

5144

1974 Assessment Report

94E/2W

TITLE	Finlay River Property (VIP Claims)
AUTHOR	C.J. Hodgson, P.Eng. (B.C.)
DATE	September, 1974
COMMODITY	Cu
LOCATION-Area	East Stikine
-Mining Division	Omineca
-Coordinates	Latitude 57°10'N, Longitude 126°52'W
-NTS	94E/2W

AMAX VANCOUVER

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5144	MAP.....

TABLE OF CONTENTS

SUMMARY..... 1

INTRODUCTION

 General Statement..... 2

 Location and Access..... 2

 Claims..... 2

GENERAL GEOLOGY..... 3

APPENDIX I - STATEMENT OF COSTS

APPENDIX II - STATEMENT OF QUALIFICATIONS

APPENDIX III - CONTRACTOR'S INVOICES

ILLUSTRATIONS

Figure 1 #1 - Location----- (1:250,000)---After Page 2

 #2 2 - Claim Map----- (1:32,640)---After Page 2

 #3 3 - Geology----- (1"=1000') ---In Pocket

SUMMARY

Reconnaissance geological evaluation of the VIP claims was conducted by the writer and assistant between July 26 - 30, 1974. The claims are underlain for the most part by granodiorite, with several "roof pendants" or inclusions of metasiltstone and marble of unknown age. Late porphyritic monzonite dykes trend north-westerly and intrude both granodiorite and metasedimentary rocks.

Mineralization consists of several chalcopyrite - sphalerite skarn occurrences in the metasedimentary "pendants", a cupriferous shear vein in granodiorite and cupriferous gash veins in metasiltstone adjacent to granodiorite. The last two occurrences occur in close proximity to porphyritic monzonite dykes and may be directly related to them.

INTRODUCTION

General Statement

This report presents a brief description of geology on the VIP claims, based on work performed by the writer assisted by M.L. Adelaar during the period July 26 - 30, 1974. Previous work consisted of preliminary geochemical and geological reconnaissance by D.G. Allen and assistants in 1973 which led ultimately to staking of the claims.

Location and Access

The property is located approximately eight miles north of Thutade Lake between the Finlay River and Drybrough Peak at latitude $57^{\circ}10'N$ and $126^{\circ}52'W$. Elevations on the property range from 3800 feet to 5000 feet and vegetation consists of open jack-pine and spruce. Access is by fixed-wing bush plane from bases at Smithers or Prince George to a strip at Black Lake approximately ten miles northwest of the property and by helicopter from Black Lake.

Claims

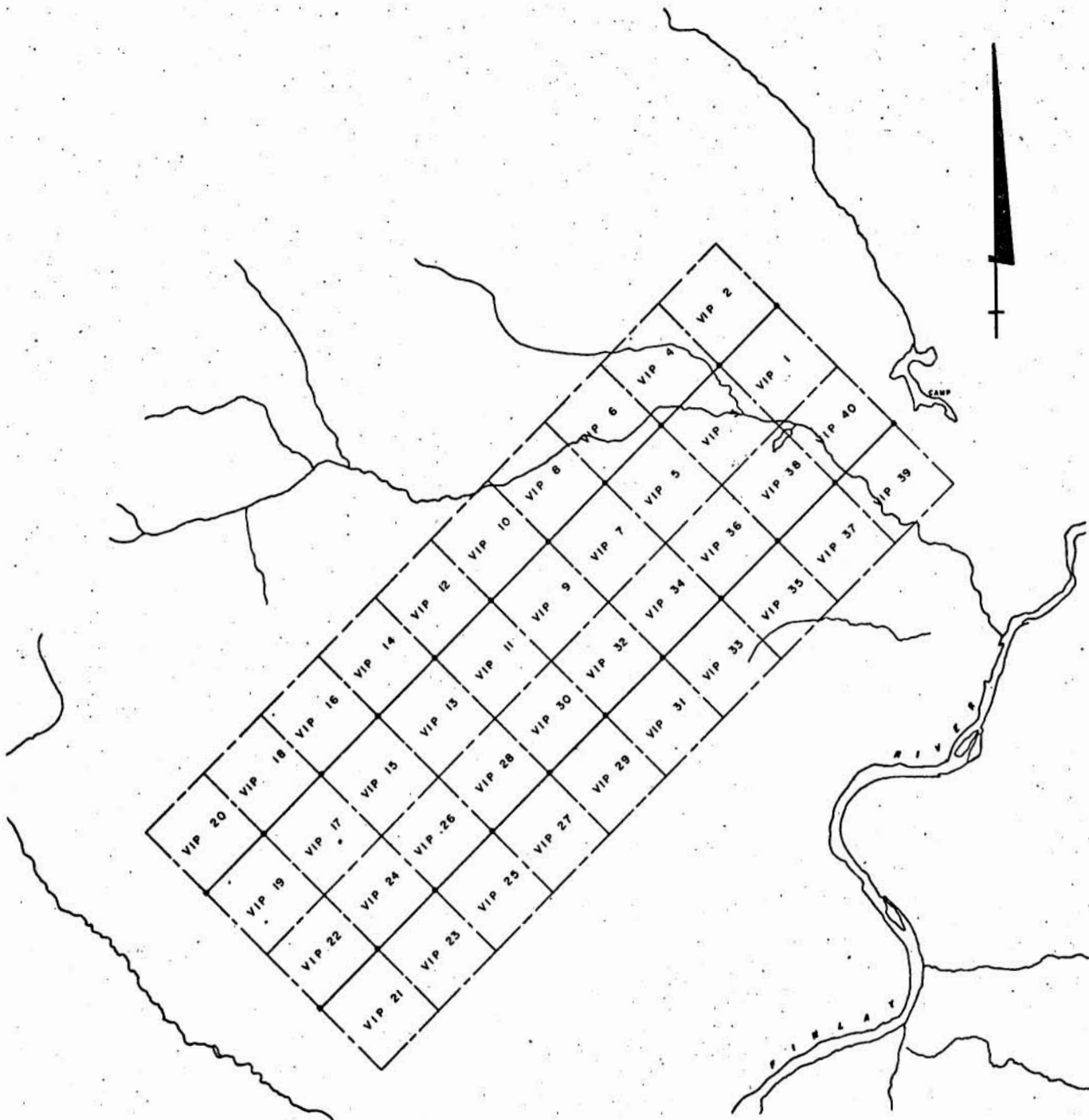
The property consists of 40 VIP claims (VIP #1 to #40, record numbers 127694 to 127733, respectively) located in the Omineca Mining Division and recorded on August 22, 1973 for Amax Exploration, Inc.



AMAX EXPLORATION, INC.
FINLAY RIVER PROPERTY

Department of **Omineca M.D. - B. C.**
Mines and Petroleum Resources
LOCATION
ASSESSMENT REPORT
 Scale 1:250,000
 NO. **5144** MAP **#1**

C. H. Spence



AMAX EXPLORATION, INC.

Department of MINES AND PETROLEUM RESOURCES
 FINLAY RIVER PROPERTY
 Omineca M.D. - B.C.
 ASSESSMENT REPORT
 NO. **5144** MAP **#2**

CLAIM MAP

Handwritten signature

SCALE 2000 0 2000 FEET
 1: 32,640

N. T. S. Ref. 94 E 2
 FIG. 2

GENERAL GEOLOGY

Outcrop is reasonably abundant throughout most of the property and consists of three main rock types: fine grained meta-siltstone, coarse grained marble, and medium grained granodiorite-quartz monzonite. In addition, late pink, leucocratic monzonite-syenite dykes occur rarely in the granodiorite.

Fine grained dark grey micaceous metasiltstone and coarse and white coarsely crystalline marble occur together as meta-sedimentary lenses (roof-pendants?) within granodiorite. At least three separate inliers occur within the granodiorite on the property. Attitudes are northeasterly with vertical dips.

Uniform homogeneous hornblende biotite granodiorite and/or quartz monzonite underlies most of the claims. It is for the most part medium to coarse grained with an anhedral interlocking texture although towards the contacts it assumes a finer grained texture and plagioclase becomes subporphyritic. Locally brick-orange hematite becomes very prominent on joints and this type of alteration becomes pervasive in places particularly in the vicinity of late monzonite porphyry dykes.

Two monzonite porphyry dykes were noted on the property. These trend northwesterly with vertical dips and range between 50 and 300 feet in width. At the margins they consist of plagioclase phenocrysts in a very fine grained grey-green matrix grading into subporphyritic pink monzonite or syenite in the center of the dykes. The dykes cut both metasedimentary rocks and granodiorite.

Observed mineralization on the property consists of the following: 1) Minor chalcopryite and pyrite in garnet skarn at H145. 94E-47

2) Chalcopryite and magnetite with actinolite and quartz in skarn boulders at H134.

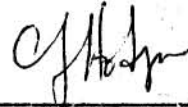
3) Sphalerite-chalcopryite-pyrite-specularite disseminated in limestone breccia at H135. Again, this is probably 248

a skarn feature.

4) Chalcopyrite and pyrite in gash veins up to one half an inch wide in chloritized siltstone immediately at the granodiorite contact at H146. This showing was found in talus blocks, but not in place.

5) Chalcopyrite-pyrite-magnetite shear vein trending north-westerly in granodiorite at H124. -49

Several northwesterly trending faults are indicated on the claims by measured offsets and airphoto lineaments. These faults may be closely related genetically with the late porphyritic monzonite dykes.



C.J. Hodgson, P.Eng. (B.C.)

September, 1974

APPENDIX I - STATEMENT OF COSTS

Period of Work July 26 - 30, 1974

Summary of Work Geological Survey

Personnel & Salaries

C.J. Hodgson, P.Eng. (B.C.), Geologist, 601-535 Thurlow Street
Vancouver, B.C.

5 days @ \$89.50/day \$ 422.50

Martin Adelaar - Labourer, 4970 Keith Road, West Vancouver
5 days @ \$23.94/day 119.70

Helicopter

Okanagan Helicopters Ltd. - 4.9 hours 1,484.70

Room & Board

10 man days @ \$20.00/day 200.00

Report Preparation and Drafting 200.00

\$2,426.90
=====

We wish this work applied as one year each to

VIP 5, 7, 9, 11, 29, 30, 31, 32, 33, 34, 36, 38

Declared before me at the City
of Vancouver, in the
Province of British Columbia, this 23
day of Sept 1974, A.D.

Elizabeth H. Boyd

C.J. Hodgson

Julie Jensen
A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.
Sub-mining Recorder

APPENDIX II

STATEMENT OF QUALIFICATIONS

NAME: Martin L. Adelaar

EDUCATION: Weymouth High School, Weymouth, N.S. 1972

University of Dalhousie, Dalhousie, N.S. 1974

EXPERIENCE: Rudolf Van Der Walde Co. - Summer 1972 - labourer

N.S. Dept. of Highways - Summer 1973 - labourer

APPENDIX III



OKANAGAN HELICOPTERS LTD.

HEAD OFFICE
 439 AGAR DRIVE
 INTERNATIONAL AIRPORT SOUTH
 VANCOUVER, B.C. V7B 1A5
 TELEPHONE (604) 278-5502 TELEX 04-5088 B3
 CHARTERER'S BILLING ADDRESS

AMAX.

601 - 535 THURLOW

VANCOUVER B.C.

ACCOUNT NUMBER				55780		
INVOICE DATE	FLIGHT DATE	DAY	MONTH	YEAR	TYPE OF FLYIN	
	30	07	74			
AIRCRAFT TYPE	BASE			BASE NO.		
206B	EDDON			95		
TYPE OF CONTRACT - X			FLIGHT LOCATION			
			FINLAY			
HOURLY <input checked="" type="checkbox"/>	DAILY MINIMUM 1 TO 29 DAYS	30 DAYS OR MORE		FLIGHT LOCATION		
			EDDON R			
IND. CLASS	AIRCRAFT REG. NO. CF.		PILOT 1		PILOT 1	
03	HTP		R. GIBSON		75	
STATE OF AIRCRAFT - X			PILOT 2		PILOT 2	
UNSERVICABLE			STORED			

FUEL & OIL - X	FLYING HOURS ACCORDING TO FUEL USED	PURCHASE ORDER NO.
<input checked="" type="checkbox"/>		
CUST.	O.H.L.	CUST.

OPERATION	TAKE-OFF	LAND	FLYING TIME								
EDDON - DIRECT TO PROPERTY AT FINLAY PICK UP 2 MEN and RETURN EDDON.			2.4								
<table border="1"> <tr> <th>APPROVED</th> <th>DATE</th> </tr> <tr> <td>Project</td> <td>Est. Amt</td> </tr> <tr> <td>656</td> <td>8684</td> </tr> <tr> <td></td> <td>727.20</td> </tr> </table>			APPROVED	DATE	Project	Est. Amt	656	8684		727.20	
APPROVED	DATE										
Project	Est. Amt										
656	8684										
	727.20										

ENG. NAME - 1.	ENG. NAME - 2.		7.4
EXTRA CHARGES OR ADJUSTMENTS		AMOUNT	NON-REV. HRS.
3498		AUG 15 74	2.4
			REVENUE HOURS
			285.00
			TARIFF
			75
			AMOUNT
			684.00
			FUEL:
			52.8 HRS. @
			39.60
			Del 2.4 hrs @ 150 Av.
			3.60
			EXTRA CHARGES OR ADJUSTMENTS
			NO. OF PASSENGERS
			2
			\$ 727.20
			FREIGHT LBS.
SIGNED FOR CHARTERER BY		SIGNED FOR OKANAGAN HELICOPTERS LTD. BY	
C.J. Hodgson		[Signature]	

FLIGHT REPORT
 CUSTOMER COPY



OKANAGAN HELICOPTERS LTD.

HEAD OFFICE
 439 AGAR DRIVE
 INTERNATIONAL AIRPORT SOUTH
 VANCOUVER, B.C. V7B 1A5
 TELEPHONE (604) 278-5502 TELEX 04-5088 83
 CHARTERER'S BILLING ADDRESS

51998

AMAX.
601-535 THURLOW
VANCOUVER B.C.

ACCOUNT NUMBER				INVOICE DATE	FLIGHT DATE	DAY	MONTH	YEAR	TYPE OF FLY
					27	07	74		
AIRCRAFT TYPE	206B			BASE	EDDON				BASE NO
									9
TYPE OF CONTRACT - X	HOURLY			FLIGHT LOCATION	FINLAY R.				FLIGHT LOCATION
									5
IND. CLASS	AIRCRAFT REG. NO. CF.		PILOT 1		PILOT 1				PILOT 1
03	HTD		R. GIBSON		7				
STATE OF AIRCRAFT - X		PILOT 2		PILOT 2					
UNSERV-ICEABLE		STORED							

FUEL & OIL - X	FLYING HOURS ACCORDING TO FUEL USED		PURCHASE ORDER NO.	
<input checked="" type="checkbox"/> O.H. CUST.	O.H.L.	CUST.		

OPERATION	TAKE-OFF	LAND	FLYING TIME
EDDON - FLY 2 PERSONS			1.3
AND RETURN EDDON			1.2
			2.5

APPROVED	DATE
Project	Exp. Code
656	8684
AMOUNT	
757.50	

ENG. NAME - 1.	ENG. NAME - 2.	NON-REV. HRS.	REVENUE HOURS	TARIFF	AMOUNT
			2.3	285.00	712.50
EXTRA CHARGES OR ADJUSTMENTS		FUEL:			
1038498 AUG 1974		2.5 HRS. @ 15			41.25
		EXTRA CHARGES OR ADJUSTMENTS			3.75

SIGNED FOR CHARTERER BY	SIGNED FOR OKANAGAN HELICOPTERS LTD. BY	NO. OF PASSENGERS	FREIGHT LBS.	AMOUNT
C. J. Hodgson	[Signature]			\$ 757.50

FLIGHT REPORT
 CUSTOMER COPY



LEGEND

- 4 Monzonite porphyry dyke.
- 3 Granodiorite.
- 2 Coarsely recrystallized marble.
- 1 Metasiltstone, gneiss.

SYMBOLS

- Outcrop, suboutcrop or boulders.
- Geological contact (defined, approximate, assumed).
- Fault (assumed).
- Foliation.
- Bedding.
- Note number.
- Claim post, claim location line.
- Claim boundary.

5144 m3

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5144 MAP #3

C. J. Hodgson

AMAX EXPLORATION INC.

FINLAY RIVER PROPERTY
OMINECA MINING DIVISION — BRITISH COLUMBIA

GEOLOGY

SCALE $\frac{1}{12,000}$ FEET

DATE REVISION	DATE PRINTED	Drawn by: H.C.P.	FIG. 3
		Date	
		N.T.S. File	94 E 2

To accompany "1974 GEOLOGICAL ASSESSMENT REPORT"
by: C. J. Hodgson.