ASSESSMENT REPORT ON THE ARIZ #1 MINERAL CLAIM
IN THE NELSON MINING DIVISION

GEOCHEMICAL REPORT

LOCATION:	1:50,000 N.T.S. 82F/6
L.C.P. (SW CORNER ARIZ #1):	49°19'40N, 117°08' W
UTMG COORDINATES:	5463600 mN, 90300 mE
OWNER/OPERATOR	ARIZAKO MINES LTD. 812-475 HOWE ST. VANCOUVER, B.C. V2B 2B3
AUTHOR:	R.A. WELLS
DATE:	AUGUST, 1984

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MAPS

THE ARIZ #1 MINERAL CLAIM

INTRODUCTION

The Ariz #1 M.G.S. mineral claim (record number 3162) consists of 8 units owned and operated by Arizako mines Ltd. The claim is located 30 kilometers south-southeast of Nelson, in the Nelson Mining Division. Workings on the property occur on the northwest slope of the Ymir Creek Valley 13.2 kilometers northeast of the town of Ymir and between 1220 and 1420 meters elevation.

Access to the property is by a logging road which runs from Ymir up Ymir creek to the old Wilcox millsite. From this point access to the claim is by foot trail along the old tramways and sidehill trails.

Vegetation over the claim area is variable, ranging from cedar/hemlock at the base of the valley to secondary post fire growth of willow-poplar in the vicinity of the workings. Above 1500 m the vegetation opens to free standing spruce and fir. The terrain typically consists of steep 30° slopes with increasing outcrop visible towards the higher elevations.

The Ariz #1 is contiguous with 6 Crown Grants: the Arizona, Bywater, M.S., Fourth of July, Royal, and New Victor. In the early 1900's these crown grants were explored by prospectors but only the Arizona crown grant has recorded information. In 1905 the Minister of Mines Report mentioned that 250 tons was shipped and milled at the then existing Wilcox stamp mill. No values for this shipment were recorded. The claim remained dormant until 1941 when it was leased and an undetermined amount of ore was shipped. In 1943, 24 tons were shipped averaging 1.42 oz/ton Au, and 2.58 oz/ton Ag. The last recorded work was by B. Sterna in 1945 when 13 tons of ore averaged 1.92 oz/ton Au and 5.15 oz/ton Ag. The nearby Wilcox mine located on the Wilcox claim has a recorded production of 16,041 tons of ore milled which yielded 7,780 ounces of gold (.485 oz Au/ton), 16,932 ounces of silver, 216,551 pounds of lead, 65,569 pounds of zinc between 1901 and 1943.

The claim area lies within the Kootenay Arc, a north-southwesterly concave structural province representing a compressed suite of geosyndinal sedimentary and volcanic rocks locally intruded by phases of the Nelson Batholith. The actual property is underlain by various phases of the Nelson Intrusive series which contains north-northeast trending pendants which strike subparallel to the regional foliation. Locally where these pendants are sheared, they form mica schists.

Exploration and development activity, in the past, centered on several quartz veins (75°-80° strike, 70°-90° north dip) which have been emplaced along minor shears in the granite. The mineralized veins (particularly those occuring in the Wilcox mine) abut and appear to terminate against a roof pendant of Ymir sedimentary rock (10°-82° southeast). These veins consist of massive white bull quartz containing up to 30% sulphides composed of pyrite and pyrrhotite with minor sphalerite, galena and arsenopyrite. Emplacement of these veins is believed to be coincident with similar veins in the main Ymir gold camp. Values are principally in gold, however, there are minor values in silver and trace amounts of lead and zinc.

Veins which were economically mined on the Wilcox claim terminate to the west against a roof pendant. In this contact area the mineralization has invaded the host granite forming L and T shaped mineralized zones of disseminated mineralization of up to 4.90 meters.

To explore the possibility that mineralization has persisted into the pendant 5 geochemical soil lines 150 meters in length at 30 meter intervals were established near the granite/pendant contact.

DETAILED TECHNICAL DATA AND INTERPRETATION

During the month of June 1984, the author and an assistant traversed to the area of interest. Surface exposures of mineralized quartz veins were observed to strike into the granite/pendant contact area. The thin overburden over the contact suggested that soil geochemistry would be an effective means to detect the presence of persisting mineralization. To cut the contact area obliquely, 5 flagged control lines were established at 075^{o} and soil samples were collected at 15 meter intervals. At certain sites soil samples could not be collected due to extensive talus.

The sampling procedure consisted of excavating a hole generally 20-30 cm in depth with a digging tool, well into the B-horizon and collecting 100-200 grams of soil which in each case was stored in appropriately labelled standard brown paper soil bags. The 39 soil samples collected were shipped to Kamloops Research and Assay to be analysed for gold, lead, and zinc.

Results:

The soil analyses results for the three elements were plotted on a composite grid plan (see Figure 4). Several sites, particularly on line 0+60S, and line 0+90S contain anonalous values that exceed 100 ppb Au, 100 ppm Pb, and 1,000 ppm Zn.

Conclusions and Recommendations:

The positive response of the geochemical survey is very encouraging. The anonalous nature of the Au, Pb, Zn suggests that mineralization of interest may well persist into the sedimentary pendant.

Several of the highest response sites should be hand-excavated to attempt to determine the source of the Au, Pb, Zn. If initial follow-up prospecting is successful a control grid will be establised to facilitate geological mapping and further soil geochemistry, Perhaps applied soil geochemistry to the northeast and southwest along the granite/pendant contact will identify other mineralized veins occuring in the vicinity.

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

912 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — TELEX: 048-8320

GEOCHEMICAL LAB REPORT

Scope Exploration Ltd.
Box 1101,
Merritt, B.C.
VOK 2B0

DATE June 27, 1984.

ANALYST

FILE NO. Project #102

FILE NO. G 1108

KRAL NO.	IDENTIFICATION	ppb Au	ppm Pb	ppm Zn	KRAL #	Identification	ppb Au	ppm Pb	ppm Zn
1	L0+00 0+00	L5	23	163	31	L0+90S 1+50W	75	177	1010
2	0+15W	25	22	250	32	L1+20S 0+00	140	155	1040
3	0+30W	80	46	506	33	0+15W	80	161	1070
4	0+75W	10	40	356	34	0+45W	65	174	1020
5	0+90W	45	29	268	35	0+75W	115	168	995
6	1+05W	15	59	273	36	0+90W	60	160	810
7	1+20W	15	53	262	37	1+20W	55	182	861
8	1+35W	15	26	178	38	1+35W	70	160	850
9	1+50W	L5	33	200	39	1+50W	85	163	895
10	L0+30S 0+30W	20	49	362					
11	0+75W	40	47	230					
12	1+20W	10	35	235					
13	1+35W	10	18	157					
14	1+50W	15	39	161					
15	L0+60S 0+75W	190	142	600					
16	0+90W	200	151	535					
17	1+05W	225	165	994					
18	1+20W	90	172	582					
19	1+35W	115	137	769					
20	1+50W	120	147	702					
21	L0+90S 0+00	270	129	415					
22	0+15W	115	153	498					
23	0+30W	150	145	486					
	0+45W	115	166	925					
	0+60W	45	175	939					
	0+75W	140	170	1100					
	0+90W	105	170	1030					
	1+05W	85	189	968					
	1+20W	85	177	922					
	1+35W	115	180	939					

Au Method: -80 mesh
Fire assay
Atomic absorption

Pb, Zn Method: -80 mesh
Hot acid extraction
Atomic absorption

DETAILED COST STATEMENT

<u>GEOLOGIST AND ASSISTANT</u>	
4.0 days for R. Wells @ 225.00/ day	900
3.0 days for assistant J. Beggs @ 120/day	360
Food and accomodation	150
4-wheel drive pickup rental plus gas	270
<u>DRAUGHTS MAN</u>	
1.0 days for R. Mitchell @ 140/day	140
<u>KAMLOOPS RESEARCH AND ASSAY LABRATORY LTD.</u>	
Invoice	370
<u>TYPING & SUPPLIES</u>	<u>120</u>
TOTAL COST	$2,310

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — TELEX: 048-8320

Scope Exploration Ltd.
Box 1101,
Merritt, B.C.
VOK 2B0

INVOICE: 84-0319

DATE: June 27, 1984.

FILE No. G 1108

Re: Project 102

39 Sample preparation	@ $ .70	$ 27.30
39 Gold geochem	@ 6.00	234.00
39 Lead geochem	@ 1.90	74.10
39 Zinc geochem	@ .90	35.10
		$ 370.50

AUTHORS CERTIFICATE

I, Raymond A. Wells, of Merritt, British Columbia, do hereby certify that:

1. I am a geologist employed by Scope Exploration Services Ltd., P.O. Box 1101, Merritt, British Columbia.

2. I am a graduate of the University of British Columbia with a B. Sc. Degree in Geology (1976).

3. I have practised my profession since graduation. My previous employers include Trigg, Woollett and Associates of Edmonton, Pan Ocean Oil Ltd., of Calgary, and Cordilleran Engineering of Vancouver.

4. Recent clients include London Silver Corporation of Vancouver, Lawrence Mining Corporation and Goldrich Resources Inc. of Vancouver, B.C.

5. This Assessment report is based on research and field activities conducted during 1984.

Respectfully submitted,

R. A. Wells

Raymond A. Wells,
August 16, 1984

STATEMENT OF QUALIFICATION

I, John Beggs, have been employed in exploration field work for 5 years. During this time I have gained extensive experience in geochemical techniques and grid preparation under the direction of seasoned field personnel.

John Beggs

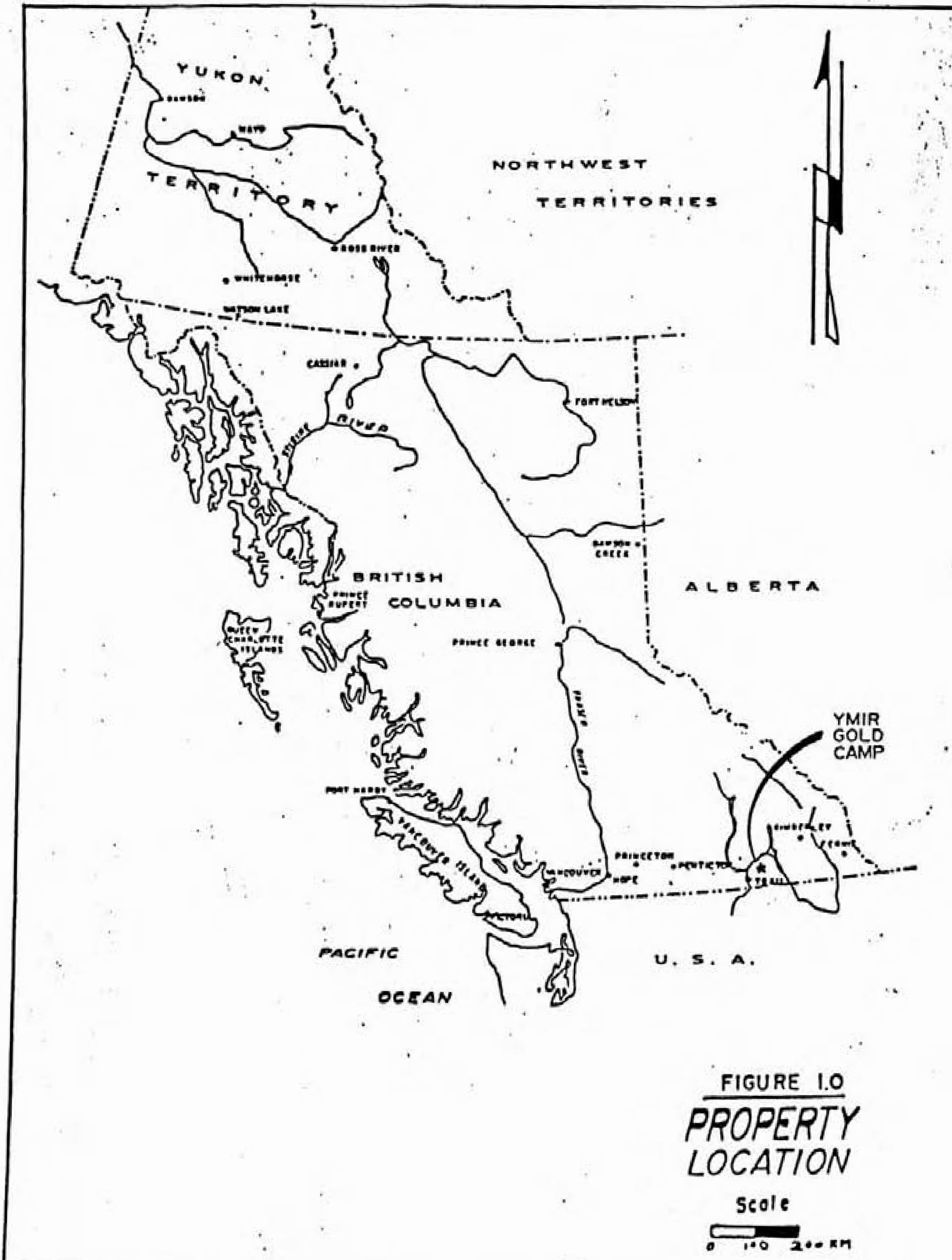
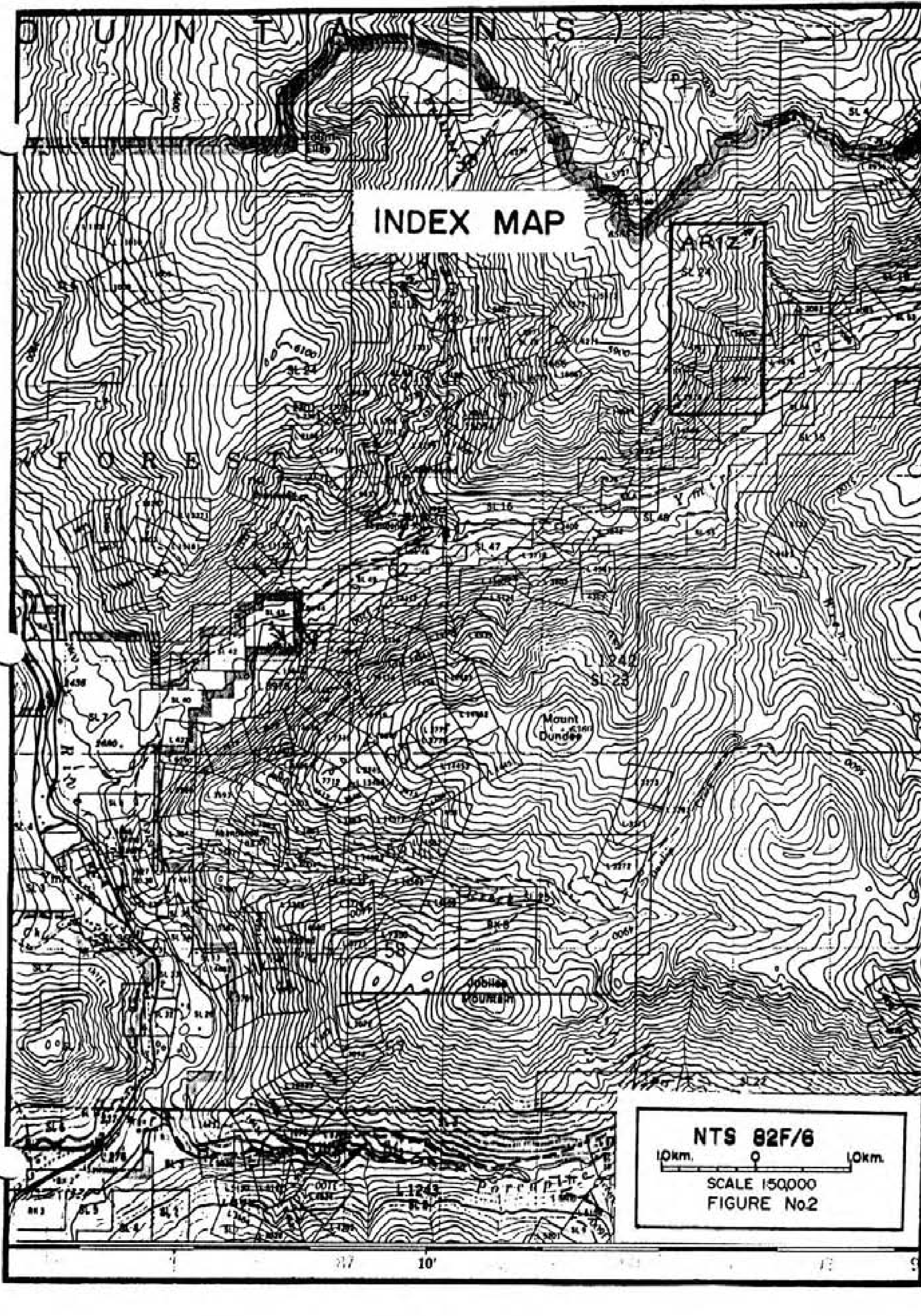
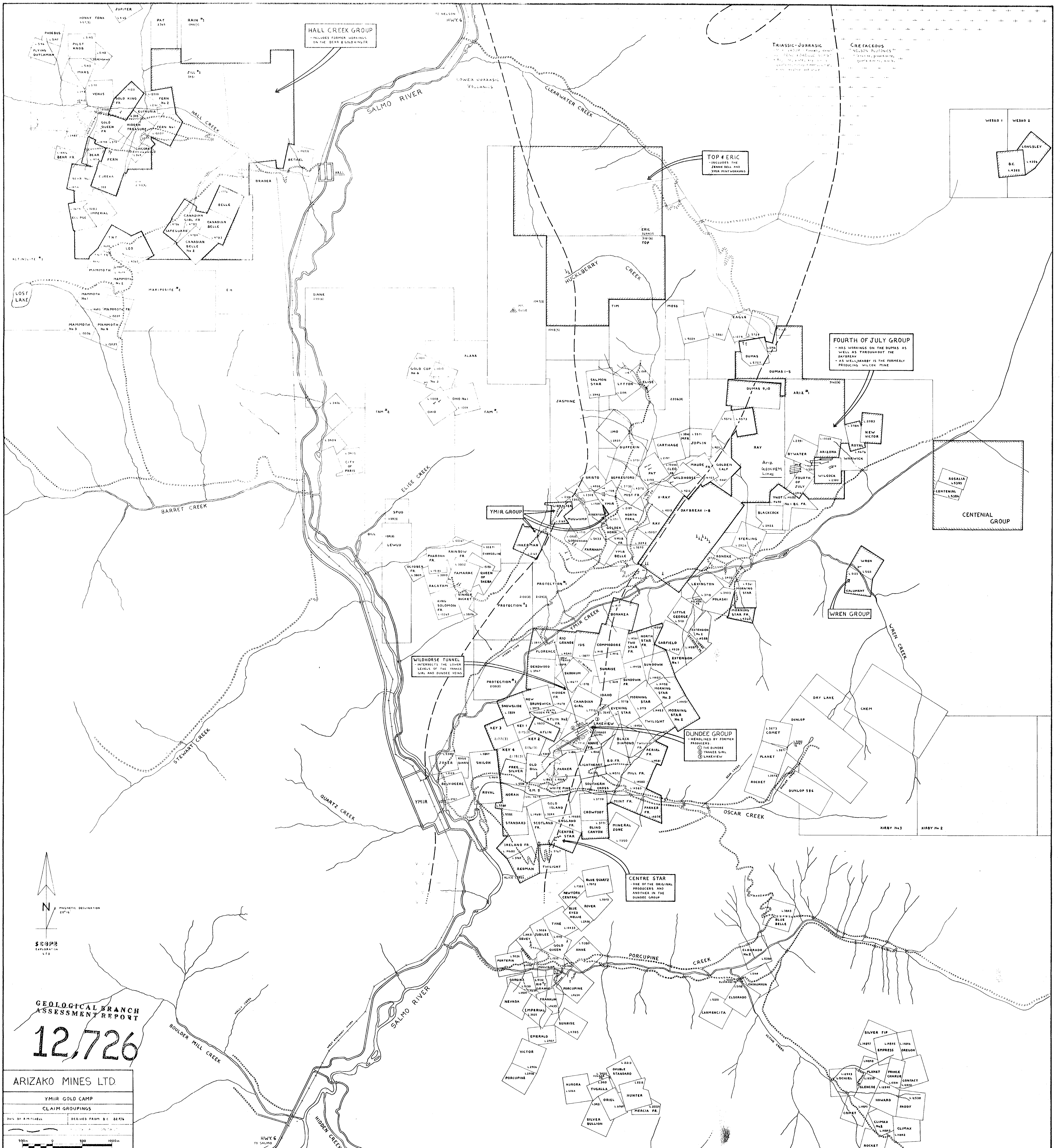
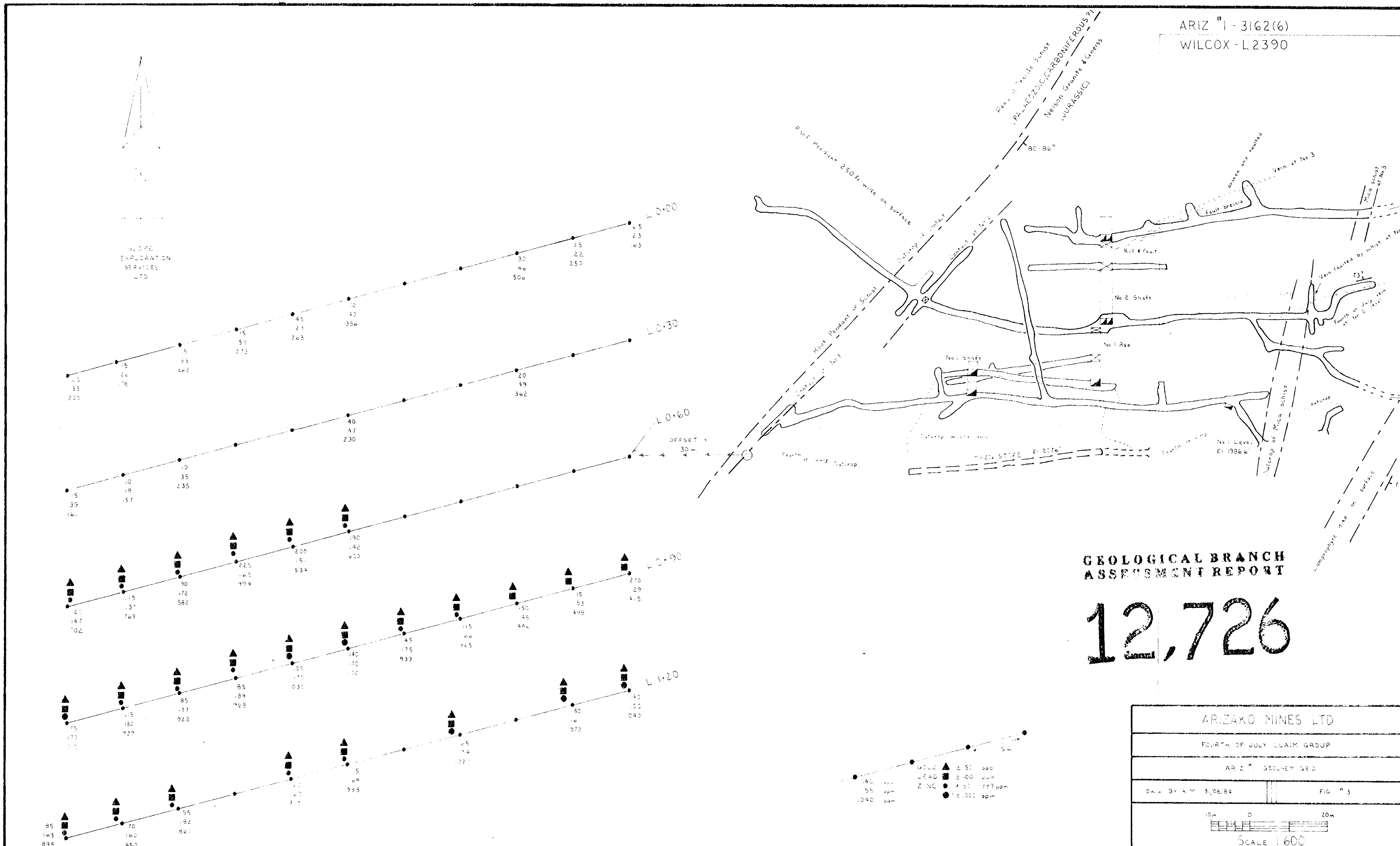


FIGURE 1.0
PROPERTY LOCATION


INDEX MAP
FOREST
Mount Dundee
L 1242
SL 23
L 1243
NTS 82F/6
1.0km.
0
1.0km.
SCALE 1:50,000
FIGURE No.2
10'


HALL CREEK GROUP
- INCLUDES FORMER WORKINGS ON THE BEAR & GOLD KING
TOP & ERIC
- INCLUDES THE JENNIE BELL AND YMIR MINT WORKINGS
FOURTH OF JULY GROUP
- HAS WORKINGS ON THE DUMAS AS WELL AS THROUGHOUT THE DAYBREAK
- AS WELL, NEARBY IS THE FORMERLY PRODUCING WILCOX MINE
YMIR GROUP
CENTENIAL GROUP
WREN GROUP
WILDHORSE TUNNEL
- INTERSECTS THE LOWER LEVELS OF THE YANKEE GIRL AND DUNDEE VEINS
DUNDEE GROUP
- HEADLINED BY FORMER PRODUCERS
1 THE DUNDEE
2 YANKEE GIRL
3 LAKEVIEW
CENTRE STAR
- ONE OF THE ORIGINAL PRODUCERS AND ANOTHER IN THE DUNDEE GROUP
TRIASSIC-JURRASIC
CRETACEOUS
LOWER JURRASIC VOLCANICS
SALMO RIVER
CLEARWATER CREEK
HALL CREEK
HUCKLEBERRY CREEK
ELISE CREEK
BARRET CREEK
STEWART CREEK
QUARTZ CREEK
YMIR CREEK
OSCAR CREEK
WREN CREEK
PORCUPINE CREEK
BOULDER MILL CREEK
HIDDEN CREEK
HWY. 6
TO NELSON
HWY. 6 TO SALMO
HALL
YMIR
LOST LAKE
MAGNETIC DECLINATION 20°16'
SCOPE EXPLORATION LTD
GEOLOGICAL BRANCH ASSESSMENT REPORT
12,726
ARIZAKO MINES LTD.
YMIR GOLD CAMP
CLAIM GROUPINGS
DWG BY R MITCHELL
DERIVED FROM B C 82 F/6
500m 0 500 1000m
SCALE 1 20,000



ARIZ #1 - 3162(6)
WILCOX - L2390
SLOPE EXPLORATION SERVICES LTD
Pend d'Oreille Schist (PALAEOZOIC CARBONIFEROUS?)
Nelson Granite & Gneiss (JURASSIC)
80-86°
Roof Pendant 250 ft wide on surface
Roof Pendant of Schist
Vein at No 3
broken and faulted
Fault breccia
Mica Schist at No 3
No 2 Shaft
Vein faulted by schist at No 2
Fourth of July vein at No 2 level
73°
No 1 Shaft
No 1 Rse
No 1 Level El 1986.6'
Outcrop of Mica Schist
Fourth of July Outcrop
OFFSET = 30 m
Lamprophyre dike on surface
75°
L 0+00
L 0+30
L 0+60
L 0+90
L 1+20
GEOLOGICAL BRANCH ASSESSMENT REPORT
12,726
GOLD ≥ 50 ppb
LEAD ≥ 100 ppm
ZINC
140 ppb
55 ppm
1040 ppm
5 m
ARIZAKO MINES LTD
FOURTH OF JULY CLAIM GROUP
ARIZ #1 GEOCHEM GRID
DWG BY R.M. 31/08/84
FIG #3
10m 0 20m
SCALE 1:600