

YOS → TSACHA  
(new)

888739

CONFIDENTIAL

Jan 29/06/94

YOS  
July 28/94

**EXPLORE B.C.  
APPLICATION FOR FUNDING  
TSACHA PROPERTY**

161.5 km - Oatza FSR  
(→ E ~ 6 km, logging rd ends).  
- follow trail E.

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SCHEDULE A - DETAIL OF "OTHER" COSTS

1.	<u>Transportation</u>	
a.	Helicopter charter (casual rate) ◦ 10 hours at \$700/hr, including fuel	\$7,000.00
2.	<u>Groceries</u>	
a.	50 man-days at \$20/man/day	\$1,000.00
3.	<u>Equipment rental</u>	
a.	Truck rental ◦ \$55/day x 15 days	\$825.00
b.	VLF rental ◦ \$58.33/day x 15 days	\$875.00
c.	Radio rental ◦ \$20/day x 15 days	\$300.00

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**TSACHA PROPERTY**

**TARGET:** Epithermal Au, Ag veins

**LOCATION:** 125 km southwest of Vanderhoof, B.C.

**NTS:** 93F/3E

**MINING DIVISION:** Omineca

**ACCESS:** Access is by helicopter from Vanderhoof. Road access is via the Kluskus-Ootsa Forest Service Road from Vanderhoof to 155 km, where branch roads come to within 2 km of the property.

**LEGAL:** The 16 unit Tsacha MGS mineral claim (400 ha) is 100% owned by Teck Corporation.

**STATUS of EXPLORATION:** The Tsacha property, staked in 1994, covers the Tommy epithermal Au, Ag showing discovered by the B.C. Geological Survey Branch in 1993. The BCGS reported several 2-3 g/t Au values from the veins with maximum values of 3740 ppb Au and 41.8 ppm Ag.

**REGIONAL GEOLOGY:** Recent government mapping indicates that the property occurs in a regionally uplifted area characterized by volcano-sedimentary rocks of the Middle Jurassic Hazelton Group. The Jurassic succession is intruded by quartz monzonite of the Late Cretaceous Capoose Batholith and overlain by volcanic rocks of the Eocene Ootsa Lake Group and younger basaltic flows.

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**PROPERTY GEOLOGY:**

Individual lithologies in the property area include rhyolite flows and tuffs, minor augite porphyritic basalt to andesite flows and a volcanoclastic sedimentary unit, all of the Hazelton Group. An augite porphyry plug, possibly cogenetic with the basalt-andesite unit, is exposed just south of the property. The above units are intruded by Tertiary felsite dykes and sills.

The property is entirely underlain by rhyolite flows and lesser ash tuffs of the Middle Jurassic Hazelton Group, intruded by dykes and sills of Tertiary felsite.

The Tommy showing consists of three quartz vein and stringer stockwork occurrences hosted by the rhyolite unit. The main vein occurrence trends northeast, dips vertically and can be traced for 50m, with discontinuous quartz exposures over 500m (Diakow and Webster, 1994).

**PROPOSED PROGRAM:**

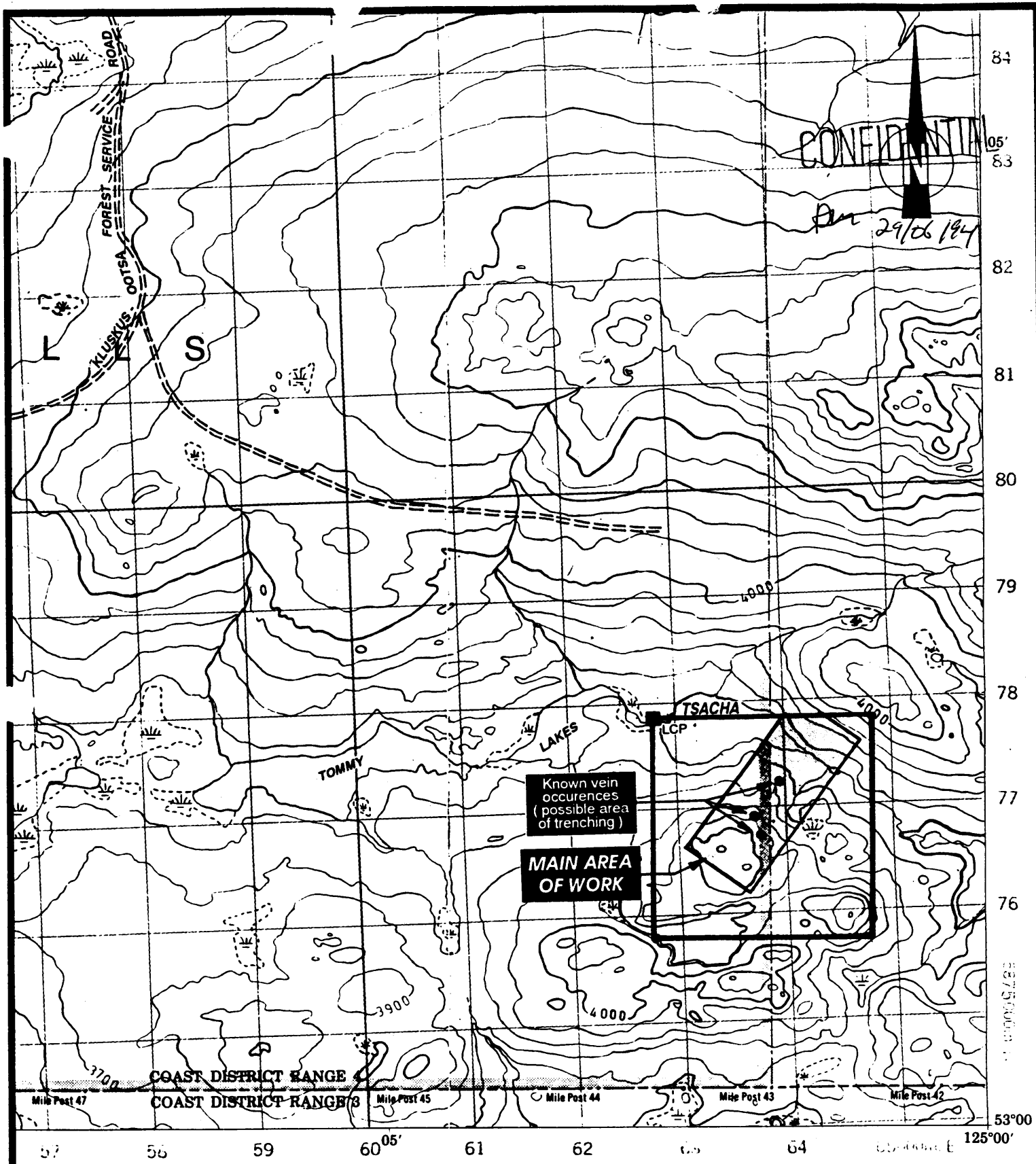
The 1994 program will include 1:5,000 property scale geological mapping and detailed prospecting. Detailed mapping, soil and VLF surveys will be conducted over a grid that will be established over the vein occurrences. Enzyme leach techniques may be utilized in areas of thick till cover. Individual vein exposures and extensions will be trenched by hand/blast methods to facilitate mapping and sampling. It is anticipated that the program will delineate drill targets along the vein system.

The program is scheduled to commence May 15, 1994 and should be completed by May 31, 1994. The project will be financed from funds allocated by Teck Corporation to its 1994 B.C. Regional Program. Additional funding through the Explore B.C. program will permit Teck to implement the Tsacha property program without limiting other regional exploration programs planned within B.C.

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**REFERENCES:**

- Diakow, L.J., Green, K., Whittles, J. and Perry, A. (1993): Geology of the Nataalkuz Lake Area, Central British Columbia (NTS 93F/6); B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1993-14.
- Diakow, L.J. and Webster, I.C.L. (1994): Geology of the Fawnie Creek Map Area (NTS 93F/3); in Geological Fieldwork 1993, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1994-1, pages 15-26.
- Diakow, L.J., Webster, I.C.L., Levson, V.M., Giles, T.R. (1994), Bedrock and Surficial Geology of the Fawnie Creek Map Area (NTS 93F/3); B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1994-2.
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- Green, K.C. and Diakow, L.J. (1993): The Fawnie Range Project-Geology of the Nataalkuz Lake Map Area (93F/6); in Geological Fieldwork 1992, Grant, B. and Newell, J.M., Editors, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1993-1, pages 57-67.
- Matysek, P.F. and van der Heyden, P. (1994): 1993-94 Update: Interior Plateau Program; B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1994-1, pages 9-14.
- Schroeter, T.G. and Lane, R.A. (1994): Mineral Resources (93F/3 and parts of 93F/2,6 and 7); in Geological Fieldwork 1993, Grant, B. and Newell, J.M., Editors, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1994-1, page 45-55.
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- van der Heyden, P., Shives, R., Ballantyne, B., Harris, D., Dunn, C., Teskey, D., Plouffe, A. and Hickson, C. (1993): Overview and Preliminary Results for the Interior Plateau Program, Canada-British Columbia Agreement on Mineral Development 1991-1995; in Current Research, Part E; Geological Survey of Canada, Paper 93-1E, pages 73-79.



**TECK EXPLORATION LTD.**

TSACHA PROPERTY  
NTS No: 93F/3

**AREA of INTEREST**

0 1 2 km