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Adam Thomson's
Au Group

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TO: W. M. SIROLA

FROM: J. C. LUND

November 10, 1969.

SUBJECT: Report on the Au Claim Group,
Amai Inlet, Vancouver Island, B.C.

INTRODUCTION:

The Au claim group consists of 10 Mineral Claims situated on the south side of Amai Inlet 80 miles west of Campbell River on Vancouver Island. The claims were located and are held by Adam Thomson, 4611 Albert Street, North Burnaby, B.C. These include the Au #1 - 6 and UOI #1 - 4 Mineral Claims. The property will be referred to here as the Au group for convenience.

An examination was made by the writer accompanied by Mr. Thomson, on November 4th, 1969. Heavy rain and hail persisted during the visit hindering somewhat sampling and examination of the showings. Heavy rain is typical of this area during fall and winter months.

TOPOGRAPHY AND ACCESS:

Topography is relatively rough. Maximum elevation in the claim area is 2300 feet, relative relief 1400 feet.

An adit and two trenches where most of the previous work has been done are at the 1600-foot elevation where the topography flattens.

B. C. Airlines maintains a daily float plane service to

Fair Harbour north of Amai and will stop at Amai to drop off or pick up passengers. Northland Navigation runs a weekly boat service to Fair Harbour. Logging roads connect Fair Harbour to a Logging Camp (Inlet Contractors Ltd.) at the head of Amai Inlet. Within 2 years existing logging roads will be extended to connect with the Port Hardy - Campbell River road through the Nimpkish Valley.

From Amai Inlet an unused logging road extends through the claim group about 2800 feet below the showings. A foot trail extends from Inlet Contractors camp to the unused road. Adam Thomson has a small cabin near the prospect.

PREVIOUS WORK:

Prior to 1941 the property was known as the Eclipse Prospect. A very limited amount of work was done in the form of hand trenching and drifting. The owner reports 2 adits and 3 trenches of which I examined the lower adit which is 30 feet long and 2 trenches. Interested parties in the past have taken samples, however the reliability of sampling is not known - values reported are high.

Assays From Previous Sampling

1) 40# sample	Au 5.91 oz/ton
2) No weight or length given	Au 2.3 oz/ton, Ag 0.1 oz/ton
3) As above	Au 3.68 oz/ton, Ag 0.1 oz/ton
4) Bulk Sample (1941) from dump, 215 lbs.	Au 4.145 oz/ton, Ag 0.2 oz/ton
5) (a) Chip sample from wall of drift 37" from fault.	Au 1.8 oz/ton
(b) As above	Au 0.93 oz/ton

No apparent effort has been made to establish width and distribution of gold in the fault zone.

GEOLOGY AND MINERALIZATION:

The claims are underlain by a medium-grained granodiorite which is part of the Coast Range Intrusions. Cutting the granodiorite is a near vertical N20°E striking fault. This fault has been traced intermittently over a length of 3,000 feet (?). Walls are chloritic and show slickensides - amount of gouge is variable but may reach 1" or 2" in thickness. Most common material seen within the fault is a crumbly altered phase of the granodiorite that in places carries abundant sericite and/or yellow-brown mica. Adjacent to the fault, rocks are fractured sub-parallel to the main break and on some surfaces are slickensided. There are between 3 and 5 of these fractures per foot. Cutting the main zone are a number of northerly striking faults with chloritic surfaces, some of which are slickensided.

Free gold occurs within the main fault and to some extent on adjacent fractures and secondary faults. Grains of gold, some 1/3 the size of a grain of rice were seen in a rock specimen taken 30" west of the main break as well as within the altered phase of the granodiorite in the main fault itself. Five samples taken gave the following results:

<u>Sample No.</u>	<u>Length</u>	<u>Location</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>
508	1 ft. chip	east from wall of main fault.	0.025	0.04
509	1 ft. chip	west from east wall of fault includes the fault material.	3.2	

510	10" chip	8 ft. below #508 taken east from 1 ft. from fault wall	0.020	Tr.
511	Grab	From dump	0.050	0.04
512	30" chip	eastward from #510	0.010	0.08

The sampling would suggest that high grade gold values lie within the main fault and as much as 30" west of the main fault. The rock sample taken 30" west of the fault was admittedly a grab but free gold was abundant and may easily carry a 3-foot or possibly a 5-foot mining width.

SUMMARY AND CONCLUSIONS:

A near vertical fault striking N20°E cuts granodiorite. Within this fault and adjacent fractures where either chlorite or sericite is present there is free gold visible to the naked eye.

Results of my sampling suggest that the high values are within the fault itself but because of the nature of the deposit and the conditions under which these samples were taken these chip samples would not necessarily reflect the true value of the deposit. An assay of between 3 and 4 oz/ton was obtained on a 1-foot sample taken from the fault and adjacent wall rock to the west.

The owner reports values in gold for several hundred feet along strike. No trenching or sampling has been done to establish grade, widths or distribution of values along strike. Trenching at 200-foot intervals and bulk sampling along the fault would be necessary

to evaluate the prospect.

RECOMMENDATIONS:

- 1) Obtain an agreement with Mr. Thomson which would permit Kerr Addison Mines to further sample the deposit.
- 2) If an agreement can be reached, cross trench the fault at 200-foot intervals for at least 1000 feet and take bulk samples from each trench.

This work could conceivably be done this fall however almost continuous heavy rains on the west coast of Vancouver Island at this time of the year could hamper the work.

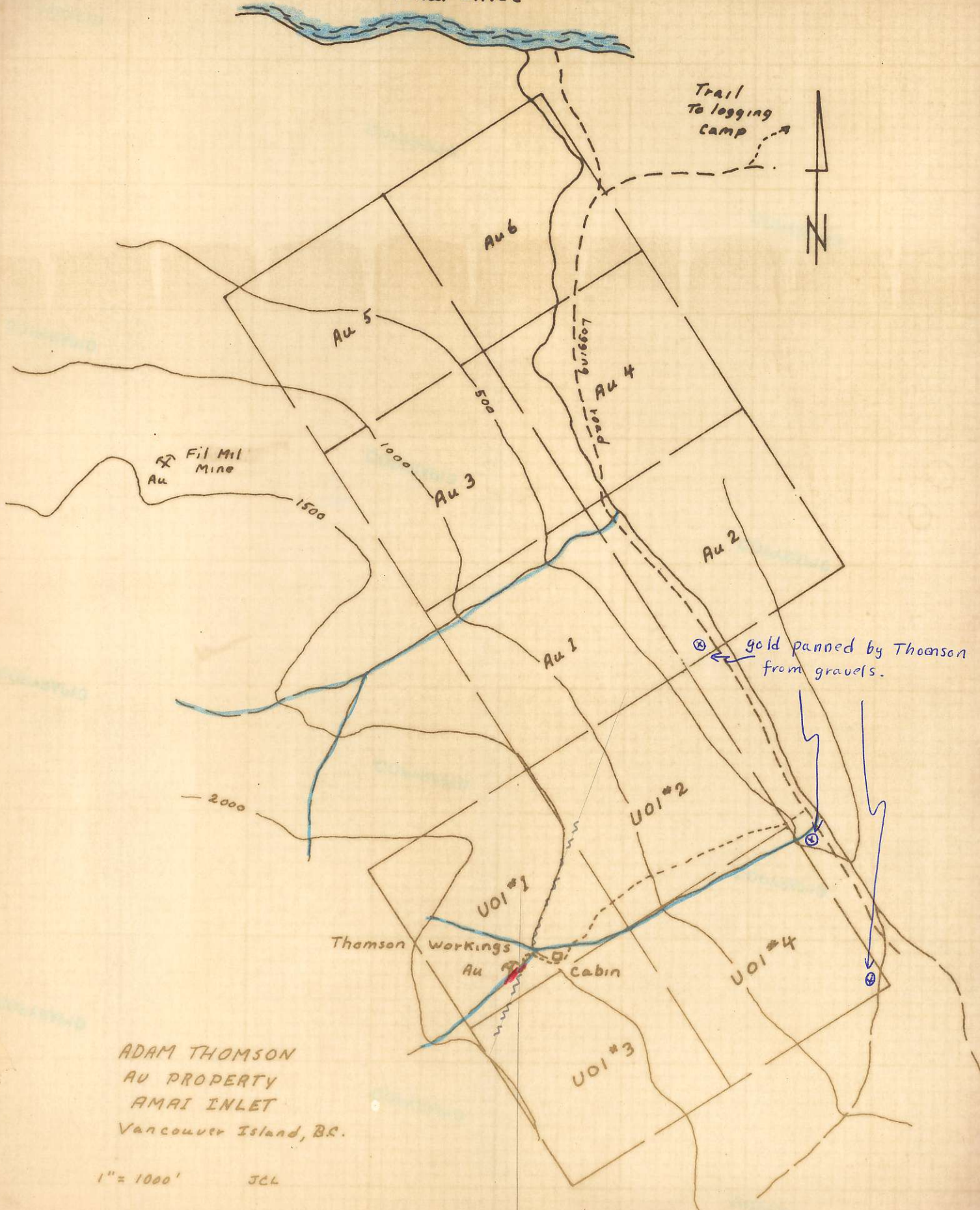
(signed)

John C. Lund.

JCL/lk

- Encl: 1) Adam Thomson, Claim Map, 1" = 1000'
2) Adam Thomson, Geology Map, 1" = 40'

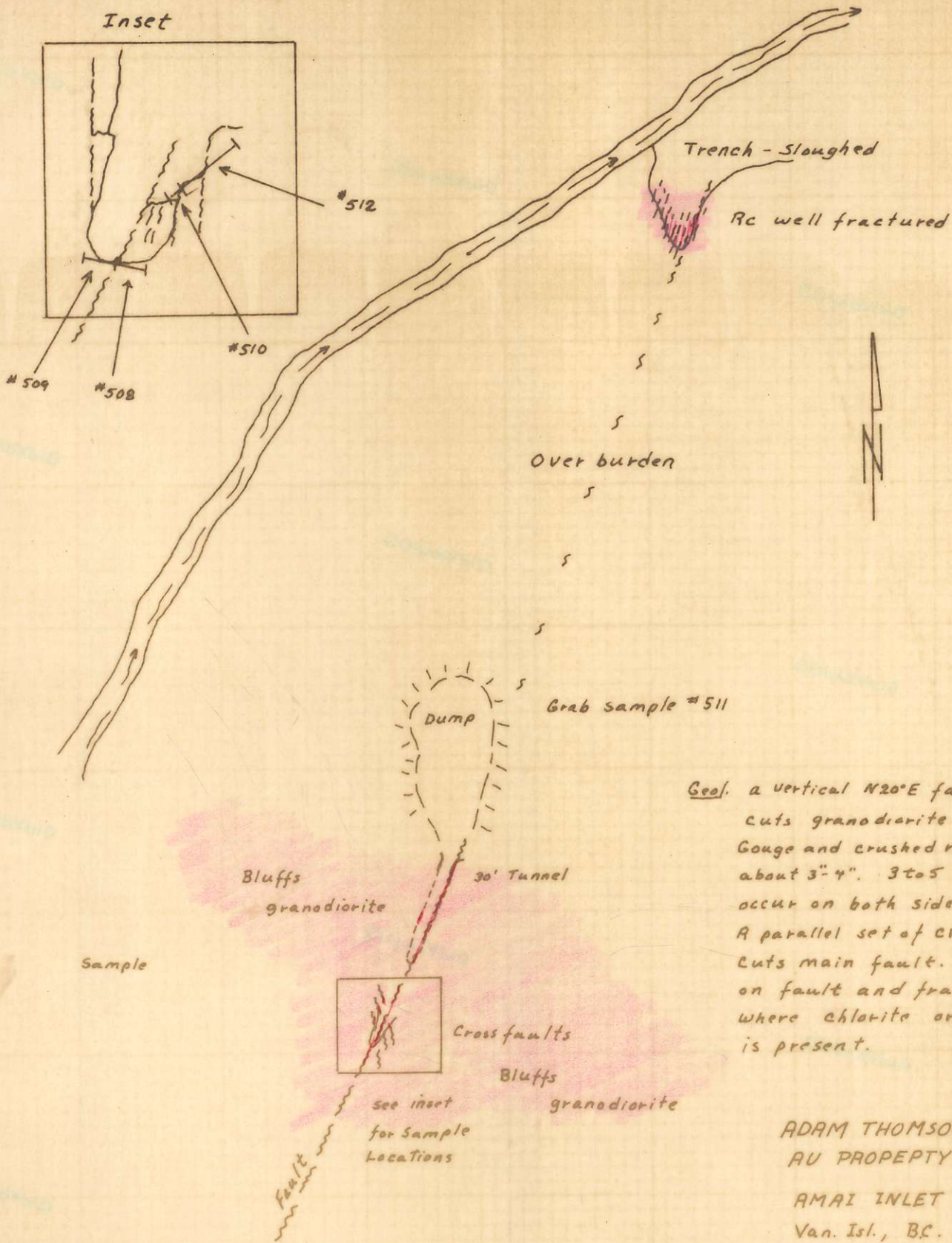
Amai Inlet



ADAM THOMSON
 AU PROPERTY
 AMAI INLET
 Vancouver Island, B.C.

1" = 1000' JCL

Nov. 7/69



Geol. a vertical $N20^{\circ}E$ fault cuts granodiorite. Gouge and crushed rock is about 3"-4". 3 to 5 fract./ft. occur on both sides of fault. A parallel set of cross faults cuts main fault. Au occurs on fault and fract. surfaces where chlorite or sericite is present.

ADAM THOMSON
 AU PROPERTY
 AMAI INLET
 Van. Isl., BC.

1" = 40' JCL

Nov 7/69