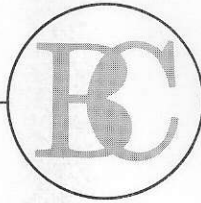


673535 REPORT on the
BEV AND RITE-ON CLAIMS
KAMLOOPS MINING DIVISION, B.C.
for ALAKON METALS LTD. (N.P.L.)

by: W.R. Bacon, Ph.D, P.Eng.

April 10, 1972.



BACON & CROWHURST LTD.

1720-1055 West Hastings Street
Vancouver 1, B.C.

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on the

BEV AND RITE-ON CLAIMS

KAMLOOPS MINING DIVISION, B.C.

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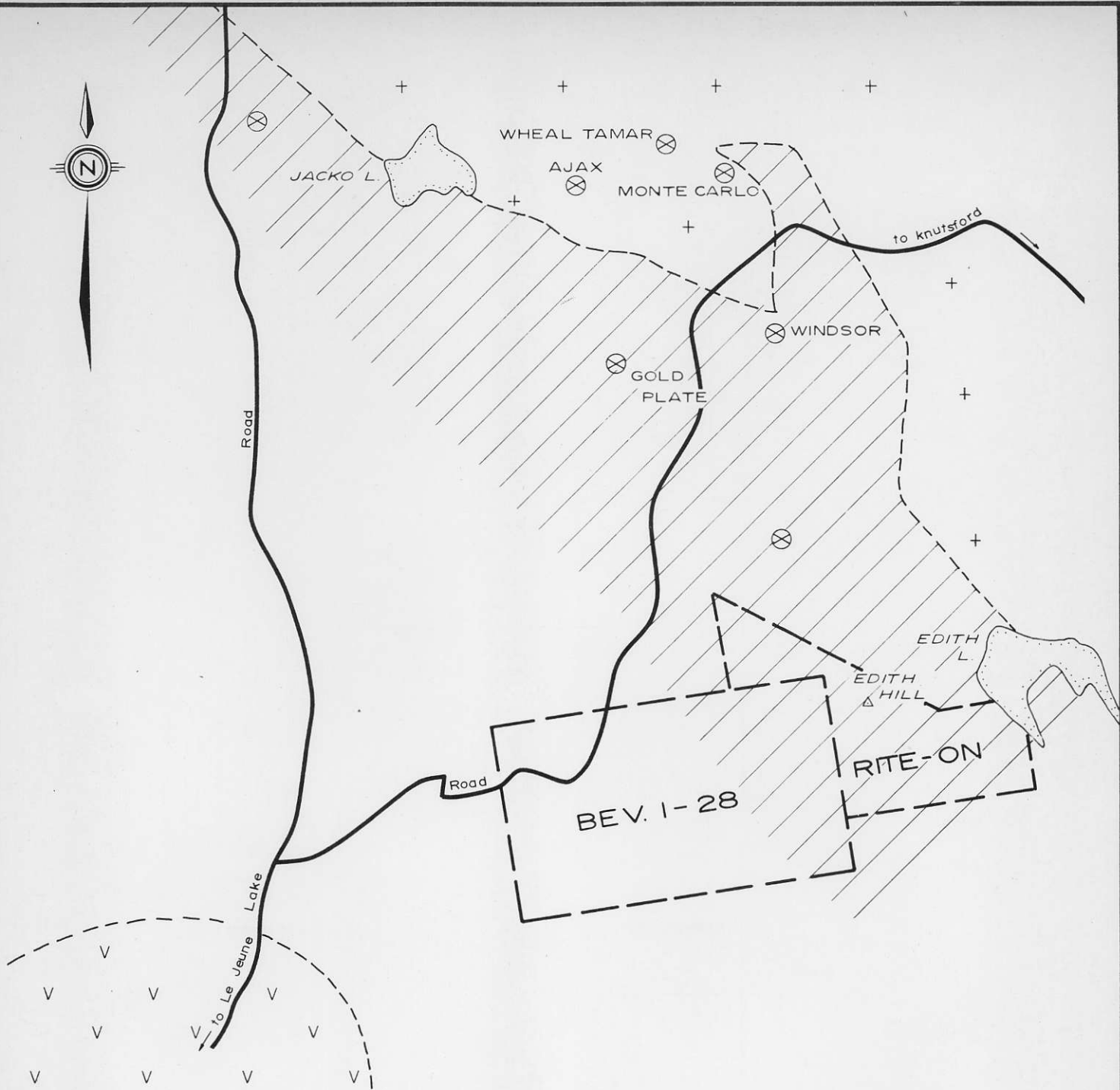
ALAKON METALS LTD. (N.P.L.)

by

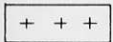



W.R. BACON, Ph.D, P.Eng.

Vancouver, B.C.

April 10th, 1972.



LEGEND

-  IRON MASK BATHOLITH
-  NICOLA BATHOLITH
-  NICOLA VOLCANICS
-  REPORTED MINERAL OCCURRENCE

BACON & CROWHURST LTD.

SKETCH SHOWING
LOCATION
(PENDING SURVEY)
OF
BEV & RITE-ON CLAIMS
KAMLOOPS AREA

SCALE: 1:50,000

APRIL 7, 1972

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
GENERAL GEOLOGY	2
LOCAL GEOLOGY	3
RECOMMENDATIONS	3
COST ESTIMATE	4
CERTIFICATE	5

ILLUSTRATION

Sketch showing Location of Bev & Rite-on Claims
Scale: 1:50,000

Frontispiece

INTRODUCTION

The location of the Bev and Rite-on claims is shown on the frontispiece. They are 10 miles south of Kamloops and may be reached by secondary road from Knutsford, a hamlet 5 miles south of Kamloops on Highway 5.

The Bev claims were visited by the writer on February 1st, 1972. Several claim posts were examined and the staking appears to be done in accordance with the Mineral Act.

At the time of examination, much of the area was covered by snow; consequently this report is derived largely from the writer's knowledge of the area and from a perusal of three Government reports* on the general vicinity.

The property is on Edith Hill and the west flank of Edith Hill. The Bev claims form a rectangular block 7 claims long by 4 claims wide and the Rite-on claims are adjacent to the northeast corner of the Bev claims. The Rite-on claims consist of Rite-on 1-4, 13-22, 23 Fr., 24 Fr.

The area of the claims is partially timbered and partially open grazing country. Elevations range from 3000 feet to 3802 feet at the summit of Edith Hill.

* Report of the Minister of Mines, 1956, pp. 47-69.
Report of the Minister of Mines, 1967, pp. 137-147.
G.S.C. Memoir 249, Geology and Mineral Deposits of Nicola Map Area,
B.C. by W.E. Cockfield.

GENERAL GEOLOGY

Any consideration of the Bev and Rite-on claims must involve a consideration of the Iron Mask batholith (see frontispiece). The batholith outcrops about 3 miles southwest of Kamloops. It trends northwesterly and is less than 3 miles in average width. In length, the batholith may be said to extend no farther north than the Trans-Canada Highway and, if so, its dimensions, 3 miles x 12 miles, do not qualify it for the name 'batholith'. If, however, one presumes the batholith to continue beyond the Trans-Canada Highway, beneath the Tertiary volcanics and sediments, and resurface in the Kamloops Lake area, its dimensions could be 3 miles x 20 miles and thus it would attain the minimum dimensions required of a batholith.

With regard to the country in which the Bev and Rite-on claims are located, it should be emphasized that outcrop is not common. The locale of both claim groups is a southeasterly trending remnant of Nicola group rocks that lies between the Iron Mask batholith on the north and the Nicola batholith on the south.

The rocks of the Iron Mask batholith are considered to be of Jurassic age and consist mainly of syenite, monzonite, diorite and gabbro. These rocks are intrusive into the Upper Triassic Nicola group rocks that in the area under consideration are entirely volcanic. Pyroclastic types of basaltic composition predominate on the southern margin of the Iron Mask batholith.

To the south of the volcanic re-entrant is the northern extremity of the Nicola batholith which extends northerly from Nicola

Lake for a distance of twenty-six miles. The Nicola batholith, which is about 5 miles wide for much of this distance, consists mainly of granodiorite and quartz diorite. In many places these rocks have a pronounced gneissic aspect.

LOCAL GEOLOGY

The Nicola volcanics, between Jacko Lake and Edith Lake, are represented by bedded and massive tuffs of basaltic composition.

The Iron Mask rocks in the Edith Lake area are mainly the finer-grained batholithic rocks, consisting of microdiorite and micro-monzonite. Pyroxenite, a coarser-grained rock, is also present in the Edith Lakes area. It is a heavy grey-green rock of crystalline appearance and is strongly magnetic. Dioritic or gabbroic rocks have been noted in the same area and have been termed pyroxenic diorite.

The Rite-on claims appear to be centred on a local magnetic high of 3140 gammas. The northwest corner of the Bev claims contains a magnetic depression. The significance of these features is not known at the present time.

No showings are known on the claims under consideration. The Nicola rocks are favourable host rocks for copper, however, as witness the deposits of Craigmont and Similkameen Copper.

RECOMMENDATIONS

The property merits investigation for copper deposits. Recent efforts, notably on the nearby Afton property, indicate clearly that the Iron Mask area and environs warrants serious attention.

An exploration program should start with linecutting, then proceed with magnetometer and soil surveys; should this give encouraging results, a second phase would involve an induced polarization survey and drilling. Drilling can be done with a percussion drill as, fortunately, the property has no cover of post-mineral Kamloops volcanics.

COST ESTIMATE

Phase 1

Perimeter survey of claims	\$3,000
Linecutting, 45 miles @ \$150/line mile	6,750
Magnetometer survey	1,800
Soil survey	3,000
Supervision, geology, engineering	1,500
Vehicle rental	<u>500</u>
	\$16,550
Contingencies, say 10%	<u>1,655</u>
	<u>\$18,205</u>

Phase 2

Induced polarization survey 45 miles @ \$450/line mile	\$20,250
Percussion drilling, 5000 ft. @ \$3/ft.	<u>15,000</u>
	<u>\$35,250</u>
Total	<u>\$53,455</u>

Respectfully submitted,

BACON & CROWHURST LTD.



W.R. Bacon, Ph.D, P.Eng.

CERTIFICATE

I, William R. Bacon, with business address at
1720 - 1055 W. Hastings St., Vancouver, 1, British Columbia,
DO HEREBY CERTIFY THAT:

1. I am a consulting geological engineer.
2. I am a graduate of the University of British Columbia with
B.A.Sc. (1939) and M.A.Sc. (1942) degrees in Geological
Engineering.
3. I am a graduate of the University of Toronto with a Ph.D (1952)
degree in Economic Geology.
4. I have practised my profession for thirty years in Canada, South
America and Australia. During the past twenty years, the majority
of my time has been spent in British Columbia; it includes seven
years (1949-56) as geologist with the B.C. Department of Mines.
5. I have personally examined the Bev claims in the Kamloops area
of British Columbia.
6. I have no interest, direct or indirect, in the property nor do
I expect to acquire any such interest.



W.R. Bacon, Ph.D, P.Eng.

Vancouver, Canada.
April 10th, 1972.