

ZULU EXPLORATIONS LTD(NPL)

LAD ONE GROUP

95H/13W

Z4 DRILL HOLE.

Lad

4953

ZULU EXPLORATIONS LTD (NPL)

DRILLING Z4 DRILL HOLE

The drill used was a Longyear no. 38.

Wire line drill size BQ with 1 7/16" core.

LOCATION

Bowron River Area, 50 miles SE of Prince George, Cariboo Mining Division.

On LAD 9 Mineral Claim

On the Lot adjoining and south of LOT 4844, formerly coal license 960.

Approximately 3,600 feet south of the Bowron River and 200 feet west of Tsus Creek.

AZIMUTH - 1° quadrilateral 53° 121° NW

Reference map - 93 H/13 W

ELEVATION - approximately 2460

INCLINATION - 90°

DEPTH OF HOLE - 431 feet

Because of the unusually deep overburden, containing thick beds of silt, soft clay, bentonite and boulders, the drill hole was costly and time consuming. Bit costs were high and a new sub-adapter and 200 feet of new BW casing had to be purchased.

The numerous large boulders, not only ruined the Tricone bits, but wasted considerable time. When the Tricone bit at the bottom end of the casing had penetrated a large boulder, the casing had to be lifted from the hole in order that the Tricone bit could be replaced with a casing shoe. After putting the casing back down the drill hole into the boulder, the drill rods with a diamond bit was used to drill through the boulder. Then after pulling out the drill rods, the casing had to be lifted out and the casing shoe replaced with a Tricone bit. The casing was then put down again to complete the hole through the boulder.

The casing was drilled into the solid strata-soft shales and sandstone-at a depth of 350 feet.

On several occasions the drilling mud failed to hold the hole through the soft shales and conglomerates, and eventually the casing reached a depth of 399 feet.

From 355 feet to 392 feet the strata consisted of soft shale, conglomerate and sandstone bands of from 2" to 6" in thickness. The shale bands contained numerous coal stringers. Also the sludge from the circulating water indicated some of the coal bands were at least 6" thick. The conglomerate seams were easily broken and it was difficult to recover any core more than 3 inches in length. This forced the driller to pull up the core tube dozens of times after having only drilled not more than one foot.

Because of the soft conglomerates and shale bands from 396 to 431 feet the driller thought it was too risky to attempt pushing the casing down 32 feet to 431 feet.

END OF HOLE

ALFRED J. GARRAWAY  
PROJECT MANAGER

Qualified under the Coal Act  
to act as Manager of any Mine  
to which the Act applies.

No. A 209

MAY 6, 1954

Mine Manager of Northern Coal Mines Ltd  
from 1962 to 1971

*Alfred J. Garraway*

ZULU EXPLORATIONS LTD (NPL)

DIAMOND DRILLING COSTS

August 9, 1973 - September 15, 1973 - 5 weeks

3 Men - 5 weeks each

A. Kary, J. Grzyb, and A. J. Garraway

SALARIES

Salary each per month - \$1,500.00 gross

3 men at 5 weeks each - \$5,625.00

allowance for cooking 625.00 .....\$ 6,250.00

MAINTENANCE OF CAMP

Food and Supplies - \$ 600.00

propane and Diesel Fuel \$ 110.00 .....\$ 710.00

TRANSPORTATION

International 4 x 4 truck  
from camp to drill site

and return - 12 miles - \$ 25.00 .....\$ 25.00

DIAMOND DRILL

Rental - \$2,625.00 per month

5 weeks at \$656.25 per month - \$3,181.25

Drilling Mud - 232.75

1 BQ Diamond Bit - 431.97

3 BW Casing Shoes - 771.75

5 Tricone Bits - 350.00

Gas & diesel Fuel - 200.00 .....\$ 5,167.72

\_\_\_\_\_  
\$12,152.72  
\_\_\_\_\_

*A. J. Garraway*

ZULU EXPLORATIONS LTD (NPL)

Diamond Drill Logs

for

Z4 Drill Hole

Driller's Report

Z4

- 0 - 350 Overburden
- 350 - 355 Fine grained sandstone - brown
- 355 - 368 Interbedded soft grey and dark shales with stringers of coal
- 368 - 386 Soft shale, conglomerate and sandstone seams 2" to 6" thick. Coal bands up to 6" thick
- 386 - 392 Soft conglomerate with sandstone bands
- 392 - 394 Fine sand
- 394 - 396 Sandstone - dark
- 396 - 409 Soft conglomerate and shales
- 409 - 419 Dark shales and conglomerate bands
- 419 - 431 Soft conglomerate with shale bands

149 - 149 away



DEPARTMENT OF MINES AND PETROLEUM RESOURCES

FORM B (Section 51) MINERAL ACT

Affidavit on Application to Record Work

1. I, Alfred J. Garraway ... Agent for Zulu Explorations Ltd. (NPL) ... 725 Suffolk Street ... Eighth Floor, Bentall Bldg. ... Victoria, B. C. ... 1070 Douglas Street, Victoria, B. C. ... Free Miner's Certificate No. 130152 ... Free Miner's Certificate No. 130151 ... Date issued January 17th, 1974 ... Date issued January 17th, 1974

MAKE OATH AND SAY:

2. I have done, or caused to be done, work on the LAD ONE GROUP NO. 2383, LAD 1-22 & LAD 27-44 Mineral Claim(s) Record No.(s) 66516 - 37 & 66542 - 59 Situate at Bowron River Area in the Cariboo Mining Division to the value of at least ... dollars. Work was done from the 24th day of April 19 73, to the 24th day of April 19 74

3. The following is a detailed statement of such work done in the 12 months in which such work is required to be done.

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, BELOW)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by regulations)

COST

Table with multiple rows for recording work details and costs. Includes a 'TOTAL' row at the bottom.

I wish to apply \$ ... of this work to the claims listed below. (State number of years to be applied to each claim and its month of record)

Handwritten number 4953 and other markings in a box.

**B. DRILLING**

(Details as per report submitted)

COST
\$12,152.72

I wish to apply \$ 8,000.00 of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

One Year for LAD 1-22 April

One Year for LAD 27-44 April

**C. PROSPECTING**

(Details as per report submitted)

COST

I wish to apply \$ \_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

**D. GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL (Includes line cutting)**  
 (State type of work)

COST

TOTAL

I wish to apply \$ \_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

NOTE—Dollar value of work done under A, B, C, or D sections, totalling \$200, may be applied as one year's work.

Who paid for the above-described work?

Name Zulu Explorations Ltd. (NPL)

Address Eighth Floor, Bentall Building

1070 Douglas St., Victoria, B. C.

If you intend to claim a refund of cash in lieu under the provisions of the *Mineral Act*, you must make application on this affidavit under A, B, C, or D sections as applicable.

4. That I have not and will not use the work declared herein in any way for the purposes of obtaining tax exemption on a Crown-granted mineral claim under the terms of the *Taxation Act*.

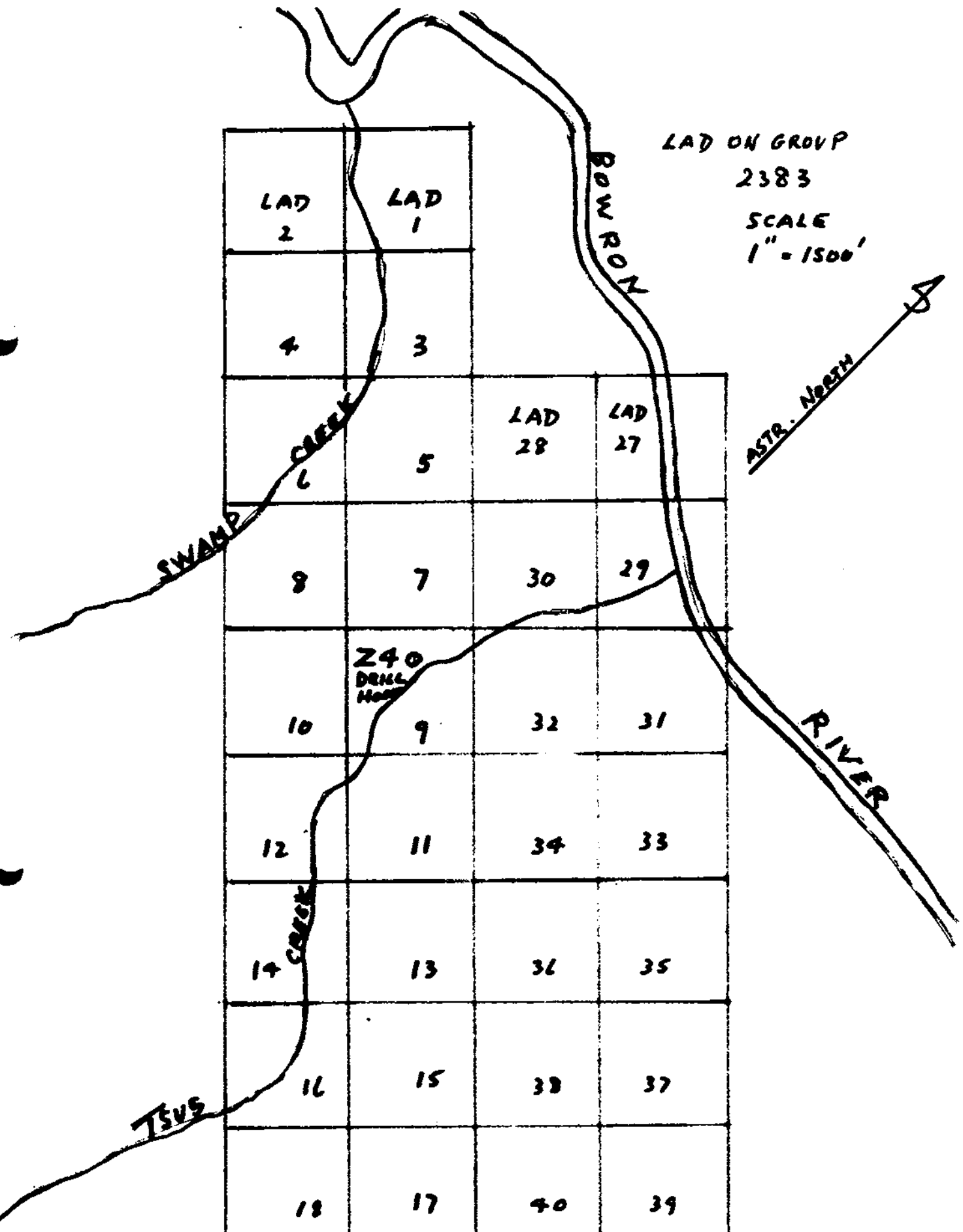
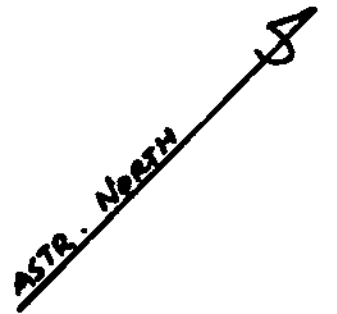
SWORN and subscribed to at \_\_\_\_\_  
 this \_\_\_\_\_ day of \_\_\_\_\_  
 19 \_\_\_\_\_, before me—  
 \* \_\_\_\_\_

\* This affidavit may be taken by a person empowered to take affidavits by the *Evidence Act* of British Columbia.

LAD 2	LAD 1		
4	3		
6	5	LAD 28	LAD 27
8	7	30	29
10	9	32	31
12	11	34	33
14	13	36	35
16	15	38	37
18	17	40	39
20	19	42	41
22	21	44	43

LAD ON GROUP  
2383

SCALE  
1" = 1500'



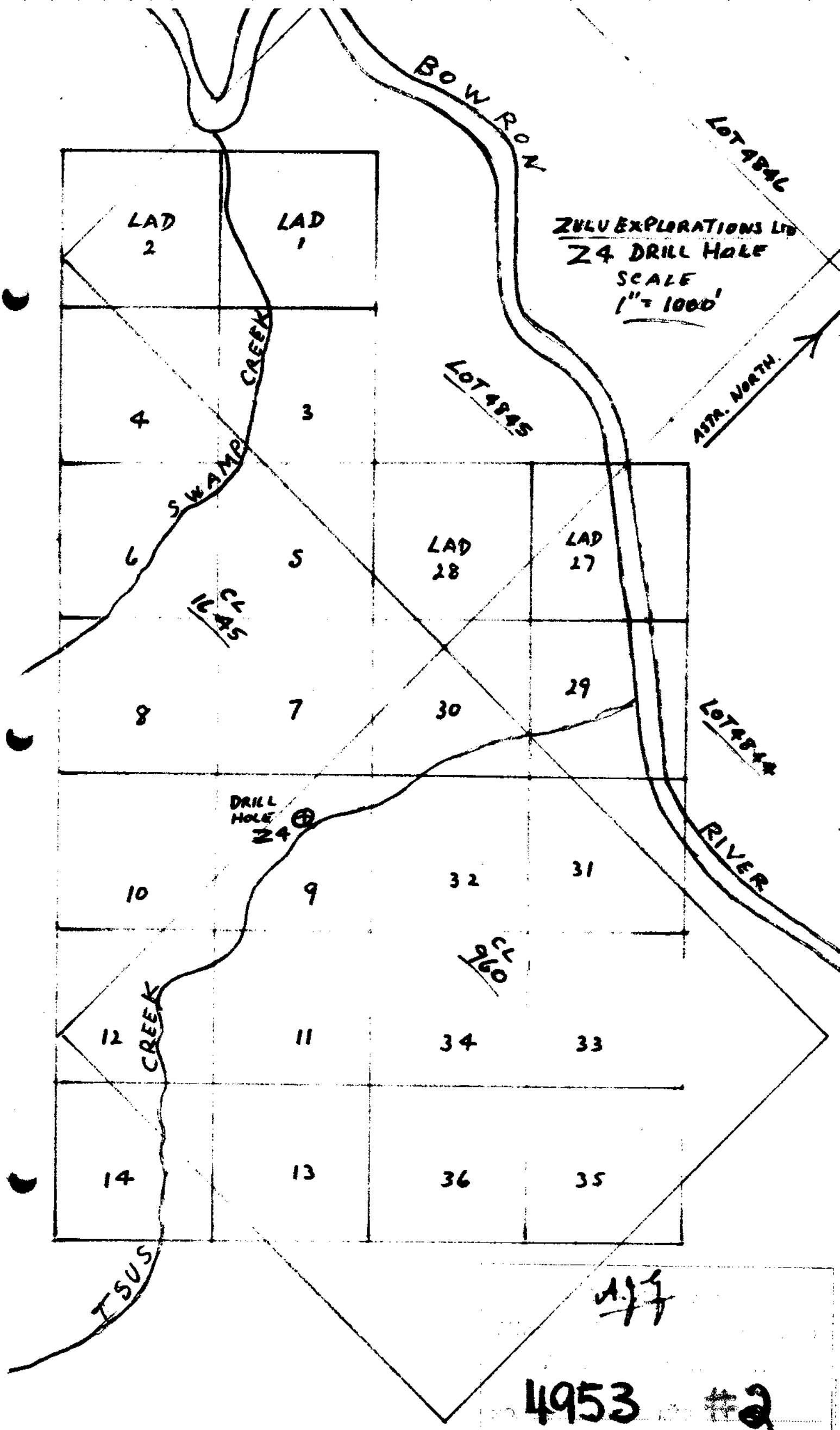
ZULU EXPLORATIONS LTD (NPL)

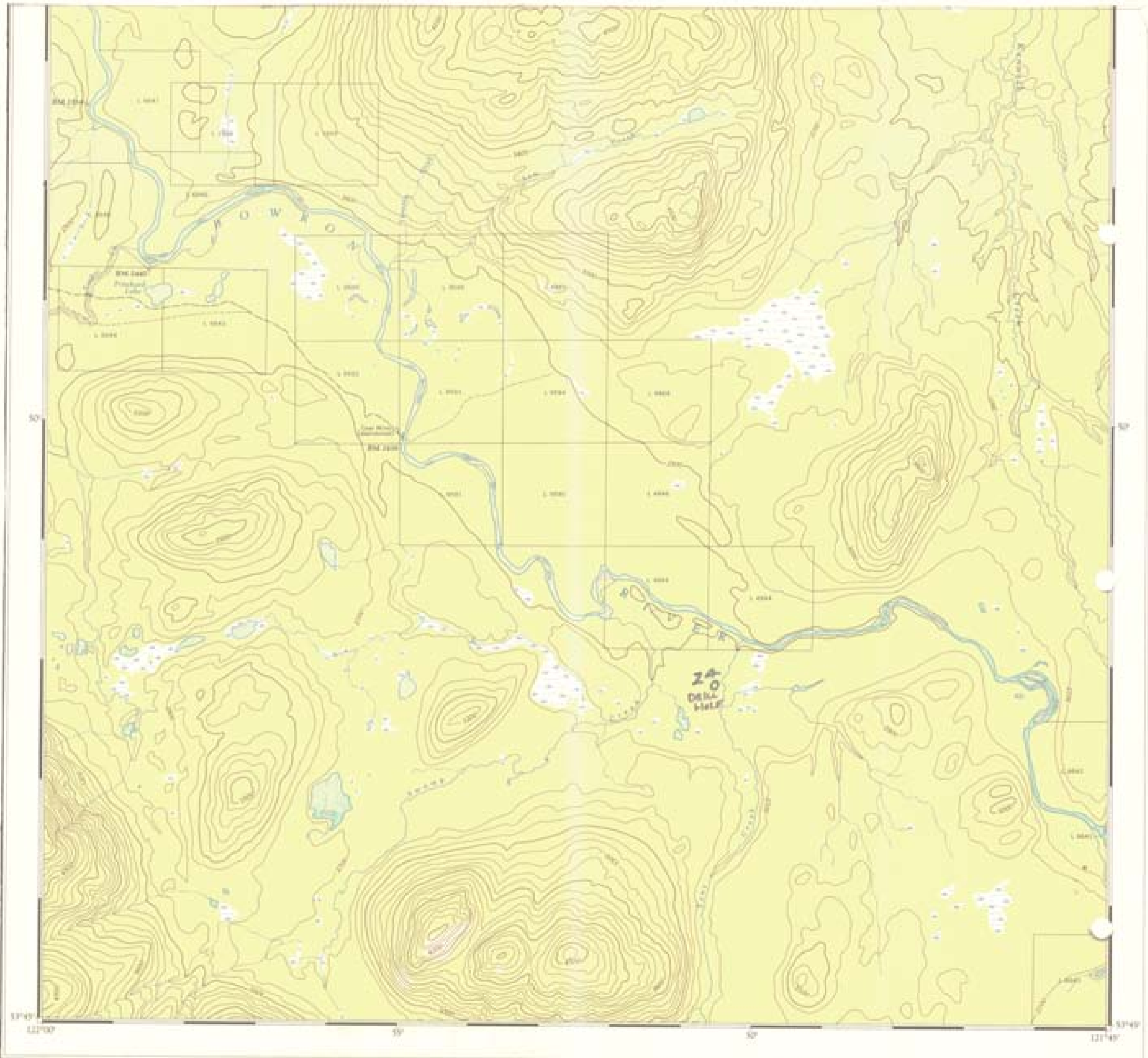
*AGG*

4953

#1







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**HUTTON**  
CARIBOO DISTRICT  
BRITISH COLUMBIA

4953 M3

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