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REPORT ON EXAMINATION OF REVERTED
CROWN GRANTED MINERAL CLAIMS;
BLACK BEAR, ALDEBARAN, AND I'LL
CHANCE IT: ALICE ARM, SKEENA
MINING DIVISION, BRITISH COLUMBIA.

Prepared by:

Robert A. Brown,
Professional Geologist.

December 1976.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. _____

Robert A. Brown

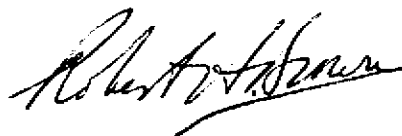
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798 Langham Court,
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December 9, 1976.

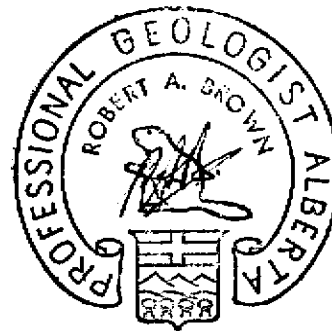
DECLARATION

I hereby declare that I am a Professional Geologist, a member of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta. I hold the degree of Ph.D. in Geology from McGill University. I also declare that I have actively practised this profession since 1939 both as a mine and as a petroleum geologist. I personally made the investigations reported upon in the following report with the assistance of G.S. Brown, a licensed airplane pilot and mechanic.



Robert A. Brown,
Professional Geologist.

RB/rb



Report on Examination of Reverted Crown Granted Mineral Claims;
Black Bear, Aldebaran, and I'll Chance It Claims: Alice Arm,
Skeena Mining Division, British Columbia.

INTRODUCTION

The subject claims were examined by the writer and G.S. Brown in June 1975 as was reported by the writer on February 29, 1975. (Report filed with the B.C. Department of Mines and Petroleum Resources.) As noted in the above report the claims are held by A. Lorinde with G.S. Brown and R.A. Brown each having an undivided one-third interest in them under the terms of an agreement made between these three men.

Following upon the results of the 1975 examination the three above named men (jointly forming the Abb Syndicate) decided that further examination and evaluation of the claims was warranted. They agreed that R.A. and G.S. Brown should do the work and they accordingly left Victoria for Alice Arm on July 4, 1976, returning to Victoria on July 14, 1976. A log of the trip and of the work done is appended. (Appendix 1.)

OBJECTIVES

1. To trench and sample again the dump designated No. 1 in the writer's 1975 report to confirm the values indicated by the 1975 study. (Note this dump is hereafter referred to as "Main Dump".)

2. To search for and examine other dumps shown on the Wober map of the property. (This is the map accompanying a report by MacDonald Consultants Limited on these and other adjoining claims. Report now in the possession of A. Lorinde.)

3. To examine if possible some or all of the underground workings and to obtain samples therefrom to confirm the silver values indicated on the Wober map and reported on various B.C. Dept. of Mines Annual Report Maps.

4. To make an approximate survey of the access road to the adits and dumps to tie their location more precisely to some known and recognizable point in the vicinity of Alice Arm.

WORK DONE

By pacing, chain, Brunton Compass, and aneroid barometer the access road was surveyed and tied in to the intersection of Falls Creek and the Alice Arm-Dolly Varden road. Other points of interest were tied in to the Wober map and corrections made to it.

The Main Dump was sampled along an 80-foot trench cut along its east-west center line from the top nearly to the toe of the dump.

A small dump (here designated No. 3 Dump) which is not shown on other maps of the property was found and sampled. Its location is shown on Figure 1.

A dump of crushed ore not found in the 1975 work was located, surveyed and sampled. This is hereafter called the Mill Dump. It was determined that it consists mainly of ore mined from the stopes of No. 4 adit.

The access road was partially cleared of the substantial growth of alder, willow etc. that had sprung up since last year.

Adits Nos. 1, 2, 2a, 3, 4, 5, and 6 were examined. The portals of Nos. 2, 2a, 4, and 6 are open, the others are caved in. We did not examine any of the adits however beyond a few feet in from the portal as the lack of timber, rotted condition of timber, or the presence of loose rock in the back made all seem rather unsafe. Grab samples from the 7 to 10 inch thick vein near the portals of Nos. 2 and 2a were taken. There is now no sign of the dumps below adits 1 and 2.

Consultations were held with Mr. I. Fiva who was underground foreman during some of the later phases of mining in adits 3 and 4. From him we obtained information about the mining methods used, dimensions of stopes and other relevant details. Tentative arrangements were made with him to buy or rent equipment which he has available in Alice Arm and which might be used should further work on the property be undertaken.

After return to Victoria the samples were quartered and on half of all samples from the dumps were sent to the provincial assay office for assay. The grab samples were submitted "as is". (See Appendix 2.)

Finally R.A. Brown calculated volume, tonnage and value of the material in the dumps and prepared this report.

RESULTS AND CONCLUSIONS

The resurvey showed that the location of the two largest dumps shown on the Wober map is not quite correct. There are indeed two dumps about 120 feet apart as his map shows but the more northerly one (Main Dump) is located below the portal of No. 4 adit and the more southerly below the portal of No. 5 adit, not below adits 2a and 4 as the Wober map indicates. (See Figure 1.) It thus appears that the muck in Main Dump came mostly from drifting and stoping in adits 2a, 3, and 4; that is from the richest and thickest parts of the vein exposed in the underground workings. Information from I. Fiva substantiates this assumption. He states that the stopes averaged three feet in height, floor to back. Using this value and dimensions obtained from the Wober map and from Figure 11, page 65 of the 1969 report of the B.C. Department of Mines and Petroleum Resources it was calculated that 4711 tons were mined from workings of adits 2a, 3, and 4. The Main, Mill and No. 3 Dumps are estimated to contain at least 3300 tons.

The indicated silver values in the dumps are therefore in accord with values reported from sampling of the underground workings. The discrepancy between the tonnage mined and that in the dumps might be because the depth of material in Main Dump is considerably greater than the six feet used in the volume-tonnage calculation made here.

Combining the information obtained from the examinations of 1975 and 1976 and eliminating the high values obtained from the commercially done assays the following figures are obtained:

Total broken ore in dumps	3300 tons.
Total silver content of ore	10,340 ounces.
Value at \$4.00/ounce	\$41,360.

It is concluded that the Abb Syndicate should thoroughly investigate the possibility of recovering and shipping the ore on the dumps to a custom smelter.

* * * * *

APPENDIX 1
Log of 1976 work.

July 4, 1976. G.S. Brown and R.A. Brown depart Victoria at 9:25 PM via Air Canada and overnight in Vancouver.

5 Depart Vancouver via C.P.Air flight 003 for Prince Rupert. Depart Prince Rupert via Transprovincial Airlines for Alice Arm. Arrive Alice Arm and collect tools and equipment from storage and arrange accomodation.

6 Preliminary examination of property. Locate Mill Dump.

7 Commence brushing out access road. Begin survey of road.

8 Continue survey of access road until stopped by rain.

9 Complete survey of access road to site of DDH 69-6 thus tying previous surveys to intersection of Falls Creek and the Dolly Varden road in Alice Arm. Measured and sampled Mill Dump.

10 Resurvey and sample Main Dump. Locate adits 1, 2, 2a, and 3 to assure that they are correctly located on Wober map.

11 Heavy rain prevents outside work. Consultation with I. Fiva.

12 Search for dumps shown on Wober map below adits 1, 2, and 2a, but fail to find them. Found, surveyed and sampled No. 3 dump. Sampled exposures of vein at portals of adits 2 and 2a.

13 Bagged and packed samples and arranged for transportation.

14 Return to Victoria.

<u>Total working & travelling time</u>	<u>Cost</u>
R.A. Brown, 66 hours at \$25.00 per hour	\$1650.00
G.S. Brown, 66 hours at \$15.00 per hour	\$ 990.00
	<u>\$2640.00</u>

July 21. Preparation of samples for assay.
 R.A. Brown and G.S. Brown, 4 hours each. \$160.00

December 1976 Compilation, calculations and preparation of report.
 R.A. Brown 15 hours at \$25.00 per hour \$375.00

Total cost of surveys etc. \$3175.00

* * * * *

APPENDIX 2
 Assay Results and Calculations

1976 Assays (Assays performed by Provincial Assay Office.)

Lab. No.	Submitter's Mark	Location of Sample	Ag, oz/ton
34671	312 D #7	0'-10' E-W trench, Main	4.5
34673	314 D #9	10'-20' " " "	0.9
34682	316 D #11	20'-30' " " "	2.1
34672	313 D #8	50'-60' " " "	2.3
34674	315 D #10	60'-70' " " "	3.3
34670	311D #6	70'-80' " " "	0.7

The Mill Dump was sampled along two intersecting trenches cut diagonally across the surface of the dump. Trench 1-4, 29' long, 27' sampled. Trench 5-2, 24' long, 24' sampled. Results as follows:

34665	2486 D #1	0'-12', Trench 1-4, Mill Dump	2.0
34666	2487 D #2	13'-28', " " "	3.6
34667	2488 D #3	0'-12' Trench 5-2, Mill Dump	2.9
34668	2489 D #4	12'-24' " " "	2.9
34669	2490 D #5	0'-12' Ko. 3 Dump	2.2
34683	317 D #17	Vein, 7", N. side portal 2a adit	60.8
34684	318 D #18	Vein, 12", N. side portal 2 adit	10.5

Main Dump:- Average Ag content from 1976 sampling.

10' x 4.5 ozs.	45 ozs.	
10' x 0.9	9	
10' x 2.1	21	
10' x 2.3	23	
10' x 3.3	33	
10' x 0.7	7	
<u>60'</u>	<u>138 ozs.</u>	Average 2.3 ounces per ton

Mill Dump:- Average Ag content from 1976 sampling.

12' x 2.0 ozs.	24 ozs.	
15' x 3.6	54	
24' x 2.9	69.6	
<u>51'</u>	<u>147.6</u>	Average 2.9 ounces per ton

Tonnage and Values.

Assumptions:- 13.2 cubic feet of muck per ton. Silver at \$4.00 per Oz.

Main Dump: 100' x 70' x 6' = 42,000 cu. ft. = 3182 tons
 Avg. Ag content, 1975 sampling, 4.0 oz. per ton
 Avg. Ag content, 1976 sampling, 2.3 oz. p r +
 Avg. Ag content from combined results 3.15 oz. per ton.
 Total Ag content 10,023 oz.
 Value \$40,092.00

Mill Dump 96 tons
 Avg. Ag content 2.9 oz. per ton.
 Total Ag content 278 oz. Ag
 Value \$1112.00

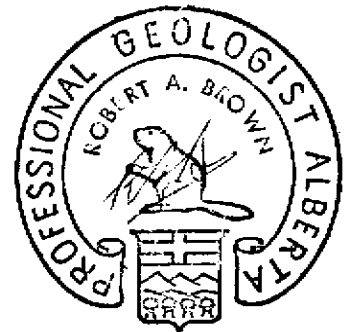
No. 3 Dump 18 tons
 Avg. Ag content 2.2 oz. per ton
 Total Ag content 39 oz. Ag
 Value \$156.00

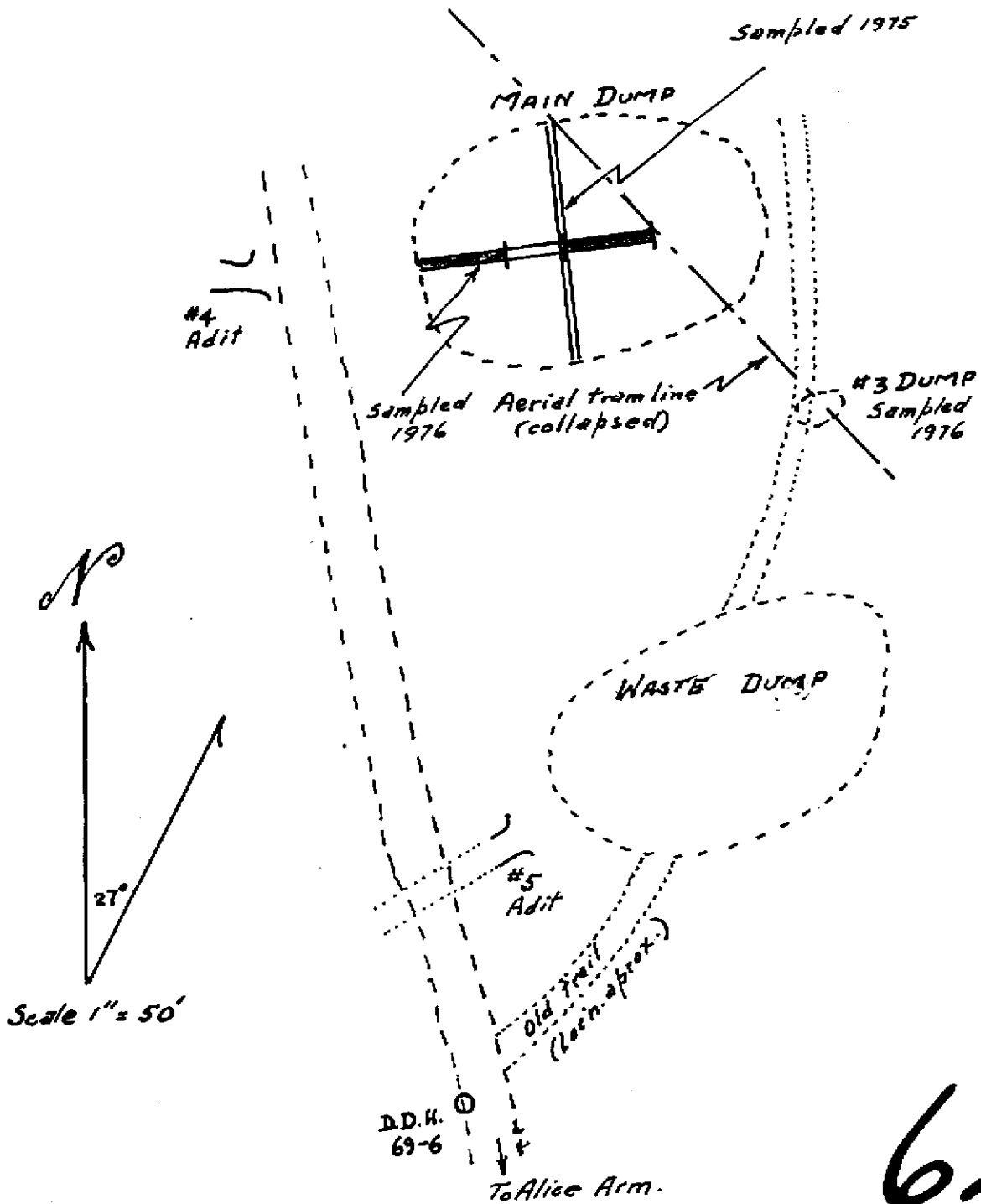
TOTALS, all dumps:-
 3296 tons
 10,340 ozs. Ag
 \$41,360.00



Robert A. Brown,
 Professional Geologist.

Victoria, B.C. December 9, 1976.

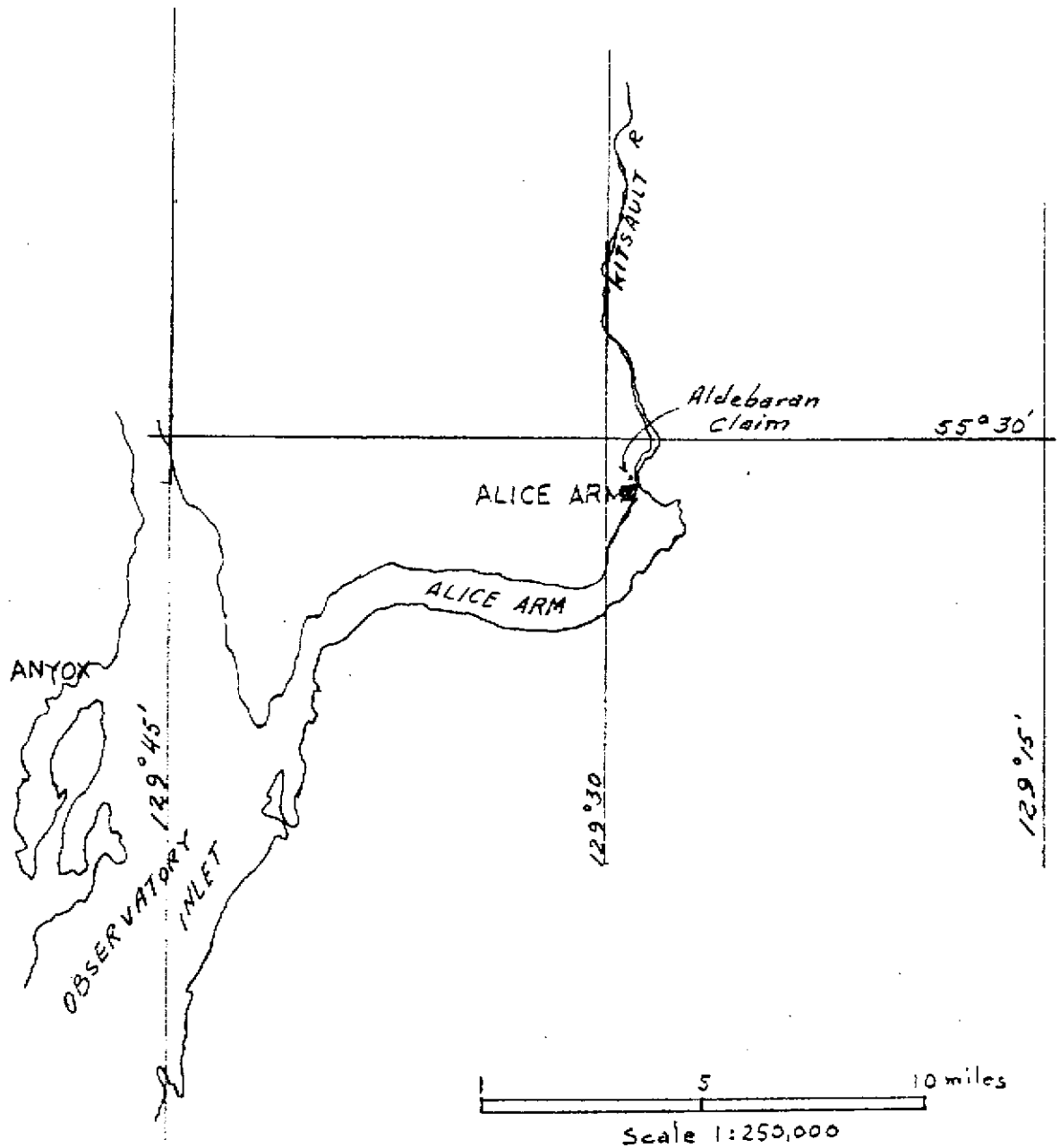




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FIGURE 1
 Ore & Waste Dumps, Aldebaran,
 Abb Syndicate (Esperanza) Alice Arm.
 R.A. Brown. Dec. 1976.



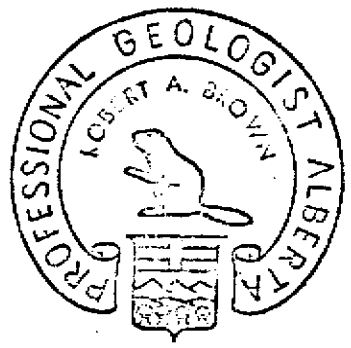
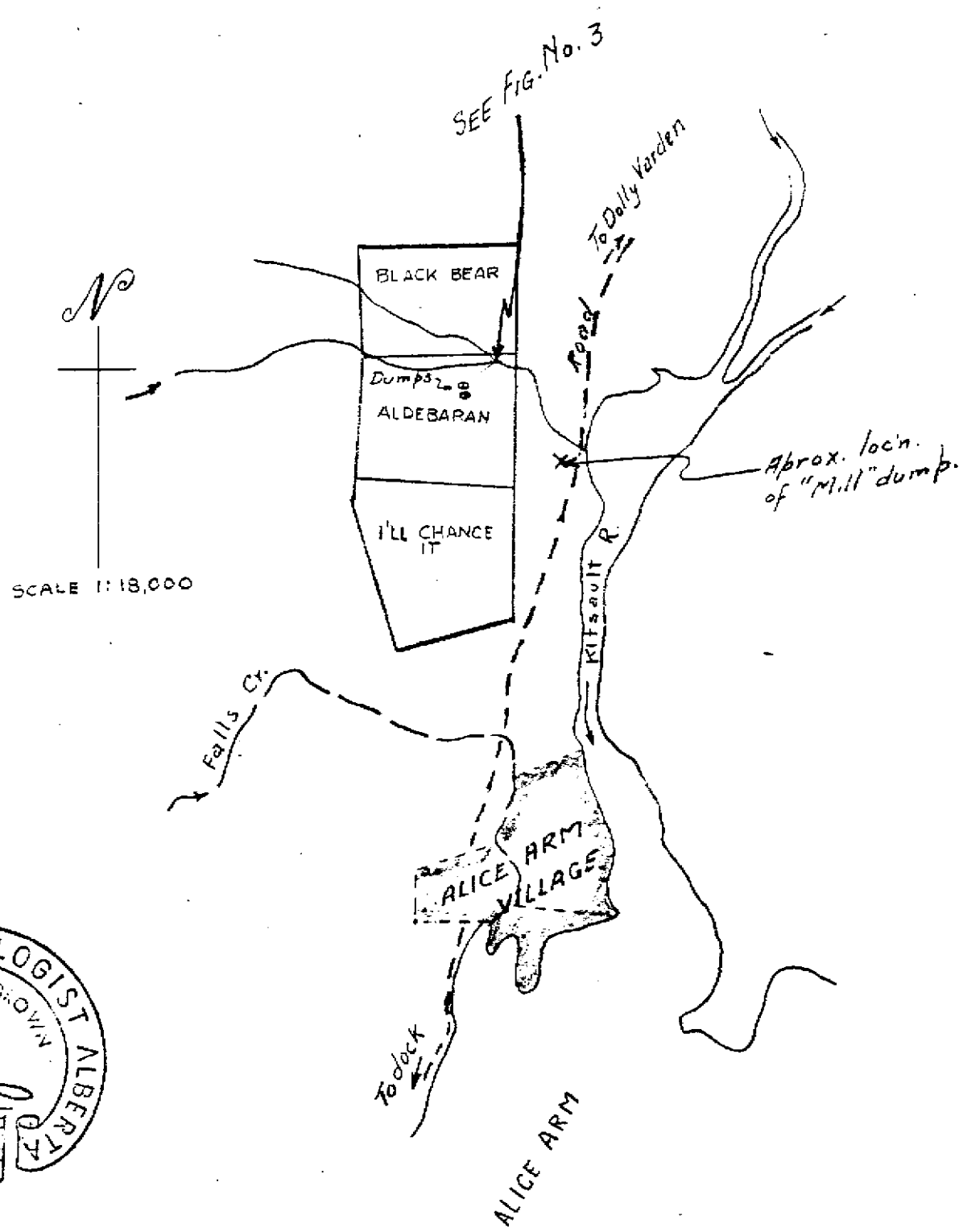
LOCATION OF ALDEBARAN CLAIM
 From Preliminary Map No. B
 B.C. Dept. of Mines & Pet. Resources.

FIGURE No. 1

R.A. Brown, Feb. 1976

Submitted as addendum to report on
 1976 work.

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LOCATION OF ALDEBARAN & ADJACENT CLAIMS
 From map by H. Wober for Lori Explorations Ltd.
 (N.P.L.)
 October 1968.

FIGURE No. 2
 R.A. Brown, Feb. 1976

Checked 1976 & submitted as addendum to report on 1976 work.

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