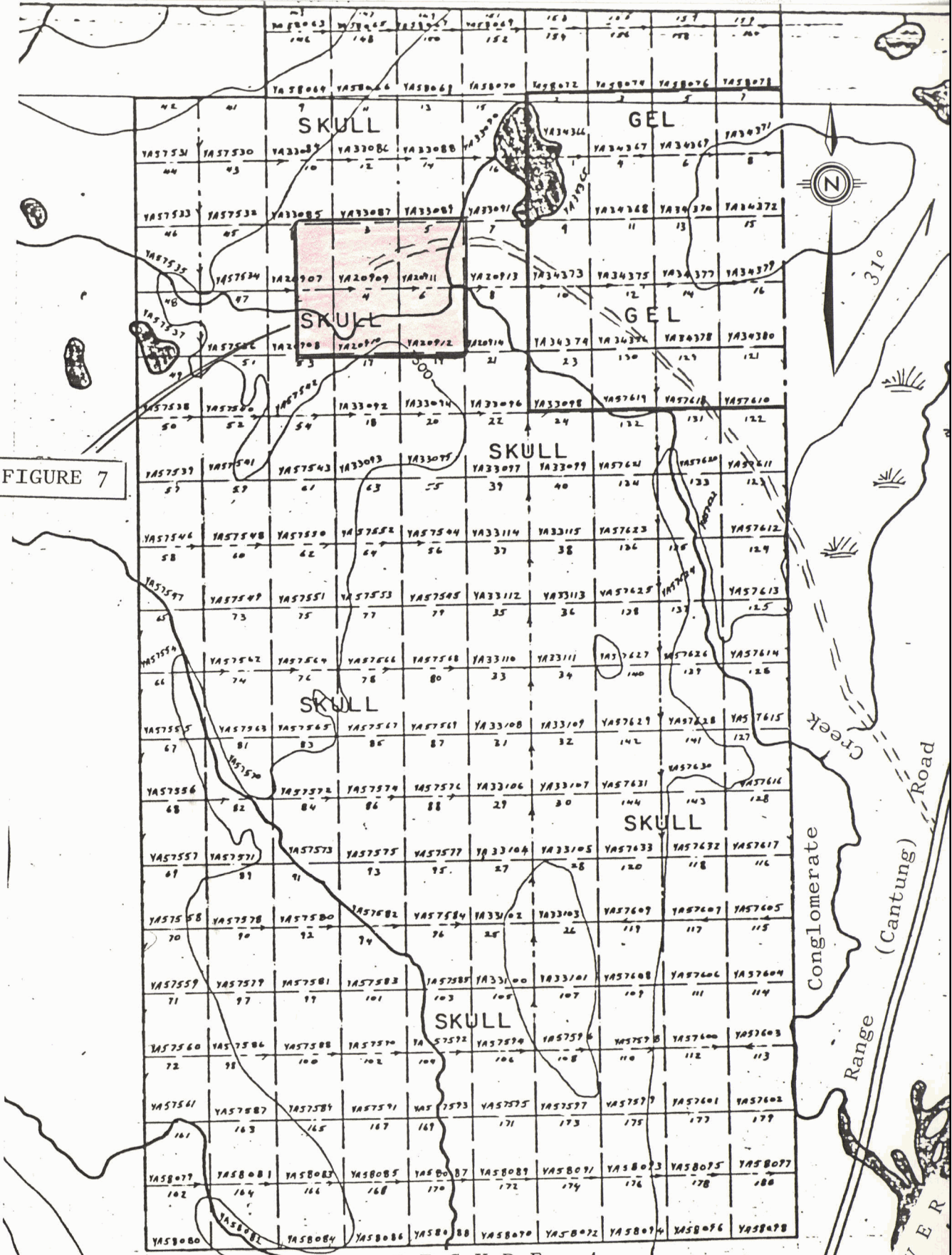


FIGURE 4

CLAIM PLAN
SKULL #1 - 180 Claim Group
Watson Lake Mining District.
Scale: 1" = 1000'
April 2, 1982.

*Donald W. Kelly*

North Nahanni

H Y L A N D R I V E R

The claim group is situated in the terraced flood-plain of Conglomerate Creek, which traverses the north and east portions of the property. Sand, gravel, fluvial sediments and glacial debris occupy the several benches that trend along an eastward slope towards the Hyland River which drains the general area.

Elevations vary between 3,000 feet in the south-east sector near SKULL claims 23 - 24 to around 4,000 feet above sea-level in the northwest portion of the claim group.

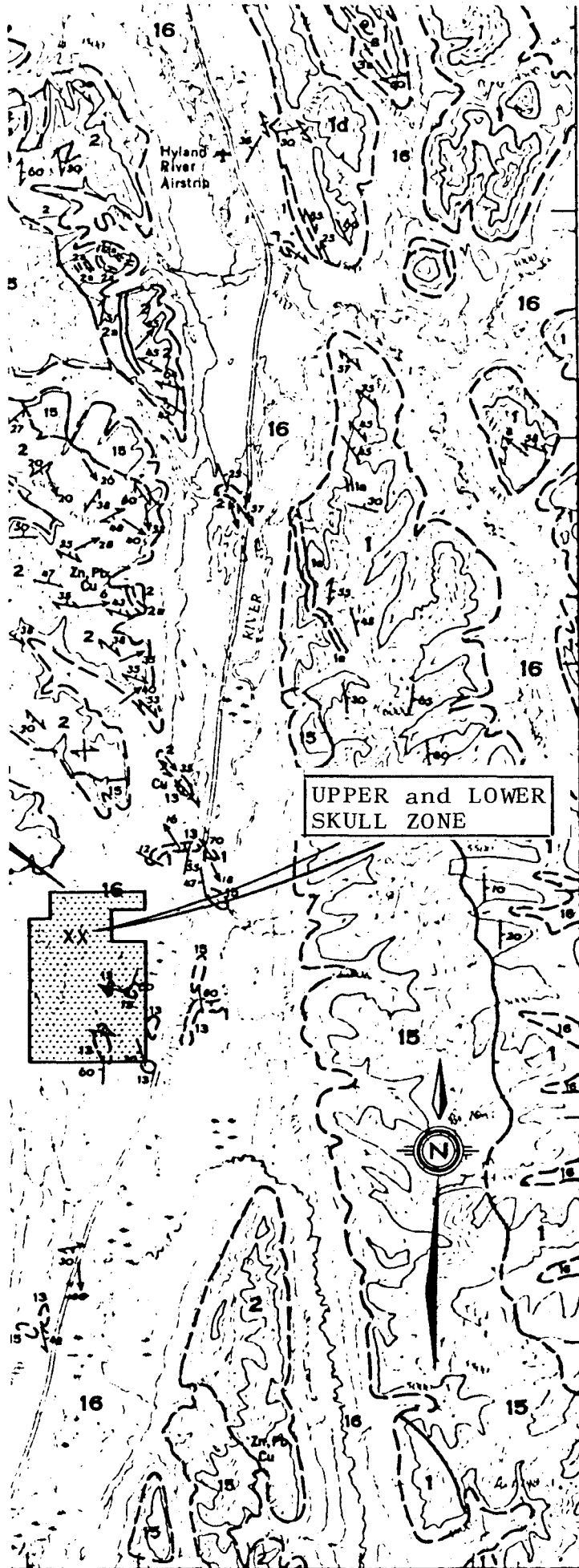
Spruce of fair size for this latitude abounds on the property.

Water is present in sufficient quantity to operate a local power development in a gorge area near the UPPER SKULL Zone on Conglomerate Creek.

CLAIMS

180 contiguous mineral claims are located astride Conglomerate Creek about two miles (3 km) west of the North Nahanni Range (Cantung) Road, Watson Lake Mining District, Yukon Territory. These claims are recorded with the Mining Recorder, Department of Indian and Northern Affairs on April 21, 1981 at Watson Lake as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Recorded Holder</u>	<u>Expiry Date</u>
SKULL 1- 8	YA20907-YA20914	Kimberley Gold Resources Inc.	July 7, 1984
SKULL 9- 40	YA33084-YA33115	Kimberley Gold Resources Inc.	June 15, 1984
SKULL 41-144	YA57530-YA57633	Kimberley Gold Resources Inc.	March 2, 1982
SKULL 145-180	YA58063-YA58098	Kimberley Gold Resources Inc.	April 2, 1982



characteristically occurs in wavy, undulatory or anastomosing bands, which on weathering impart a very rough pitted surface. An important regional unconformity at the base of this unit in places sharply bevels Lower Cambrian and older strata. Unit 9 is at least 4,000 feet thick near the Yukon - Northwest Territories boundary, but is itself bevelled by an unconformity beneath unit 11, so that apparently its thickness varies markedly. Exposures of unit 11 are limited to stream cuts along Flat River valley where it overlies unit 9 unconformably. Graptolites collected from the lowermost 500 feet are Upper Ordovician, but as the overlying part of unit 11 is much thicker, it may be in part of Silurian age.

Units 10 and 12 are lithologically correlated with strata previously mapped in adjacent regions.

Unmetamorphosed, predominantly pelitic, strata (13) are believed correlative with Devono-Mississippian rocks in adjacent regions. Characteristic are chert-pebble conglomerate, varicoloured chert, and black quartz-bearing greywacke and gritty quartzite. In the Campbell Range unit 13 includes numerous small bodies of greenstone, many intrusive, but most of the greenstone, mapped as 13b, appears to be volcanic and probably overlies or occurs within the upper part of unit 13. Serpentinite (13c) is thought to be an integral part of the Devono-Mississippian assemblage. A profound angular unconformity occurs at the base of this sequence.

Unit 14 comprises mainly hornfelsed pelitic rocks whose age and correlation are in doubt. Overall lithologic character, lack of regional metamorphism in rocks near the gneissic belt (2) and one collection of Middle or Upper Devonian fossils (near the south boundary at 128° 40'W) suggest that probably most, if not all, of this unit is correlative with Devono-Mississippian strata of unit 13.

Granitic rocks (15) generally have sharply defined contacts, but in the schist-gneiss belt (2) they are commonly bordered by complex zones as much as 1/4 mile wide in which massive plutonic rock is interspersed with lit-par-lit migmatites and partly granitized inclusions. Their mapped boundaries are largely arbitrary, based on proportion of intrusive to host rocks.

Outside the complexly deformed central crystalline terrain, regional structures trend northwest except in the northern part of the map-area where they become westerly. Regional metamorphism appears unrelated to Cretaceous (?) granitic intrusion and probably predates the Devono-Mississippian strata. These strata overlie schist and gneiss of unit 1 unconformably and are essentially non-schistose. Northwest-trending regional folds near Flat River, which may be related to tectonism in the central belt, are post Late Ordovician, as they involve rocks of this age and older. These folds clearly predate and are modified by intrusion of granitic rocks.

Sphalerite with minor amounts of galena, pyrrhotite and chalcopryrite occur in silicated calcareous members in several localities throughout the schist-gneiss terrain (2) and in hornfelses that may be equivalent to unit 13. Pyrrhotite with some chalcopryrite was noted in black slate and argillite of unit 13, west of Hyland River road at mile 53. Scheelite is reported in the north-central part of the map-area near 61° 46' in contact zones with calcareous beds of unit 1.

A high-grade tungsten deposit on Flat River is presently being mined by Canada Tungsten Mining Corporation. Scheelite, with pyrrhotite and minor amounts of chalcopryrite occurs with skarn minerals in massive Lower Cambrian limestone. The deposit is several hundred feet from nearest exposed granitic rocks, but within a zone of moderate to high-grade contact metamorphism.

FIGURE 5

REGIONAL GEOLOGY

(AFTER G.S.C. MAP 6-1966)

SCALE 1-253,440

April 2, 1982.

15° 128° 00'

Printed by the Surveys and Mapping Branch

*Donald W. Zilly*

The 1981 work has been filed for assessment credit pending approval.

The claims are shown on Yukon claim sheet 105-H-1.

### HISTORY - PREVIOUS DEVELOPMENT

Lead-zinc mineralization was discovered in 1965 at two locations on the ground now held by the SKULL claims and subsequently staked as the SILVER claim group. Some trenching was done at that time and again in 1978. The UPPER SKULL and LOWER SKULL showings were further expanded by an extensive program of bulldozer trenching in 1979 when some 25,000 yards of earth were moved to partially expose the two zones.

Important assays in silver and lead have been reported in selected samples from the Upper Skull Zone.

An airborne (helicopter) VLF electromagnetic survey was conducted over the SKULL claim group in late March 1981.

In the period June 14 through October 2, 1981, eight BQ core size diamond drill holes totalling 1,400.3 metres (4,593 feet) were drilled on the UPPER and LOWER SKULL Zones. Two silver intersections were found on the UPPER SKULL Zone.

An extensive program of geochemical and geophysical surveying was carried out over the SKULL 1-180 claim group during the 1981 field season. Numerous anomalous zones were located.



GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

# SKULL CLAIM GROUP

## AEROMAGNETIC SERIES

Joins Map 1383 G, "Tyers Pass Creek"

128° 30'

25'

20'

61° 15'

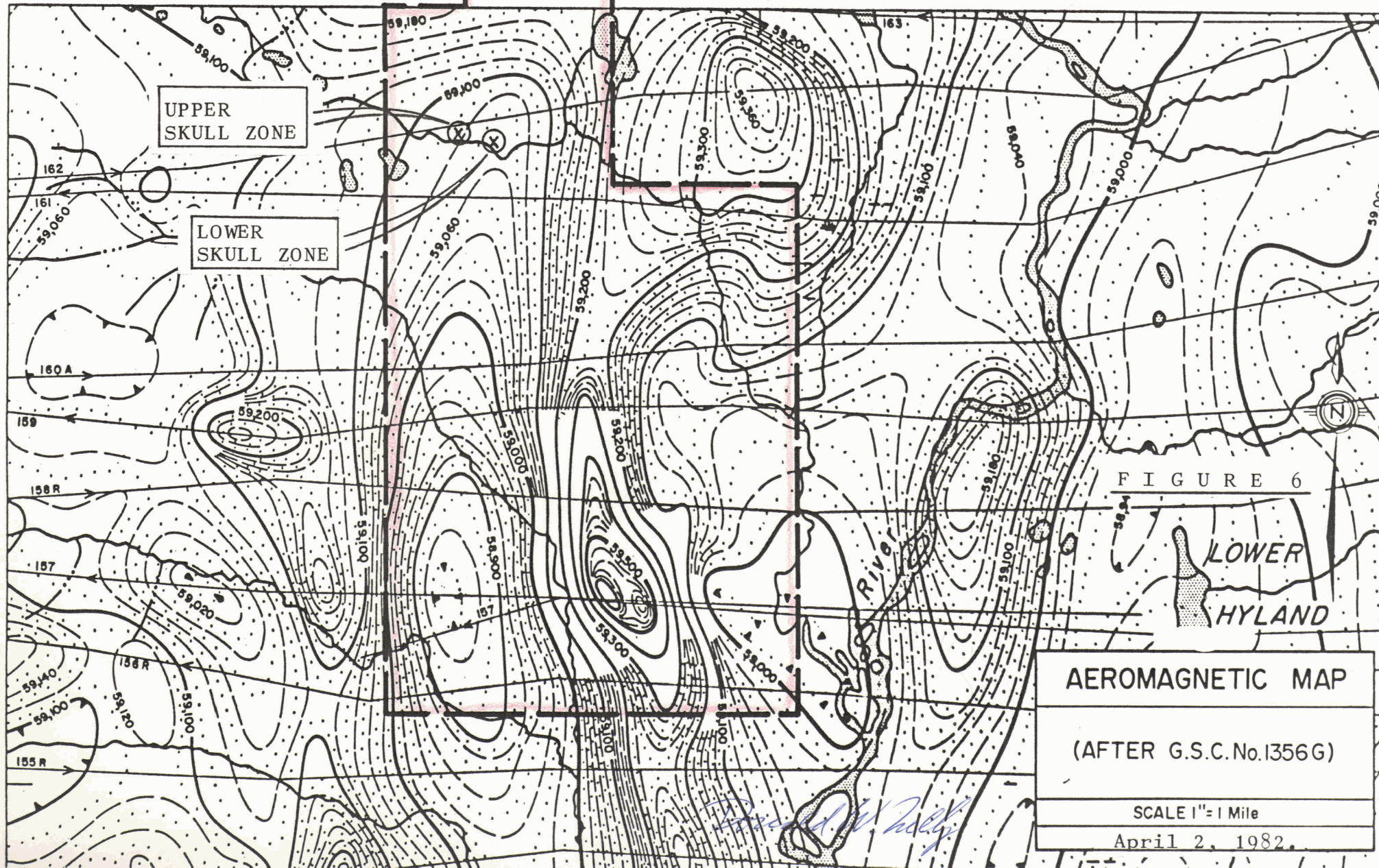


FIGURE 6

LOWER  
HYLAND

AEROMAGNETIC MAP

(AFTER G.S.C.No.1356G)

SCALE 1"=1 Mile

April 2, 1982.

*David W. Kelly*

## REFERENCES

- Geological Survey of Canada Map 6-1966
- Geological Survey of Canada Aeromagnetic Map 1356G
- Airphotos #A17113-82, 83, and 84
- Report on the SKULL 1-40 mineral claim group for Stand-Skat Resources Ltd., by Donald W. Tully, P. Eng., and dated September 14, 1979
- Report on the SKULL 1-40 mineral claim group for Kimberley Gold Resources Inc., by Donald W. Tully, P.Eng., and dated December 18, 1980
- Airborne ALF Electromagnetic Survey, Skull Claim Group, Watson Lake M.D., for Kimberley Gold Resources Inc., Ager, Berretta and Associates Inc., and dated April 8, 1981
- Report on the SKULL 1-180 Claim Group for Kimberley Gold Resources Inc., by Donald W. Tully, P. Eng., and dated April 24, 1981.
- Progress Report on the SKULL Property for Kimberley Gold Resources, Inc., by Donald W. Tully, P.Eng., and dated November 17, 1981

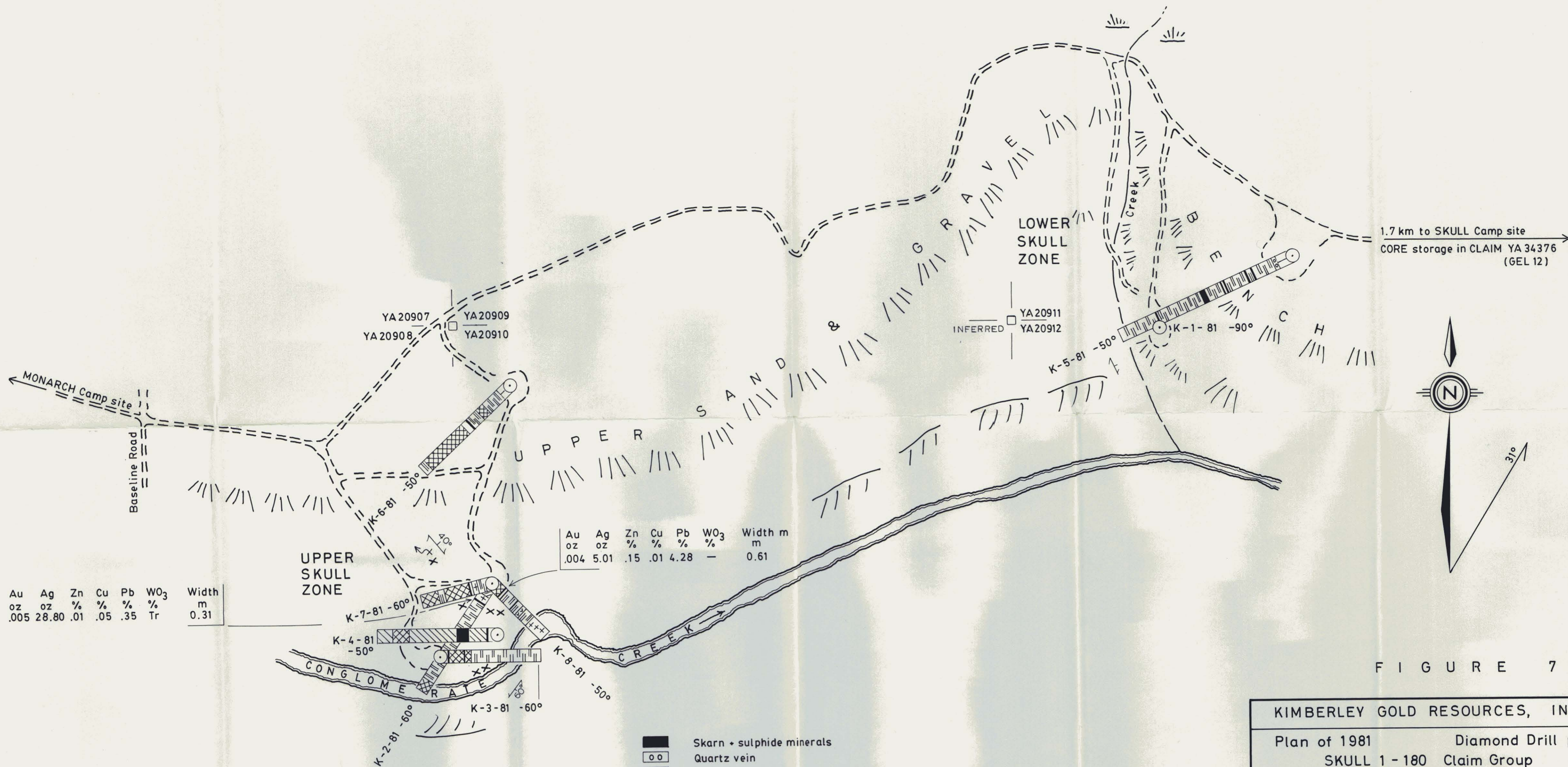
## REGIONAL AND LOCAL GEOLOGICAL SETTING

The regional geology is shown on Geological Survey of Canada Map 6-1966, Frances Lake 105-H (Figure 5).

Black shale, impure sandstone, calcareous sediments and graphitic schist occur in outcrops in the Upper and Lower Skull Zones.

Although fossil evidence was sought in the thick shale assemblage intersected in the diamond drill holes, none was found to correlate this horizon with similar Silurian horizons in the general map area.

Granitic intrusive occurs on higher ground in the north area of the SKULL claims.



Au	Ag	Zn	Cu	Pb	WO <sub>3</sub>	Width
oz	oz	%	%	%	%	m
.005	28.80	.01	.05	.35	Tr	0.31

Au	Ag	Zn	Cu	Pb	WO <sub>3</sub>	Width
oz	oz	%	%	%	%	m
.004	5.01	.15	.01	4.28	-	0.61

- Schistosity, strike & dip
- Dragfolding, dir. & plunge
- Fault zone
- Lead-Zinc outcrop

- Slope
- Canyon
- Swamp
- Claim post

- Skarn + sulphide minerals
- Quartz vein
- Feldspar porphyry
- Andesite dyke
- Black graphitic schist
- Black shale
- Calcareous (limey) shale

NOTE: All locations by Compass & Chain; and subject to Survey.

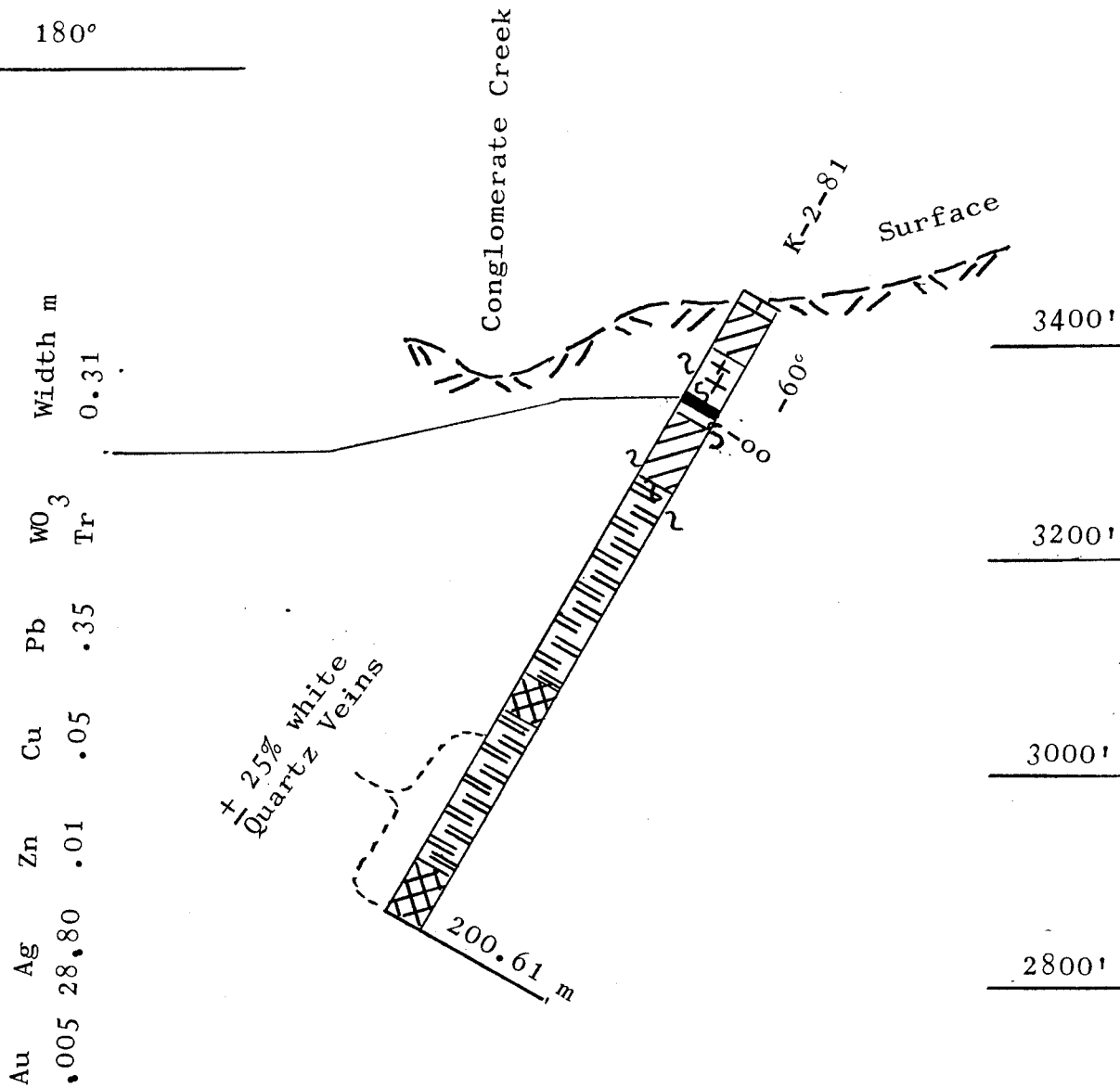
*Donald W. Tully*

FIGURE 7 091060

KIMBERLEY GOLD RESOURCES, INC.	
Plan of 1981	Diamond Drill program
SKULL 1 - 180 Claim Group	
CONGLOMERATE CREEK	
WATSON LAKE MINING DISTRICT	
April 2, 1982	Donald W. Tully, P. Eng.



180°



LEGEND

- ss Fault Zone
- Sulphide-Mineralization + Skarn
- oo Quartz Veins
- ++ Feldspar Porphyry Dyke
- vv Andesite Dyke
- // Black graphitic Schist
- = Black Shale
- xx Calcareous (limey) Shale

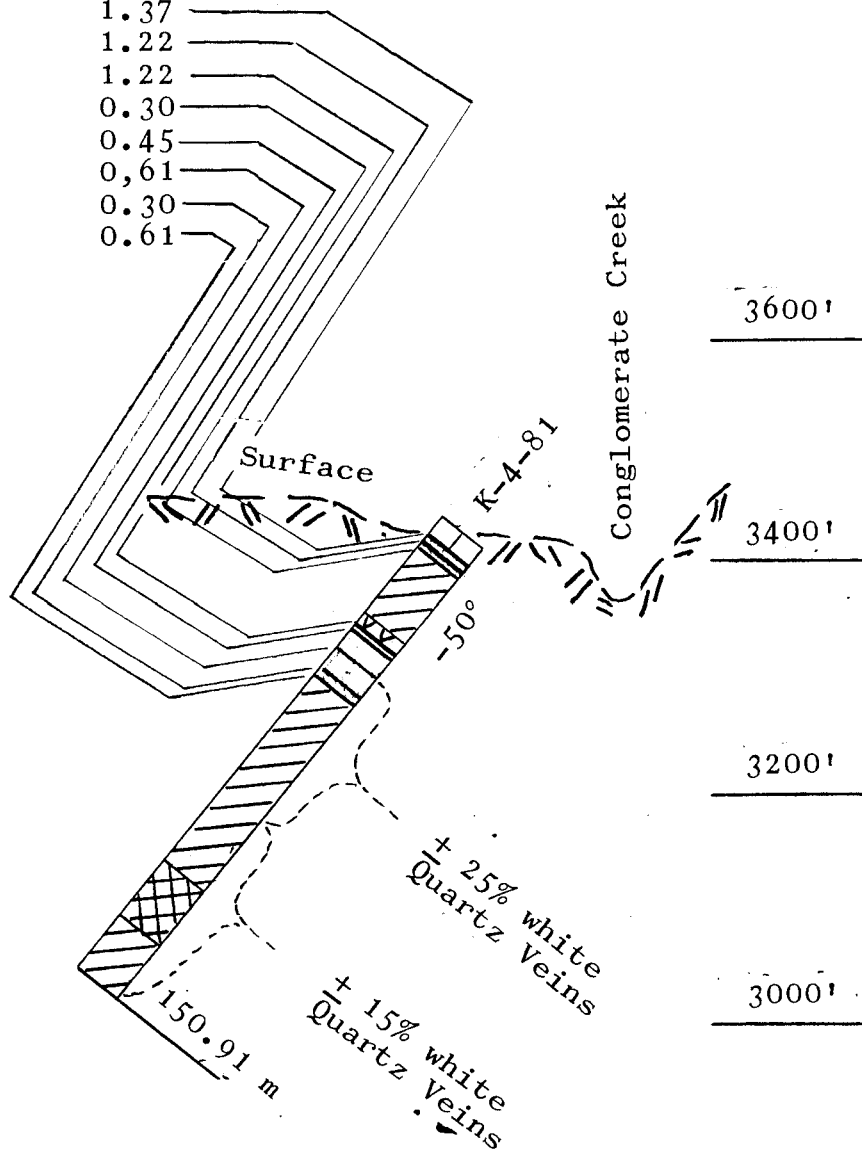
*Donald W. Tully*  
 FIGURE 9

KIMBERLEY GOLD RESOURCES, INC.
D.D.Hole K-2-81
SECTION looking WEST
Scale: 1 - 2000
April 2, 1982.
Donald W. Tully, P.Eng.



270°

Au	Ag	Zn	Cu	Pb	WO <sub>3</sub>	Width m
.002	Tr	.01	.01	.01	-	1.37
.002	.12	.01	.01	.01	-	1.22
.002	.03	.01	.01	.01	-	1.22
.002	Tr	.02	.01	.02	-	0.30
.002	.08	.01	.04	.01	-	0.45
.002	.19	.01	.01	.03	-	0.61
.002	Tr	.03	.01	.01	-	0.30
.008	.06	.01	.01	.01	-	0.61



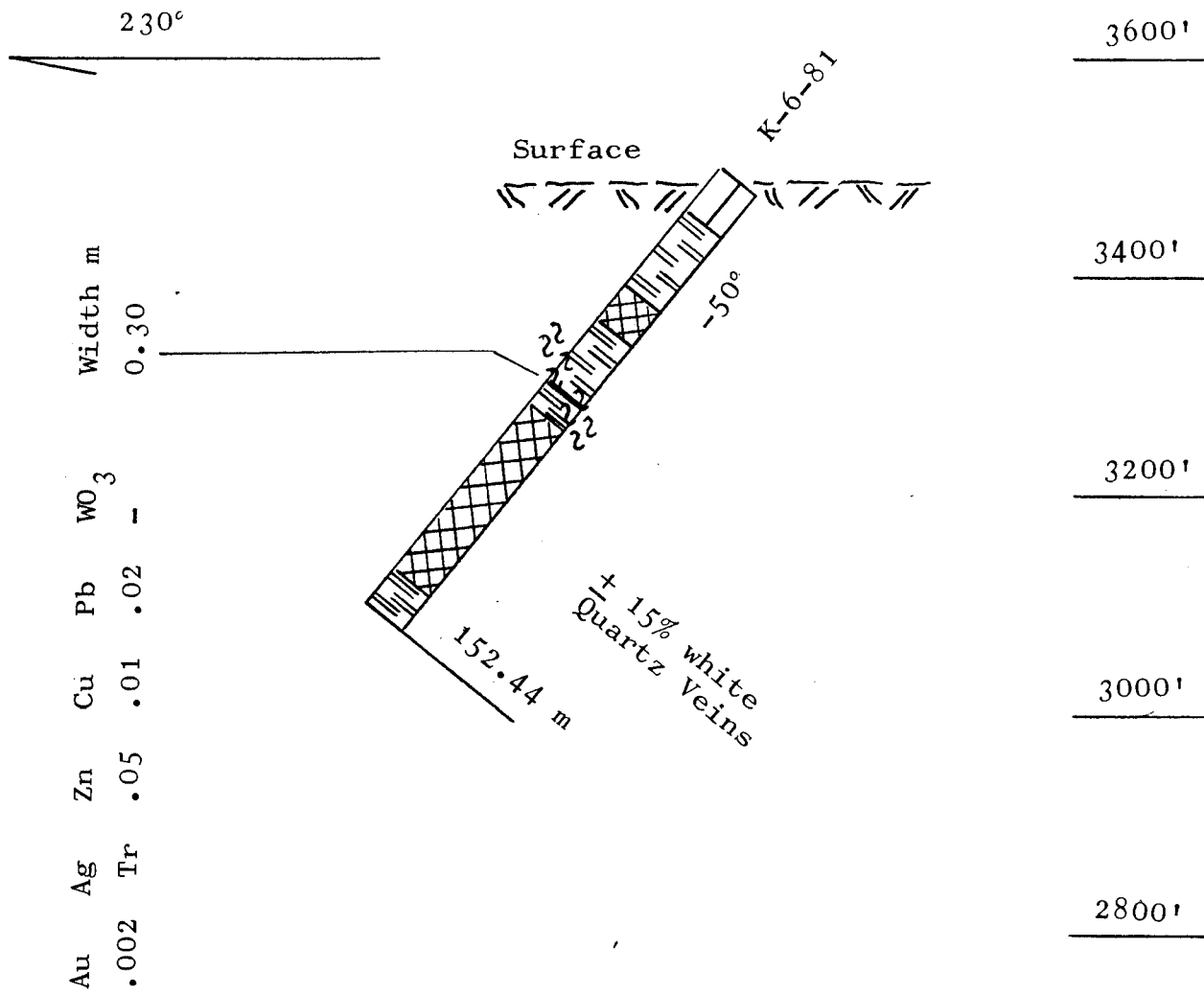
LEGEND

- ss Fault Zone
- Sulphide-Mineralization + Skarn
- oo Quartz Veins
- ++ Feldspar Porphyry Dyke
- vv Andesite Dyke
- // Black graphitic Schist
- = Black Shale
- xx Calcareous (limey) Shale

*Donald W. Tully*

FIGURE 11

KIMBERLEY GOLD RESOURCES, INC.
D.D.Hole K-4-81
SECTION looking NORTH
Scale: 1 - 2000
April 2, 1982.
Donald W. Tully. P. Eng



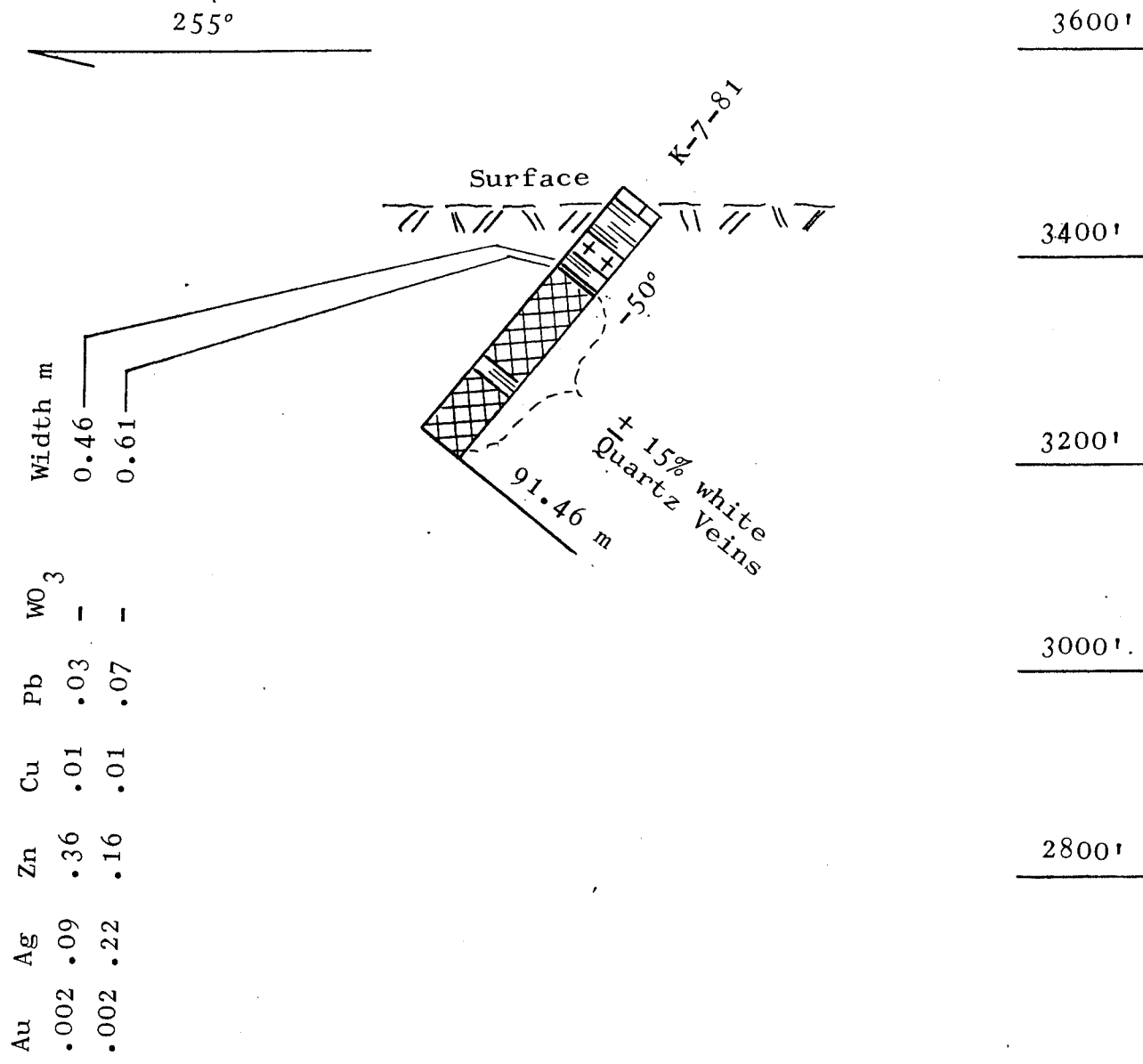
L E G E N D

- SS Fault Zone
- Sulphide-Mineralization + Skarn
- oo Quartz Veins
- ++ Feldspar Porphyry Dyke
- vv Andesite Dyke
- // Black graphitic Schist
- = Black Shale
- xx Calcareous (limey) Shale

*Donald W. Tully*

FIGURE 12

KIMBERLEY GOLD RESOURCES, INC.
D.D.Hole K-6-81
SECTION looking NORTH-WEST
Scale 1 - 2000
April 2, 1982.
Donald W. Tully, P. Eng.

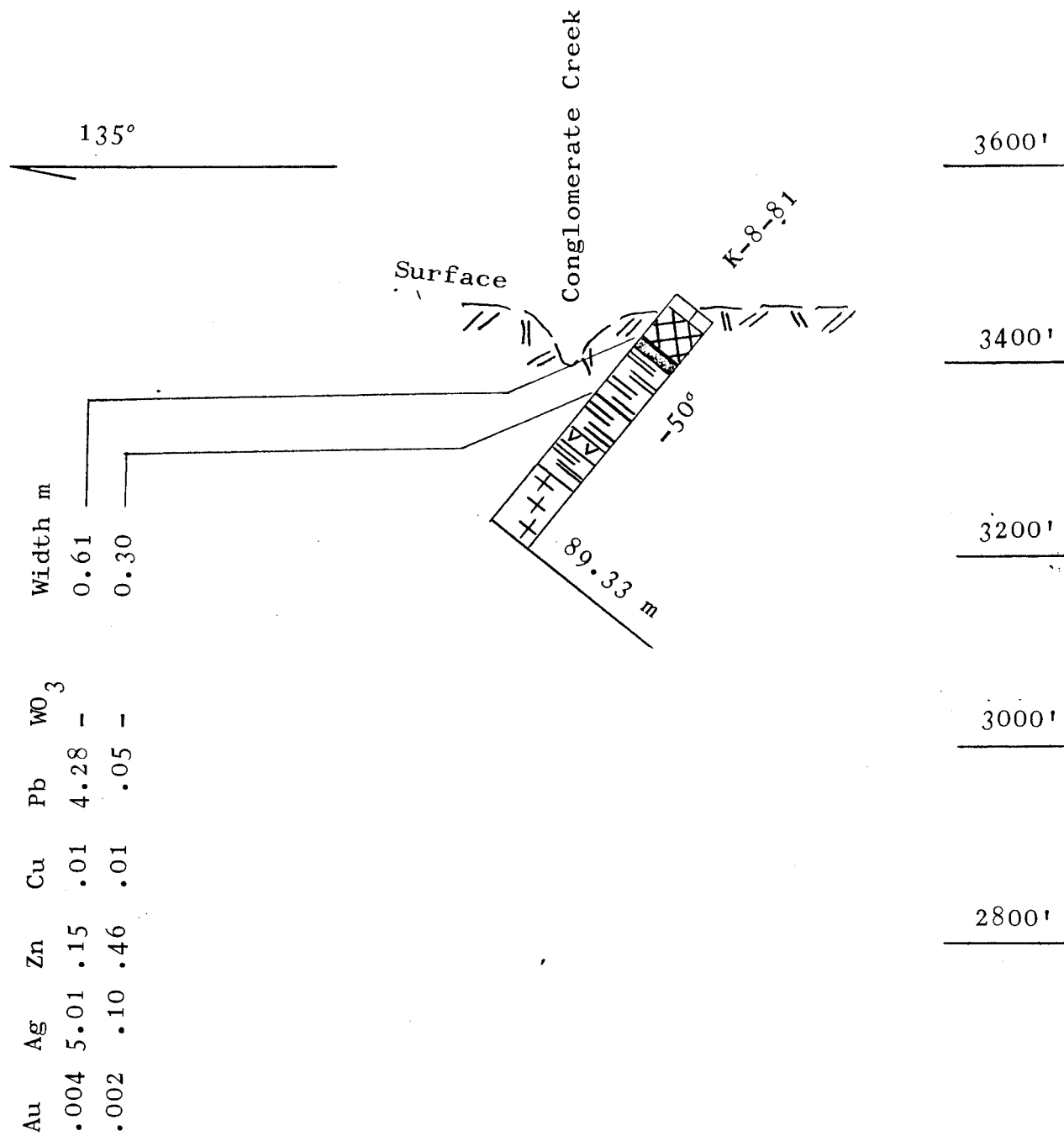


L E G E N D

- ss Fault Zone
- Sulphide-Mineralization + Skarn
- oo Quartz Veins
- ++ Feldspar Porphyry Dyke
- vv Andesite Dyke
- // Black graphitic Schist
- = Black Shale
- xx Calcareous (limey) Shale

*Donald W. Tully*  
 F I G U R E 13

KIMBERLEY GOLD RESOURCES, INC.
D.D.Hole K-7-81
SECTION looking NORTH
Scale 1 - 2000
April 2, 1982.
Donald W. Tully, P. Eng.



LEGEND

- ss Fault Zone
- Sulphide-Mineralization + Skarn
- oo Quartz Veins
- ++ Feldspar Porphyry Dyke
- vv Andesite Dyke
- // Black graphitic Schist
- = Black Shale
- xx Calcareous (limey) Shale

*Donald W. Tully*  
 FIGURE 14

KIMBERLEY GOLD RESOURCES, INC.
D.D.Hole K-8-81
SECTION looking SOUTH - WEST
Scale: 1 - 2000
April 2, 1982.
Donald W. Tully, P. Eng.

The following is a tentative table of formations for the Conglomerate Creek area:

<u>Formation</u>	<u>Description/Event</u>	<u>Age</u>
Sand, gravel, glacial debris	Unconsolidated/glaciation  (Erosional unconformity)	Quaternary
Mineralization, quartz veining, and related skarn development	Gold, silver, galena, sphalerite, pyrite, pyrrhotite, actinolite, diopside, garnet and related calc-silicates  (Folding, faulting, shearing and related tectonic activity)	Tertiary (?)
Intrusives	Granite, granodiorite and diorite and related dykes  (Folding, faulting and related tectonic activity)	Jura-Cretaceous (?)
Sediments and metasediments	Shales, phyllites, graphitic schist, pelites and calcareous sediments  (Erosional unconformity followed by folding, faulting and related tectonic activity)	Devonian-Mississippian (?)
Metasediments "schist-gneiss complex"	Quartzite, pelites, garnetiferous mica schist, gneiss and calcareous sediments	Cambrian and/or Proterozoic

Strikes show a variation between  $040^{\circ}$  and  $165^{\circ}$  with dips varying from  $40^{\circ}$  to  $60^{\circ}$  easterly at the Upper Skull Zone. Dragfolding, shearing and crenulated schistosity were observed in a graphitic schist horizon. Strike

trends on the Lower Skull Zone showed structural attitudes of  $160^{\circ}$  and dips of  $30^{\circ}$  -  $45^{\circ}$  E along a south-trending, west-facing escarpment of shale, pelites, conglomerate and graphitic schist.

A preponderance of both black and calcareous shale was intersected in the drill holes in the UPPER and LOWER SKULL Zones.

Strikes of the formations and structures in the south part of the SKULL claim group show a north trend with relatively flat westerly dips in the area of the indicated coincident aeromagnetic and newly discovered airborne VLF electromagnetic anomalous zone.

A study of the high-level airphotos #A17113-82, 83 and 84 shows north-northwesterly lineaments trending through the claim area with a radiation pattern immediately west of SKULL claims #29, 31 and 33 and tend to be confirmed by the aeromagnetics shown on Figure 6.

#### RESULTS OF THE 1981 PROGRAM OF DIAMOND DRILLING

During the period June 14 through October 2, 1981 eight BQ core size diamond drill holes were drilled on the UPPER and LOWER SKULL Zones.

The contractor was Turnex Exploration Services Ltd., Suite 704, 525 Seymour Street, Vancouver, British Columbia.

The total amount of drilling was 1,400.3 metres (4,593 feet).

The following is a summary of the drill results in each diamond drill hole. The Log of each diamond drill hole is shown in the APPENDIX to this report.

Upper Skull Zone (Figure 7)

DDH #	Dir'n	Elev. (feet)	Depth Dip (m)	Intersection									
				From	To	Width (m)	Au ozs.	Ag ozs.	Zn %	Cu %	Pb %	WO <sub>3</sub> %	
K-2-81	215 <sup>0</sup>	3450	50 <sup>0</sup> 200.61	35.36	35.67	0.31	0.005	28.80	0.01	0.05	0.35	Tr	
K-3-81	090 <sup>0</sup>	3435	60 <sup>0</sup> 158.54	No intersections or assays of importance									
K-4-81	270 <sup>0</sup>	3425	50 <sup>0</sup> 150.91	No intersections or assays of importance									
K-6-81	230 <sup>0</sup>	3475	50 <sup>0</sup> 152.44	No intersections or assays of importance									
K-7-81	255 <sup>0</sup>	3450	50 <sup>0</sup> 91.46	No intersections or assays of importance									
K-8-81	135 <sup>0</sup>	3450	50 <sup>0</sup> 89.33	17.38	17.99	0.61	0.004	5.01	0.15	0.01	4.28	-	

Lower Skull Zone (Figure 7)

K-1-81	000 <sup>0</sup>	3450	90 <sup>0</sup> 304.88	No intersections or assays of importance									
K-5-81	244 <sup>0</sup>	3525	50 <sup>0</sup> 252.13	No intersections or assays of importance									
			Total	1400.30 metres (4593 feet)									

MINERALIZATION - ASSAYS

Quartz veins and veinlets comprise a substantial portion of the core intersections in both the UPPER and LOWER SKULL Zones. The quartz is generally a milky variety but a porcelaneous type has been recognized.

Actinolite and diopside have been noted in the skarn sections which carry a predominant amount of quartz veining.

More than one age of pyrite mineralization appears to be present. Seams of pyrite appear to be of a later age and accompanied by fine pyrrhotite. In D.D. Hole K-2-81, the silver mineral is accompanied only by very minor amounts

lead and zinc but in D.D. Hole K-8-81 the silver appears to be associated with the galena.

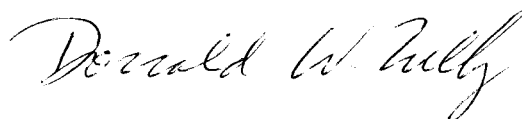
The dip of the zone of silver values in D.D. Holes K-2-81 and K-8-81 is not known but the strike appears to have been missed by Hole K-7-81.

### RECOMMENDATIONS

It is proposed to study the results of the geochemical soil sampling, magnetometer and VLF-electromagnetic surveys done during the 1981 field season over the claim area. Detailed geochemical and geophysical surveys were done over the area of the UPPER and LOWER SKULL zones (Figure 7).

It is recommended a gravity survey be carried out over the UPPER SKULL Zone to determine if any near surface anomalous source of the frequent pyrite and galena mineralization is present in sizeable quantities and this information integrated with the present geochemical and geophysical data before further diamond drilling is carried out.

Respectfully submitted,



Donald W. Tully, P. Eng.

April 2, 1982



CERTIFICATE

I, DONALD WILLIAM TULLY, of the Corporation of West Vancouver, Province of British Columbia, hereby certify as follows:

- 1) I am a Consulting Geologist with an office at Suite 102, 2222 Bellevue Avenue, West Vancouver, B.C.
- 2) I am a registered Professional Engineer of the Provinces of British Columbia and Ontario.
- 3) I graduated with a degree of Bachelor of Science, Honours Geology, from McGill University in 1943.
- 4) I have practiced my profession for thirty-six years.
- 5) I have no direct, indirect or contingent interest in the shares of Kimberley Gold Resources Inc., or the SKULL 1-180 mineral claim group, subject of this report, nor do I intend to have any interest.
- 6) This report dated April 2, 1982, is based on personal field examinations I made on July 23, 26, August 11, 15, 26, 29, September 19 and October 18, 1981, and from information gathered from available maps, reports and personal communications.
- 7) I have consulted on the GEL, MIKO, ELC and MARG claim groups, which are located within ten kilometres of the SKULL claim group, during the past five years.
- 8) Written permission is required from the author to publish this report dated April 2, 1982 in any Prospectus or Statement of Material Facts.

DATED at West Vancouver, Province of British Columbia, this 8<sup>th</sup> day of April, 1982.



DONALD W. TULLY, P.ENG.,  
Consulting Geologist

APPENDIX

DON TULLY ENGINEERING LTD.  
SUITE 102 - 2222 BELLEVUE AVENUE  
WEST VANCOUVER, BRITISH COLUMBIA  
V7V 1C7



TO:  
**DOON TULLY ENGINEERING LTD.**  
 102 - 2222 Bellvue Ave.,  
 West Vancouver, B.C.

*Kimberley Gold*

**General Testing Laboratories**  
 A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2  
 PHONE (604) 254-1847 TELEX 04-507514 CABLE: SUPERVISE

**CERTIFICATE OF ASSAY**

No.: 8110-2052      DATE: Oct. 30/81

We hereby certify that the following are the results of assays on: **Ore**

MARKED	GOLD	SILVER	Copper	Lead	Zinc	XXX	XXX	XXX
	oz/st	oz/st	Cu (%)	Pb (%)	Zn (%)			
Kimberly Gold Resources Inc. Samples								
773	0.002	0.22	0.01	0.07	0.16	K-7-E'		
774	0.002	0.10	0.01	0.05	0.46	K-8-E'		
775	0.004	5.01	0.01	4.28	0.15	K-8-E'		

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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*L. Wong*  
 L. Wong  
 PROVINCIAL ASSAYER

**Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers**

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade



TO: DON TULLY ENGINEERING LTD.  
 102 - 2222 Bellvue Ave.,  
 West Vancouver, B.C.  
 V7V 1C7  
*Kimberley Gold*

A Division of SGS Supervision Services Inc.

10 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2  
 TEL (604) 254-1647 TELETYPE 04-507514 CABLE: SUPERVISE

CERTIFICATE OF ASSAY

No.: 8107-2860      DATE: Aug. 6, 1981

We hereby certify that the following are the results of assays on: ORE

MARKED	GOLD	SILVER	Copper	Lead	Zinc	Tungsten Oxide	XXX	XXX
	Au oz/st	Ag oz/st	Cu %	Pb %	Zn %	WO <sub>3</sub> %		
900R	0.024	0.40	0.10	0.04	0.03	Trace	<i>K-1-81</i>	
901R	0.005	28.80	0.05	0.35	0.01	Trace	<i>K-2-81</i>	

*PA*

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*L. Wong*

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade



# General Testing Laboratories

A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2  
 PHONE (604) 254-1647 TELEX 04-507514 CABLE: SUPERVISE

TO:  
**KIMBERLEY GOLD RESOURCES INC.**  
 Ste. 704 - 525 Seymour Street  
 Vancouver, B.C.

## CERTIFICATE OF ASSAY

No.: **8108-3153**      DATE: **Sept. 23/81**

We hereby certify that the following are the results of assays on: **Ore**

MARKED	GOLD	SILVER	Copper	Lead	Zinc	XXX	XXX	XXX
	oz/st	oz/st	Cu (%)	Pb (%)	Zn (%)			
751 - R	0.002	trace	0.01	0.01	0.01	K-3-81		
752	0.002	trace	0.01	0.01	0.01			
753	0.002	trace	0.01	0.01	0.01			
754	0.002	0.14	0.01	0.01	0.01			
755	0.002	trace	0.01	0.01	0.01			
756	0.002	trace	0.01	0.01	0.01	K-4-81		
757	0.002	0.12	0.01	0.01	0.01			
758	0.002	0.03	0.01	0.01	0.01			
759	0.002	trace	0.01	0.02	0.02			
760	0.002	0.08	0.04	0.01	0.01			
761	0.002	0.19	0.01	0.03	0.01	K-5-81		
762	0.002	trace	0.01	0.01	0.03			
763	0.008	0.06	0.01	0.01	0.01			
764	0.002	0.30	0.01	0.01	0.01			
765	0.002	trace	0.01	0.01	0.05			
766	0.002	trace	0.01	0.06	0.01			
767	0.002	trace	0.02	0.01	0.02			
768	0.002	trace	0.02	0.02	0.04			
769	0.002	trace	0.01	0.01	0.01			
770 - R	0.002	trace	0.01	0.01	0.01			

cc. Don Tully Eng.

*[Handwritten signature]*

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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**L. Wong**

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

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 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade



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 PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO:  
 KIMBERLY GOLD RESOURCES INC.  
 Ste. 704 - 525 Seymour Street  
 Vancouver, B.C.

*Kimberly Gold*

01437 CERTIFICATE OF ASSAY

No.: 8109-2353      DATE: Oct. 13/31

We hereby certify that the following are the results of assays on:      Ore

MARKED	GOLD	SILVER	Copper	Lead	Zinc	XXX	XXX	XXX
	oz/st	oz/st	Cu (%)	Pb (%)	Zn (%)			
771 R	0.002	trace	0.01	0.02	0.05			
772 R	0.002	0.09	0.01	0.03	0.36			

*K-6-81*  
*K-7-81*

RE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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*L. J. King*

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association  
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society  
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

HOLE No. K-1-81

CLAIM SKULL # YA20912

Loc'n  
PROPERTY

COMPANY KIMBERLEY GOLD RESOURCES INC.

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

HOLE DEPTH 304.88m (1000 ft)

CORE SIZE 36 mm

HOLE DIRECTION 000°

DIP 90 °

collar ELEV. 3450 ft. PAGE No. 1 of 3

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	WO <sub>3</sub> %
FROM	TO				From	To	Length M	AU OZS	AG OZS	ZN %		
0.0	5.18	Casing										
	10.98	Black graphitic shale with partings @ 50° c/a										
	13.41	White bullish quartz vein with shale inclusions										
	17.99	Black graphitic schist with quartz & siderite veinlets										
	19.21	Grey altered skarn zone in shale with 30% Pyrr and Py		900R			1.22	0.024	0.40	0.03	0.10	0.04 Tr
	21.65	Black shale with 20% white quartz veinlets										
	25.61	Graphitic schist and mylonite + 30% quartz veining										
	29.27	Graphitic schist with partings @ 45° - 60° c/o with 10% quartz veinlets										
	33.23	Graphitic schist and mylonite with 20% quartz veining										
	46.95	Graphitic schist and black shale with partings @ 60% c/a and 25% quartz veining										
	47.87	White bullish quartz vein with shale inclusions										
	52.13	Black shale and phyllite with quartz and siderite veinlets @ 30° c/a										
	62.20	Black graphitic shale										
	66.46	White bullish quartz vein with shale inclusions										
	85.06	Calcareous shale with 20% quartz veining										
	89.94	Black graphitic shale with partings @ 50-60° c/a										

LEGEND NOTE: CORE STORED IN CORE-RACK ON PROPERTY

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P. Eng.

CORE Split by: L. Fenton

HOLE STARTED: June 14, 1981

HOLE FINISHED: July 2, 1981

HOLE No. K-1-81

CLAIM SKULL # YA20912

Loc'n  
PROPERTY

COMPANY KIMBERLEY GOLD RESOURCES INC.

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

HOLE DEPTH 304.88m (1000 ft.)

CORE SIZE 36 mm

HOLE DIRECTION 000°

DIP 90°

collar ELEV.3450 ft. PAGE No. 2 of 3

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	WO <sub>3</sub> %
FROM	TO				From	To	Length M	AU OZS	AG OZS	EN %		
89.94	102.44	Calcareous shale with 30% quartz + siderite veining										
	104.27	Black shale with 25% quartz veining										
	104.88	Black graphitic schist and mylonite with 10% white quartz veining										
	107.01	Calcareous shale with 10% quartz veining										
	128.35	Black graphitic shale with 40% white bullish qtz veining										
	129.88	Fault graphitic zone @ 70-90° c/a										
	139.68	Black graphitic shale with partings @ 80-90° c/a with 10% quartz veining										
	153.35	Calcareous shale with 30% quartz veining										
	159.75	Black graphitic shale with 20% quartz veining										
	162.20	Massive py in 1 cm bands in black shale (sample not taken)										
	175.91	Black graphitic shale with partings @ 80-90° c/a 176.52										
	176.52	White bullish quartz vein										
	179.57	Black graphitic shale with quartz and siderite veins										
	193.90	Black graphitic shale with 20% quartz veining										
	195.73	White bullish quartz vein										
	225.61	Black graphitic shale partings @ 75° c/a with 20% quartz veining										

**LEGEND**

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Diss. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

NOTE: CORE STORED IN CORE-RACK ON PROPERTY

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: L. Fenton

HOLE STARTED: June 14, 1981

HOLE FINISHED: July 2, 1981



HOLE No. K-2-81

CLAIM SKULL # YA20910

Loc'n  
PROPERTY

COMPANY \_\_\_\_\_ KIMBERLEY GOLD RESOURCES INC. \_\_\_\_\_

## DIAMOND DRILL CORE LOG - SAMPLE RECORD

HOLE DEPTH 200.61 (658 ft.)

CORE SIZE 36 mm

HOLE DIRECTION 215°

DIP 60°

collar ELEV. 3450 ft. PAGE No. 1 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb WO <sub>3</sub>	
FROM	TO				From	To	Length M	AU OZS	AG OZS	GN %	CU %	%
0.0	3.66	Casing										
	10.06	Black graphitic shale and schist with 20% quartz veining										
	11.59	Mylonite										
	14.94	Black graphitic shale & schist with 40% quartz veining										
	15.55	Mylonite										
	19.82	Black graphitic shale & schist with 30% quartz veining										
	21.34	Aplite grading to feldspar porphyry dyke with 1 - 2% disseminated pyrite										
	22.26	Black graphitic shale and schist										
	31.40	Aplite dyke as above										
	32.01	Fault zone and ground core @ 70° c/a										
	33.54	Black graphitic shale and schist										
	34.45	Fault zone - hole caving with sand										
	35.36	White quartz vein with siderite in black shale										
	35.67	Massive pyrrhotite & pyrite with white quartz	901R			0.31	0.005	28.80	0.01	0.05	0.35	Tr
	37.50	White quartz + siderite in black shale										
	40.24	Calcareous shale with partings @ 70 - 90° c/a										
	41.16	Calcareous shale with quartz + siderite veining										
	61.89	Calcareous shale with 20% quartz veining										

LEGEND NOTE: CORE STORED IN CORE-RACK ON PROPERTY

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: L. Fenton

HOLE STARTED: July 16, 1981

HOLE FINISHED: July 24, 1981

HOLE No. K-2-81

CLAIM SKULL # YA20910

Loc'n  
PROPERTY

COMPANY \_\_\_\_\_ KIMBERLEY GOLD RESOURCES INC. \_\_\_\_\_

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

HOLE DEPTH 200.61 (658 ft.)

CORE SIZE 36 mm

HOLE DIRECTION 215°

DIP 60°

collar ELEV. 3450 ft. PAGE No. 2 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb WO <sub>3</sub>		
FROM	TO				From	To	Length M	AU OZS	AG OZS	SN %	CU %	%	%
61.89	63.11	Fissile schist in calcareous shale with quartz veining											
	125.00	Black graphitic shale with partings @ 60-75° c/a and 15% quartz veining											
	126.22	Black graphitic shale with quartz + siderite veining											
	137.50	Calcareous shale with banding @ 80° c/a											
	145.73	Black graphitic shale with 30% quartz veining											
	146.95	Calcareous shale											
	156.40	Black graphitic shale with 40% quartz veining											
	157.62	Massive calcareous shale											
	185.37	Black shale with calcareous band and 20% quartz veining											
	195.11	Calcareous shale											
	200.61	Calcareous shale with 30% quartz veining											
		END OF HOLE											

LEGEND NOTE: CORE STORED IN CORE-RACK ON PROPERTY

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. TULLY, P.Eng.

CORE Split by: L. Fenton

HOLE STARTED: July 16, 1981

HOLE FINISHED: July 24, 1981

HOLE No. K-3-81

CLAIM SKULL # YA20908

Loc'n  
PROPERTY

COMPANY KIMBERLEY GOLD RESOURCES INC.

## DIAMOND DRILL CORE LOG - SAMPLE RECORD

HOLE DEPTH 158.54 (520 ft.)

CORE SIZE 36 mm

HOLE DIRECTION 090°

DIP 60°

collar ELEV. 3435 ft. PAGE No. 1 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	
FROM	TO				From	To	Length M	AU OZS	AG OZS	CU %		FE %
0.0	2.13	Casing										
	3.96	Skarn, blue-grey, banded @ 40-60° c/a										
	5.49	As above sample with brecc. quartz +	diss. py.	751R			1.53	0.002	Tr	0.01	0.01	0.01
	7.01	As above sample with brecc. quartz +	diss. py.	752R			1.52	0.002	Tr	0.01	0.01	0.01
	10.82	As above sample with brecc. quartz +	diss. py.	753R			3.81	0.002	Tr	0.01	0.01	0.01
	12.20	As above sample with brecc. quartz +	diss. py.	754R			1.48	0.002	0.14	0.01	0.01	0.01
	23.17	Skarn as above										
	23.48	White quartz-calcite veining with shale inclusions										
	26.83	Grey calcareous shale as above with partings @ 45-55° c/a										
	27.13	White-quartz-calcite vein zone										
	29.27	Grey calcareous shale grading to black shale										
	29.73	White with brecciated quartz-siderite zones + py.		755R			.64	0.002	Tr	0.01	0.01	0.01
	35.37	White with brecciated quartz-siderite zones + py.										
	59.45	Black shale with phyl. bands & 30% quartz veining										
	79.27	Black shale with 10% quartz veining										
	79.57	White quartz vein breccia										
	83.54	Black shale with partings @ 60° c/a										
	87.50	Black shale with quartz veining 50%										
	92.68	Black shale with 5% quartz veining										

LEGEND

NOTE: CORE STORED IN CORE-RACK AT CAMPSITE.

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Diss. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: L. Fenton

HOLE STARTED: July 26, 1981

HOLE FINISHED: Aug. 7, 1981



HOLE No. K-4-81

CLAIM SKULL # YA20910

Loc'n  
PROPERTY

COMPANY \_\_\_\_\_ KIMBERLEY GOLD RESOURCES INC.

## DIAMOND DRILL CORE LOG - SAMPLE RECORD

HOLE DEPTH 150.91m (495 ft.)

CORE SIZE 36 mm

HOLE DIRECTION 270°

DIP 50°

collar ELEV. 3425 ft. PAGE No. 1 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	
FROM	TO				From	To	Length M	AU OZS	AG OZS	Fe %		CU %
0.0	5.18	Casing										
	6.55	White-quartz breccia zone with fine manganese staining and disseminated pyrite		756R			1.37	0.002	Tr	0.01	0.01	0.01
	7.77	As above sample with fine graphite on fracture planes		757R			1.22	0.002	0.12	0.01	0.01	0.01
	8.99	As above sample with fine graphite on fracture planes		758R			1.22	0.002	0.03	0.01	0.01	0.01
	31.71	Black graphitic schist zone sheared @ 40-60° c/a with 25% quartz-calcite veinlets (very blocky ground 15.6 - 16.8, 19.8 - 20.7										
	35.37	Grey greenish diorite-andesitic dyke										
	35.98	Calcareous shale										
	36.28	Brecciated quartz-siderite zone with fine pyrrhotite + pyrite seams		759R			0.30	0.002	Tr	0.02	0.02	0.02
	37.20	Calcareous shale with white quartz veining										
	37.65	Brecciated quartz-siderite zone, fine pyrr.+ py. seams		760R			0.45	0.002	0.08	0.01	0.04	0.01
	41.77	Calcareous shale with white quartz veining										
	42.38	Brecciated quartz-siderite zone, fine pyrrhotite + pyrite seams		761R			0.61	0.002	0.19	0.01	0.01	0.03
	50.61	Calcareous shale with 25% quartz-calcite veins & veinlets										
	50.91	Brecc. qtz-siderite zone, fine pyrr. + py. seams		762R			0.30	0.002	Tr	0.03	0.01	0.01

LEGEND

NOTE: CORE STORED IN CORE-RACK ON PROPERTY

C/A - CORE AXIS

Bx - BRECCIATED

N/A - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P. Eng.,

CORE Split by: L. Fenton

HOLE STARTED: August 8, 1981

HOLE FINISHED: August 15, 1981

HOLE No. K-4-81

COMPANY KIMBERLEY GOLD RESOURCES INC.

HOLE DEPTH 150.91m (495 ft.)

CLAIM SKULL # YA 20910

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

CORE SIZE 36 mm

Loc'n  
PROPERTY

HOLE DIRECTION 270°

DIP 50°

collar ELEV. 3425 ft. PAGE No. 2 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	
FROM	TO				From	To	Length M	AU OZS	AG OZS	SN %		CU %
50.91	53.05	Calcareous shale with 30% white quartz veining										
	53.66	Brecciated qtz-siderite zone, fine pyrr.+ py. seams		763R			0.61	0.008	0.06	0.01	0.01	0.01
	73.17	Black shale & phyllite with banding @ 70-90° c/a and 30% quartz-calcite veining										
	87.20	Black shale with 10% quartz-calcite veining										
	90.85	Black shale with 50% quartz-calcite veining										
	114.02	Black shale with 10% quartz-calcite veining, fault at 95.1 and banding @ 80-90° c/a with pyrite blebs @ 98.8										
	114.63	Brecciated quartz-calcite vein zone										
	133.54	Calcareous shale with black shale banding @ 70-90° c/a										
	150.91	Black shale with calcareous shale banding with 20% quartz-calcite veining and dragfolding @ 142.4 and 148.8										
		END OF HOLE										

**LEGEND** NOTE: CORE STORED IN CORE-RACK ON PROPERTY

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Diss. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P. Eng.,

CORE Split by: L. Fenton

HOLE STARTED: August 8, 1981

HOLE FINISHED: August 15, 1981

HOLE No. K-5-81

CLAIM SKULL # YA20911

Loc'n  
PROPERTY

COMPANY KIMBERLEY GOLD RESOURCES INC.  
**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

HOLE DEPTH 252.13m (827 ft)

CORE SIZE 36 mm

HOLE DIRECTION 244°

DIP 50 °

collar ELEV. 3500 ft PAGE No. 1 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS					Pb %	
FROM	TO				From	To	Length M	AU OZS	AG OZS		SN %
0.0	25.61	Casing									
	28.05	Bullish white quartz vein									
	42.23	Black graphitic shale, sheared @ 90° calcite veining	c/a, 10% quartz-								
	42.68	Bullish white quartz vein									
	43.90	Black shale with partings @ 90° c/a									
	44.21	Bullish white quartz veining									
	48.78	Black graphitic shale									
	51.83	Black graphitic shale with 30% white	qtz-calcite veining								
	54.27	Black graphitic shale with 10% white	qtz-calcite veining								
	57.62	Black graphitic shale with 40% white	qtz-calcite veining								
	57.93	Bullish white quartz vein with greenish coloration (?)		764R		0.31	0.002	0.30	0.01	0.01	0.01
	62.80	Black shale with 20% quartz-calcite	veining								
	63.41	Brecciated quartz-siderite vein zone	with 10% pyrite	765R		0.61	0.002	Tr	0.05	0.01	0.01
	81.40	Black shale with scattered white quartz	veining								
	82.00	Fault zone @ 70° c/a									
	90.55	Black graphitic shale with 10% quartz-	calcite veining								
	99.70	Black graphitic shale with 20% quartz-	calcite veining								
	100.00	Black graphitic shale with 3cm massive	pyrite seam	766R		0.30	0.002	Tr	0.01	0.01	0.06

LEGEND Note: Core stored in core-rack on property.

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P. Eng.

CORE Split by: L. Fenton

HOLE STARTED: August 17, 1981

HOLE FINISHED: August 25, 1981

HOLE No. K-5-81

CLAIM SKULL # YA20911

Loc'n  
PROPERTYCOMPANY KIMBERLEY GOLD RESOURCES INC.**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

HOLE DEPTH 252.13m (827 ft.)

CORE SIZE 36 mm  
HOLE DIRECTION 244°

DIP 50°

collar ELEV. 3500 ft. PAGE No. 2 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	
FROM	TO				From	To	Length M	AU OZS	AG OZS	ZN %		CU %
100.91	100.30	Black graphitic shale with 3 cm massive pyrite seam										
	100.91	Brecciated quartz vein zone with 15% disseminated pyrite		767R			0.61	0.002	Tr	0.02	0.02	0.01
	101.37	Brecciated quartz vein zone with 30% disseminated pyrite		768R			0.48	0.002	Tr	0.04	0.02	0.02
	109.45	Black shale with scattered quartz veining										
	129.26	Black shale with 25% quartz veining										
	131.71	Brecciated quartz vein zone with sparse dissm pyrite		769R			2.45	0.002	Tr	0.01	0.01	0.01
	143.90	Black graphitic shale with 40% quartz veining @ 70-80° c/a										
	173.48	Black graphitic shale with 20% quartz veining @ 80-90° c/a										
	197.87	Black graphitic shale with 10% quartz veining										
	198.17	6 cm massive pyrite seam with white quartz and black shale		770R			0.30	0.002	Tr	0.01	0.01	0.01
	252.13	Black shale with 10-15% white quartz veining										
		END OF HOLE										

LEGEND NOTE: Core stored in core-rack on property.

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P.Eng.

CORE Split by: L. Fenton

HOLE STARTED: August 17, 1981

HOLE FINISHED: August 25, 1981

HOLE No. K-6-81

COMPANY KIMBERLEY GOLD RESOURCES INC.

HOLE DEPTH 152.44m (500 ft.)

CLAIM SKULL # YA20910

CORE SIZE 36 mm

## DIAMOND DRILL CORE LOG - SAMPLE RECORD

HOLE DIRECTION 230°

Loc'n  
PROPERTY

DIP 50°

collar ELEV. 3475 ft. PAGE No. 1 of 2

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	
FROM	TO				From	To	Length M	AU OZS	AG OZS	SN %		CU %
0.0	14.0	Casing										
	19.5	Black graphitic shale, partings @ 30-60° c/a, dragfolded, fine 5 mm seams, massive py. @ 18.6										
	41.2	Black graphitic shale as above with 5% scattered quartz- carbonate veinlets										
	52.7	Limey shale, grey, banded with brecciated quartz-carbon- ate veinlets, 5 mm seam massive pyrite @ 44.2										
	61.3	Black graphitic shale, partings @ 60-75° c/a, 10% quartz- carbonate veinlets										
	66.2	Black graphitic shale, as above with 40% white quartz veinlets, broken ground 62.5 - 66.2										
	66.8	Fault zone with no perceptible movement @ 60° c/a										
	69.8	Black graphitic shale, as above with minor quartz-carb- onate veinlets and 5 mm massive pyrite seam @ 67.4										
	70.6	Fault zone as above										
	74.4	Black graphitic shale with grey banded limey shale sections @ 70° c/a										
	74.7	Zone of quartz-carbonate veinlets + several 5 mm pyrite seams		771R			0.30	0.002	Tr	0.05	0.01	0.02

LEGEND

Note; Core stored at core-rack on property

C/A - CORE AXIS

py - PYRITE

CORE Logged by: D.W. Tully

Bx - BRECCIATED

Mg - MAGNETITE

CORE Split by: L. Fenton

NA - NOT ASSAYED

Pb - GALENA

HOLE STARTED: August 27, 1981

Dis. - DISSEMINATED

Zn - SPHALERITE

HOLE FINISHED: September 8, 1981

f.g. - fine-grained

Po - PYRRHOTITE

m.g. - med. grained



HOLE No. K-7-81

CLAIM SKULL # YA 20910

Loc'n  
PROPERTY

COMPANY KIMBERLEY GOLD RESOURCES INC.

**DIAMOND DRILL CORE LOG - SAMPLE RECORD**

HOLE DEPTH 91.46m (300 ft.)

CORE SIZE 36 mm

HOLE DIRECTION 255°

DIP 50°

collar ELEV. 3450 ft. PAGE No. 1 of 1

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %
FROM	TO				From	To	Length M	AU OZS	AG OZS	SI %	
0.0	3.96	Casing									
	7.92	Limey Shale, banded @ 70° c/a, brecciated quartz - carbonate veinlets									
	16.77	Black shale with partings @ 70° c/a + 15% quartz-car- bonate veins									
	25.15	Grey felsite dyke med. gr. barren of mineralization									
	29.42	Black shale, broken ground sheared @ 90° c/a									
	29.88	Grey limey shale, banded @ 70-80° c/a with fine pyrite	772R			0.46	0.002	0.09	0.36	0.01	0.03
	30.49	Grey limey shale, 2-4 mm seams pyrite in brecc. qtz	773R			0.61	0.002	0.22	0.16	0.01	0.007
	64.63	Grey limey shale, with 20% bullish white quartz veins									
	68.90	Black shale with 10% white quartz veining									
	75.61	Limey shale banded @ 70-80° c/a									
	86.89	Limey shale with black shale horizons interbedded with 20% white quartz veining									
	91.46	Limey shale with scattered white quartz veining									
		END OF HOLE									

**LEGEND** NOTE: CORE STORED IN CORE-RACK ON PROPERTY

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Jully, P. Eng.

CORE Split by: Buster Groat

HOLE STARTED: September 9, 1981

HOLE FINISHED: September 20, 1981

HOLE No. K-8-81

CLAIM SKULL # YA20910

Loc'n  
PROPERTY

COMPANY \_\_\_\_\_ KIMBERLEY GOLD RESOURCES INC. \_\_\_\_\_

## DIAMOND DRILL CORE LOG - SAMPLE RECORD

HOLE DEPTH 89.33m (293 ft.)

CORE SIZE 36 mm

HOLE DIRECTION 135°

DIP 50°

collar ELEV. 3450 ft. PAGE No. 1 of 1

LENGTH IN METRES		DESCRIPTION	MINERALIZATION	SAMPLE No.	ASSAYS						Pb %	
FROM	TO				From	To	Length M	AU OZS	AG OZS	ZN %		CU %
0.0	4.57	Casing										
	16.77	Grey banded limey shale										
	17.38	Brecciated quartz vein with five 5-10 mm pyrite seams and disseminated pyrite with fine Pb		775R			0.61	0.004	5.01	0.15	0.01	4.28
	17.99	Black shale with abundant graphite										
	20.73	Brecciated white quartz-carbonate vein zone with black shale										
	33.94	Black shale with partings @ 60-90° c/a, graphitic										
	40.24	Black shale with glassy quartz vein - 1 cm massive pyrite seam		774R			0.30	0.002	0.10	0.46	0.01	0.05
	53.66	Black graphitic shale with partings @ 50-70° c/a										
	57.62	Felsite dyke with fine disseminated pyrite										
	67.99	Black graphitic shale with partings @ 45° c/a										
	89.33	Felsite dyke with sparse disseminated pyrite										
		END OF HOLE										

LEGEND

C/A - CORE AXIS

Bx - BRECCIATED

NA - NOT ASSAYED

Dis. - DISSEMINATED

f.g. - fine-grained

m.g. - med. grained

NOTE: CORE STORED IN CORE-RACK ON PROPERTY

py - PYRITE

Mg - MAGNETITE

Pb - GALENA

Zn - SPHALERITE

Po - PYRRHOTITE

CORE Logged by: D.W. Tully, P. Eng.

CORE Split by: Buster Groat

HOLE STARTED: September 21, 1981

HOLE FINISHED: October 2, 1981