URANGESELLSCHAFT CANADA LIMITED

GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL REPORT

BETA 1 - BETA 38 inclusive

SHEET 116-B-7

Latitude 64°24'/64°26' - Longitude 138°30'/138°36'

J. B. Williams

H. J. Weyer

November 1979

090510

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

$ 10,200.00

J a Morin

Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

B. R. BAXTER
Supervising Mining Recorder

Commissioner of Yukon Territory

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(*) This portion of the report was written by H.J.Weyer, Project Geologist in charge of evaluating the TETA & BETA Claim Groups. Portions were edited by J.B. Williams

1. INTRODUCTION

A uranium exploration program was conducted by Urangesellschaft Canada Ltd. (UG Canada) between June 8 and July 31, 1979, over the BETA group of 38 claims in the Tombstone area of the Yukon. The claims were staked in April of 1977 on the basis of anomalous uranium in stream waters, as reported by the Geological Survey of Canada (G.S.C.) in Open File # 388, Part 2.

The scope of UG's fieldwork was to extend existing mapping and to sample the claim group and open ground in the area of the Tombstone batholith. Results and material collected during the field season will be the base for a Master's thesis dealing with the Tombstone batholith and the uraniferous tinguaite giving regard to the genesis of this complex. This work will be done by H. J. Weyer at RWTH Aachen, Germany. Therefore, in this preliminary report, only the highlights are mentioned.

2. PROPERTY, DESCRIPTION & LOCATION

The BETA group of claims are contiguous and consist of 38 full-sized claims with tag numbers YA 10079 - YA 10104 inclusive and YA 31888 to YA 31899 inclusive. The claims, which are listed below, are wholly owned by Urangesellschaft Canada Ltd. with principal offices at 2 Bloor Street East, Suite 3100, Toronto, Ontario.

Claim #	Tag #	Claim #	Tag #	Claim #	Tag #
BETA 1	YA 10079	BETA 15	YA 10093	BETA 29	YA 31890
BETA 2	YA 10080	BETA 16	YA 10094	BETA 30	YA 31891
BETA 3	YA 10081	BETA 17	YA 10095	BETA 31	YA 31892
BETA 4	YA 10082	BETA 18	YA 10096	BETA 32	YA 31893
BETA 5	YA 10083	BETA 19	YA 10097	BETA 33	YA 31894
BETA 6	YA 10084	BETA 20	YA 10098	BETA 34	YA 31895
BETA 7	YA 10085	BETA 21	YA 10099	BETA 35	YA 31896
BETA 8	YA 10086	BETA 22	YA 10100	BETA 36	YA 31897
BETA 9	YA 10087	BETA 23	YA 10101	BETA 37	YA 31898
BETA 10	YA 10088	BETA 24	YA 10102	BETA 38	YA 31899
BETA 11	YA 10089	BETA 25	YA 10103		
BETA 12	YA 10090	BETA 26	YA 10104		
BETA 13	YA 10091	BETA 27	YA 31888		
BETA 14	YA 10092	BETA 28	YA 31889		

The claims (refer to Fig. 1) are located at latitude $64^{o}24'/64^{o}26'$, longitude $138^{o}30'/138^{o}36'$ on the Tombstone River map sheet (NTS 116-B-7) in the southern Ogilvie Mountains. The claims lie entirely above the tree line between elevations 4600 and 7000 feet (1400 to 2100 m) - see Fig. 1 & 2.

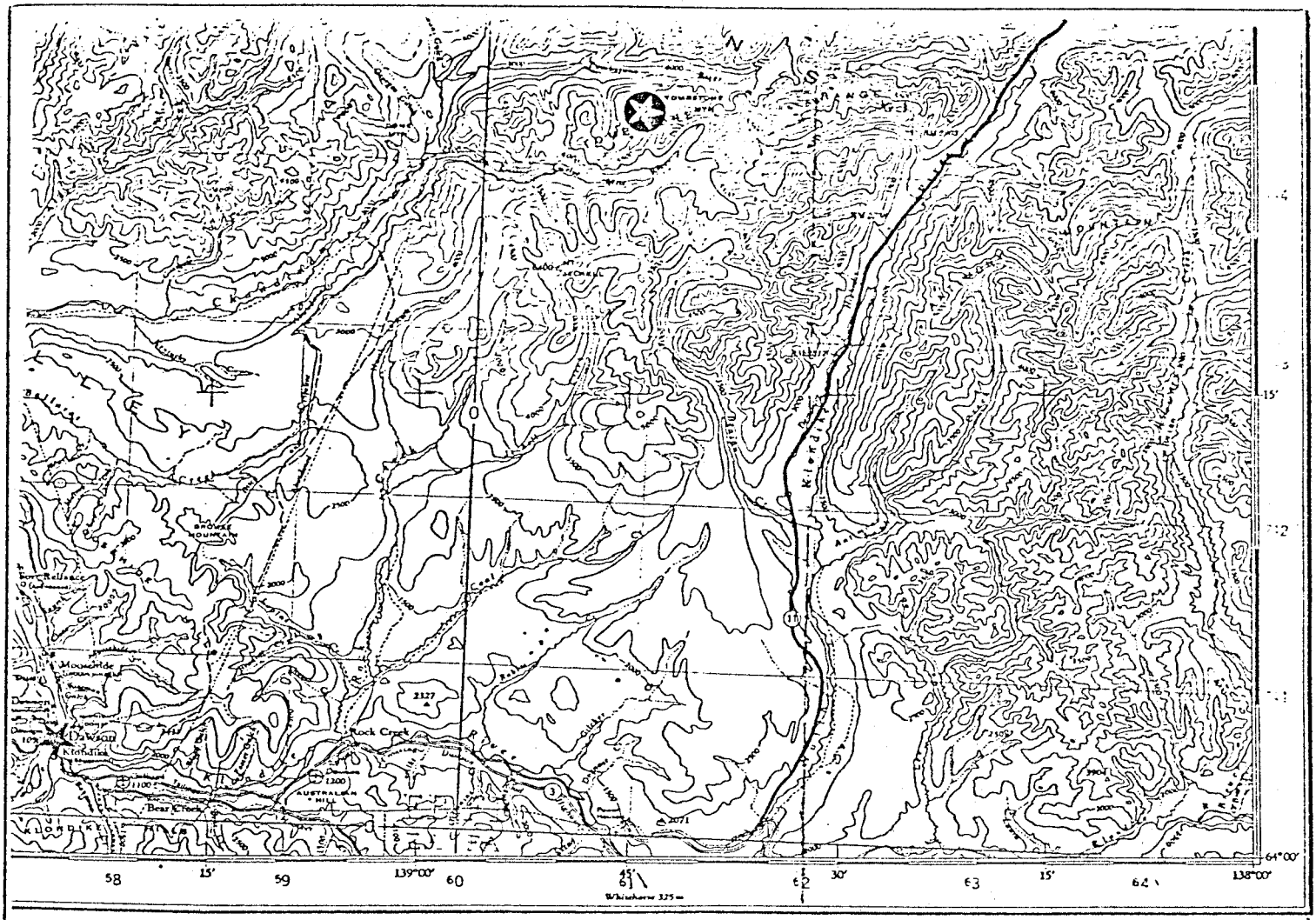

FIGURE 1: GENERAL LOCATION AND ACCESS, BETA CLAIMS

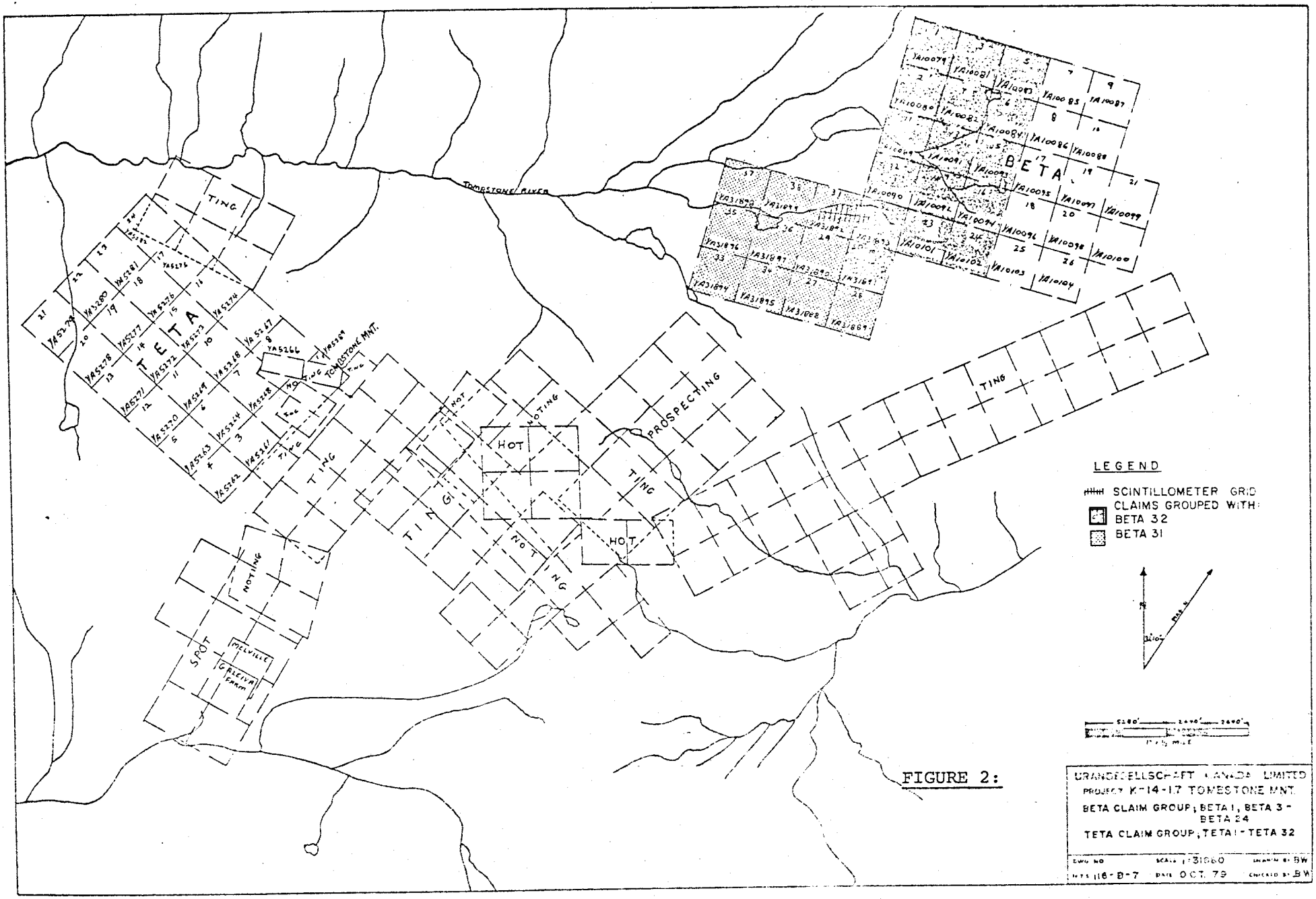
TOMBSTONE RIVER
BETA
TETA
TING
HOT
NOTING
PROSPECTING
TOMBSTONE MNT.
SPOT
MELVILLE
GREEVE FARM
LEGEND
SCINTILLOMETER GRID
CLAIMS GROUPED WITH:
BETA 32
BETA 31
5280'
2640'
1/2 MILE
GRANDE ELLSCHEFT CANADA LIMITED
PROJECT K-14-17 TOMBSTONE MNT.
BETA CLAIM GROUP; BETA 1, BETA 3 - BETA 24
TETA CLAIM GROUP, TETA 1 - TETA 32
DWG NO
SCALE 1:31680
DRAWN BY BW
NTS 116-B-7
DATE OCT. 79
CHECKED BY BW

FIGURE 2:

Sketch showing grouping of GRID BASE LINE.

SUMTING

SUMTING

SUMTING

GRTL

SUMTING

BET

PROSPECTING

TING

HOT

TING

5500

6000

6500

5000

4500

4000

25'

The dominant feature within the claim group is a cirque which opens northwest to the Tombstone River Valley. The walls of the cirque are precipitous and parts of the claim group are inaccessible. Deposits of alpine glaciation including moraine and boulder glaciers cover the floor of the cirque to an uncertain depth.

3. LOGISTICS & ACCESS

Helicopter services are available from Transwest and Transnorth in Dawson. UG mostly contracted Transwest. Mobilization and demobilization of camp was done by Hughes 500C helicopter and truck. For this purpose, gear was trucked up to mile 42 of Dempster Highway and then flown by helicopter to the campsite. Radio contact was maintained twice daily with the expediter (Whitehouse Motel, P.O.Box 193, Dawson City, Y.T., YOB 1GO). However, the used Marconi CP34 radio proved not to be suitable for the distance. UG frequency was 4441, and the call sign was VGE 240. The expediter's call sign was VGE 555 Dawson.

The Dempster Highway passes within 9 miles (14 km) of the claim group. The east-northeast trending Tombstone River valley, which lies immediately north of the property, meets the Dempster Highway within 10 miles (16 km) of the claim group. The moderate grade (average 4 to 5%) of this broad valley would make it the logical access corridor from the Dempster Highway to the claim group in the event of future development. General access to the property is illustrated in Figure 2.

4. CLIMATE

The climate is continental in the Tombstone Range. Weather and wind directions are liable to change within 2 - 3 hours. Precipitation is low with peak rainfall during the summer months. Due to these conditions, one third of the working period was lost by rain and dense fog (see GSC Memoir 364, 5.3.). Hence, the name "Cloudy Range" given to this area is understandable.

5. PREVIOUS WORK

No signs of previous exploration activity were observed on the BETA claim group. The Geological Survey of Canada has conducted investigations in the region which are described in the following publications:

GSC Memoir 364: "Geology of Nash Creek, Larsen Creek and Dawson Map Area, Yukon Territory" by L.H. Green, 1968.

GSC Bulletin 180: "Stratigraphy and Structure of the Keno Hill Quartzite in Tombstone River - Upper Klondike River Map Areas, Yukon Territory" by D. J. Tempelman-Kluit, 1970.

GSC Report of Activities 77-1B: "Geochemical Distribution of Uranium, Tungsten and Molybdenum in the Tombstone Mountains, Batholith, Yukon" by W.D. Goodfellow and I.R. Jonasson, 1977.

GSC Open File 388 & 418: Results of "Uranium Reconnaissance Program" Surveys.

In 1977, UG Canada ran a 6,000 foot baseline with crosslines at 400 foot intervals along the length of the cirque. A total count scintillometer survey was conducted over the grid and accessible portions of the property. Detailed geological mapping of bedrock and surficial geology was carried out over the claim group.

In 1978 a staking program was undertaken by UG Canada. 12 additional claims were staked, but other than that no exploration activity took place on the BETA claim group that year.

6. EXPLORATION PROCEDURE AND LOGISTICS

Exploration of the BETA claims proceeded as follows:

i) A series of stream sediment samples were taken in the area of the "New BETA Claims" (BETA 27 - 38) and areas south and north of the claim group.

ii) Rock samples were collected in conjunction with and from the same areas as the stream sediments.

iii) A 5.2 line mile grid was established as the base for a scintillometer total count survey and detailed prospecting.

iv) Geological mapping of bedrock and surficial deposits was conducted on the claim group and surrounding area.

Pace, compass and altimeters were used for ground control in conjunction with 1:10,000 topographic map. A helicopter was

chartered on a casual basis to transport personnel to inaccessible areas of the property, to ferry camp supplies from Dawson City and to mobilize and demobilize the camp. Camp provisions were ordered by Marconi CP 34 short wave radio to Resources Expediting, Dawson. Food stuffs were purchased from Monte Carlo Ltd.

7. G E O L O G Y (*)

7.1. INTRODUCTION

The Tombstone batholith is a Cretaceous intrusion into Mesozoic and predominantly Paleozoic rocks represented in different large roof pendants. The core of the syenitic pluton consists of quartz-monzonite and a marginal pseudoleucite tinguaite phase in the SW. The work target was to map the area with special attention to the tectonics. Scale of mapping was 1:10,000. Declination in the area is 30.1° E. Only the middle third of the batholith was mapped.

Surficial geology and bedrock geology were mapped separately.

7.2. SURFICIAL GEOLOGY (see Map 3)

The surficial geology map differentiates between moraine, scree, boulder, glacier and outcrop. More detailed mapping of the moraines and the scree is possible, however, the short working period and the limited importance in respect to uranium exploration restricted the amount of work done in this regard. The main moraine fills the Tombstone River Valley and varies in thickness between 25 and 30 m. Smaller valleys show cirques

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(*) This portion of the report was written by H.J. Weyer, Project Geologist in charge of evaluating the TETA and BETA claim groups. Portions were edited by J.B. Williams.

which were once filled with cirque glaciers and connected with the main glacier. The glaciation was of alpine type. Most of the valleys are sealed by end moraines and filled with water.

The northern slopes of the mountains are covered by scree produced by intense physical weathering. In most cases the scree is transported only a short distance (15 - 20 m) along the slope and the thickness of the cover exceeds more than 3 meters only at valley bottoms. A relation between size of boulders and number of joints was observed. Scree derived from igneous rocks shows sharp edges, while scree from sediments and metasediments is more rounded and has a tendency to slide during traversing.

Boulder glaciers contain a mixture of boulders and ice and occur at the southern sides of valleys. Due to thawing and freezing of the material they move and it is dangerous to cross them. The melt water from the boulder glaciers are draining into cirque lakes.

7.3. BEDROCK GEOLOGY AND TECTONICS

The following lithological units are represented in the Tombstone batholith: syenites, granites, quartz-monzonites, tinguaite, hybrid roof pendant as well as various dyke rocks.

A further distinction within syenites and granites is possible as they show different colours, structures and paragenesis. In the field, it proved difficult to distinguish between granite and quartz monzonite. Investigations of thin sections should bring some more help in this respect.

A gradual transition from the marginal syenite to granite and to a core of monzonite was observed. The transition zone is generally 2-3 m wide and especially at the syenite/granite contact is enriched in mafic components.

In valleys south and southwest of the Tombstone River the contacts are superimposed by large joints or possible faults. However, it was difficult to determine the amount of displacement on the igneous rocks. There is evidence that these huge joints are caused in the fresh rock by lateral stress shortly after the intrusion of the batholith. The joints link up with still active faults in the surrounding area of the batholith.

The upper Tombstone River follows the major joint system while the drainage system north of the Tombstone River follows the normal cooling joint structures.

Surprisingly, in the core of the batholith, the monzonite is fine grained while the granite forms a medium grained and the syenite a fine grained unit. This sequence is contrary to a normal cooling sequence, where the coarse grained variation is expected in the center of the intrusion. Tinguaite is considered as the oldest unit of the pluton, as has been observed by Olade and Goodfellow. Tinguaite xenoliths occur within the syenite indicating that syenite intruded tinguaite.

The pluton is the result of incongruent melting. With the first crystallization phase tinguaite intruded and crystallized. At this point feldspar was still present. Northeast of and partially surrounding the tinguaite, the pluton came up after all feldspathoids had melted incongruently.

Shortly after cooling, tectonic movements led to joints and faults within the syenite. In the tinguaite however, it led to shears

which are often related to joints. Strong shearing is observed only in the middle part of the tinguaite. To the north no obvious contact could be seen. Tinguaite changes gradually into a dark, medium grained syenitic rock without phenocrysts of pseudolucite.

7.4. MINERALIZATION

In the area north of the claim group, north of Talus Lake, a system of aplitic veins of syenitic composition was found. Radiometric values on the scintillometer ranged between 1,000 and 2,000 cps along these veins. The presence of molybdenite combined with the uranium is indicative of pneumatolitic transportation.

The anomaly found by the G.S.C. in the area of the BETA 27 - 38 claims is probably caused by the above mentioned veins.

LEGENI

- Quaternary: Unconsolidated glacial and fluviatile deposits
- Cretaceous: Medium grained to porphyritic hornblende ± hornblende/biotite syenite
- Cretaceous: Biotite-granodiorite and biotite-quartz monzonite
- Mesozoic: Diorite and Gabbro
- Mesozoic: Shale and thin bedded siltstone, commonly limy
- Mesozoic: Keno Hill Quartzite: massive quartzite, minor slate and phyllite, common graphitic, argillaceous quartzite
- Jurassic: Lower Schist division: predominantly dark grey argillite, slate, and phyllite
- Permian: Limestone with some chert
- Triassic: Platey, black limy shale and limestone
- Ordovician ± Silurian: Road River Formation: mainly black chert and black argillite with minor quartzite and quartz pebble conglomerate
- Precambrian ±/or later: volcanic rocks, breccia, tuff, agglomerate; minor interbedded shale, chert, siltstone, and sandstone
- Precambrian ±/or Cambrian: Mainly gritty quartzite, sandstone, and quartz pebble conglomerate; also shale, slate, schistose quartzite, quartz-chlorite schist, quartz-mica schist and phyllite, minor limestone and black chert

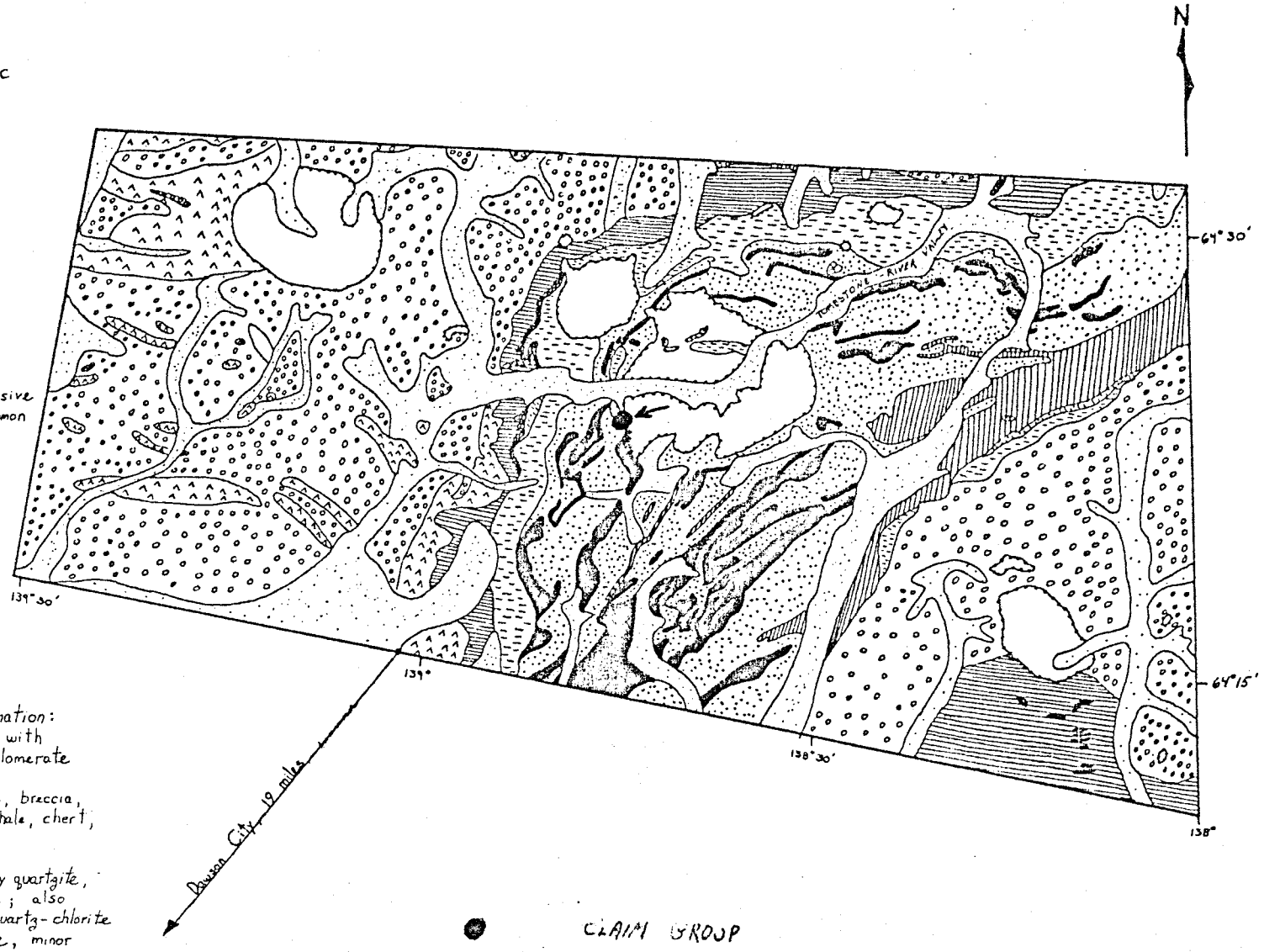


FIGURE 3:

URANGESELLSCHAFT CANADA LIMITED
PROJECT: KH, 1-7
Regional Geology, Tombstone Area
DWG. NO. 116 A 7 SCALE: DRAWN BY: DATE: CHECKED BY:

8. GEOPHYSICAL REPORT

8.1. INTRODUCTION

Geophysical instruments consisted of radiometric units only. Each crew member carried a Scintrex BGS-1SL scintillometer when working in the field. The detector on this unit is a 43.5 cm^3 thallium activated sodium iodide crystal. They have a broadband response to all gamma energies above 0.1 MeV.

Besides the two scintillometers, a Geometrics DISA 400A gamma ray spectrometer was utilized on this project. This instrument is composed of two main components, the console and the detector.

The detector has a 57.57 cm^3 sodium iodide crystal optically coupled to a high gain photo multiplier tube. Electrical impulses are passed by means of a cable to the console where an energy discriminating device differentiates and displays total count, potassium (K^{40}), uranium (Bi^{214}), and thorium (Ti^{208}) on a numerical readout.

8.2. SCINTILLOMETER SURVEYS

Scintillometers were carried by the geologist to measure radioactivity of the area being mapped. The geological assistant also carried a scintillometer and prospected while the geologist recorded field notes. Likewise, a scintillometer was carried by each member of the geochemical sampling team in the event of

crossing an anomalous area and each crew member carried a scintillometer while prospecting.

Scintillometer surveys were carried out over the grid in the new BETA claims (Drawing 3). All rocks were checked by scintillometer and spectrometer and recorded before being sent to the lab for analyses.

8.3. SPECTROMETER SURVEYS

The spectrometer was used in camp on all rock samples before being sent for analysis to Barringer Magenta Limited in Calgary, Alberta.

8.4. RESULTS OF RADIOMETRIC SURVEYS

Scintillometer readings on the BETA grid showed the area to the south of the baseline to be more radioactive than that to the north, but no anomalous areas could be located.

The area of the aplite veins to the north of Talus Lake showed a considerable number of mineralized boulders and outcrop, but very little of any interest and nothing of economic value.

9. GEOCHEMICAL SURVEY

9.1. INTRODUCTION

A stream sediment survey was conducted in the area of the new BETA claims and the area just north of the claim group. Besides stream sediments, several rock samples were collected. All sample locations were marked on a 1:10,000 topographical map.

9.2. STREAM SEDIMENT SURVEY

Stream sediments in the form of stream bottom and stream bottom heavy mineral samples were gathered. Not all samples were analysed because of financial reasons, but were stored at our warehouse in Toronto.

Regardless of their destination, all samples were collected in the same manner. Stream sediment samples were grabbed by hand or panned from stream beds and put into numbered Kraft paper bags and air dried before being sent for analysis or to Toronto for storage. At the laboratory, samples were thoroughly dried and sieved through a -80 mesh. Next, samples were split and digested in HNO_3. The remaining portion of the sample was stored for later tests, if desired. The portion of the sample used for analysis was compressed to make a pellet and analysed fluorimetrically.

The survey consisted of 38 stream sediment samples. These were taken at 500 meter intervals along the Tombstone River. Most lakes in the area were sampled as well. The results showed very

sporadic readings. No trend could be established. Four samples were over 100 ppm which is twice the next highest sample at 56 ppm. Some work should be done as a follow-up to see if similar results can be detected.

Threehundred and fifty rock samples were collected. Of these, nine were sent for analysis. Values ranged from 52 ppm to 2,720 ppm. Besides being tested for uranium, all rocks and sediments were checked for molybdenum as well. See Appendix I and Drawing 4.

APPENDIX I

GEOCHEMICAL TABLES

TABLE I:

B A R R I N G E R M A G E N T A Geochemical Laboratory Report No. 79-520C

ROCK ANALYSIS RESULTS:

Sample Type Rock	Total U ppm	Mo ppm						
91	80	37						
92	84	6						
107	20	7						
124	64	6						
162	360	10						
166	260	3						
201	200	2						
226	52	2						
315	2720	1200						
327	2.60%	22						
Trench #4								
T- 41	150	22						
42	56	27						
43	24	12						
44	44	33						
45	92	56						
46	176	165						
47	2560	600						
48	3520	1200						
49	520	290						

B A R R I N G E R M A G E N T A Geochemical Laboratory Report No. 79-520C

T A B L E II

STREAM SEDIMENT ANALYSIS RESULTS:

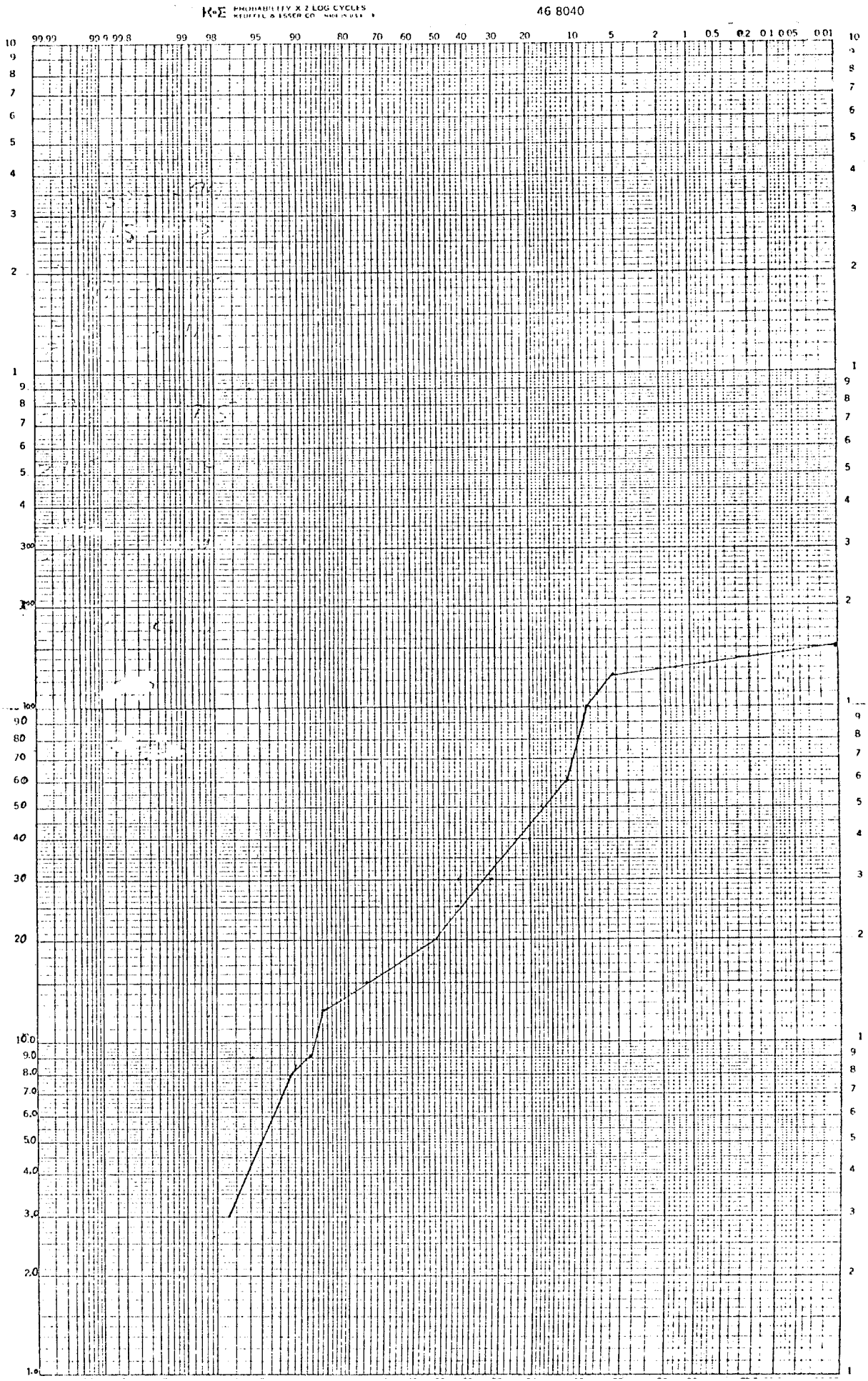
Sample Type Stream Sediment	HNO_3 U ppm	Mo ppm						
HJW-55 1	144	80						
3	60	5						
4	20	19						
5	19.0	4						
6	32	4						
7	156	20						
8	44	8						
9	24	7						
10	60	6						
12	40	5						
13	28	4						
14	20	4						
15	20	3						
16	18.0	4						
(14.7)17	24	5						
(15.7)17	8.4	13						
18	15.6	6						
19	8.0	4						
SS 20	18.0	7						
21	I.S.	2						
22	I.S.	I.S.						
23	9.2	2						
24	24	30						
25	28	4						
26	176	7						
27	24	9						
28	14.0	3						
29	24	9						
30	56	5						
32	3.6	4						
33	48	5						
34	48	6						
35	24	6						
36	32	6						
(25.7)37	100	8						
(8.8)37	36	7						
38	36	4						

T A B L E III: CUMULATIVE FREQUENCY:

CUMULATIVE FREQUENCY CALCULATION Area: TOMBSTONE STREAM SEDIMENTS Element: U Name: Date:

ppm		Total	Cum. Tot	% Cum. Tot	Breaks	Remainder	Rc
1							
1.35							
1.5							
2							
2.5							
3	I	I	I	2.86			
4							
5							
6							
7							
8	II	2	3	8.57			
9	I	I	4	11.43			
10							
12.5	I	I	5	14.29			
15	III	3	8	22.86			
20	~~IIII~~ IIII	9	17	48.57			
25	III	3	20	57.14			
30	IIII	4	24	68.57			
40	IIII	4	28	80.00			
50	I	I	29	82.86			
60	II	2	31	88.57			
70							
80							
90							
100	I	I	32	91.43			
125	I	I	33	94.29			
150	II	2	35	100.00			
200							
250							
300							
400							
500							
600							
700							
800							
900							
1000							
1250							

TABLE IV: TOMBSTONE STREAM SEDIMENTS (U)



A P P E N D I X II

MISCELLANEOUS INFORMATION

PERSONNEL EMPLOYED BY URANGESELLSCHAFT CANADA LIMITED:

Name & Address:	Time Employed:
Hans Juergen Weyer Pannesheiderstr. 37 5120 Herzogenrath West Germany	June 1 - September 15, 1979
John Gardiner 37 Armitage Dr. Scarborough, Ontario MIR 4X9	June 1 - August 25, 1979
J. Bruce Williams 916, 100 Raglaw Ave. Toronto, Ontario	May 14 - December 1, 1979

STATEMENT OF EXPENDITURES

Camp Supplies	$ 512.78
Food	$ 916.87
Accommodation and Meals	$ 1,087.74
Travel	$ 2,202.22
Freight	$ 179.95
Maps and Photos	$ 89.44
Miscellaneous	$ 82.50
Salaries and Benefits	$ 6,574.58
Fuel	$ 110.58
T O T A L	$15,789.00

68% of the field work was carried out on BETA ground. Hence, 68% of the cost has been attributed to the BETA claims:

68% of $15,789.00 = $10,736.52

T O T A L EXPENDITURE FOR BETA CLAIMS $10,736.52

QUALIFICATION OF THE AUTHOR

I, J. Bruce Williams, am a graduate of Sir Sanford Fleming College, having obtained a Geological Technician Diploma in 1978.

I have worked one full year and one season with Urangesellschaft Canada Ltd. as a uranium exploration geologist.

J. Bruce Williams

Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name) Ursula Ollman Occupation EXPEDITOR - AGENT FOR URANGESELLSCHAFT

(Postal Address) (BOX 193 DAWSON CITY) SUITE 3100 2 BLOOR ST. E., TORONTO ONT. OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

YA10085 - YA10088 inclusive BETA 7 - BETA 10 inclusive
YA10095 - YA10100 inclusive BETA17 - BETA 22 inclusive
YA10103 BETA25
YA10104 BETA26

situated at 4 miles NE of Tombstone Mnt. Claim Sheet No. 116-B-7

in the Dawson City Mining District, to the value of at least 10,210.00

dollars, since the 1st day of May 19 79,

to represent the following mineral claims under the authority of Grouping Certificate No. _____.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.)

YA10085 - YA10088 inclusive BETA 7 - BETA 10 inclusive
YA10095 - YA10100 inclusive BETA17 - BETA 22 inclusive
YA10103 BETA25
YA10104 BETA26
2 years April 14,1980-April 14,1982

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53)

Geological mapping TOPO map for control 1:10,000	June 1-July 30
Surficial mapping TOPO map for control 1:10,000	June 1-July 30
Geochemical sampling TOPO map for control 1:10,000	June 1-July 30
Prospecting TOPO map for control 1:10,000	June 1-July 30

Sworn before me at Dawson

this 27 day of Sept 19 79

A Van Bakel
Notary Public

U Ollman
Applicant.

Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name) Ursula Ottman Occupation Expediter and Agent for Urangesellschaft

(Postal Address) (Box 193 Dawson City) & Suite 3100, 2 Bloor St. E. Toronto Ont. OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

YA31888 - YA31890 inclusive BETA 27 - BETA 29 inclusive
YA31892 BETA 31
YA31894 - YA31899 inclusive BETA 33 - BETA 38 inclusive

situated at 4 miles NE of Tombstone Mnt. Claim Sheet No. 116-B-7

In the Dawson City Mining District, to the value of at least 10,210.00

dollars, since the 1st day of May 19 79,

to represent the following mineral claims under the authority of Grouping Certificate No. _____.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.)

YA31888	BETA 27	YA31897	BETA 36
YA31889	BETA 28	YA31898	BETA 37
YA31890	BETA 29	YA31899	BETA 38
YA31892	BETA 31		
YA31894	BETA 33		
YA31895	BETA 34		
YA31896	BETA 35		

2 ~~3~~ years December 14,1979-December 14,1982

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53)

Geological mapping TOPO map for control 1:10,000	June 1-July 30
Surficial mapping TOPO map for control 1:10,000	June 1-July 30
Geochemical sampling TOPO map for control 1:10,000	June 1-July 30
Prospecting TOPO map for control 1:10,000	June 1-July 30

Sworn before me at Dawson

this 21 day of Sept 1979

J Van Bakel
Notary Public

U Ottman
Applicant.

m073

Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name) Ursula Oltman Occupation (Agent for Urangesellschaft) EXPEDITOR

(Postal Address) (BOX 193 DAWSON CITY) SUITE 3100 2 BLOOR St. E TORONTO ONT. OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

YA10079 - YA10084 inclusive BETA 1 - BETA 6 inclusive
YA10090 - YA10094 inclusive BETA 11 - BETA 16 inclusive
YA10101 - YA10102 BETA 23 - BETA 24
YA31891 BETA 30
YA31893 BETA 32

situated at 4 Miles NE of Tombstone Mnt. Claim Sheet No. 116-B-7

In the Dawson City Mining District, to the value of at least 10,210.00

dollars, since the 1st day of May 19 79,

to represent the following mineral claims under the authority of Grouping Certificate No. _____.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.)

YA10079	BETA 1	YA10091	BETA 13	3 years 81
YA10080	BETA 2	YA10092	BETA 14	April 14,1980
YA10081	BETA 3	YA10093	BETA 15	April 14,1983 84
YA10082	BETA 4	YA10094	BETA 16	
YA10083	BETA 5	YA10101	BETA 23	
YA10084	BETA 6	YA10102	BETA 24	
YA10089	BETA11	YA31891	BETA 30	December 14,1979
YA10090	BETA12	YA31893	BETA 32	December 14,1982

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53)

Geological mapping TOPO map for control 1:10,000	June 1-July 30
Surficial mapping TOPO map for control 1:10,000	June 1-July 30
Geochemical sampling TOPO map for control 1:10,000	June 1-July 30
Prospecting TOPO map for control 1:10,000	June 1-July 30

Sworn before me at Dawson

this 27 day of Sept 19 79

A Van Bethem
Notary Public

U Oltman
Applicant.

M073

N

HEER VALLEY

NORTH VALLEY

NACHBAR VALLEY

SPITZ LAKE

SPITZ MOUNT

SPITZ VALLEY

GRID VALLEY

TORDIS LAKE / VALLEY

TORDIS MOUNTAIN

MARIA LAKE / VALLEY

MARIA PEAK

MOUNT MONOLITH

LONG VALLEY

TOMBSTONE RIVER

TALUS LAKE

MOUNT BERTHA

BETA VALLEY

ANNE LAKE / VALLEY

TETA CLAIM GROUP

CHRISTINE LAKE
CHRISTINE VALLEY

LITTLE VALLEY

PEAK MT.

FAUST VALLEY 3

FAUST VALLEY 2

FAUST VALLEY 1

TETA VALLEY

TOMBSTONE MOUNTAIN

BETA CLAIM GROUP

SOUTH VALLEY

TETA LAKE
TETA VALLEY

LITTLE 12 MILE VALLEY

LEGEND

6	DYKES
5c	QUARTZ MONZONITE
5b	GRANITE
4	SYENITE
3	QUARTZITE
2	ROOF PENDANTS

SCALE
0 800 1600 2400 Ft.

URANGESELLSCHAFT CANADA LIMITED

PROJECT: K14, 17 YUKON (TOMBSTONE)

090510

BEDROCK GEOLOGY

DWG. NO. 1	**SCALE:** 1" = 10,000	**DRAWN BY:** ML.
N.T.S. 116B7	**DATE:** OCT. '79	**CHECKED BY:** B.W.

HEER VALLEY

NORTH VALLEY

NACHEAR VALLEY

SPITZ LAKE

SPITZ MOUNT

SPITZ VALLEY

GRID VALLEY

TORDIS LAKE / VALLEY

TORDIS MOUNTAIN

MARIA LAKE / VALLEY

MARIA PEAK

MOUNT MONOLITH

LONG VALLEY

TOMBSTONE RIVER

TALUS LAKE

BETA VALLEY

MOUNT BERTHA

ANNE LAKE / VALLEY

TETA CLAIM GROUP

CHRISTINE LAKE

CHRISTINE VALLEY

LITTLE VALLEY

PEAK MT.

FAUST VALLEY 3

FAUST VALLEY 2

FAUST VALLEY 1

TETA VALLEY

TOMBSTONE MOUNTAIN

BETA CLAIM GROUP

SOUTH VALLEY

TETA LAKE

TETA VALLEY

LITTLE 12 MILE VALLEY

LEGEND

- SCREE
- OUTCROP
- BOULDER GLACIER
- MORAINE

SCALE

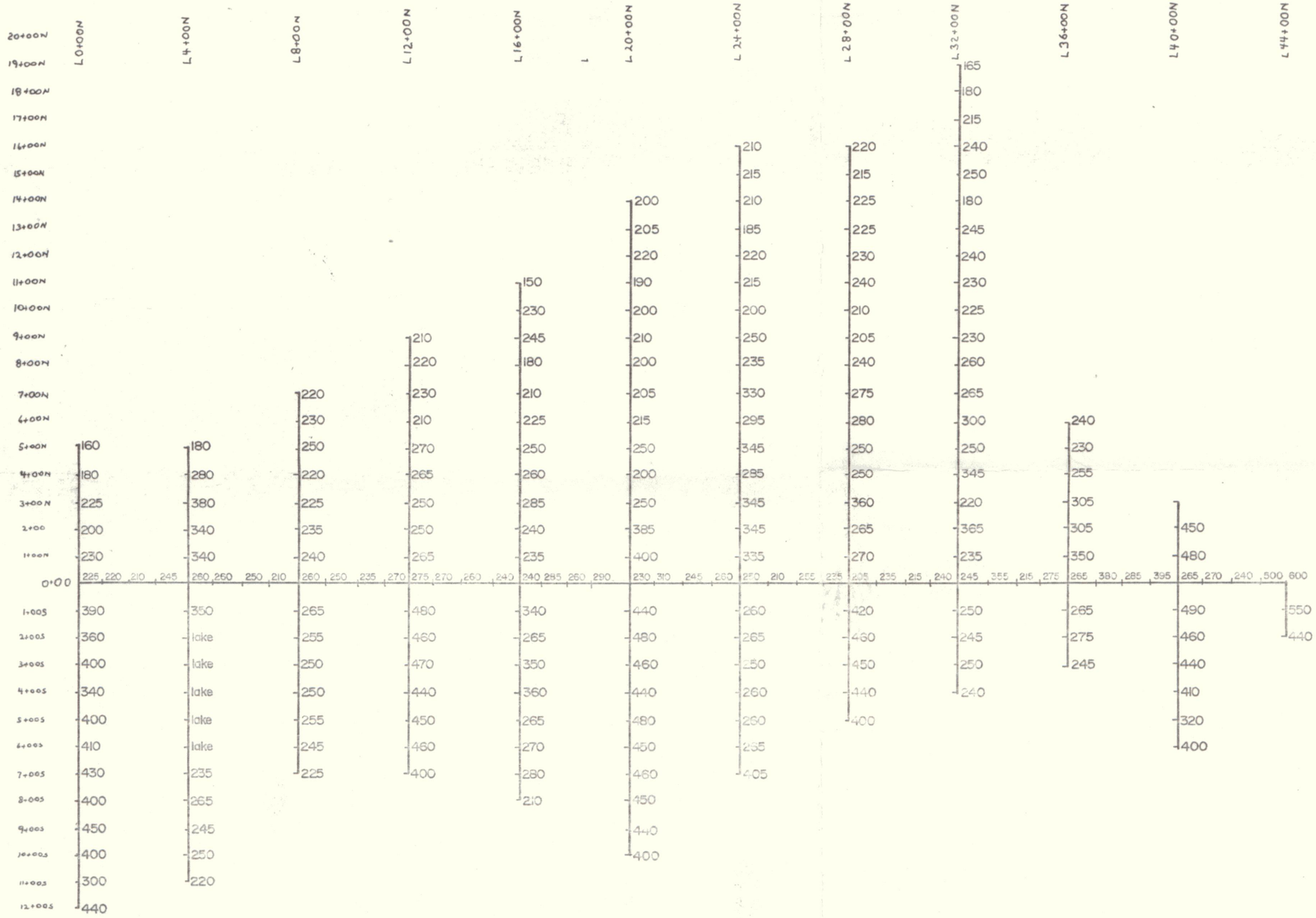
0 800 1600 2400 Ft.

URANGESELLSCHAFT CANADA LIMITED

PROJECT: K14, I7 YUKON (TOMBSTONE)

SURFICIAL GEOLOGY

DWG. NO. 2	**SCALE:** 1" = 10,000	**DRAWN BY:** M.L.
N.T.S. 116 B7	**DATE:** OCT. '79	**CHECKED BY:** B.W.



LEGEND

URANGESELLSCHAFT CANADA LIMITED

PROJECT: TOMBSTONE RANGE
BETA CLAIMS 26-38
SCINTILLOMETER GRID

DWG. NO 3 | SCALE: 1-2400 | DRAWN BY: GT
N.T.S. 116-B-7 | DATE: OCT. 19/79 | CHECKED BY: JBW

HEER VALLEY

NORTH VALLEY

LONG VALLEY

SPITZ LAKE

SPITZ MOUNT

SPITZ VALLEY

NAECHAR VALLEY

GRID VALLEY

TORDIS LAKE / VALLEY

TORDIS MOUNTAIN

MARIA LAKE / VALLEY

MARIA PEAK

MOUNT MONOLITH

TALUS LAKE

MOUNT BERTHA

BETA VALLEY

TETA CLAIM GROUP

ANNE LAKE / VALLEY

CHRISTINE LAKE CHRISTINE VALLEY

TOMBSTONE RIVER

LITTLE VALLEY

PEAK MT.

FAUST VALLEY 3

FAUST VALLEY 1

FAUST VALLEY 2

TETA VALLEY

TOMBSTONE MOUNTAIN

BETA CLAIM GROUP

TETA LAKE TETA VALLEY

SOUTH VALLEY

LITTLE 12 MILE VALLEY

LEGEND

- ▲ – Sediment Sample
- ● – Rock Sample
- ◇ – Scintilometer Value (same position as ▲)
- X – Sample sent for analysis

SCALE

0 800 1600 2400 Ft.

URANGESELLSCHAFT CANADA LIMITED

PROJECT: K14, 17 YUKON (TOMBSTONE)
STREAM SEDIMENT & ROCK SAMPLE LOCATIONS
SCINTILOMETER & READINGS (BGS-ISL)

090510

DWG. NO. 4	**SCALE:** 1" = 10,000	**DRAWN BY:** M.L.
N.T.S. 116B7	**DATE:** OCT. '79	**CHECKED BY:** B.W.