

Tyax  
889167  
92J/15W

Province of  
British Columbia

Ministry of  
Energy, Mines  
Petroleum Resources

M E M O R A N D U M

October 9, 1987

To: Ron Smyth  
Chief Geologist

Re: MINERAL POTENTIAL OF TYAX PROPERTY,  
Goldbridge Area

DATE OF VISIT: October 7, 1987

OWNER: X-Cal Resources

CLAIMS: Tyax (8 units)

NTS: 92J NE/15W Lat. 50 56'N Long. 122 47'W

Mineral Inventory No.: None (adj. MI 92J/NE076 to west -  
Peerless).

Access: Very good vehicular. Power on site.

Field Contact: Scott McKenzie & Gary Cooney - Field Foremen.

Office Contact: Shawn Kennedy, President.

Consultants: Dr. Franc Joubin, Chris Sampson, Brian Game.

EXPLORATION HISTORY:

- 1964 - Mrs. Florence Westbrook - "Flo" claim.
- To the east (but not on Tyax): old Peerless prospect (MI 92J/NE076) on Golden Sidewalk claim group.
- 1937 - Peerless Gold Mines
- 1974-75 - Thunder Creek Mines
- Current - Warstar Res. Ltd. (no work).
- 1987 - Present - X-Calibre (X-Cal) Res.
- 1987 - Excavator trenching; option agreement with Canadian Tungsten Mining Corp.

GEOLOGY:

- Outcrop restricted to central and northern portions of property (southern portion covered by overburden).
- Eastern portion of property underlain by pillow lavas plus interbedded andesitic flows and tuffs (Pioneer Fmn.).
- Central portion of property underlain by north-south trending belt of ultramafic rocks associated with a major structure.
- The north western portion of the property consists of

ribbon chert and argillite (Ferguson Group).

#### STRUCTURE:

A major regional north-south trending structure crosses the property and is marked by associated ultramafics. The southern extension of this structure goes through the Congress property (especially Howard Zone) where reserves outlined to date include ~295,000 tons @ 0.33 oz. Au/ton (Howard Zone). The structures in the Bralorne camp are interpreted to be deep seated, as evidenced by the spatial association of ultramafics (à la Motherlode district, Calif.), with grades to depth.

#### MINERALIZATION:

**Target** - 'Congress-type' vein gold model (mesothermal). Deposits along shear structures in cherty sediments or chert-volcanic contacts within the Ferguson Group.

Recent (Sept. '87) work by X-Cal has disclosed mineralization and alteration at the margins of altered (+ albitite) ultramafics (à la Motherlode?) (see attached).

- Two altered knobs (serpentine). The easterly knob is referred to as the Elmer Zone. Sept. '87 excavator trenching by X-Cal on the north and south sides of the E-W trending knoll have produced the following quoted results:

- 20 ft. wide sheared zone av. .10 oz. Au/ton (Zone 2).
- Grab samples with associated pyrite up to 0.8 oz. Au/ton.
- 9.8 ft. averaging 0.4 oz. Au/ton, including a 1 metre section of 1.19 oz. Au/ton (Zone 3). Note: Zone 3 is exposed in trench no. 8 about 85 ft. east of Zone 2.

The higher grade Elmer Zone is located at the SW end of the altered knob and consists of a siliceous vein carrying pyrite (up to 10%), sphalerite, and chalcopyrite near the margin of altered ultramafics. The vein trends approximately 120 and dips approximately 60 W.

Along the northeastern side of the altered knoll Tr. 8 (Zone 'C') is the most recent discovery (see Press Release dated Sept. 21/87).

**Mineralogy** - Galena, pyrite, sphalerite, chalcopyrite and arsenopyrite in sheared and altered ultramafics with a mariposite-quartz-carbonate gangue (i.e. listwanite minus significant pyrite). Note: Conspicuous lack of stibnite (cf. Congress). Samples collected for assay.

#### GEOCHEMISTRY:

- Soil geochemistry does not work in the Goldbridge area due to cover of volcanic ash. Previous surveys by X-Cal were not successful.

#### GEOFYSICS:

- None done by X-Cal.  
- Used with success by other companies, especially VLF and mag.

DRILLING:

- Percussion in 1985.
- No diamond drilling to date.

TRENCHING:

- Several 'old' trenches not very successful.
- Recent excavator trenching by X-Cal successful (see attached Press Releases).

COMMENT:

- No gologist(s) on staff.
- No up-to-date geological map available.

POTENTIAL:

- Showings on the Tyax property and adjoining Peerless propsect to the east and the Congress property to the south attest to the geologic potential for this property. Futhermore, the Oct. 7, 1987 press release announcing the option agreement with Canada Tungsten Mining Corp. Ltd. lends significant credence to the potential. Diamond drilling is scheduled for later this fall.

LAND USE 'CONFLICT':

- Subdivided lots (by Lands) are situated along southern portion of Tyax property where there is no outcrop. Even though the important mineralizing structures may exist below the overburden it is unlikely an open pit type of operation would result.

REFERENCES:

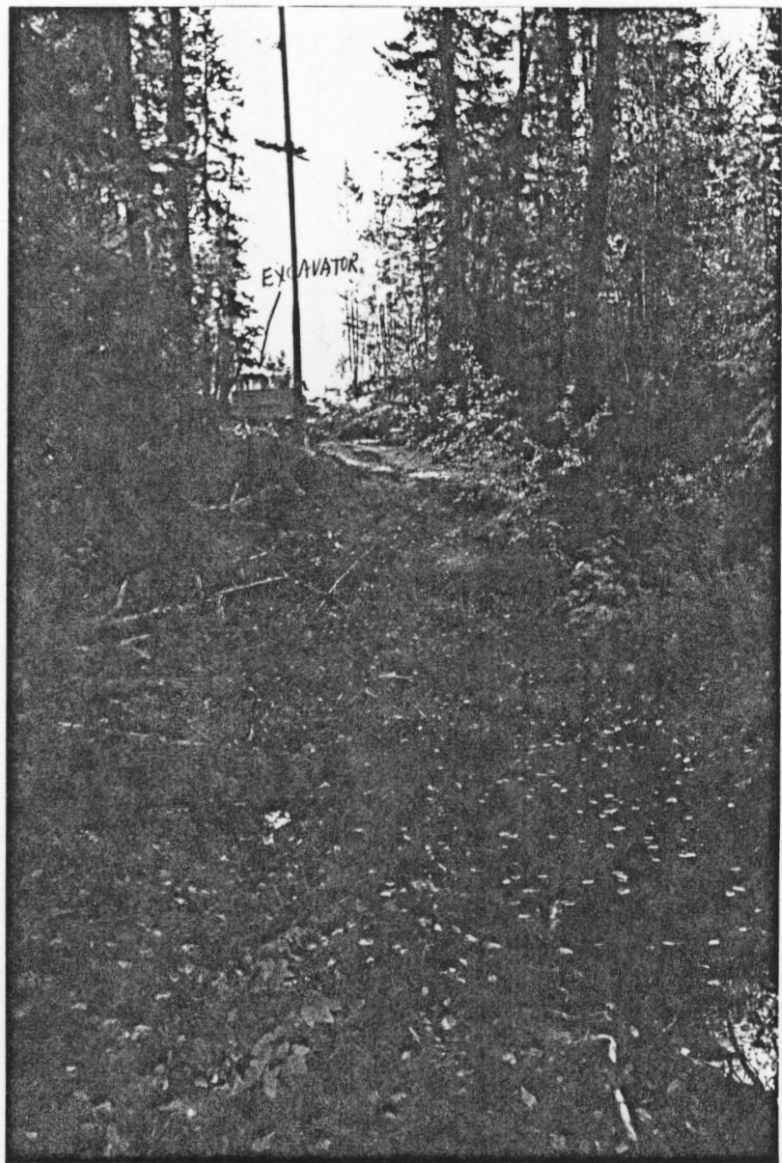
- 1) Assessment Rpt. 5325 - ZINC m.c. - Thunder Creek Mines (1974).
- 2) Assessment Rpt. 11,902 - TYAX m.c. - X-Calibre Res. Ltd. (1983).
- 3) X-Cal Res. Ltd. Press Releases - Aug. 17, 1987; Sept. 21, 1987; Oct. 7, 1987 (attached).
- 4) Church & MacLean (1987): Open File Map 1987-11.
- 5) GCNL - Oct. 1/87.
- 6) MEG TALK memo - CONGRESS, Feb. 18/86.

Respectfully submitted  
*Tom Schroeter*  
Tom Schroeter, P.Eng.  
Senior Regional Geologist

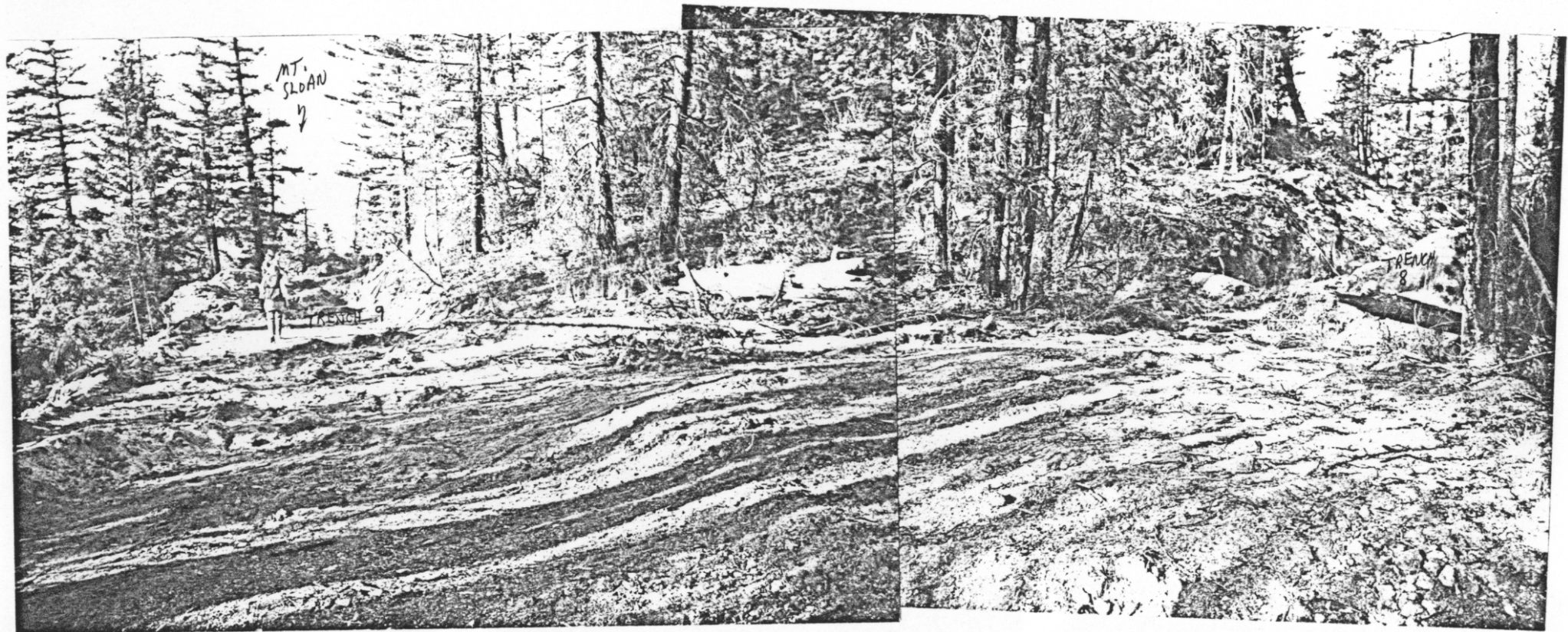
Attachments: Press Releases(3)  
Geological sketch  
X-Cal Res. Ltd. Annual Report 1987  
Photos



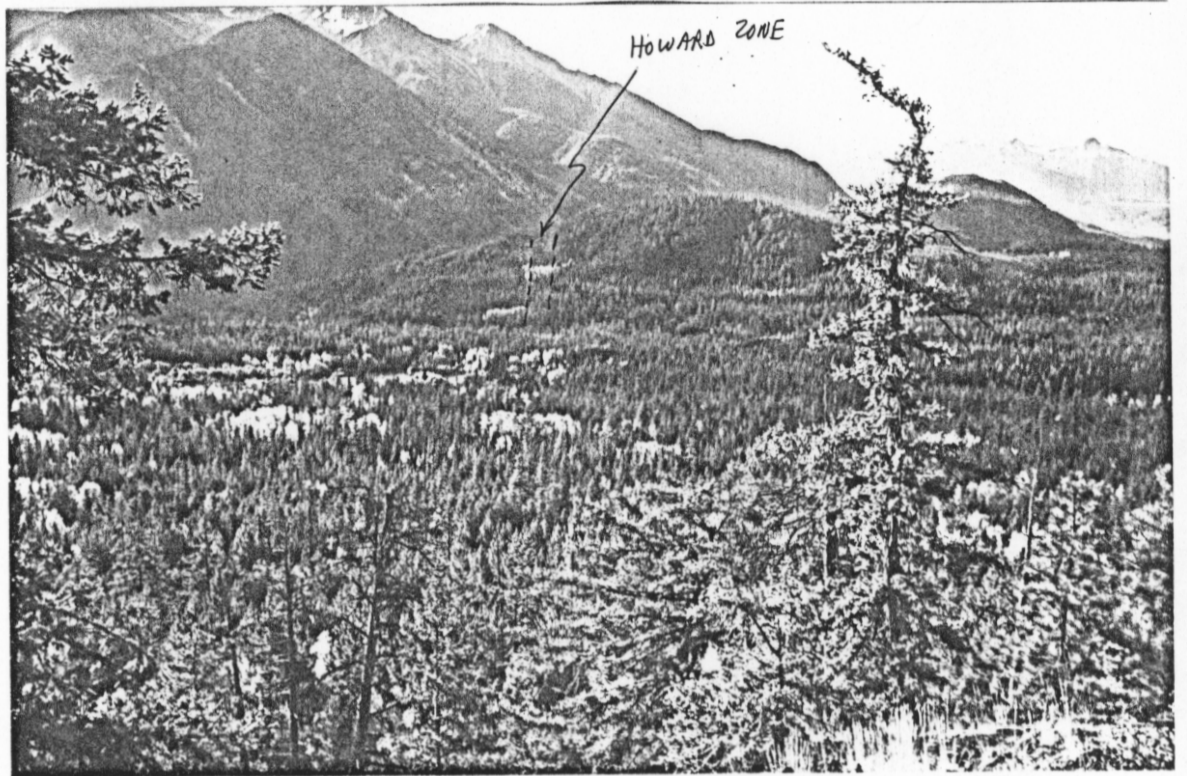
1. X-Cal Res. Ltd. office near Tyaughton Lake.



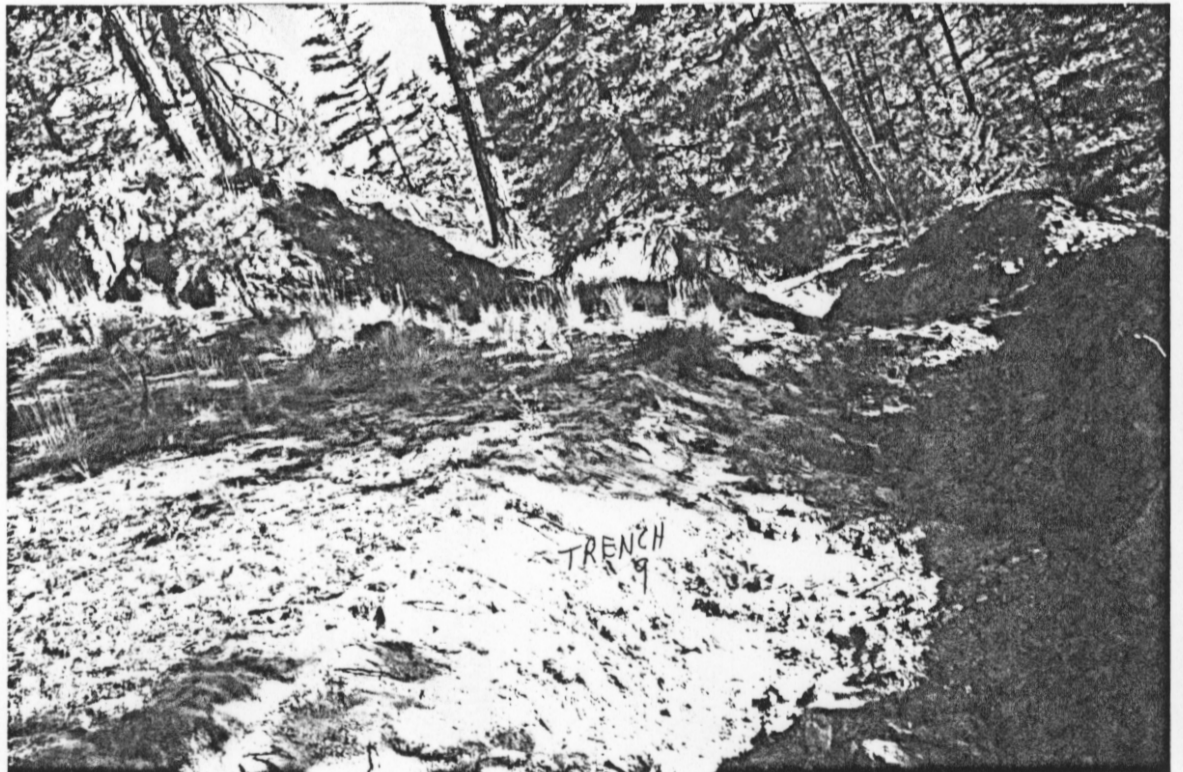
2. Excavator near Elmer Zone, TYAX.



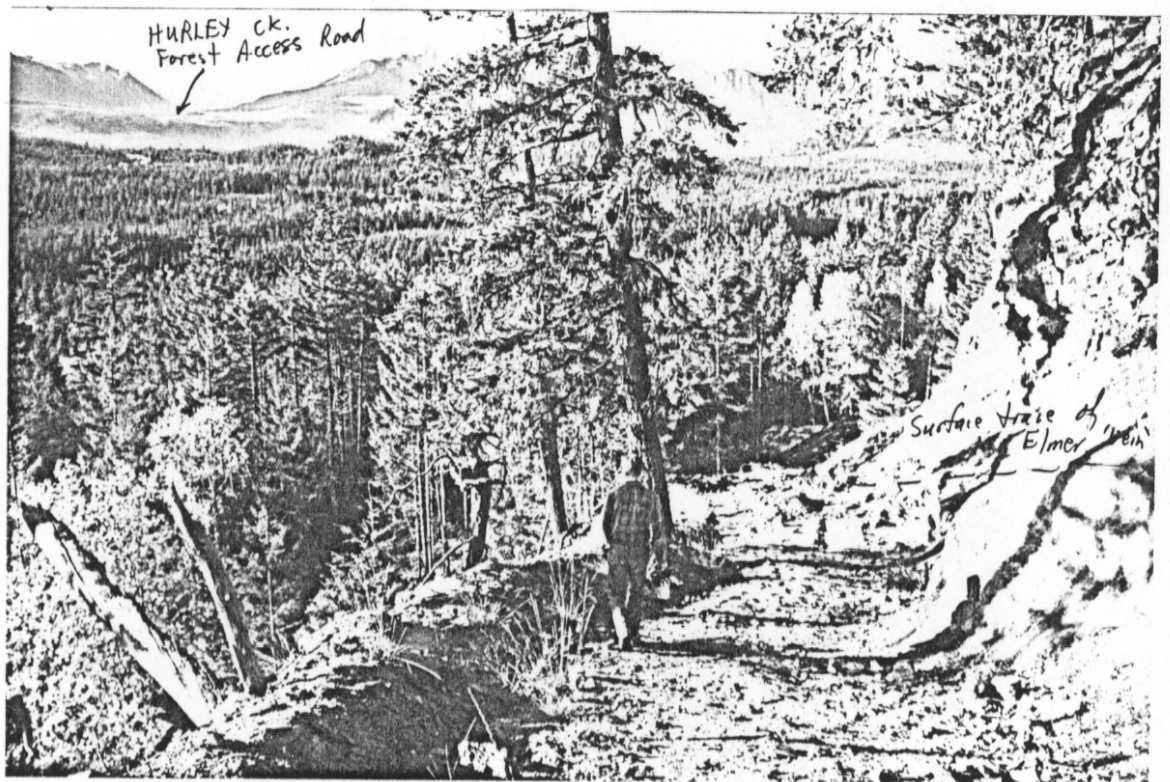
3. Looking SW over altered knob (Elmer Zone), TYAX. Note: Outcrop on knoll between new 1987 Trenches 8 & 9 is altered ultramafics. New 'C' Zone is 'hoped' to join between the two trenches.



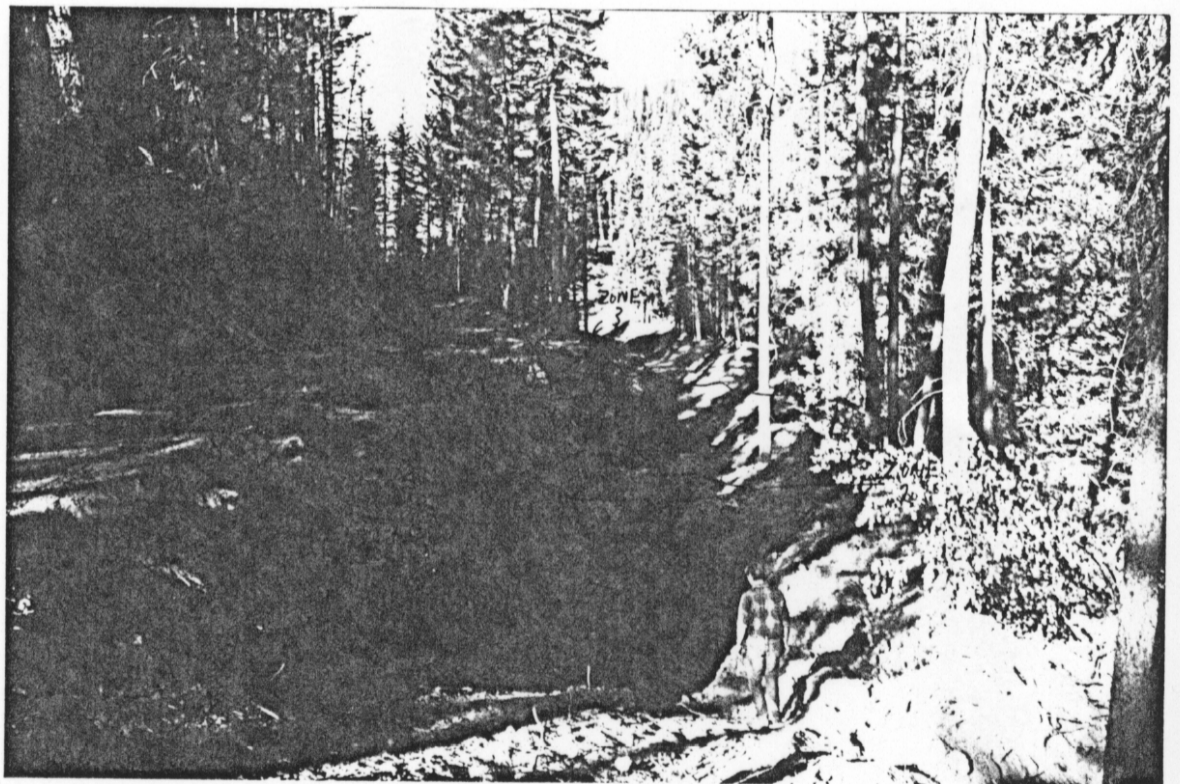
4. Looking ESE from Elmer Zone, TYAX towards Howard Zone, Congress.



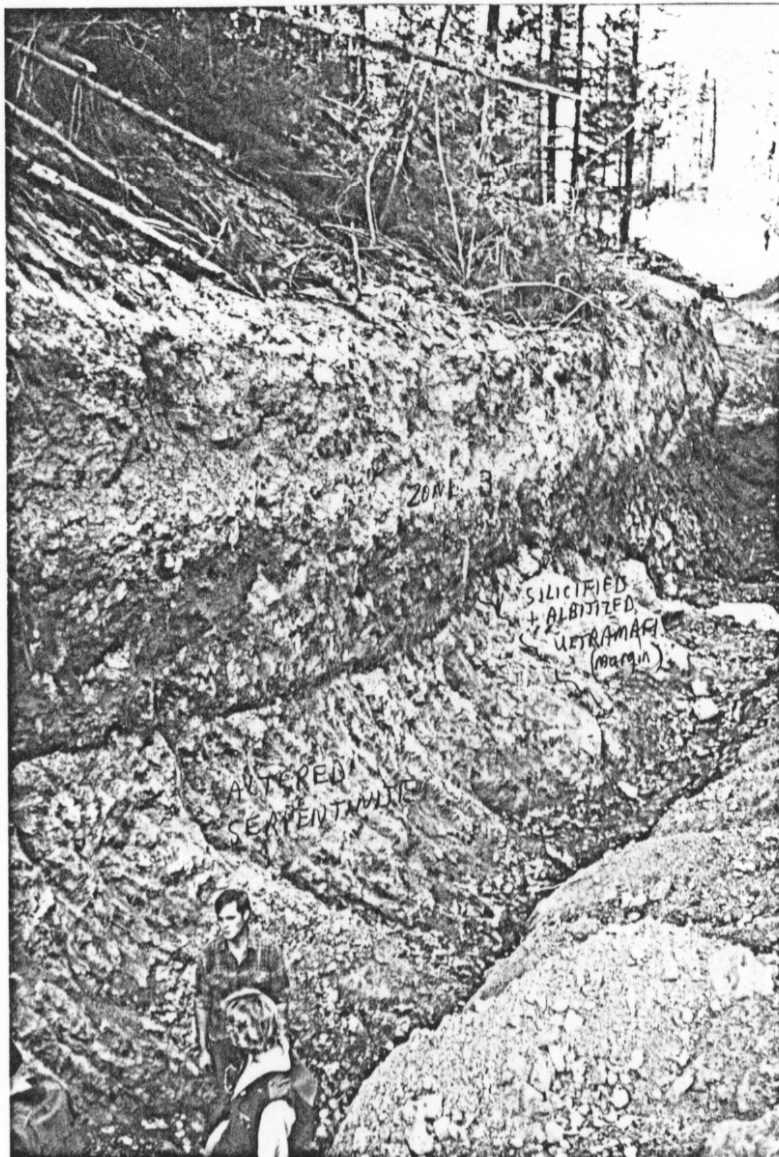
5. Looking N over Elmer Zone knob, TYAX. Outcrop is altered ultramafics.



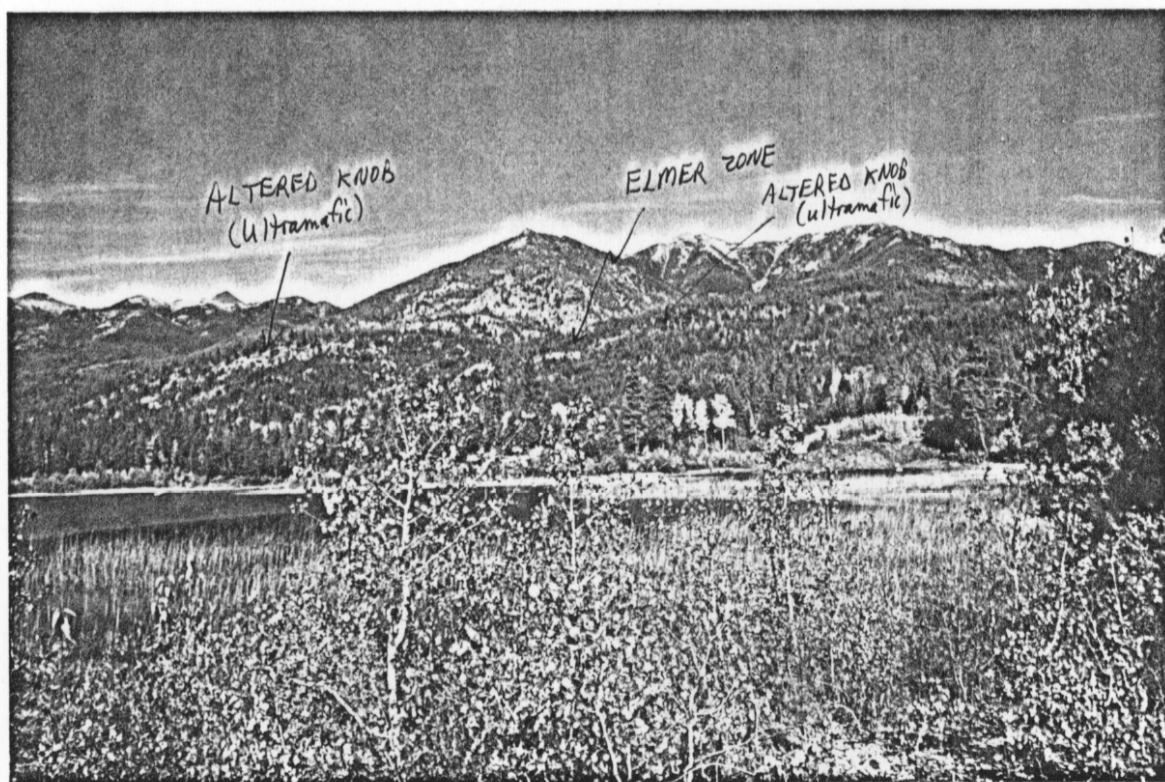
6. Looking SSw over Elmer Zone, TYAX .



7. Looking westerly along new 'C' Zone Trench #8, TYAX.



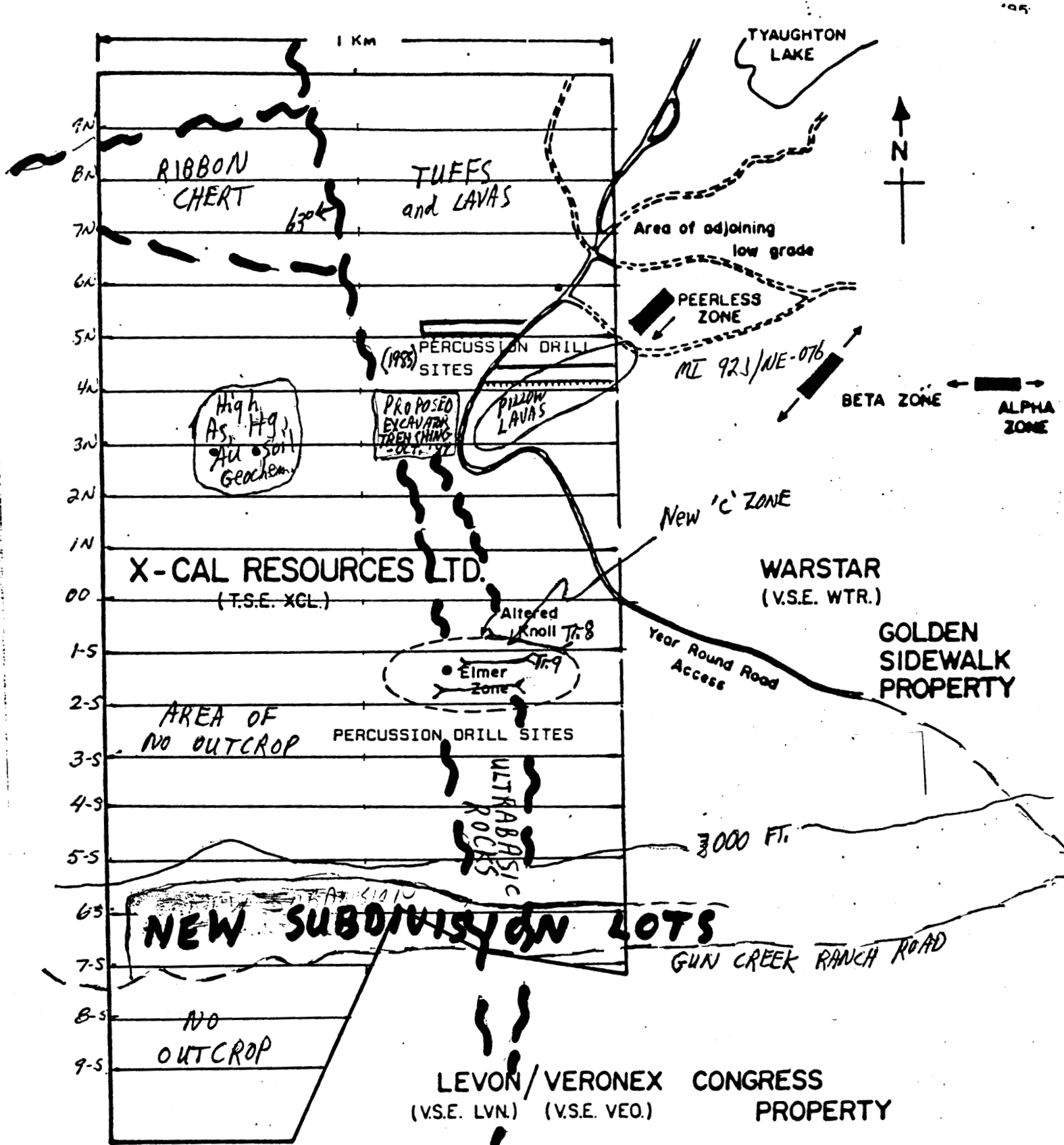
8. Looking westerly along new 'C' Zone, Tr. 8, Elmer Knob, TYAX. Note: Grab specimen assayed 0.8 oz. Au/ton at contact of altered serpentinite and silicified and albitized margin.



9. Looking NW over MOWSON Pond towards TYX property.



SKETCH INDICATES X-CAL'S ANOMALOUS AREAS OF TYAX CLAIM  
AND LOCATIONS OF PERCUSSION DRILLING PROGRAM.



**NOTE**

No Survey Has Been Completed,  
So Locations Must Be  
Considered Approximate

NTS - 92J/15W

GEOLOGIC SKETCH - TYAX PROPERTY  
- Tom Schroeter Oct. 9/87

# X-CAL RESOURCES LTD.

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X-CAL RESOURCES LTD. (XCL-"TSE)

PRESS RELEASE - FOR IMMEDIATE RELEASE - SEPTEMBER 21, 1987

MR. SHAWN KENNEDY, PRESIDENT OF X-CAL RESOURCES LTD., IS PLEASED TO ANNOUNCE THE DISCOVERY OF ANOTHER NEW GOLD BEARING ZONE ON THE TYAX PROPERTY, LOCATED IN THE BRIDGE RIVER/BRALORNE AREA OF BRITISH COLUMBIA.

SIX CONSECUTIVE SAMPLES AVERAGED .10 OZ. GOLD PER TON OVER A TRUE WIDTH OF 20 FEET. THE NEW ZONE IS EXPOSED IN A SURFACE TRENCH APPROXIMATELY 600 FEET TO THE EAST OF THE GOLD ZONE ANNOUNCED BY X-CAL ON AUGUST 17, 1987. THE NEW ZONE STRIKES NORTH/SOUTH, ROUGHLY PARALLEL TO THE DISCOVERY ANNOUNCED IN AUGUST.

THE COMPANY IS VERY ENCOURAGED BY THE EXPOSURE OF THE SECOND GOLD BEARING STRUCTURE AND IS CONTINUING WORK ON THE PROPERTY. THE EXPLORATION CREW IS CURRENTLY WORKING TO LOCATE STRIKE EXTENSIONS OF THE ZONES AS WELL AS ATTEMPTING TO DETERMINE IF OTHER PARALLEL ZONES EXIST AS THEY DO ON THE ADJOINING LEVON/VERONEX CONGRESS PROPERTY TO THE SOUTH OF TYAX.

DRILLING IS EXPECTED TO TAKE PLACE THIS FALL.

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For further information contact:

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(604) 238-2291

or

Mr. John Arnold  
Director  
X-Cal Resources Ltd.  
Toronto, Ontario  
(416) 364-0001

FOR IMMEDIATE RELEASE

X-Cal Resources Ltd. is pleased to announce the discovery of a new gold bearing zone on its Tyax property, located in the Bridge River/ Bralorne area of British Columbia.

Seventeen one metre(3.2ft.) surface samples returned gold values ranging from .01 oz. per ton to .127 oz. per ton gold, from a structure which has been exposed by trenching, near the centre of the Tyax claim. Geochemical anomalies to the north and south of the new zone appear to give a generally north/south or NE/SW trend to the structure as indicated in the current exposure. The strike of the goldbearing zone is open on both ends with the width to be determined by further trenching.

The discovery is considered to be significant, as recent announcements by Levon/Veronex from their Congress Property, which adjoins Tyax to the south, and by Menika Mining have indicated potential for economic gold mineralization along a trend which includes Tyax.

Previous work to the Tyax claim located pods of sulphides with values up to .7oz. per ton gold set in a large area of alteration which adjoins the new zone.

The company's consultant Christopher Sampson of Sampson Engineering Inc. has recommended further trenching along strike to be followed by drilling.

Shawn Kennedy

President

**X-CAL RESOURCES LTD.**

X-CAL RESOURCES LTD. (XCL-"TSE")

PRESS RELEASE - FOR IMMEDIATE RELEASE -OCTOBER 7, 1987

SHAWN KENNEDY, PRESIDENT OF X-CAL RESOURCES LTD., IS PLEASED TO ANNOUNCE THE SIGNING OF TWO LETTERS OF INTENT WITH CANADA TUNGSTEN MINING CORPORATION LIMITED, WHICH WILL FORM THE BASIS OF EXPLORATION AGREEMENTS COVERING TWO X-CAL PROPERTIES IN THE BRIDGE RIVER/BRALORNE AREA OF BRITISH COLUMBIA:

TYAX PROPERTY

CANADA TUNGSTEN CAN EARN A 50% INTEREST IN X-CAL'S TYAX PROPERTY, BY MAKING EXPENDITURES TOTALING \$1,000,000 OVER A 3 YEAR TIME PERIOD. CANADA TUNGSTEN WILL OPERATE, BUT X-CAL WILL PROVIDE A CREW TO EXPEDITE THE WORK.

ANDERSON LAKE PROPERTY

CANADA TUNGSTEN CAN EARN A 50% INTEREST IN THE SOUTH FORK SECTION OF THE ANDERSON LAKE PROJECT BY MAKING EXPENDITURES OF \$500,000 OVER A THREE YEAR TIME PERIOD. IT SHOULD BE NOTED THAT THE SOUTH FORK SECTION REPRESENTS APPROXIMATELY 6,000 ACRES OF THE 28,000 ACRE ANDERSON LAKE BLOCK.

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FOR FURTHER INFORMATION CONTACT:

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