

# 492

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092F/06

Hibernian International Development Corporation Ltd.

Summary Report

on

The Lou-Mex Taylor River Gold Prospect

Alberni M. D., B. C. (92 F/6)

L. S. Trenholme, M. Sc., P. Eng.  
Consulting Geologist

6746 Marguerite Street,  
Vancouver, B. C.

May 9, 1975

21. Give the aggregate direct remuneration, including amounts for services rendered, paid or payable by the issuer and its subsidiaries during the past year to the insiders of the issuer.	\$2,500 was paid to the insiders of the Company during the past year for services rendered.
22. Give brief particulars of all options to purchase securities (other than such as are granted or proposed to be granted to shareholders as such on a <i>pro rata</i> basis) outstanding or proposed to be given by the issuer and its subsidiaries to any person or company, naming each such person or company and showing separately all such options outstanding or proposed to be given to the insiders of the issuer or its subsidiaries.	None
23. State the prices at which shares of the issuer have been issued for cash during the past year. If any shares have been issued for services, state the nature and value of the services and give the name and address of the person or company who received such shares. State the number of shares issued at each price.	100,000 shares @ 40¢/sh. 10,000 shares @ 50¢/sh.
24. Give the dates of and parties to and the general nature of every material contract entered into by the issuer or any subsidiary within the preceding two years which is still in effect and is not disclosed in the foregoing.	None
25. Give particulars of any other material facts relating to the shares proposed to be offered and not disclosed pursuant to the foregoing items.	None
26. If assets include investments in the shares or other securities of other companies, give an itemized statement thereof showing cost of book value and present market value.	None

27.

CERTIFICATE OF THE COMPANY

The foregoing constitutes full, true and plain disclosures of all material facts relating to the securities offered by this Statement of Material Facts.

Dated May 22, 1975

HIBERNIAN INTERNATIONAL DEVELOPMENT CORPORATION LTD.

*Owen V. Woods*  
 Owen V. Woods, by his attorney-in-fact  
 and alternate director, Guilford H. Brett  
*Guilford H. Brett* [Corporate Seal]  
 Guilford H. Brett  
 Laurence Powell by his attorney-in-fact  
 and alternate director, William A. Rand

AGENTS AND SELLING SHAREHOLDER

CERTIFICATE OF ~~UNDERWRITER OR OPTIONER~~

To the best of our knowledge, information and belief, the foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by this Statement of Material Facts.  
 Dated *July 22, 1975*

SELLING SHAREHOLDER:  
 TEAM MINERAL SERVICES INC.  
 Per: *[Signature]*

MCDERMID, MILLER & MCDERMID LIMITED

*[Signature]*  
 DAVIDSON & COMPANY LTD.  
*[Signature]*  
 JONES, GABLE & COMPANY LIMITED  
*[Signature]*

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PLAN: 1" = 300' in Envelope: Legal Surveys

SECTIONS: 1" = 60' in Envelope: Tellurometer Survey

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## Introduction

By agreement dated May 14, 1974, Teck Mining Group Limited (agents for Highland Mercury Mines Limited) obtained an option to explore and develop the gold prospect of Lou-Mex Mines Limited located 3 miles west of Sproat Lake, Alberni Mining Division, Vancouver Island, B. C.

Drilling by Lou-Mex in 1972 and 1973 had returned substantially better results than had been achieved in earlier underground work and shallower drilling.

During July and August, 1974, Highland Mercury completed two diamond drill holes to depths of 692 feet and 704 feet, respectively. The strong No. 6 vein structure was encountered in both holes but assays were much below ore tenor.

It is concluded that the main reason for the disparate assay results is the erratic distribution of massive pyrite (with associated gold) within the vein structure. Poor core recovery in the 1973 drill holes also may have been a contributing factor.

By agreement dated May 10, 1975 between Team Mineral Services Inc., and Hibernian International Development Corporation Ltd., Hibernian acquired the right to further explore and develop the Lou-Mex properties.

This report recommends an expenditure of \$28,750.00 for testing the No. 6 vein structure and for additional prospecting of the claims.

Location (49°18'N, 125°15W - NTS 92 F/6)

The Lou-Mex property is located 20 air miles west-northwest of Port Alberni in the south central portion of Vancouver Island. The property occupies an area of about 2000 acres lying immediately north of the Taylor River and Provincial Highway No. 4.

Access to the lower part of the property, at elevation 160' A.S.L., is by 23 miles of paved highway from Port Alberni. Logging roads provide access to the vicinity of the principal workings at elevations of 500 feet to 2100 feet.

Property

All in Alberni Mining Division, B. C.

a) Mineral Lease No. M66 - dated January 13, 1971

Morning Lot	No. L975
Morning #1 Lot	No. L976
Morning #2 Lot	No. L977
Apex Lot	No. 978
Apex Fraction Lot	No. 979
Apex Fraction	
No. 3 Lot	No. 980

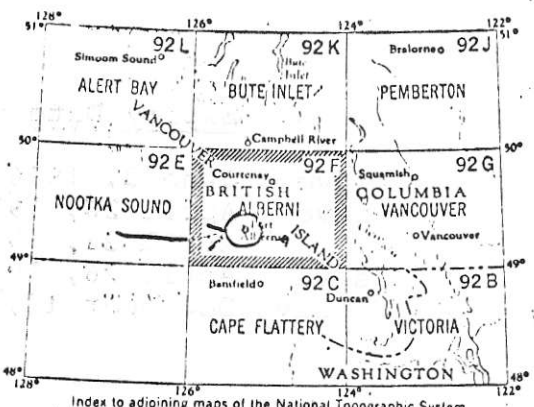
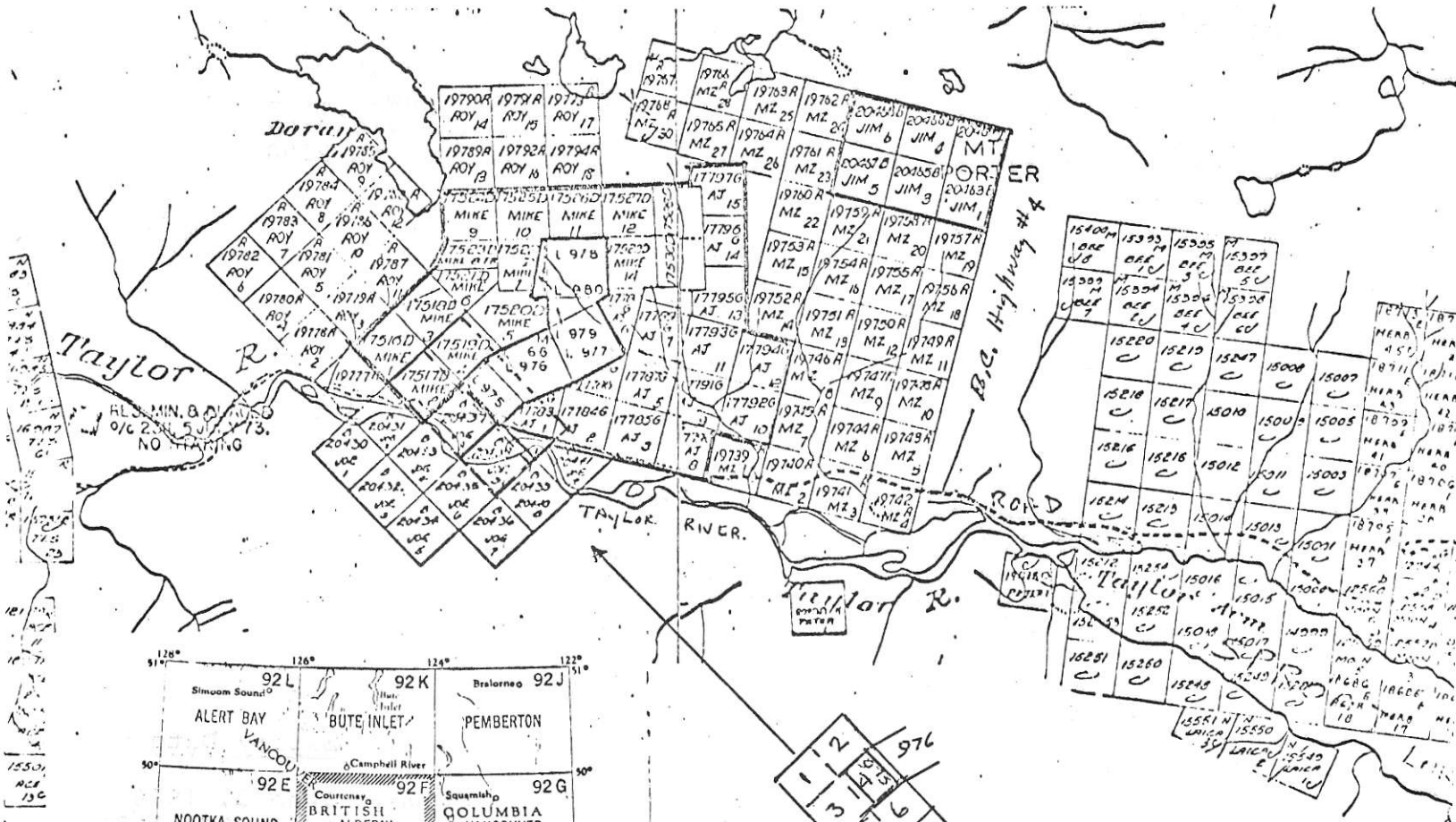
b) Mineral Claims

<u>Name</u>	<u>Record Number</u>	<u>Expiry Date</u>
AJ 1-15	17783-17797 inclusive	June 3, 1976
Mike 1-7	17516-17522 inclusive	April 26, 1976
Mike 8 (Fr.)	17523	April 26, 1976
Mike 9-15	17524-17530 inclusive	April 26, 1976
Dean 1-6	414613-414618 inclusive	December 18, 1975

Note 1. Claims Dean 1 to 6 inclusive were staked on November 29, 1974 to cover any unstaked ground that might exist to the west, southwest and southeast of Morning Lot No. L975.

PROCESSED BY  
**LOU-MEX MINES LIMITED**  
**ALBERNI MINING DIVISION**  
**VANCOUVER ISLAND**

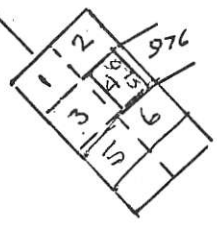
SCALE: MILES



Index to adjoining maps of the National Topographic System  
 Tableau d'assemblage du Système National de Référence Cartographique

**ALBERNI**  
**92 F**  
 EDITION 3

**MAP 92 F/6 E & W**



DEAN 1-6

Note 2. Extensive search for claim locations west and southwest of L975 located only the Initial Post for Claim Joe-8 (20437) approximately 1400 feet west of its indicated location at the southwest corner of L975.

## Geology

Regional relationships are shown on Map 17-1968 which accompanies G.S.C. Paper 68-50 "Geology, Alberni, British Columbia".

Between Great Central Lake and the Taylor River a faulted lobe of granodiorite - quartz diorite (Unit 9) of the Jurassic Island Intrusion cuts basaltic flows of the Karmutsen (Upper Triassic) formation. The volcanic formations dip northward at low angles.

The various vein-shears known on the Lou-Mex property lie near or between a NW-striking fault following Log Creek and a WNW fault along the valley of the Taylor River. (Both faults as shown on Map 17-1968).

It seems likely that the gold bearing vein solutions emanated from some part of the intrusive body and occupy fissures related to the above mentioned faults.

The vein fissures characteristically contain gouge material in addition to lenticular bodies of quartz. The quartz lenses are lightly to heavily mineralized with pyrite and locally with chalcopyrite and very minor amounts of galena.

Practically all of the known veins contain gold and silver. The amount of the precious metals appears to be directly related to the amount of sulphide minerals present, particularly pyrite. No visible gold has been reported. However, one ore sample tested in Ottawa indicates that the gold can be freed by flotation without difficulty.

Most of the known veins are essentially vertical.

The majority strike from  $080^{\circ}\text{T}$  to  $090^{\circ}\text{T}$ , although a part of No. 6 vein appears to strike  $055^{\circ}\text{T}$ . This latter strike may be a result of minor offsets and may be more apparent than real.

Detailed descriptions of individual veins are given in the various references listed herein.

Previous Work

Operations to 1962 are described by Allan P. Fawley, P.Eng. in a report to Sileurian Chieftain Mining Company Ltd. dated January, 1962 and are summarized as follows:

1899 - Discovery and staking

1907-1923 - Underground work, one adit 345-365 feet and 2 short adits; Trenching.

1932 - B. C. Department of Mines, Bulletin No. 1 by G. A. Clothier. Description of workings and vein structure and mineralization.

1933 - Dickinson and Johnson exploration. Original maps not on hand.

1959 - Report by B. W. McDougall, P.Eng. based on examination made in 1945; describes geology and results from 45 samples.

1960 - Drilling No. 1 (Apex) Vein.

1961 - V. B. Bjorkman, P.Eng., general description plus logs of D.D. Holes 2-5, inclusive in No. 1 Zone. Laid out holes on No. 3 Zone which were mistakenly drilled at the wrong locations and missed the zone. Holes 2 and 3 logged by A. P. Fawley.

1961 - Holes A-1 to A-6 and A-9 drilled on No. 2 Zone under supervision of A.P. Fawley for Sileurian Chieftain.

1972 - One hole (72-1) drilled by M. Zunic for Lou-Mex (No. 2 Zone).

1973 - Two holes (73-2 and 73-3) drilled by M. Zunic for Lou-Mex (No. 2 Zone).

1974 - July, August holes 74-1 and 74-2 drilled by Highland Mercury Mines Ltd. (Zone 2).



Summary of Zone 1 Sampling (Apex Vein)

<u>Year</u>	<u>Work by</u>	<u>Work Place</u>	<u>From</u>	<u>To</u>	<u>Feet</u>	<u>Oz. Gold</u>	<u>Remarks</u>
1933	Dickinson & Johnson	Log Creek Trenches	--	--	2.5	0.33	Examined by McDougall, 1945
	#29 and #30	Log Creek Bed	0	10.9	10.9	0.15	Under running water
	#30 and #31	8' east	0	11.0	11.0	0.13	" " " " "
	#33				10.5	0.19	Oxidized
	#34	First Trench East	0	3.3	3.3	0.34	
		Second Trench Dump					
	#35	Grab from 2				0.28	
	#36	Boulders Specimen				0.16	Small creek
1960	Bjorkman	D.D.H. No. 2	55	68.5	13.5	0.13	N 20°W - 40°
		D.D.H. No. 3	34.5	49.0	14.5	0.07	N 20°W - 40°
		D.D.H. No. 4	76.5	84.0	7.5	0.11	N 20°W - 65°
		D.D.H. No. 5	48.0	58.0	10.0	0.16	N 20°W - 40°

Remarks: According to Dr. Fawley, this drilling was done by C. Mutch, using helicopter support and did not encounter much difficulty. Later attempts by Bill Smith to drill the strike extensions with a small drill did not succeed in penetrating the overburden.

Summary of Zone 2 Sampling

<u>Year</u>	<u>Working Place</u>	<u>Vein No.</u>	<u>Width</u>	<u>Oz. Gold</u>	<u>Oz. Silver</u>	<u>% Cu.</u>	<u>Remarks</u>	
1932	Lower Adit	6	Bulk	0.34	1.06	1.22	Tested in Ottawa (B.C. Dept. Mines, Bull. 1)	
	0 + 100' El	6	5.0'	0.20	---	---	Same	
	0 + 375' El	6	2.0'	0.34	---	---		
1945	Lower Adit	6	"3 to 10 feet"	0.13	(x' 255 ft)		Reported by Fawley, 1962, p. 11	
1961	Holes A1, A4, A5	6	7.5'	0.15	0.54	0.55	Fawley, p. 11	
	Hole A5	5	1.0'	0.46	0.70		Fawley, p. 11	
	Hole A6	5	Not recovered					
	Hole A9	6	Reported lost in cave					Not deep enough?
	Holes A2, A3	Others	No intersections "of ore grade"					
	Hole A6	6	15.0'	0.14	0.33	0.55	80' above adit	
1972	Hole No. 72-1	6	10.0'	0.815	1.27	0.15	Sampled by Elwell	
1973	Hole No. 73-2	6	11.0'	0.840	2.08	0.16	Sampled by Elwell	
	Hole No. 73-3	6	9.0'	0.76	1.59	0.31	Sampled by Elwell	
	Vein outcrop	6	3.0'	0.84	1.45	0.37	Sampled by H.H. Waller	
1974	Hole No. 74-1	6	8.0'	0.092	0.21	0.07	Sampled by L.S. Trenholme	
	Hole No. 74-2	6	8.4'	0.087	0.30	0.29	Sampled by L.S. Trenholme	
	Check Assay (73-3)	6	0.8'	1.49	1.9	----	10" split core (L.S.T.)	

No. 2 Zone: Details of Core Sampling: No. 6 Vein

Hole	From	To	Feet	Assays			Vein Average			Core Recovery	Percent Pyrite	Remarks
				Oz. Au.	Oz. Ag.	% Cu.	Au.	Ag.	Cu.			
A-1	86	91	5.0	0.12	0.15	0.20				63%	Some Some Chalco	
	91	98	7.0	0.14	0.13	0.40				45%		
	98	101	3.0	0.17	1.30	1.50				20%		
			<u>15.0</u>				.139	0.37	0.55	46%		
A-4	124	125.5	1.5	0.06	0.35	0.12				50%	From south side  Local 15%	
	125.5	127.0	1.5	0.035	0.40	0.18				56%		
	127.0	131.0	4.0	0.04	0.20	0.15				37%		
	131.0	135.0	4.0	0.10	0.15	0.10				6%		
	135.0	137.0	2.0	0.16	1.10	0.48				41%		
			<u>13.0</u>				0.078	0.36	0.18	32%		
A-5	246	250	4.0	0.14	--	--				12%		
	250	251	1.0	--	--	--				90%		
	251	252	1.0	.01	--	--				90%		
	252	253	1.0	--	--	--				90%		
	253	256.5	3.5	0.26	0.75	0.45				90%		5%
A-6	149	151	2.0	0.005	0.25	--				33%	Chips	
	151	153	2.0	0.11	0.40	--				83%		
	153	154	1.0	0.04	0.35	--				33%		
			<u>5.0</u>				0.054	0.33	--	53%		
72-1	518	523	5.0	0.82	1.56	0.16					J. Elwell recalls 60% Recovery; heavy pyrite	
	523	528	5.0	0.81	0.99	0.13				60%		50%
			<u>10.0</u>				0.815	1.27	.15			
73-2	527	538	11.0	0.84	2.08	0.16	0.84	2.08	0.16	?	?	J.E. reports "Vein section too crumpled to split"
73-3	439	448	9.0	0.76	1.59	0.31	"Entire vein section brought to me in a sample bag and it was all submitted for assay" J.E.					
73-3	439	448	0.9	1.49	1.9	---						Check sample; 10" split core

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74-1	628.5	631.0	2.5	0.02	0.1	--		90%	2%	Leaching loss; not drilling loss Check Assay, Au. 0.12
	631.0	633.0	2.0	0.10	0.2	0.09		50%	2%	
	633.0	636.5	3.5	0.14	0.3	0.11		90%	10%	
			<u>8.0</u>				0.092 0.21 .07	<u>80%</u>	<u>6%</u>	
74-2	675.2	678.0	2.8	0.03	--	--		90%+	5%	
	678.0	681.3	3.3	0.07	0.2	0.26		95%	12%	
	681.3	683.6	<u>2.3</u>	0.18	0.8	0.59		95%	20%	
			8.4				0.087 0.33 0.26	95%	12%	

Check assay,  
Au. 0.16

Summary of Zone 3 Sampling

<u>Year</u>	<u>Working Place</u>	<u>From</u>	<u>To</u>	<u>Feet</u>	<u>Oz. Gold</u>	<u>Oz. Silver</u>	<u>% Cu.</u>	<u>Remarks</u>
1945	360' NW L975	Trench		4.7'	0.05	---	---	#40 Sample by McDougall
		---		6.7'	0.095	---	---	#41 " " "
	O + 20' W	---		4.0'	0.07	---	---	#42 " " "
	East	Trench		3.5'	0.04	---	---	#43 " " "
	Lower	Trench		1.33'	0.24	---	---	#44 " " "
	Lower	Trench		1.6'	0.13	---	---	#45 " " "
1961	DDH #2	Total Depth		162'	Nil (3 samples)			Logged by A. P. Fawley
	DDH #3	Total Depth		190'	No samples taken			" " " "

Dr. Fawley reports that Hole No. 1, laid out by Bjorkman, was mistakenly by-passed by the drillers who set up on location No. 2, reporting it as location No. 1. Both holes probably stopped short of the strike extension which McDougall reports as swinging sharply northeast. The trenches now are caved and covered with fire and slide debris.

## Drilling Results

Holes 74-1 and 74-2 were completed in 23 calendar days for an average advance of 61 feet per day or 30.5 feet per 10 hour shift. This includes time for reaming, cementing and changing set-up. Drilling was done by Connors Drilling Ltd. using Longyear 38 Hydraulic with BQ wireline equipment recovering 1 7/16" diameter core.

Country rock, mainly unaltered basalt, is hard brittle and shattered. Bit wear, especially reaming through broken ground, was severe. Both holes required cementing in caved areas. Recommended procedure for future surface drilling would be to start holes with "H" equipment, which would allow two reductions to obtain BQ core.

Core recovery averaged over 90% except in caved areas and was maintained through the vein sections in spite of soft schistose material adjoining and between the pyritized quartz vein material.

Holes 74-1 and 74-2 returned gold assay which were approximately 10% of the values reported from holes 72-1, 73-2 and 73-3 over comparable widths. The explanation for this appears to be:

1. The earlier holes are reported to have cut sections of near massive pyrite. Certainly the section of split core seen by Mr. Waller and the writer and reported to come from hole 73-3, contained much more pyrite (65% over 10 inches) than was encountered in the recent drilling. This particular check sample assayed 1.49 oz. gold per ton.
2. Previous reports, confirmed by recent surface samples taken by Mr. Waller, show a close association between heavy pyrite mineralization and high gold assays.
3. Poor core recovery reported in the 1973 holes may have been due to loss of relatively barren gouge and schistose material between the heavily pyritized quartz vein sections. It would appear that the assays of the recovered material were applied over the full vein zone core length of 9 to 11 feet.

It is concluded that the intersections obtained in 1972 and 1973 did indeed cut better grade material than was obtained in the 1974 holes, but that average values reported for the full vein width should be heavily discounted.

### Recommendations

1. Underground Drilling:

- a) Clear adit portal and timber as required
- b) Survey and map adit walls and roof
- c) Slash for drill stations if necessary
- d) Drill adit walls at 50 foot intervals; say 8 flat holes averaging 40 feet = 320 feet.
- e) Allow for additional 300 feet of inclined holes to test parallel or branch veins.

2. Underground crosscutting and/or drifting:

- a) Crosscut to any important drill intersections
- b) Advance present drift face 50 feet beyond fault and test walls.

3. Prospecting and Mapping:

It is unlikely that systematic prospecting has been done since the fire of the 1960's. Much more rock is now exposed and the logging roads provide good access.

Mapping of the diorite intrusions and the extensions of known vein-shear structures could direct attention to the best places to trench or drill for new ore.

The prospecting programme should provide for careful examination of the intrusive rocks for evidence of disseminated copper-molybdenum mineralization.

*A.S. Swoboda*

*9/5/75*

Cost Estimate

1.	Adit Rehabilitation	
	Mobilization, rentals, wages	\$4,000.00
2.	Underground Drilling	
	600 feet @ \$12.00	7,200.00
3.	Drifting, crosscutting	
	50 feet @ \$140.00	7,000.00
4.	Survey, supervision, assaying	2,800.00
5.	Prospecting, mapping, trenching	<u>4,000.00</u>
		\$25,000.00
6.	Overhead and Contingencies (15%)	<u>3,750.00</u>
	Total:	<u><u>\$28,750.00</u></u>

*L. S. Trenholm*

*9/5/75*



REFERENCES

1. G. S. C. Paper 68 - 50 "Geology and Mineral Deposits of Alberni Map - Area, British Columbia (92F)"  
with accompanying Map 17-1968.
2. McDougall, B. W. W., "Report on Taylor River Mineral Claim Group, Alberni District, Vancouver Island, British Columbia" July 8, 1959
3. Bjorkman, V. B. "Report on Taylor River Gold Group of Mineral Claims, Sileurian Chieftain Mines Ltd., Alberni Mining Division, British Columbia" April 15, 1961
4. Fawley, Allan P., Ph.D. "Taylor River Gold Property, Sileurian Chieftain Mining Co. Ltd." January, 1962
5. Maps, drill logs and assay data provided by Allan P. Fawley, S. P. Elwell and H. H. Waller.

To Whom It May Concern:

The undersigned certifies that,

1. He is a graduate of the University of Saskatchewan, (B.Sc. Geology, 1936) and of McGill University (M.Sc. Geology, 1939),
2. Since graduation he has continuously (except 1942 - 1945) practised his profession in mining exploration and geology,
3. He is a member in good standing of the Association of Professional Engineers of British Columbia,
4. This report is based on study of earlier reports on the properties of Lou-Mex Mines Ltd., and on 7 days spent in personal examination of the property and drill cores during July and August, 1974,
5. He does not now own and does not expect to receive any securities of Lou-Mex Mines Limited, Highland Mercury Mines Ltd., Hibernian International Development Corporation Ltd., or any interest in any of the properties referred to herein.

L. S. Trenholme,  
Vancouver, B. C.

May 9, 1975

L.S.T.  
5/5/75