REPORT (RELATED TECHNICAL)

ON

ASSAYS AND GEOLOGY

MOK CLAIM (6 UNITS)

near

GLADYS LAKE, ATLIN M.D.

104 N 14 E

59°51' N 133°05 W

Located by R. Wreggitt

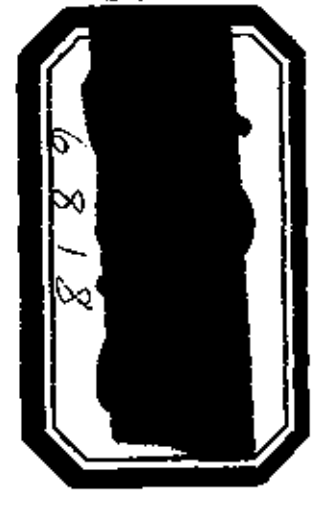
Operated by:

QUEST EXPLORATIONS LIMITED
5590 Kingston Road
Vancouver, B.C. V6T 1J1

R.H. SERAPHIM, PH.D., P.ENG.
Consultant and Author

July 7, 1978

Submitted: July 11, 1978



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INTRODUCTION

The MOK claim is located near Gladys Lake, approximately 50 km northeast of Atlin. It covers part of a claim group described as the 'Gladys Lake MoS_2 Property' in a geological and geochemical report by G.M. Leary and T.J.R. Godfrey filed as assessment report 2653.

The claimed area is on a north facing slope, approximately 3 km south of Gladys Lake. Its position is plotted incorrectly on the claim maps supplied by the B.C. Department of Mines and Petroleum Resources. Access is via (1) walking or (2) fixed wing aircraft to Gladys Lake and thence walking or (3) four-wheel drive vehicle to the northern part of the claim, or (4) helicopter.

A sketch showing the approximate location of the legal corner post with reference to the road system is supplied herewith. The claim includes six units recorded July 25, 1975 as record No. 33, Atlin M.D., by Ray Wreggitt. The claim is reported to be under an agreement to Harold Wright.

No mineral reserve is reported to exist. The work reported herein was intended to increase the knowledge of the current owners regarding the potential value of

the claim. This work consisted of logging the core from the five holes drilled in 1971, determining their location, and selecting samples to obtain an appreciation of the tenor of molybdenum mineralization. Thus this report is presented as a Related Technical Report.

CORE LOGGING AND SAMPLING

The core rack had fallen over, but boxes remained in their relative order in five rows. The numbers on the outside of the boxes were no longer determinable. The small numbered wooden blocks used by the drillers to indicate the end of each 'pull' remained in the trays, thus the sequence of boxes and holes could be deduced and is shown on the logs (appended). The location and inclination of the holes was also ascertained and is shown.

The samples were selected by the prospector while the writer logged core, and were not inspected in detail by the writer. A visual estimate of the amount of molybdenite in the longer (7 meters to 40 meters long) intercepts is in the range of 0.02 to 0.07% molybdenite.

The core was tested for radioactivity with a geiger counter. Only one intercept of approximately 1 meter length of core showed more than a very slight increase above

background 'count'. The intercept was pegmatitic alaskite.

GENERAL

A traverse across the north part of the claim was completed to check the intensity of hornfels. The writer concurs with the geologists who reported in Assessment Report 2653 that "The large hornfelsed and altered zone on the property is believed too large to be completely related to alaskite ring-dyke complex. These features are believed related to a buried stock of alaskite.".

July 7, 1978

R.H. SERAPHIM, Ph.D., P.Eng.

STATEMENT OF APPLICABLE COSTS

Personnel

R.H. Seraphim, consulting geological engineer,
4 days @ $150.00 per day

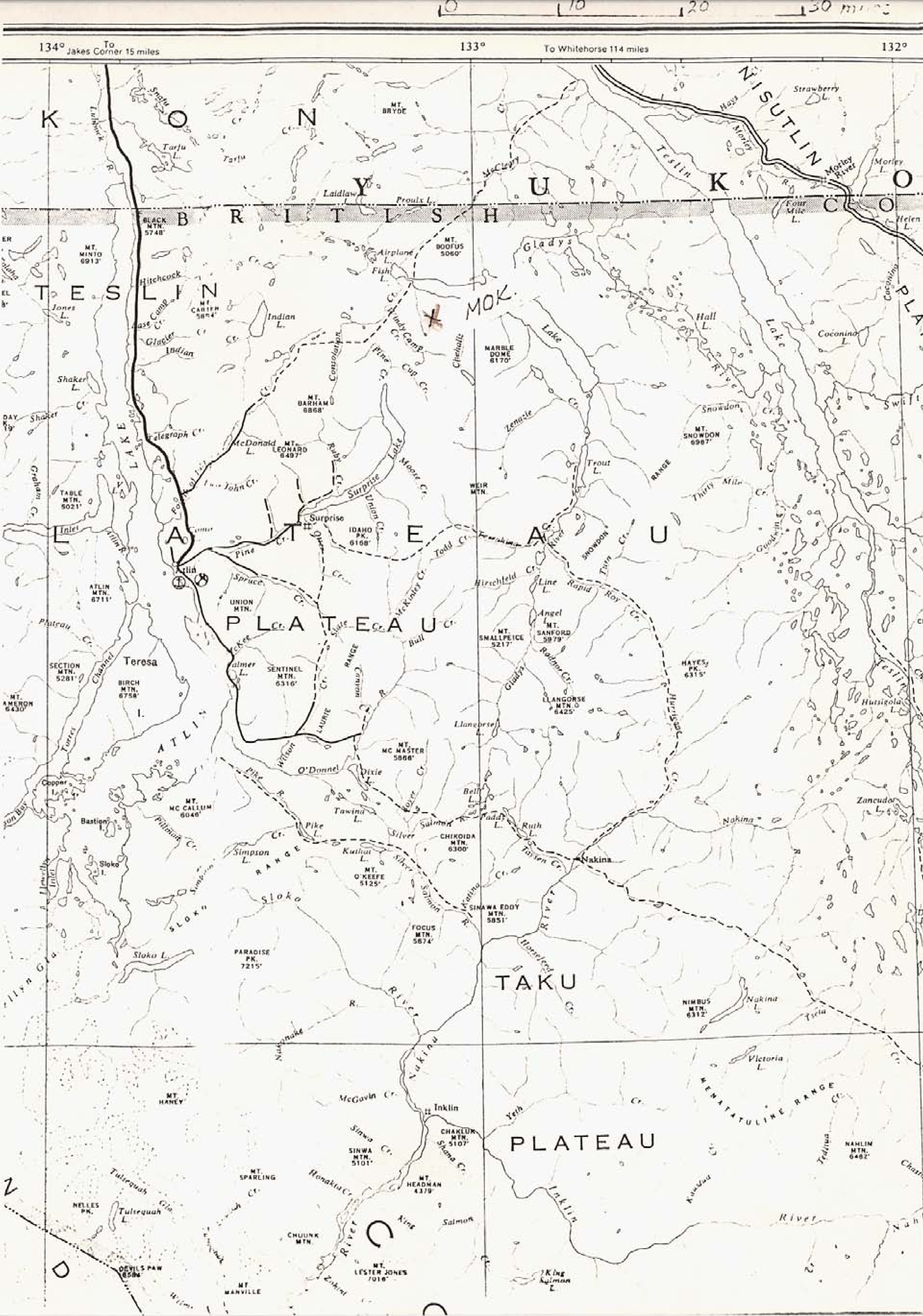
Field - June 11 to 13 Report Writing - July 3	$ 600.00
R. Wreggitt, prospector 3 days @ $50.00 per day	
June 11 to 13	150.00
SUB TOTAL	$ 750.00

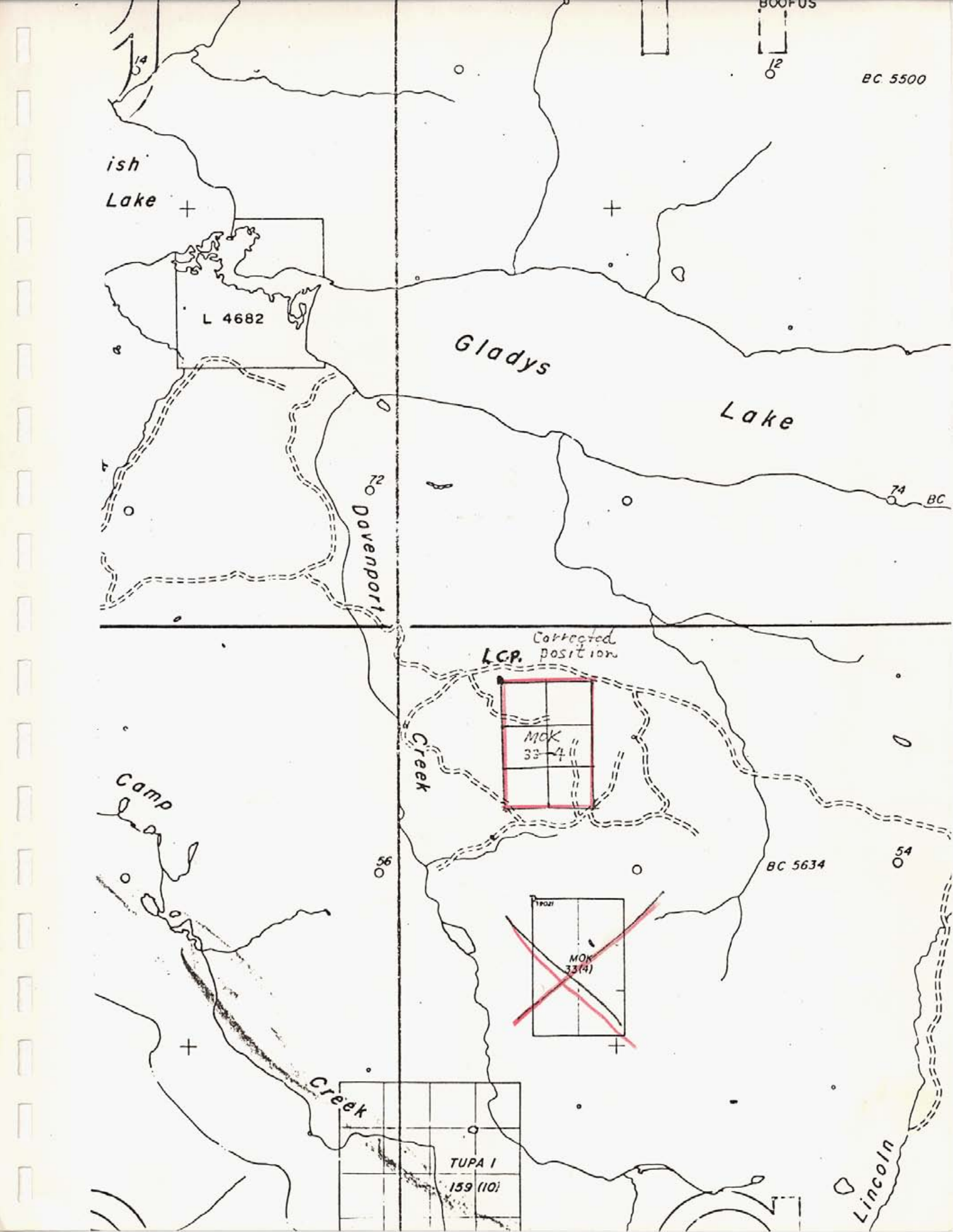
Expenses

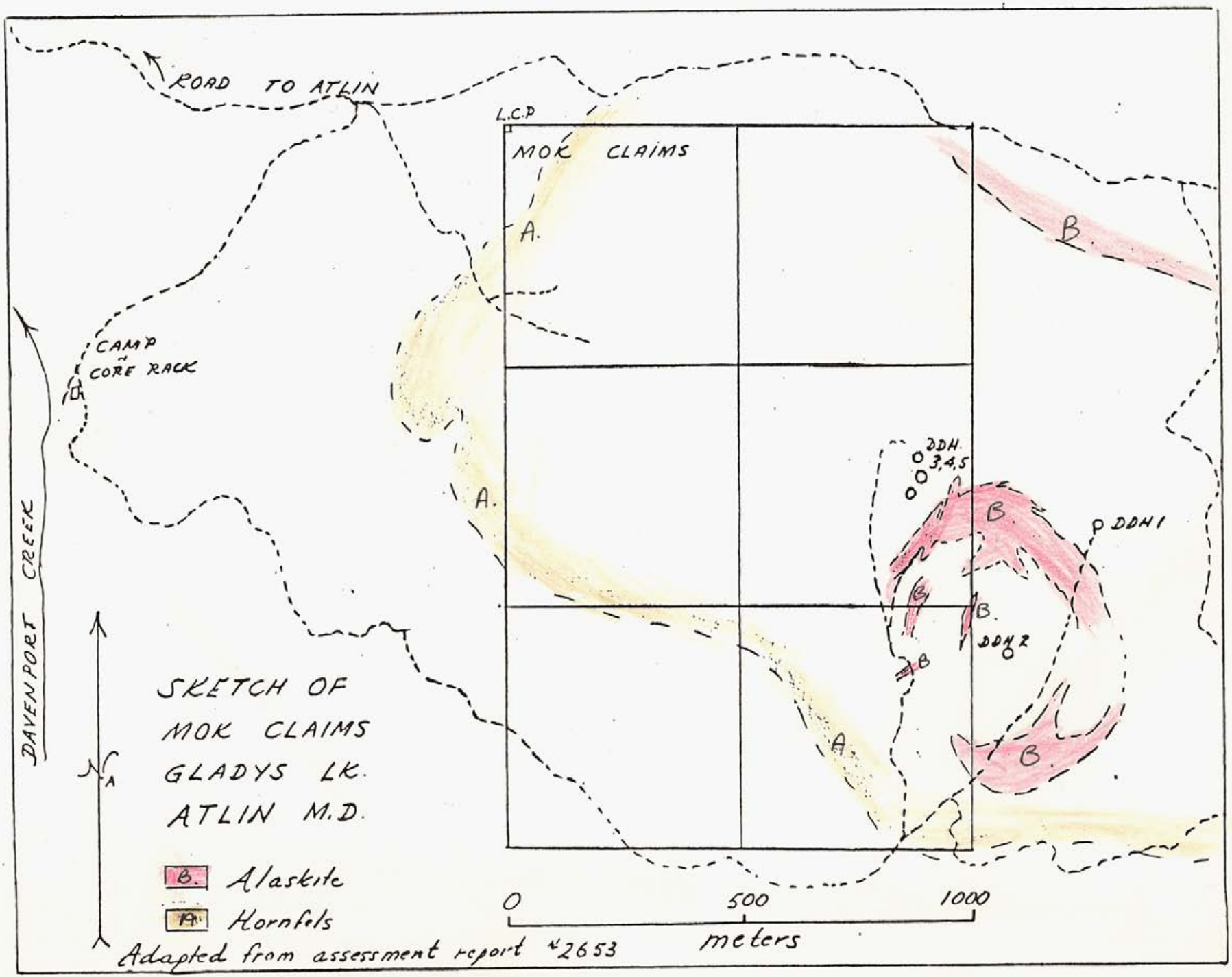
Mayo Helicopters:		
June 12 a.m.	$142.80	
June 13 p.m.	183.60	$ 326.40
Groceries		33.88
Assays		27.00
Meals		21.00
SUB TOTAL		$ 408.28
TOTAL		$1158.28

To be applied for 1 year's assessment work on the 6 units of the MOK claim.

RHS


0 10 20 30 miles
134°
To Jakes Corner 15 miles
133°
To Whitehorse 114 miles
132°
Y U K O N
B R I T I S H C O
NISUTLIN
TESLIN
PLATEAU
P L A T E A U
TAKU
PLATEAU
ATLIN
MOK.
Strawberry L.
Hays
Morley
Morley River
Morley L.
Four Mile L.
Helen L.
Teslin R.
Tarfu L.
Tarfu
Laidlaw L.
Proulx L.
McCleery
Snafu
Lubbock R.
MT. BRYDE
BLACK MTN. 5748'
MT. MINTO 6913'
MT. BOOFUS 5060'
Airplane L.
Fish L.
Gladys
Hitchcock
Jones L.
Base Camp Cr.
MT. CARTER 5854'
Indian L.
Glacier Cr.
Indian
Windy Camp Cr.
Pine Cr.
Cup Cr.
Consolation Cr.
Chehalis
MARBLE DOME 6170'
Lake
Hall L.
Coconino L.
Shaker L.
Shaker Cr.
MT. BARHAM 6868'
Zenazie
Snowdon
MT. SNOWDON 6987'
Swift
Telegraph Cr.
McDonald L.
MT. LEONARD 6497'
Ruby Cr.
Moose Cr.
Trout L.
RANGE
Thirty Mile Cr.
Graham
TABLE MTN. 5021'
Fourth of July
John Cr.
Surprise Lake
Union Cr.
WEIR MTN.
Surprise
IDAHO PK. 6168'
Todd Cr.
River
SNOWDON
Goodwin
Inlet
Atlin R.
Pine Cr.
Atlin
Spruce Cr.
Hirschfeld Cr.
Line L.
Rapid
Roy Cr.
ATLIN MTN. 6711'
UNION MTN.
McKinley Cr.
Angel L.
MT. SANFORD 5979'
Plateau
Slate Cr.
Bull
MT. SMALLPEICE 5217'
Radnor Cr.
SECTION MTN. 5281'
Channel
Teresa
Palmer L.
SENTINEL MTN. 6316'
Canyon
HAYES PK. 6315'
BIRCH MTN. 6758'
I.
LAURIE
LLANGORSE MTN. 6425'
Llangorse
Hutsigola L.
MT. CAMERON 6430'
Torres
Wilson
O'Donnel
Dixie L.
MT. MC MASTER 5868'
Copper
Boyer Cr.
Bell L.
Zancudo L.
MT. MC CALLUM 6046'
Pike R.
Tawina L.
Paddy L.
Ruth L.
Nakina
Bastion I.
Pike L.
Silver
Salmon R.
CHIKOIDA MTN. 6300'
Simpson L.
Kuthai L.
RANGE
Tarsen Cr.
Nakina
Sloko I.
MT. O'KEEFE 5125'
Katina
Sloko
SINAWA EDDY MTN. 5851'
SLOKO
FOCUS MTN. 5674'
Horsefeed
Sloko L.
PARADISE PK. 7215'
River
R.
NIMBUS MTN. 6312'
Nakina L.
Tseta
Nakonake
Nakina
Victoria L.
MENATATULINE RANGE
MT. HANEY
McGavin Cr.
Inklin
Yeth
CHAKLUK MTN. 5107'
Sinwa Cr.
SINWA MTN. 5101'
Shaza Cr.
NAHLIN MTN. 6462'
Tulsequah
MT. SPARLING
Honakta Cr.
MT. HEADMAN 4379'
Inklin
NELLES PK.
Tulsequah L.
King
Salmon
River
CHUUNK MTN.
River
DEVILS PAW 8584'
MT. LESTER JONES 7016'
MT. MANVILLE
King Salmon L.


BOOFUS
14
12
BC 5500
ish
Lake
L 4682
Gladys
Lake
72
Davenport
74
BC
Corrected position
L.C.P.
MOK
33-4
Creek
Camp
56
BC 5634
54
MOK
33(4)
Creek
TUPA 1
159 (10)
Lincoln


ROAD TO ATLIN
L.C.P
MOK CLAIMS
A.
B.
CAMP
CORE RACK
DAVENPORT CREEK
DDH. 3,4,5
DDH 1
DDH 2
A.
B.
B.
B.
B.
A.
B.
SKETCH OF
MOK CLAIMS
GLADYS LK.
ATLIN M.D.
B. Alaskite
A. Hornfels
0
500
1000
meters
Adapted from assessment report #2653

CLAIM NO. MOC

DIAMOND DRILL RECORD

PROPERTY Gladys Lake - Row #1 (Hole 1)

LATITUDE Grid 75 ELEVATION 4654' BEARING S 60° W DEPTH 401' STARTED

DEPARTURE 18E SECTION DIP -50° DRILLED BY LOGGED BY WHS

DEPTH FEET	FORMATION	Specimen NO.	FROM	TO	WIDTH	Assay MoS_2
		Row 1	220'	401'		.110%
4'-281'	Hornfels - tan and purple colored - biotite?		core containing			
	actinolite - shattered - less than 1 or 2		visible molybdenite			
	quartz stringers per foot -					
	minor alaskite as dykes at 46 to 46.5', 218'-219, 245'-250					
	265'-266', 276					
281-309	Alaskite - smoky quartz phenocrysts and quartz					
	veinlets, locally fine grained -					
	minor hornfels 296-297', 301-302'					
309-401	Hornfels as 4'-281' with minor alaskite at 320'					
	and 321' - shattered rock 325' to 350' with					
	more abundant quartz veining, alaskite					
	353' to 358', 361', and 379' to 383' -					
	molybdenite noted in quartz veinlets					

CLAIM NO. MOK

DIAMOND DRILL RECORD

PROPERTY Gladys Lk - Row 2 (Hole 2)

LATITUDE Grid 14+50 S ELEVATION 4916' BEARING N 30° W DEPTH 847' STARTED

DEPARTURE 8E SECTION DIP -55° DRILLED BY LOGGED BY RIB

DEPTH FEET	FORMATION	~~SAMPLE~~ specimen NO.	FROM	TO	WIDTH	Assay MoS_2
6-401'	Hornfels - tan, purple and green, biotite altered, rusty weathered to 300 ft depth - with quartz veining and pegmatitic stringers at 33', 47' 65', 87', 91', 145', 150', 167', 177', 186', 190', 206', 212', 215-310', 328'-334', 340-350', 353', 359', 370', 373', 380', 383', 384', 393', 394' molybdenite most abundant 340' to 401'	Row 2	200	586		.089
401-847'	Alaskite - 'phasey' with grain size differing in different phases - quartz veining decreasing with depth - smokey quartz grains coalesce sericite abundant locally - quartz veinlets at 421', 425', 431', 440', 444', 473', 502', 527', 571', 614', 620', and more infrequent at greater depth	selected piece of split core containing mostly visible molybdenite ~~was~~ composited into sample of approximately 3 kilograms. This assay probably represents times the assay of a truly representative sample				

DIAMOND DRILL RECORD

CLAIM NO. MOK

PROPERTY Gladys Lk - Row 3 + 4 (Hole 3)

LATITUDE Grid 0 N | ELEVATION 4584' | BEARING N30° W | DEPTH 487' | STARTED

DEPARTURE 550 E | SECTION | DIP -45° | DRILLED BY | LOGGED BY RHS.

DEPTH FEET	FORMATION	~~SAMPLE~~ Specimen NO.	FROM	TO	WIDTH	MoS_2 Assay
57'-487'	Hornfels - tan to purple coloured, massive to 175',	Row #3	72	175		0.051%
	fractured and shattered 175-487 with	Row #9	332	490		0.022%
	more intense alteration, siliceous to aplitic at					
	180', 191', 186', 189', 193', 211', 215', 290',					
	296', 399', 445'					
	minor dykes at 346', 349', 304'					
	traces molybdenite in some of the siliceous zones					
	and pyrite on fracture faces					

selected pieces of core (mostly with visible molybdenite) were composited into a sample of approximately 2 kg. This assay thus represents the best available mineralization and probably several times the MoS_2 in a true bulk sample

CLAIM NO. MOK

DIAMOND DRILL RECORD

PROPERTY Gladys Lk - Row 9 (First hole Hole #4)

LATITUDE Grid ON ELEVATION 4584 BEARING S 30° E DEPTH 130' STARTED

DEPARTURE S 50 E SECTION DIP -45° DRILLED BY LOGGED BY MH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	
16-130	Hornfels - intensely shattered - tan to purple colored - moderately altered with quartz veining 34', 58', 76', 107', 116' (with minor chalcopyrite, pyrite)	not sampled.				

CLAIM NO. MOK

DIAMOND DRILL RECORD

PROPERTY Gladys Lk Rw 4 & 5 (Hole 5)

LATITUDE close to 3 & 4 ELEVATION 4601 BEARING S30°E DEPTH 556' STARTED

DEPARTURE SECTION DIP -45° DRILLED BY LOGGED BY RKS

DEPTH FEET	FORMATION	Character SAMPLE NO.	FROM	TO	WIDTH	assay MoS_2 %
9-556	Hornfels - dark grey to black - massive in general but with patches of alteration at 32' to 55', 60 to 82, 130 to 175, 305 to 330, more massive at depth. Quartz stringers at 42', 130', 158', 192', 380', 400', 430', 524', 534', in places aplitic. Molybdenite minor throughout		520	556		.087%

Selected pieces of core, mostly with visible molybdenite, were composited into a sample of approximately 2 kg. The assay reported to the best [illegible] [illegible] is [illegible] probably several times the MoS_2 in a true bulk sample

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE. 985-0648
AREA CODE. 604
TELEX. 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY]

CERTIFICATE NO. 33763
INVOICE NO. 25151
RECEIVED June 19/78
ANALYSED June 20/78

TO: R. H. Seraphim Engineering Ltd.,
316 - 470 Granville St.,
Vancouver, B.C.

ATTN:

SAMPLE NO. :	% MoS_2	
Row #1 220'-405'	0.110	- Shattered hornfels with aplastic dykes and with quartz stringers at 1 to 3 ft intervals. - minor Mo
Row #2 200'-586'	0.089	Shattered hornfels 200 to 400', aplastic 400 to 586. up to 10% quartz stringers and minor MoS
Row #3 72-175'	0.051	Shattered dark hornfels with little or no quartz veining' - Traces MoS
Row #4 332-490'	0.022	Shattered dark hornfels - with very little quartz veining (one metre stringers per 10 ft section) minor MoS
Row #5 520-568'	0.087	Shattered dark hornfels with a 1 mm quartz stringer at 1 metre intervals - minor MoS

The core boxes had tipped over, ~~the~~ hole numbers are not determinable but hole footage was determinable from the driller markers in the boxes. Hole locations are not known to us.

The assays are from the better mineralized sections of core in the boxes, and are highly non-representative. They are from scattered pieces of split core and not continuous sections. The total sample from each of the intervals listed, weighed only a few lbs. - (1.5 kg).

RHS.

CTA MEMBER CANADIAN TESTING ASSOCIATION

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA