

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 3352 ..... MAP.....

# 3352

GEOPHYSICAL REPORT

DKD Claims 1 through 6

1 mile south of Lakevale Railway Siding

38 miles southeasterly from Kelowna, British Columbia

49°, 119° NE

82 E / 11E

by

G. Ian Hall  
E. C. Burgan, P. Eng.

Owner of Claims: D. Ellison, Kelowna, British Columbia

Work Done: October 18, 1971 - October 24, 1971

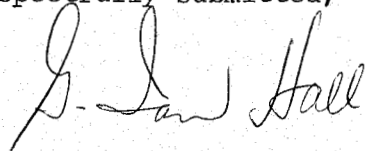
CERTIFICATE

November 1, 1971

I, G. Ian Hall, of 1916 Glenwood Drive, S.W., Calgary 2, Alberta,  
Canada do hereby certify that

- 1) I am an Exploration Geologist presently employed by Hudson's Bay Oil and Gas Company Limited.
- 2) I am a graduate of Michigan Technological University, Houghton, Michigan (B.S. (honors) Geology, 1965).
- 3) I am a graduate of the University of Wisconsin-Milwaukee, Milwaukee, Wisconsin (M.S. Geology, 1971).
- 4) I have been engaged in geological exploration in Ontario as a summer student from 1960 to 1965, and as a graduate geologist in Western Australia from 1965 to 1967, and in Alberta in 1971.
- 5) I was in charge of the assessment work described in this report.

Respectfully submitted,

A handwritten signature in cursive script that reads "G. Ian Hall". The signature is written in dark ink and is positioned below the typed name.

G. Ian Hall

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MAPS

X / Magnetometer Survey Results (1 inch to 400 feet) ..... Pocket

## INTRODUCTION

From October 18, 1971 to October 24, 1971, one geologist from Hudson's Bay Oil and Gas Company Limited, and an assistant carried out a ground magnetometer survey for assessment credit on claims DKD 1 through 6, numbers 34308 through 34313 in the Greenwood Mining Division, British Columbia.

## PROPERTY

### Ownership

Six claims DKD 1 through 6 were staked on November 2, 1970 and are owned by D. Ellison of Kelowna, British Columbia.

### Location

The claims are located 1 mile south of the CPR Lakevale Railway Siding about 38 miles south of Kelowna, British Columbia in the Greenwood Mining Division (NTS 82-E-11).

## ACCESS

Access is by Highway 33 southeasterly from Kelowna, about 35 miles, then about 3 miles south along a narrow, 4 wheel drive bush road to Lakevale Railway Siding. The claims lie 1 mile south along the tracks.

INSTRUMENTATION AND METHODS

The survey was carried out using a McPhar M700 Magnetometer.

Readings were recorded at 100 foot intervals along pace and compass lines about 400 feet apart using the centre claim line as a base line, and carrying the lines 1,500 feet from each side of this base line.

In anomalous area (Mag. line 4, Mag. line 8), readings were recorded at 25 foot intervals (Fig. 1, Pocket).

OBSERVATIONS AND INTERPRETATION

The majority of the claims lie on an east-south easterly facing 30-50 degree slope covered by glacial overburden of unknown thickness. The eastern portions of claims DKD 4 and DKD 6 lie on a steep west-north westerly facing slope. A CPR railroad line runs along the bottom of the valley near the centre of claims DKD 2, 4 and 6.

Outcrop exposures are scarce. The best exposures of altered and gneissic diorite occur in railroad cuts. Copper mineralization consisting of chalcopyrite with malachite staining is visible in claim DKD 2 in two railroad cuts. Specular hematite is associated with the copper mineralization in narrow fracture zones.

In the eastern portions of DKD 6, chalcopyrite was observed in fine grained mafic diorite cut by numerous narrow quartz and feldspar veins. Magnetite is visible in the rock to a maximum of about 20%, but averages 2-3% as fine disseminations.

A magnetic anomaly of up to fifty thousand gammas trends in a north-south direction from the eastern portion of Mag. line 4 to Mag. line 12. The copper mineralization is coincident with this magnetic anomaly. The geological contact between the gneissic diorite and mafic diorite was established, in part, on the basis of the magnetic anomaly.

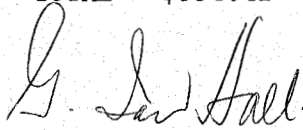
STATEMENT OF COSTS

The following is a detailed statement of the time and costs incurred while completing the assessment work.

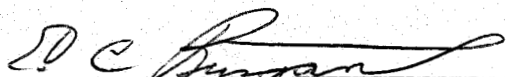
1. Days Worked: October 18, 1971 to October 24, 1971	7 days
2. Salaries: G. I. Hall, geologist in charge (\$32/day)	\$224.00
T. Koning, geological assistant (\$25/day)	175.00
3. Air Fares: Two return Calgary-Kelowna	144.00
4. Accommodation and Meals (7 days) (Receipt enclosed)	218.95
5. Vehicle Rental (\$15/day, 15¢/mile) (Receipt enclosed)	150.64
6. Miscellaneous (taxi, fuel, etc.)	<u>51.83</u>

TOTAL \$964.42

Signed:

  
G. Ian Hall

November 2, 1971

  
E. C. Burgan, P. Eng., B.C.

# Capri MOTOR HOTEL

SHOPS CAPRI  
Kelowna, B. C., Highway 97  
PHONE 762-5242

IN  
OUT

DATE	REFERENCE	CHARGES	CREDITS	BALANCE DUE	PICK UP
OCT 18	RESTR 621	B * 12.75			
OCT 18	BEVGE 621	B * 1.20			
OCT 18	BEVGE 621	B * 1.20			
OCT 18	VALET 621	B * 1.50		* 16.65	
OCT 18	ROOM 621	C * 18.00			
OCT 18	TAX 621	C * .90		* 35.55 *	
OCT 19	RESTR 621	A * 4.05		* 39.60	
OCT 19	RESTR 621	B * 10.75			
OCT 19	BEVGE 621	B * 1.20			
OCT 19	BEVGE 621	B * .60			
OCT 19	VALET 621	B * 1.25		* 53.40	
OCT 19	ROOM 621	C * 18.00			
OCT 19	TAX 621	C * .90		* 72.30 *	
OCT 20	RESTR 621	A * 4.00		* 76.30	
OCT 20	RESTR 621	B * 9.50			
OCT 20	BEVGE 621	B * 1.20			
OCT 20	BEVGE 621	B * .60			
OCT 20	VALET 621	B * 1.50		* 89.10	
OCT 20	ROOM 621	C * 18.00			
OCT 20	TAX 621	C * .90		* 108.00 *	
OCT 21	RESTR 621	A * 1.85			
OCT 21	RESTR 621	A * 2.20		* 112.05	
				<i>Bal. Fwd</i>	

REGARDLESS OF CHARGE INSTRUCTIONS, THE UNDERSIGNED GUEST  
ACKNOWLEDGES THE ABOVE AS A PERSONAL INDEBTEDNESS.

CHARGE TO: *Hwy 97 Bay Oil & Gas.*  
SIGNATURE: *P. Jan Hall*  
STREET: \_\_\_\_\_  
CITY - PROVINCE: \_\_\_\_\_

PHONE OUT \_\_\_\_\_ ROOM *621*  
PHONE IN *1504* RATE *1800*

**Nº 5860**



11 AM CR out

# Capri MOTOR HOTEL

SHOPS CAPRI  
Kelowna, B. C., Highway 97  
PHONE 762-5242

IN  
OUT

DATE	REFERENCE	CHARGES	CREDITS	BALANCE DUE	PICK UP
OCT 21	LDIST	B * 3.50			
OCT 21	LDIST	B * 2.20		* 117.75	
OCT 21	ROOM 621	C * 18.00			
OCT 21	TAX 621	C * .90		* 136.65 *	
OCT 22	RESTR 621	A * 3.55		* 140.20	
OCT 22	RESTR 621	A * 10.25			
OCT 22	BEVGE 621	A * 1.60			
OCT 22	BEVGE 621	A * 2.20			
OCT 22	VALET 621	A * 1.50		* 155.75	
OCT 22	ROOM 621	C * 18.00			
OCT 22	TAX 621	C * .90		* 174.65 *	
OCT 23	RESTR 621	A * 3.55		* 178.20	
OCT 23	RESTR 621	B * 13.50			
OCT 23	BEVGE 621	B * .60			
OCT 23	BEVGE 621	B * 1.20			
OCT 23	VALET 621	B * 1.50		* 195.00	
OCT 23	ROOM 621	C * 18.00			
OCT 23	TAX 621	C * .90		* 213.90 *	
OCT 24	PHONE 621	A * .20		* 214.10	
OCT 24	RESTR 621	B * 4.85		* 218.95	

REGARDLESS OF CHARGE INSTRUCTIONS, THE UNDERSIGNED GUEST ACKNOWLEDGES THE ABOVE AS A PERSONAL INDEBTEDNESS.

CHARGE TO: Huffman's Bay Oil & Gas.

SIGNATURE: J. Jan Hall.

STREET: \_\_\_\_\_

CITY - PROVINCE: \_\_\_\_\_

PHONE OUT 1505 ROOM 121

PHONE IN 1504 RATE 18.00

No 5213



THE ONLY CANADIAN NAME IN WORLD-WIDE CAR RENTALS

1 OWNER/LOCATAIRE  
**TILDEN RENT-A-CAR SERVICE**  
W. K. NERBUS LTD.  
Phone 762-4213 — Airport 765-7202  
Telex 048-5169  
1170 Harvey Ave., Kelowna, B. C.

20 CUSTOMER - LOCATAIRE  
 Mrs. Jan. Hall  
 Henderson Hwy. Exploration  
~~3-20th St. E/O~~  
 340-7th Ave S.W.  
 Calgary Alberta.

20 HEREBY RENTS TO UNDERSIGNED - PAR LA PRÉSENTE LOUE AU SOUSSIGNÉ

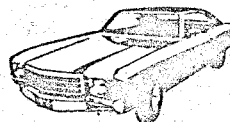
2 VEHICLE NO. VÉHICULE	3 LIC. NO.	4 MAKE-MARQUE	5 STYLE	25 DATE & TIME DATE & HEURE	IN RETOUR
	C49-260	Subaru	UXV		Oct. 24-71 1 P.M.
6 OWNER STAT - PROPRIÉTAIRE	7 TO BE CHECKED IN AT - ARRIVERA À	8 RETURN DATE - DATE DE RETOUR		26 DATE & TIME DATE & HEURE	OUT DÉPART
Henderson	Calgary A.P.	Oct. 24-71			19-11-4 1 P.M.
9 CREDIT CARD - CARTE DE CRÉDIT NO.	10 DESTINATION		27		
	Calgary Alberta		24 49 0		
11 DRIVER'S LIC. NO. CONDUCTEUR	12 PROV.	13 P.O. - BON DE COMM.	28		
96411999	Alta.		23 96 2		
49 ALTERNATE CAR AUTRE VOITURE			29		
MILES IN MILLES RETOUR			5 28		
MILES OUT MILLES DÉPART			@ 15 79 20		
MILES DRIVEN MILLES CONDUITS			30 @		
14 REMARKS - REMARQUES			31 HRS. HEURES @		
			32 DAYS JOURS 5 @ 15 75 00		
			33 WKS. SEM. @		
			23 TRAVEL AGENT DE VOYAGE <input type="checkbox"/>		
			34 TOTAL TIME & MILEAGE TOTAL TEMPS & MILLAGE 134 20		
			35 255 10 90 134 20		
			24 INTERCITY FEE TAUX INTERCITÉ		
			36 SUB-TOTAL SOUS-TOTAL 138 78		
15 COLLISION DAMAGE WAIVER - EXONÉRATION POUR DOMMAGES PAR COLLISION			37 SUB-TOTAL SOUS-TOTAL 138 78		
IN CONSIDERATION OF THE PAYMENT OF PER DAY			38 TAX TAX 5% 6 90		
EN CONSIDÉRATION DU PAIEMENT DE \$ 2.00 PER DAY PAR JOUR			39 COLLISION DAMAGE WAIVER. EXONORATION POUR DOMMAGES PAR COLLISION		
CUSTOMER'S LIABILITY FOR DAMAGE TO RENTED VEHICLE INCLUDING WINDSHIELD IS LIMITED TO \$ 500.00			40 OTHER AUTRE 11.00 4 92		
LA RESPONSABILITÉ DU LOCATAIRE POUR TOUS DOMMAGES CAUSÉS AU VÉHICULE LOUÉ EST LIMITÉE À \$ 500.00			41 RECEIPTS REÇUS		
PROVIDED ALL TERMS OF THE RENTAL AGREEMENT ARE COMPLIED WITH. T.V.P. IMPOSABLE SUR CE MONTANT AU QUÉBEC SEULEMENT.			42 DEPOSITS DÉPÔTS		
SIGNATURE OF RENTER OR EMPLOYEE OF RENTER			43 TOTAL CHARGES COÛT TOTAL 149 72		
SIGNATURE DU LOCATAIRE OU EMPLOYÉ DU LOCATAIRE X			44 LESS CREDITS À CRÉDITER		
16 I, THE UNDERSIGNED HAVE READ AND RECEIVED A COPY OF ABOVE AND REVERSE SIDE OF THIS CONTRACT. JE, SOUSSIGNÉ, AI LU ET REÇU UNE COPIE RECTO ET VERSO DU PRÉSENT CONTRAT.			45 BALANCE DUE SOLDE DÛ 150 64		
17 HOME ADDRESS ADRESSE DOMICILE 1916 - Glenwood Dr. S.W.			CASH COMPTANT <input type="checkbox"/>		
CITY VILLE Calgary Alta.			CHARGE À FACTURER <input type="checkbox"/>		
18 LOCAL ADDRESS ADRESSE LOCALE			46 RECEIVED REFUND (TO BE INITIALED BY RENTER) REMBOURSEMENT REÇU (À ÊTRE INITIÉ PAR LE LOCATAIRE)		
19 TÉL. NO.			INIT.		

CUSTOMER IS LIABLE FOR ALL PARKING AND TRAFFIC VIOLATIONS.

LOCATAIRE RESPONSABLE POUR TOUTES CONTRAVENTIONS DE STATIONNEMENT OU DE CIRCULATION.



CUSTOMER - CLIENT



TILDEN FEATURES CHEVROLETS AND OTHER FINE CARS  
TILDEN VOUS OFFRE DES CHEVROLET OU AUTRES SUPERBES VOITURES.  
IN THE U.S.A. IT'S NATIONAL CAR RENTALS  
AUX ÉTATS - UNIS, NOUS SOMMES AFFILIÉS À LA NATIONAL CAR RENTALS

Exact total  
Oct. 20/71  
98-74570

3352



Fin to medium grained mafic diorite cut by numerous qtz and/or feldspar veins up to 1/2" wide Magnetite disseminated throughout to a maximum of 20% averaging 2-3%. Chalcopyrite present as blebs in the mafic diorite (MAG LINE B. 1450W of eastern claim boundary), in a 6" quartz vein (MAG LINE A. 3150W of eastern claim boundary), and in silicified, epotized diorite (MAG LINE A. 4175W of eastern claim boundary).

Mainly gneissic diorite strongly jointed, occasional 1/2" feldspar veins

Thinly jointed mafic diorite cut by numerous thin qtz-feldspar and siliceous veins. Specular hematite common along major fracture surfaces. Alteration products epidote, chlorite, biotite. Two major shear zones (2" wide on northern etc., 4-5" wide on southern etc.) contain abundant gossin, specular hematite & chalcopyrite. Both outcrops have abundant barren hair line fractures.

- ⊕ claim post
- outcrop outline
- 15' altitude of gneissosity
- 35' altitude of jointing
- γ magnetometer values in gammas (datum arbitrary)
- - - inferred geological contact between mafic diorite & gneissic diorite
- major shear zone

M-1  
3352

J.C. Burgan B.C.  
P.O.N.G.

J. Saw Hall  
Nov. 5, 1971  
FIG 1

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 3352 MAP #1

To accompany geophysical report by G.I. Hall on claims DKD 1 thru 6 South of Lakevale railway siding, Greenwood Mining Division B.C. dated November 11, 1971.

Hudson's Bay Oil and Gas Co Ltd Minerals Exploration		
MAGNETOMETER SURVEY RESULTS		
CLAIMS DKD 1-6		
Greenwood Mining Div	DATE	AUTHOR
SCALE 1" = 400'	Nov. 1, 1971	G.I. HALL