

521301

HARVEY H. COHEN ENGINEERING LTD.
CONSULTING ENGINEERS

TELEPHONE: BUS.: 684-6711
RES.: 266-8169

1264 WEST PENDER STREET
VANCOUVER 1, B. C.

June 7, 1973

New Jericho Development Corp. Ltd. (NPL)
707 - 475 Howe Street,
Vancouver 1, B. C.

Dear Sirs;

RE: AU & UOI Mineral Claims of
Adam Thomson
Amai Inlet, Vancouver Island
Alberni Mining Division

Pursuant to your request, the writer, accompanied
by Mr. A. B. Thomson, visited the subject gold prospect during the
period May 29-30, 1973 and submits herewith a report thereon.

Respectfully submitted,



Harvey H. Cohen, P. Eng.

hhc/ip

TABLE OF CONTENTS

Introduction	1
Location and Access	1
Summary of Claims	2
Size of Area and Exposures	2
Geology	3
Recommendations	5
Estimates	6

LIST OF ILLUSTRATIONS:

- 189 AM-1 Key Map Showing Location of Amai
 Inlet, Vancouver Island
- 189 AM-2 Map Showing Claim Location,
 AU & UOI Mineral Claims
 Amai Inlet, Vancouver Island.
- Photos of main shear zone, portal area, & pit.

PRELIMINARY REPORT

AU & UOI MINERAL CLAIMS

AMAI INLET, VANCOUVER ISLAND, B.C.

ALBERNI MINING DIVISION

INTRODUCTION

LOCATION AND ACCESS:

The AU & UOI Mineral Claims, 14 in number, are held by location by Mr. Adam B. Thomson of Vancouver, B.C.

The property is located approximately three miles southwest of the head of Amai (Deep) Inlet, Kyuquot Sound, northwest part of Vancouver Island in the Alberni Mining Division. The approximate geographical location may be described as:-

Latitude: 50° 01'N

Longitude: 127° 05'W

The property was reached from Vancouver by scheduled airline (PWA) Vancouver to Tahsis, then by charter (Island Air) directly to Amai Inlet. From the inlet, an old cat road follows the creek southerly for a distance of 2½ miles. The elevation on the road at this point below the workings is 450 feet. From here the trail which is in only fair condition, leads

southwesterly up the steep, rough, heavily timbered hillside directly to the main showing at an elevation of 1630 feet.

The town of Zeballos lies approximately 10 miles (18 by road) from the head of Amai Inlet. Tahsis is an additional 10 miles to the southeast. The area is accessible by boat from any of these points.

SUMMARY OF CLAIMS:

AU 1	6744	Oct. 7, 1961
AU 2	6745	Oct. 7, 1961
AU 3	6746	Oct. 7, 1961
AU 4	6747	Oct. 7, 1961
AU 5	6748	Oct. 7, 1961
AU 6	6749	Oct. 7, 1961
		(Record date Oct. 18)
AU 7	18247	Aug. 11 (Record date)
AU 8	18248	
AU 9	18249	
AU 10	18250	
UOI 1	4382	June 24
UOI 2	4383	
UOI 3	4384	
UOI 4	4385	

The above claims are in good standing to 1973. Department of Mines Map No. 3D shows the staking location.

SIZE OF AREA AND EXPOSURES.

The subject area in general is very rugged and the coastline is incised by deep fiords. Logging roads extend through the area but are usually confined to the lower reaches and valley leading into the Inlet.

The lower part of the subject property has been logged and partly burned leaving the ground up to elevation 780 feet covered by deadfall, windfall, and burn. Second growth has not taken and is of little consequence. From Elevation 780 to the workings the ground is heavily timbered with cedar, fir, balsam, hemlock, classed as 'commercial' in grade with much of it overmature. The undergrowth is moderate and consists of salmonberry, blueberry, fern, and shalal. Exposures are limited to the creek bed, a few rock bluffs, road cuts (at the lower elevations), and numerous scarps. These would be less than 5%. The main workings are in part exposed by two open cuts and a short drift following the fault scarp along which gold was observed.

GEOLOGY:

The area regionally is underlain by volcanics, sediments and intrusives, i.e. along Amai Inlet, outcrops consist chiefly of andesitic rocks, tuffs, porphyrites and their derivatives. Along the upper regions, in the vicinity of the main showings, the rock outcrops are of granodiorite to quartz diorite in origin. The main showing is a shear zone in an altered, silicified, granodiorite. Along the slickenside surfaces of the shear, serpentine has been developed, the quartz is white to pink in color, and minor sulphides are in evidence.

A narrow section of the shear exhibits on

the sheared surfaces, flakes of gold that had been subjected to pressure and movement to form a very thin but prominent occurrence of free gold. This is evident only on the sheared surfaces and was not in evidence in the wall rock.

The very prominent fault strikes at north-south and dips near vertically. The shear zone surrounding the main fault measures six feet in width and minor shearing accompanies the fault. Samples were cut across the face from east to west with the following results:

- | | |
|----------------------------|------------------|
| 1. 2 ft. east part of face | Tr. Au |
| 2. 1 ft. shear zone | 0.325 oz./ton Au |
| 3. 3 ft. west part of face | 0.032 oz./ton Au |

The rock was found to be granitic east of the fault and grading to a quartz diorite to the west of the fault. This could be local alteration along the fault zone resulting in a zoning effect, however, this could not be observed in the field without additional exposures.

A selected sample of rock was taken from the shear zone in the area of the No. 2 sample above. It assayed 1.15 oz./ton Au. The rock exhibited a greater amount of black shiny surface, and it is probable that the gold content is a telluride. There were noticeable quartz veils, highly distorted throughout the host rock within the shear zone, and it would appear that the quartz entry into fissures was subjected to movement and alteration resulting in

the distortion of the visible gold on the surfaces. The post-mineral-movement was accompanied by alteration and development of serpentine from the original hornblende constituent of the host rock.

The fault itself has a surface representation of a scarp that could be seen to a height of some 30 feet. It appears to be a relatively strong structure that would persist over some distance, and perhaps repeat itself with parallel structures. Secondary fault systems could succeed in displacing the significant structure but over short distances only, such is to be expected in this area which is in near proximity to the intrusive - volcanic contact.

RECOMMENDATIONS:

This property has been worked and prospected on a limited scale for several years and it is indeed a difficult area to prospect. However, in view of the present gold price of approximately \$118.00 per oz., any gold prospect that has values in evidence is worthy of further exploration. The gold content at this property is definitely of ore grade, and there remains the problem or challenge to extend the known boundaries of the mineralization to test for continuity of structure, parallel systems of gold bearing rock, and occurrences of gold values in rock adjoining the shear zone itself. These possibilities do exist, and the area deserves a prospecting and mapping program generally with attention to the

the main zone of mineralization in an endeavor to extend the significant zone.

The initial work would consist of one geologist and two assistants running traverses across the area tying in prominent outcrops, mapping geology, tracing structural features. A small gas operated rock drill could be employed to drill and blast fresh exposures which would assist in the mapping and sampling work. Subsequently, a bulldozer could be employed to strip and trench those areas of significance to expose bedrock where extrapolations indicate zones of interest.

Following this initial phase, a diamond drilling program could be initiated to test at depth those zones of mineralization indicated on surface, and to test the behavior of the mineralization.

The mapping, sampling and test pitting work would require from five to six weeks to complete. The diamond drilling program would be detailed subsequently, and would be based on the results of the mapping work.

ESTIMATES:

3 men (1 geologist & 2 asst.) at \$150 per day for six weeks	\$6000.00
Transportation	1000.00
Camp and supplies, including explosives.	1000.00

Engineering and supervision	1500.00
Assays and lab work	1500.00
Misc. and contingencies	2000.00

Total Phase 1:-	\$13000.00

The time required to complete this phase is estimated to be six weeks. A study of the results would dictate the next phase of work.



DIVISION: SUPERINTENDENCE COMPANY (CANADA) LTD

1001 EAST PENDER STREET, VANCOUVER 6, B.C., CANADA
PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO:

HARVEY H. COHEN ENGINEERING LTD.,
1264 West Pender Street,
Vancouver, B.C.

CERTIFICATE OF ASSAY

No.: 7306-0154

DATE: June 4, 1973

We hereby certify that the following are the results of assays on: Ore Samples

MARKED							GOLD	NET WEIGHT
							OZ/ST SKM	OZ/ST GR/MT
1							Trace	
2							0.325	
3							0.032	
4							1.15	
HS/ek								

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST
PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATE-
MENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PER-
MITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS
LIMITED TO THE FEE CHARGED.

H. Sharples

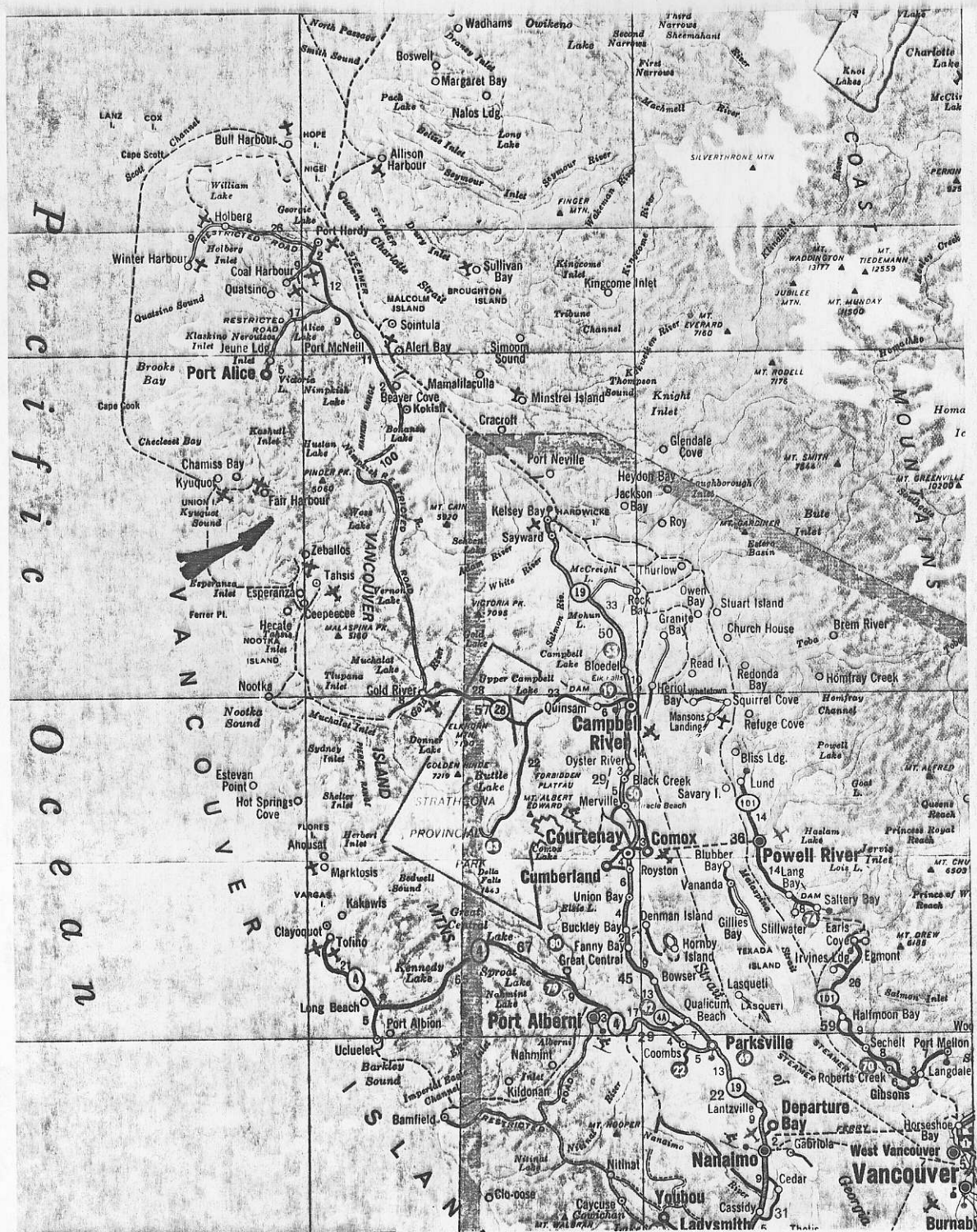
H. Sharples

PROVINCIAL ASSAYER

COPY

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists' Society • Canadian Testing Association
REFEREE AND/OR OFFICIAL CHEMISTS FOR: Vancouver Merchants Exchange • National Institute Of Oilseed Products • The American Oil Chemists' Society
OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade • Vancouver Merchants Exchange



KEY MAP SHOWING LOCATION OF AMAI INLET AREA, VANCOUVER ISLAND.

189-AM-1



MAP SHOWING CLAIM LOCATION
AU & UOI MINERAL CLAIMS
AMAI INLET, VANCOUVER ISLAND
ALBERNI MINING DIVISION

1"=1 mi.

June 1973

CERTIFICATE

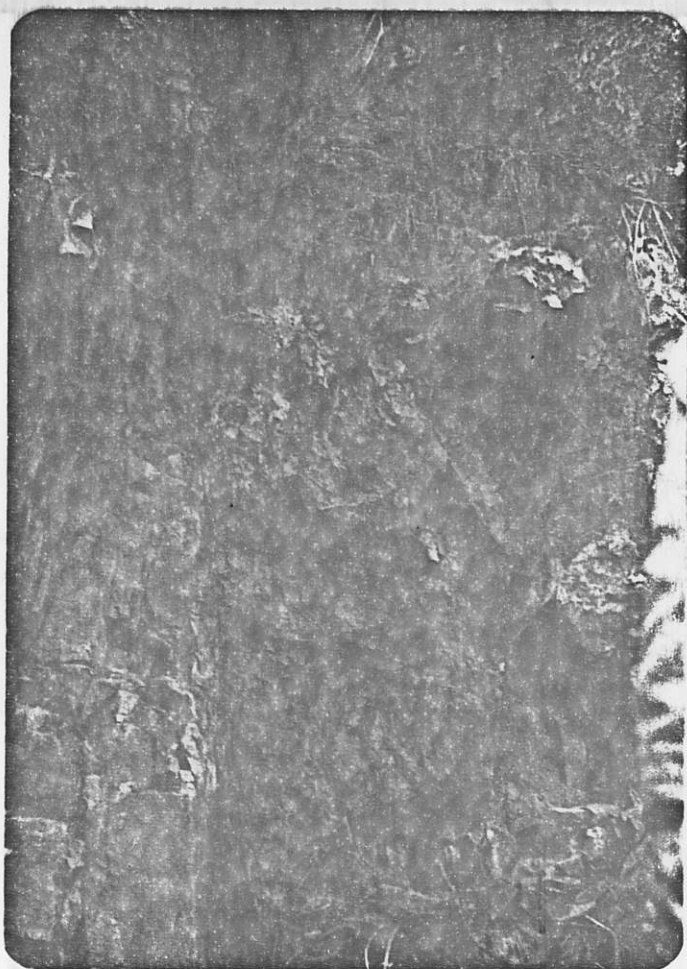
I, Harvey H. Cohen of 1264 West Pender Street, Vancouver 1, B. C.
hereby certify that:-

1. I am a graduate of the University of British Columbia
BApSc in Mining Engineering 1949.
2. I am a registered Professional Engineer in the Province of
British Columbia since 1954 and have been practising my
Profession for 24 years.
3. I have no direct or indirect interest in the Amai Inlet property
nor in any securities of New Jericho Development Corp. Ltd. NPL
the Company actively engaged in exploring this property.
4. I have no expectation of receiving or obtaining any interest in
securities of New Jericho Development Corp. Ltd. NPL.
5. Information contained in the accompanying report is based on
my personal examination of the subject property during the
period May 29-30, 1973.
6. The writer has checked the staking of the claims surrounding
the main workings and has found the work to be conducted in
accordance with the regulations set forth in the Mining Act.



Harvey H. Cohen, P. Eng.

To accompany Preliminary Report on the AU & UOI Mineral Claims,
Amai Inlet, Vancouver Island, Alberni Mining Division, dated June 7, 1973.



A MAI INLET, B. C.

Main shear zone looking south

Trench on the main working below adit





Portal below the main shear zone



Typical scarp face of fault zone