

84-#618 - 12646

COMINCO LTD.

EXPLORATION

NTS: 82E/4E

WESTERN DISTRICT

27 July 1984

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,646

ASSESSMENT REPORT

ON

DIAMOND DRILLING

ON THE

WYNN M (L5/4)

CROWN GRANTED MINERAL CLAIM

OSOYOOS M.D.

LATITUDE: 49°12'N

LONGITUDE: 119°38'W

OWNER: Fairview Mining Company Ltd.

OPERATOR: Cominco Ltd./700-409 Granville Street, Vancouver, B.C.

WORK PERFORMED: April 11-16, 1984

Reported by:

W.E. WILEY

TABLE OF CONTENTS

INTRODUCTION 1 ✓
HISTORY 1 ✓
GEOLOGY 1 ✓
DRILLING 2 ✓
CONCLUSIONS 2 ✓

APPENDIX I - Statement of Expenditures ✓

II - Drill Log Record ✓

III - Authors Qualifications ✓

FIGURES 1 - Location 1:50,000 follow ~~p. 1~~ ✓

2 - Location 1:3,600 follow ~~p. 2~~ , *procrat.*
Geology

COMINCO LTD.

EXPLORATION
NTS: 82E/4E

WESTERN DISTRICT
27 July 1984

INTRODUCTION

The Wynn M Crown granted mineral claim (L.554) is located in the Southern Okanagan, 11 km west of Oliver, B.C. The property is situated near the Oliver-Cawston gravel road (see Figure 1). Topographic relief in the area is moderate, elevations range from 800 to 900 m above sea level. Vegetation on the claim consist of open forest (Douglas Fir, Red Pine). The Wynn M claim is owned by the Fairview Mining Company Ltd., which is controlled by Asarco Inc. The property is currently under option to Cominco Ltd., 700-409 Granville Street, Vancouver,

HISTORY

The Wynn M is part of the Fairview Gold Mining Camp. The Fairview camp saw its first activity at the turn of the century till 1903. Activity in the Fairview camp returned in the 1930's with mining at the Morning Star, Stemwinder and Fairview Mines. By 1940 mining ceased till September 1946 when Cominco resumed mining at the Fairview Mine. This mine was used as a silica source for the Trail smelter till 1961 when it closed.

Exploration in the camp resumed in 1980, under joint agreement between Asarco and Cominco. Drilling was done on the Wynn M claim in 1982 (Assessment report by W.E. Wiley, March 19, 1982) and 1984.

GEOLOGY

The claim is underlain by Kobau group metasediments of undetermined, but pre-Cretaceous age. The Kobau group consists of phyllite, quartzites and metavolcanics intruded by the Oliver granite to the north and the Fairview granodiorite to the south. Locally on the claim, the Kobau group consists of quartzites, striking N50°W and dipping 40 to 70° to the NE. Quartzites are in contact with Fairview granodiorite near the southern boundary of the claim (see Figure 2). Mineralization consists of quartz veins, which generally conform with laminations in the quartzites. Quartz veins generally consists of 98% white translucent quartz, 1% sulphides: pyrite>galena>sphalerite>chalcopyrite and 1% sericite and clay and carry gold and silver values.

DRILLING

Drilling was done on the property in April and May 1984. The work was done by D.W. COATES ENTERPRISES LTD. of Richmond, B.C. with a Longyear 44 diamond drill and NQ size equipment. Drill cores are stored near the claim on the land of Mr. Otto Hess, a local resident.

This report concerns hole 84-1. The hole was aimed at intersecting a quartz vein outcropping nearby and intersected in previous drilling. A vein was intersected over 13.5' (4.1 m) at 567' (172.8 m), grading 0.034 oz Au, .43 oz Ag/ton. Expenditures are detailed in Appendix I and drill log records and analysis can be found in Appendix II.

CONCLUSIONS

Hole 84-1 intersected the expected quartz vein. The intersection is of too low a gold/silver grade to be of economic interest.

Reported by: W.E. Wiley

W.E. Wiley
Project Geologist

Endorsed by: M. Osatenko

M.J. Osatenko
Senior Geologist

Approved for
Release by: G. Harden

for G. Harden
Manager, Exploration
Western District

WEW/cgs

Distribution:

Mining Recorder (2)
Western District
WEW

APPENDIX I

STATEMENT OF EXPENDITURES

1984 Diamond Drilling on WYNN M Crown Grant Mineral Claim, April 11-16, 1984

Salary - W.E. Wiley	5 days at \$235	\$ 1,175.00
Domicile	5 days at \$50	250.00
Transportation	5 days at \$50	250.00
Diamond Drilling (Direct Charges Invoice D.W. Coates Enterprises Ltd.)		
Hole 84-1	0.0 - 6.0' (1.83 m) at \$17.50/ft = \$	105.00
	6.0 - 500.0' (152.39 m) at \$17.60/ft =	8,694.40
	500.0 - 705.0' (214.87 m) at \$18.60/ft =	<u>3,813.00</u>
		\$12,612.40
		<u>12,612.40</u>
		\$14,287.40

APPENDIX II

DRILL LOG RECORD

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FAIRVIEW	District	Hole No.	FV 84-1
Commenced	April 11, 1984	Location	Tests at	400'=76° 700'=74°
Completed	April 16, 1984	Core Size	Corr. Dip	NQ
Co-ordinates	9,166.77 N 10,467.23 E		True Brg.	S 41° W
Objective	Testing Fairview main vein on Asarco ground.		% Recov.	99%
			Date	April 17, 1984

Claim
WYNN M c.g. L.554

T Brg. S 41° W

Collar Dip -80°

Elev. 2893.07

Length 705'

Hole No. 84-1 Sheet 1

Footage From To	Description	Sample No.	Length	Analysis			
				A	u	A	g
				oz	ppb	oz	ppm
0 - 6.0	Casing						
6.0 - 16.5	Felsic dyke or sill - light grey, intense rust stain to 10.0.						
16.5 - 40.0	Grey laminated quartzite - laminations are up to 1/2" wide caused by concentrations of fine biotite alternating with purer quartzite. Core angle at 31' = 54°						
40.0 - 60.0	Feldspar porphyry - medium to dark grey, fine to medium grained. Phenocrysts are whitish and less than 1/16". This unit could have once been a volcanic tuff or a greywacke, and the porphyry a metamorphic effect.						
60.0 - 85.0	Dark grey laminated siliceous argillite. Minor pyrite as blebs and along laminae. 6" old grey quartz vein at 73.5'. Section from 78.0 to 81.5 similar to 40.0 to 60.0. Core angle at 71' = 56°.						
85.0 - 97.0	Granodiorite - coarse grained, grey, biotite rich, lower contact at 50°. This unit is similar to hole 83-12 at 237.2' to 241.3'.						

WZWil

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FAIRVIEW	District		Hole No.	FV 84-1
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim	WYNN M c.g. L.554	Collar Dip		Elev.		Length		Hole No.	FV 84-1	Sheet	2
T Brg.											

Footage From	To	Description	Sample No.	Length	Analysis				
					Auoz	ppb	Agoz	ppm	
97.0	178.0	Grey laminated quartzite, occasional sericitic section. Bedding contorted 162' to 173.0'. Quartz vein 150-151' (a few shear planes with thin chlorite or pyrite 150.0 - 151.0 Core angle at 102' = 55°, 111' = 70°, 131' = 58° 150' = 48°, 157' = 55°	26711	1.0'		302		3.8	
				177 - 178.0	26712	1.0	58	<.4	
178.0	181.0	Quartz vein - pyrite with chlorite ≈ 20% over 0.5' at 178.8, occasional speck of sphalerite and possible smear of galena. This vein is likely same as at surface just back of hole 82-6 Upper contact = 52°	26713	3.0	0.042		0.18		
181.0	183.0	Mixed quartzite, vein and felsite.	26714	2.0		82		<.4	
183.0	183.5	Quartzite							
183.5	198.5	Felsite - light colour, grey with greenish tinge, disseminated pyrite.							
198.5	227.5	Grey laminated quartzite, slightly bleached and altered appearance. Core angle at 208' = 40°							

WZLW

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FAIRVIEW	District	Hole No.	FV 84-1
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Claim
WYRN N c.g. L.544

T Brg.

Collar Dip

Elev.

Length

Hole No.
FV 84-1
Sheet
3

Footage From To	Description	Sample No.	Length	Analysis					
227.5 - 353.0	Grey laminated quartzite, laminae are very thin. Dark porphyry sill 262 to 263. Probable shear at 330' not very intense. 6" with chlorite at 334.5'. Core angle at 245' = 50° 259' = 48° 269' = 49° 279' = 54° 306' = 45° 334' = 55° 347' = 42°								
353.0 - 367.0	Biotite quartzite - crinkly appearance. Core angle at 356' = 54°								
367.0 - 396.0	Grey laminated quartzite. Core angle at 391' = 50°.								
396.0 - 518.5	Biotite quartzite - brown appearing biotite, crinkly appearance. Biotite content variable so there is some sections of purer quartzite. 1" carbonate vein at 30° to core at 471'. Core angle at 412' = 50° 445' = 57° 464' = 60° 476' = 57° 501' = 54°								
518.5 - 540.5	Quartzite, lighter coloured purer quartzite still with some carbonaceous material, also more massive and mossy appearance. Fractured from 535.5 to base but healed - minor vein quartz and carbonate and some felsite filling spaces, also chlorite. Specks of pyrite and pyrrhotite (?).								

WZW

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FAIRVIEW	District	Hole No.	FV 84-1
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Claim
WYNH M c.g. L.554

T Brg.

Collar Dip

Elev.

Length

Hole No. Sheet

Footage From To	Description	Sample No.	Length	Analysis			
				Au oz	ppb	Ag oz	ppm
540.5 - 543.0	6" gouge at start followed by 1' of black carbonaceous argillite, followed by quartzite with sericite.						
		26715	1.5'		258	2.7	
543.0 - 546.5	Quartz Vein - mixed with quartzite, minor-small specks of pyrite galena and sphalerite and chalcopyrite. Upper contact at 53°	26716	3.5'	0.54		1.98	
546.5 - 559.0	Grey laminated quartzite, 3" granite sill @ 551.0, somewhat broken 553.8 to 556.5. Grey green sill 556.5 - 558.0. Some qtz vein material in sheared section as fragments. Shearing about 20° to core.						
		26717	5.0'		38	3.6	
		26718	5.0'	0.060		0.70	
		26719	2.5'		80	1.9	
559.0 - 560.2	Quartz vein	26720	1.2'	0.052		1.06	
560.2 - 567.0	Quartzite grey laminated variety but altered including possible garnets at 565.0, a few 1" veins 563.5-564.5 with pyrite and galena						
		26721	4.8'	0.040		0.70	
		26722	2.0'	0.008		0.01	

WSEW

Scale

Colour Plot
& Dip

Drill Hole Record



Property		District	Hole No.		c.g. L. 554		Claim M YNN M	T Brg.	Collar Dip	Elev.	Length	Hole No. FV 84-1	Sheet 5
Commenced		Location	Tests at	Hor. Comp.									
Completed		Core Size	Corr. Dip	Vert. Comp.									
Co-ordinates		True Brg.	Logged by										
Objective		% Recov.		Date									
Footage From	To	Description	Sample No.	Length	Analysis								
567.0	580.5	Quartz vein, occasional pyrite bleb often with a speck of galena. Occasional sericite whisps at about 60° to core.			Au	ppb	Ag	ppm					
		Quartzite mixed in after 577.0. Possibly 1 or 2% sulfides 579.5 to 580.5 with pyrite sphalerite and galena.											
			567.0 - 570.0	26723	3.0'	0.016	0.05						
		567.0-580.5 = 13.5' @ 0.034/0.43	570.0 - 573.0	26724	3.0'	0.048	0.94						
			573.0 - 577.0	26725	4.0'	0.040	0.60						
			577.0 - 580.5	26726	3.5'	0.030	0.12						
580.5	623.5	Grey laminated quartzite, minor broken section 583.0. Bleached section with fragments of granitic material 583.5 to 588.0 also some fragments of vein quartz in the section.											
			580.5 - 583.0	26727	2.5'		24		1.0				
		Core angle at 592' = 60°, 604' = 58°.											
623.5	635.5	Grey laminated quartzite but broken, probably representing a fault zone. Gouge 629 to 632.5. Quartz vein 631 to 632. Shearing looks almost parallel to core.											
635.5	637.0	Grey brown sill or possibly bleached section.											
637.0	651.5	Dark grey laminated quartzite. Core angle at 640' = 55°.											

WSW

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FAIRVIEW	District	Hole No.	FV 84-1
Commenced	Location		Tests at	Hor. Comp.
Completed	Core Size		Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Claim WYNN M c.g. L.554
T Brg.
Collar Dip
Elev.
Length
Hole No. FV84-1
Sheet 6

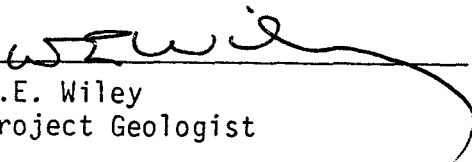
Footage		Description	Sample No.	Length	Analysis					
From	To									
651.5	656.5	Dark grey green porphyritic sill from 651.5 to 653.0 and 655.0 to 656.5 separated by dark grey quartzite.								
656.5	691.0	Dark grey laminated quartzite with 3" granitic sill at 679, 8" quartz vein at 680.2. Core angle at 686' = 50°.								
691.0	693.0	Granite - medium grained grey cuts core at 45° opposite to laminae.								
693.0	705.0	Biotite quartzite. Core angle at 703' = 50°								

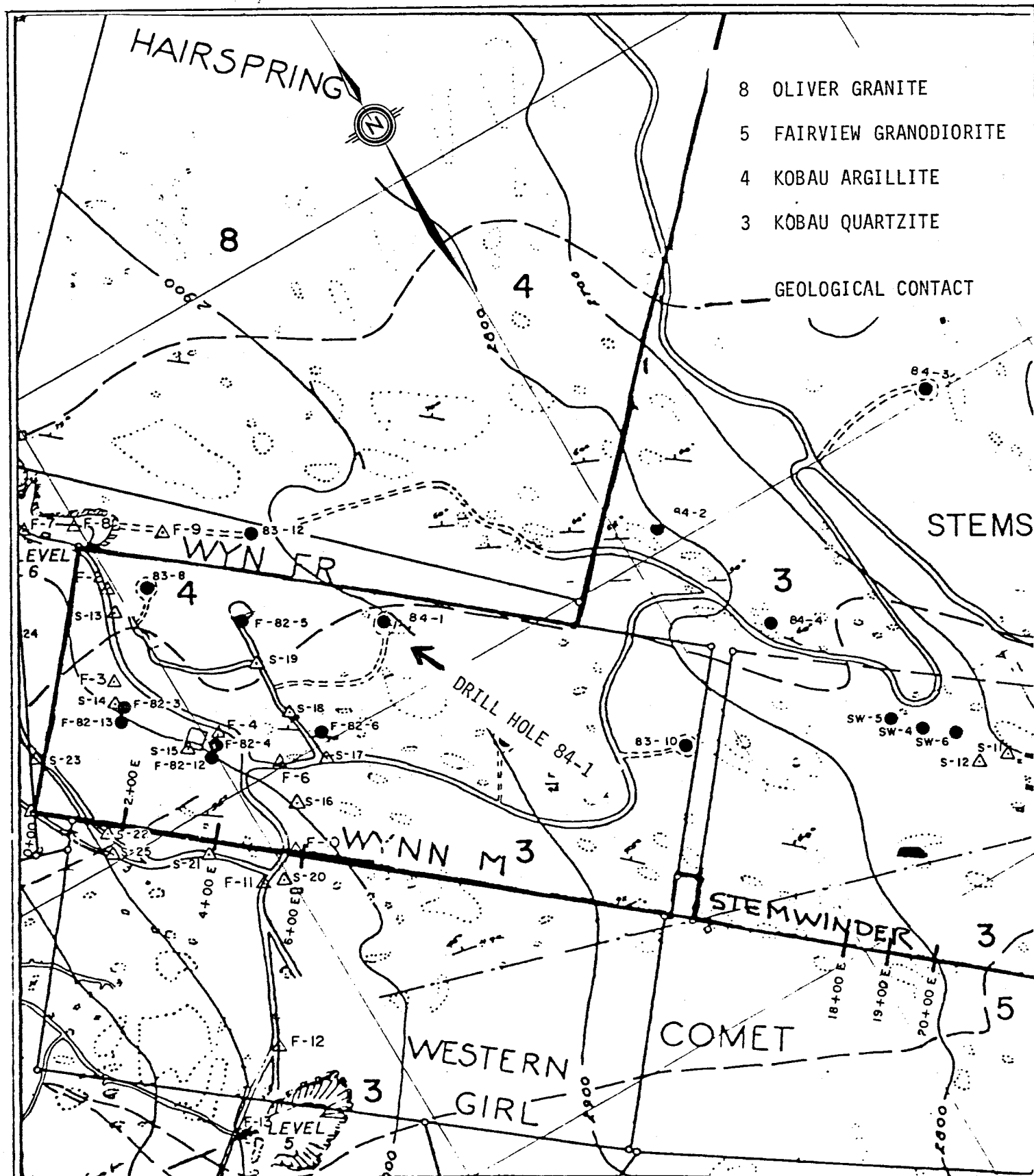
652W

APPENDIX III
STATEMENT OF QUALIFICATIONS

I, WILLIAM ELDEN WILEY, hereby declare that I was graduated from the University of Western Ontario with an Honours B.Sc in geology during 1961 and further received an M.Sc in geology from the University of Saskatchewan during 1970. Since graduation, I have been employed by Hudson Bay Mining and Smelting from 1961 to 1964 and with Cominco Ltd. since 1964. During the period of employment I have been engaged in many aspects of exploration and mine geology.

Dated this 30 day of July 1984
at Vancouver, British Columbia.

Signed: 
W.E. Wiley
Project Geologist



Drawn by: WEW	Traced by:
Revised by: _____	Date: _____
Revised by: _____	Date: _____
Revised by: _____	Date: _____
Revised by: _____	Date: _____
Revised by: _____	Date: _____

WYNN M C.G.




DDH 84-1

LOCATION AND GEOLOGY

Scale: 1:3600

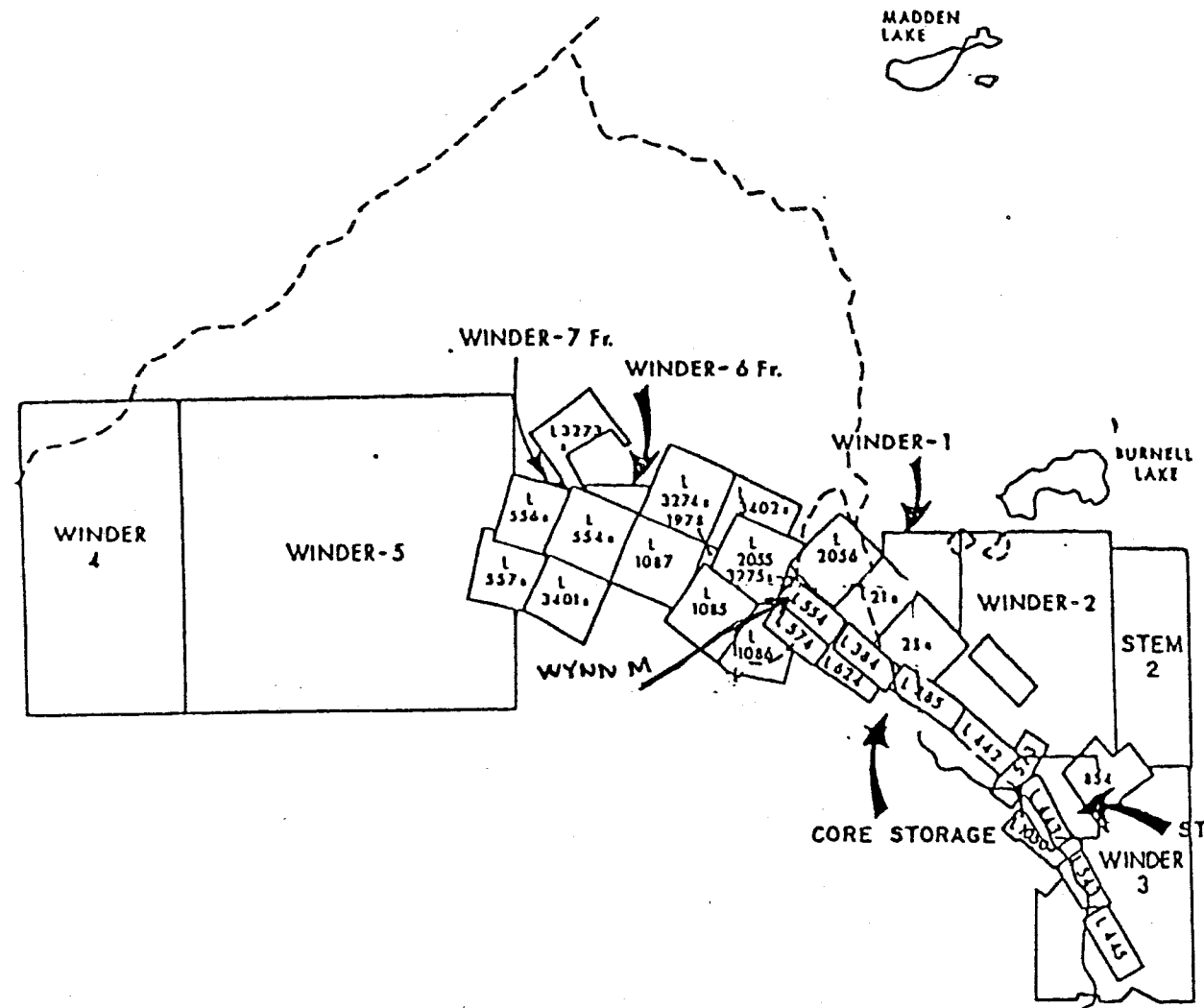
Date: July 84

Plate: 2

-  COMINCO CROWN GRANTS
-  COMINCO RECORDED CLAIMS
-  ASARCO CROWN GRANTS

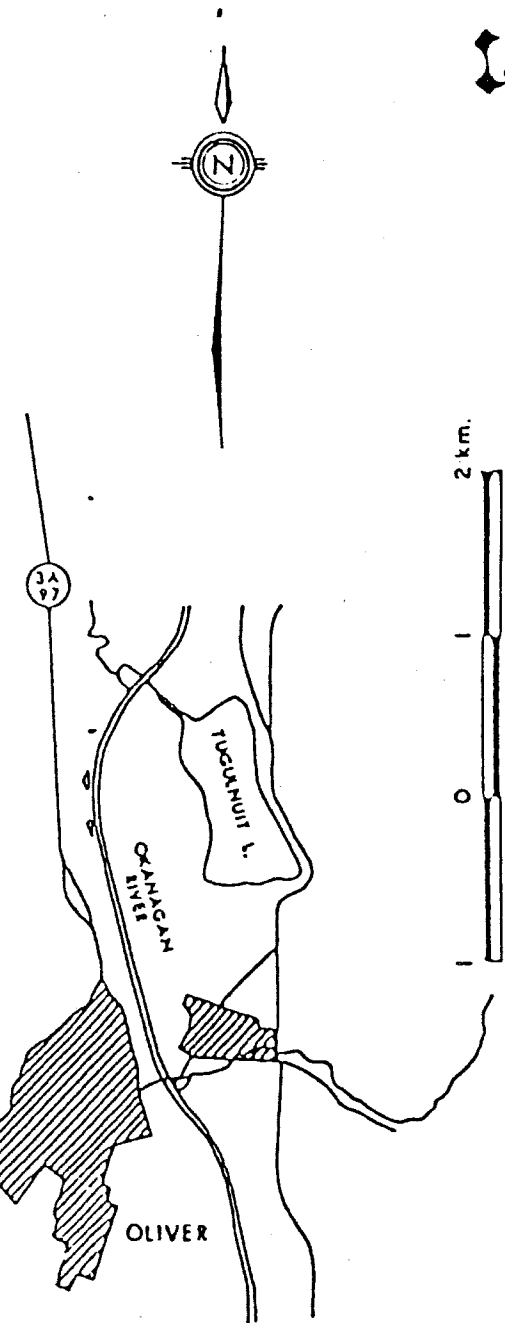
119°35'

49°15'



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,646



NTS. 82E/4E

Drawn by: W E W	Traced by: M. H.
Revised by: [blank]	Revised by: [blank]
[blank]	[blank]
[blank]	[blank]
[blank]	[blank]
[blank]	[blank]

**FAIRVIEW - STEMWINDER
CLAIMS**

Scale 1:50,000

Date JULY 1984

Page 1