

A REPORT ON A WORK PROGRAM

on

MACK 1-8, 11, 13, 15, 17, 18, 20, 22, 24, 34

and

MACK 1 Fr, 2 Fr

MACK 7 Fr, 8 Fr  
MINERAL CLAIMS

SNOW PEAK AREA, LIARD M. D., B. C.

58° 30' N. Lat.

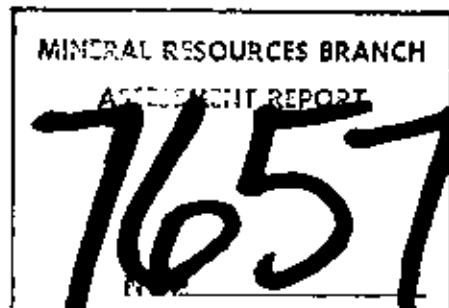
130° 20' W. Long.

Field work carried out July 21 -27, 1979

Owners: TORMEX RESOURCES, LTD.  
1511 - 745 5th Ave. SW  
CALGARY, Alberta

By

Fred Kern, Jr.,  
Geologist,  
Director



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45  
LOCATION MAP

N. T. S. 104J/8 W

-1-

130° 15' W. Long

MT. 6051 McLEOD

58° 30' N. Lat

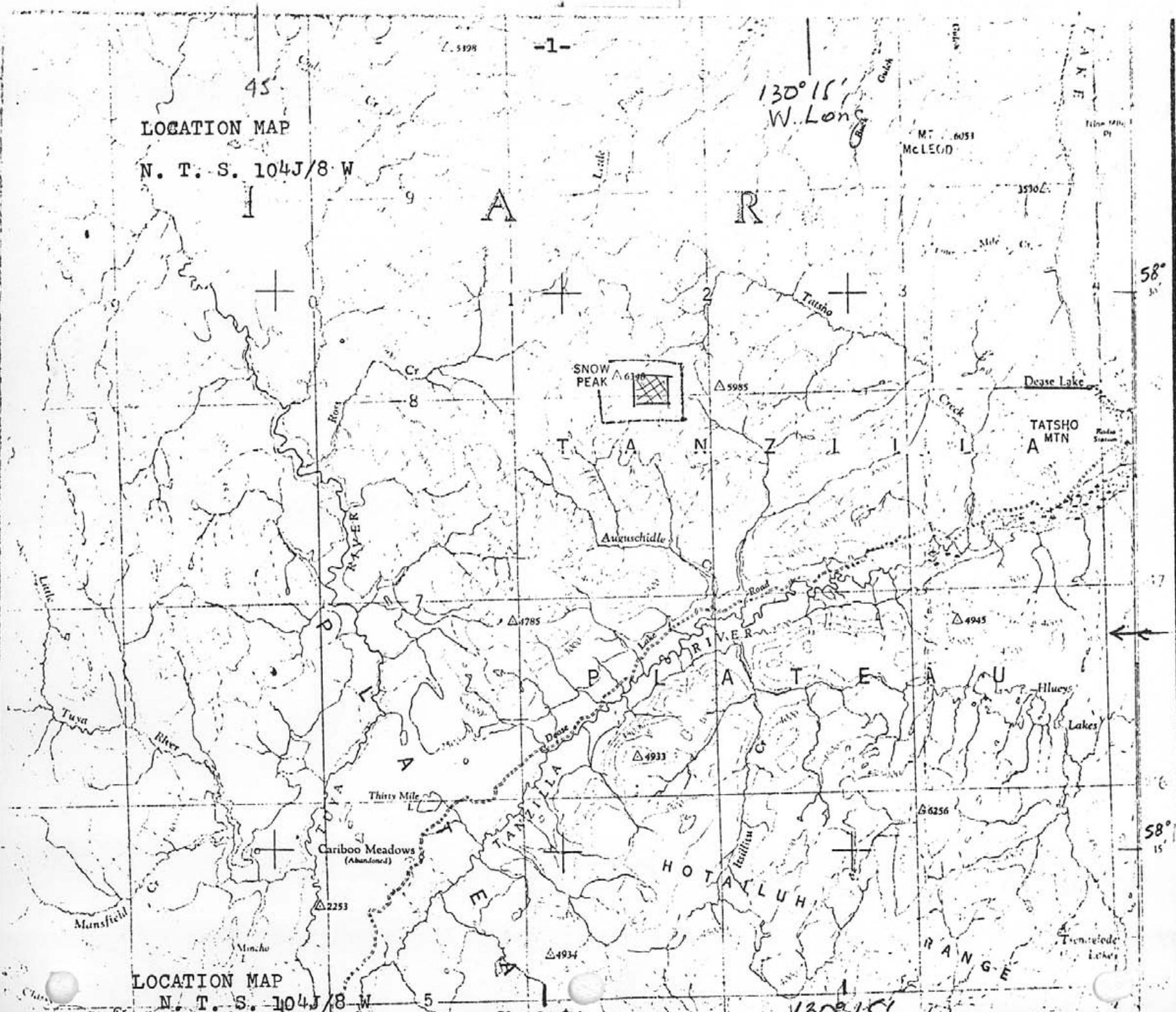
← 130° W. Long

58° 15' N. Lat

130° 15' W. Long

LOCATION MAP

N. T. S. 104J/8 W



## INTRODUCTION

The Mack mineral claims are located on the South-east slope of Snow Peak, some 18 air-miles west from the village of Dease Lake, Liard Mining District of B. C. Access to the property is by helicopter, to the 5,600 level. The claims lie in alpine meadow to low scrub vegetation and visibility and local access are generally fair to good. Some rapid changes in elevation and long screens pose difficulties for ground travel and geological observations. The claim block lies at  $58^{\circ} 30'$  N. Lat.,  $130^{\circ} 20'$  W. Long., on N. T. S. map number 104J/8.

## HISTORY

Ground in this area was staked in 1966 and the claims lapsed. Tournagin Mining, Ltd., in 1969, staked the Mack claims and carried out geological and geochemical surveys 1970 and 1971. In 1972 the claims were transferred to Tormex Resources, Ltd., present owners. Additional soil sampling, vertical field magnetometer and IP surveys have been carried out. Some road work and trenching have also been done on the properties, in attempts to evaluate the Gold, Molybdenum and Tungsten shows that have been discovered.

Claims and ownership

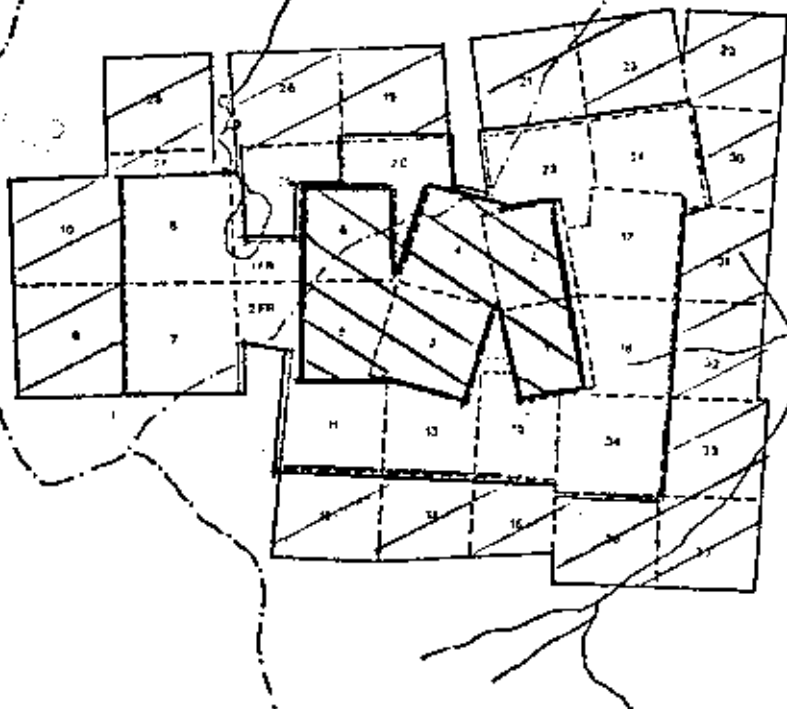
The Mack Group originally consisted of 40 contiguous mineral claims owned by Tormex Resources, Ltd., of Calgary, Alberta. As of this writing, the property consists of the following mineral claims, located in the Liard Mining Division of the Province of British Columbia and are shown on the B. C. Department of Mines Claim Sheet 73M-3.

<u>Name</u>	<u>Record No.</u>	<u>No. of Claims</u>	<u>Due Date</u>
Mack (1-6)	39272-39277K	6	Aug. 1 <sup>st</sup> 1981
" (7,8)	39278, 9	2	28/7/80
" 7 Fr	67215	1	"
" 8 Fr	67216	1	"
" 11	39282	1	"
" 13	39284	1	"
" 15	39286	1	"
" 17,18	39288, 9	2	"
" 20	39291	1	"
" 22	39293	1	"
" 24	39295	1	"
" 34	65050	1	"
" 1 Fr	65059	1	"
" 2 Fr	65060	1	"

The property consists of 17 contiguous full-sized mineral claims and four legal fractional mineral claims.

Snow Pk

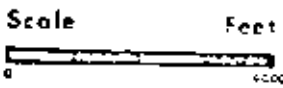
RIDGE



Expired

Expire  
28/7/80

Expire  
13/8/81



Claim Map of the MACK Group, Dease Lake Area  
Liard Mining Division (NTS Sheet 104-J-8W).

(after Sadler-Brown)

The writer, accompanied by two men and a youthful camp-boy/helper, spent seven days on the work program herein described. Two days were spent driving the 330 miles from and to the property from New Hazelton B. C., and five days on the property. A helicopter was utilized to reach the claims from Dease Lake, B. C., a flight of approximately 18 air-miles to the West and ascent to the 5,600' level on the slope of Snow Peak. Observation of the terrain enroute indicated that the building of a road, should the property prove commercial, would not be particularly difficult nor expensive.

#### THE WORK PROGRAM

The work program consisted of locating the grid lines and becoming geographically oriented, the location of claim posts and the trench made previously and becoming familiar with the property. Geological orientation and sample taking, followed by the extension of the pre-existing trench and the digging of two pits in the heart of the IP anomaly completed the work program. Only hand tools were used in the digging operations. Nine samples were bagged and sent to General Testing Labs., 1001 E. Pender, Vancouver, B. C. for assay for gold, molybdenum, and tungsten. These assays are included herein.

### OBSERVATIONS

Visual examination of numerous exposures corroborated Sadlier-Brown's statement that the "sulfide mineralization is fracture controlled". No evidence was found by the present writer of dissemination of any of the metallics found lining joints and fracture planes of the granodiorite intrusive. Some very well mineralized fractures were observed at several locations, and in float boulders.

Two modes of mineralization were noted. The most common, although not abundant, was a very fine grained Molybdenite of approximately 1mm thickness which locally covered some 80% of the fracture surfaces. Traces of equally fine grained  $\text{FeS}_2$  accompanied the  $\text{MoS}_2$ .

A second mode of deposition produced  $\text{MoS}_2$  crystals of some 3mm to 5mm in longest dimension, with a higher concentration of  $\text{FeS}_2$ , also in larger crystals. It is suspected that Gold values will be higher in association with the higher concentration of iron sulfides, as would the Tungsten, probably as Wolframite  $(\text{FeMn})\text{WO}_4$ , or Ferberite,  $\text{FeWO}_4$ .

Samples with no visible mineralization were assayed (630P & 636P), and the metals were assayed extremely low. This confirms this confirms the thought there are practically no metallics carried in the intrusive



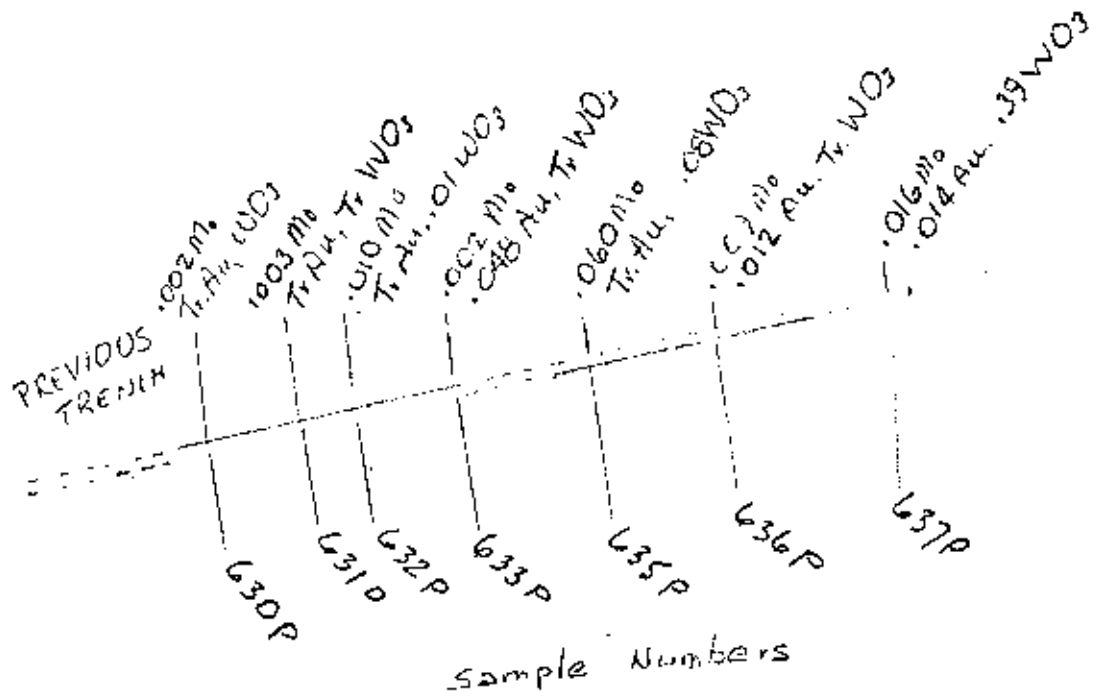
(granodiorite) at the surface.

No tungstates were observed, but sample #637, the last sample taken from the trench extension, carried particularly well developed  $\text{FeS}_2$  crystals (as did #638, Pit #1 sample) and carried a very promising tungsten value.

#### CONCLUSIONS

The data acquired from this work program corroborates the existence of a sizeable gold, molybdenum, tungsten zone underlying the Mack mineral claims. Surface values are not commercial; the potential value of the property is underground where the source of the locally rich fracture filling at the surface may be encountered in commercial concentrations at mineable depths.

This calls for a diamond drilling program such as that recommended by Sadlier-Brown in his report on this property, dated June 23, 1977. It is herein suggested that, should no promising mineralization be encountered that the holes should be terminated at 200' rather than 400', and that a minimum of three holes be drilled, using the targets as given, viz., #1 at 42+50E, 11S; #2 at 36+100E, 8S; and #3 at 28E, 8+80S

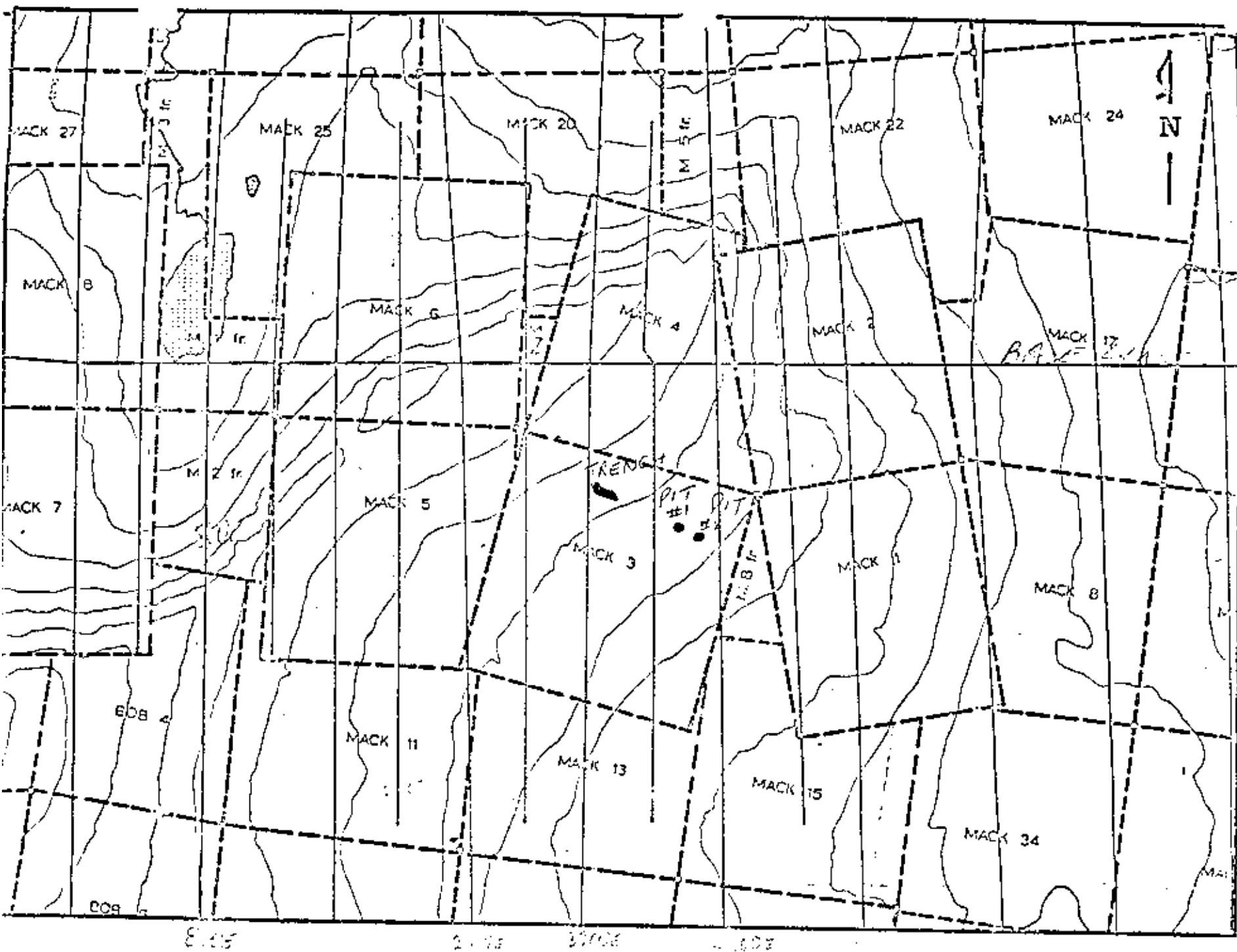


### TRENCH EXTENSION

Scale: 1" = 6'

22' x 4' x 3'

7m x 1.2m x .9m



Location map  
(After Sadler-Brown)

● TRENCH ● pits

# GENERAL TESTING LABORATORIES

DIVISION SUPERINTENDENCE COMPANY (CANADA) LTD

1001 EAST PENDER ST VANCOUVER B.C., CANADA V6A 1W2  
 PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

TO:  
**MR. F. KERN**  
 Box 172  
 New Hazelton, B.C.

## CERTIFICATE OF ASSAY

No.: 7907-3053      DATE: Aug. 8/79

We hereby certify that the following are the results of assays on:      **Ore**

MARKED	GOLD	<del>XXXXX</del>	Molybdenum	Tungsten	<del>XXX</del>	<del>XXX</del>	<del>XXX</del>	<del>XXX</del>
	oz/at		Mo (%)	WO <sub>3</sub> (%)				
630 P	trace	..	0.002	trace				
631 P	trace		0.003	trace				
632 P	trace		0.010	0.01				
633 P	0.048		0.002	trace				
635 P	trace		0.060	0.08				
636 P	0.012		0.009	trace				
637	0.014		0.016	0.39				
638 Pit # 1	0.022		0.13	0.09				
639 Pit # 2	0.016		0.002	trace				

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS ON REQUEST  
 PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

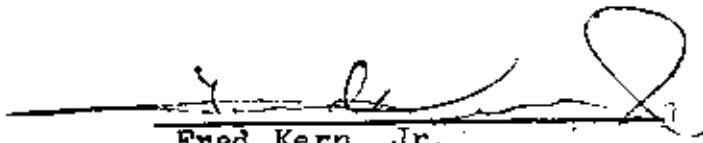
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L. Wong 

PROVINCIAL ASSAYER

CERTIFICATE

1. This is to certify that I, Fred Kern, Jr., reside at New Hazelton, B. C.
2. I am a consulting geologist and hold the B. Sc., (Geology) from the University of Illinois, 1948.
3. I have practiced the profession both as the employee of major companies and as independent consultant since graduation.
4. The work program herein reported was carried out under my direct supervision; all samples mentioned were taken by me and were in my possession until delivery to common carrier.
5. I am a Director of Tornex Resources, Ltd., and hold shares in said company.
6. Dated the 22nd of August, 1979, at New Hazelton, B. C.

  
Fred Kern, Jr.

STATEMENT OF COSTS

1. Labor - 7 days	
a. 2 men @\$100/day	\$1400.00
b. helper @\$50/day	350.00
2. Travel - 660 miles	
4x4 pu - 7 days @ \$40/day	280.00
Mileage @ 15¢/mile	99.00
3. Camp costs and food	
\$20/man/day	400.00
4. Helicopter charges	491.50
5. Writing report	200.00
	<hr/>
	\$3190.50