GM 38322

ASSESSMENT REPORT, GEOCHEMICAL SURVEYS

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Énergie et Ressources naturelles
Québec

URANERZ EXPLORATION & MINING LTD.

TEMIS RIVER AREA

ASSESSMENT REPORT 1981

APPENDIX

GEOCHEMICAL SURVEYS

Prepared by:

G. Lambert
UEM-Montreal
16 Feb. 1982

1-8-2-2

HELIUM AND URANIUM IN SOILS

The geochemical survey was carried out to evaluate the uranium potential of the numerous conductors that were overlain by the Otish quartzites. It was assumed that at best these conductors were only partially mineralized and therefore samples were taken at a 50 m station interval along the axis of the conductors rather than along grid lines perpendicular to the strike of these zones.

With respect to the sampling, samples usually were taken from the organic and clay rich A horizon. Each soil sample for helium analysis was hermetically preserved by sealing it in an aluminum sample container. Chemical Projects Ltd. (Toronto) performed the analysis for helium and Bondar and Clegg Ltd. (Ottawa) the analysis for uranium. The Track Etch (radon) cups were inserted into approximately 25 cm deep holes in the ground and later covered with soil filled garbage bags. The cups remained in the ground for three to six weeks. The radon flux was analyzed by Terradex Corporation (California).

To evaluate the data statiscally, first the mean of the area's whole population was computed. The regional background was considered to be the mean of the background population which consisted of all the samples that had helium, uranium or radon concentrations equal or less than the mean plus one standard deviation of the whole population. Those samples that had concentrations exceeding the background mean by more than four standard deviations of the background population were considered to be first order anomalies (3 standard deviations = 2nd order, 2 standard deviations = 3rd order, 1 standard deviation = 4th order).

In the Temis River area the anomalous levels are as follows:

	He (nl He/1 mud)	U(ppm)	Rn(Tracks/mm^2)
Background mean	153	0.2	17.8
Standard deviation	105	0.18	10.3
1st order anomaly	>573	>0.9	>59
2nd order anomaly	468-573	0.8-0.9	48-59
3rd order anomaly	363-467	0.6-0.7	38-47
4th order anomaly	258-362	-	-

The analytical results of the three elements survey are shown on Maps 639 to 642, the statistical evaluation of the data is presented on Maps 643 to 646.

In the area of investigation, the background values of both the radon and the uranium data are rather low (18 Tracks/mm^2; 0.2 ppm), nevertheless, they are typical for the Otish Mountains basin. The results indicate that in general there is a lack of uranium or thorium containing minerals in the overburden. The helium background value (153 nl He/l mud) is lower than the one established in March 1980 (378 nl He/l mud) from 99 samples taken on a profile along Camie River, approximately 4 km east of line 10E. The well documented seasonal fluctuations of the helium flux may account for the difference.

Sections of the conductors where accumulations of anomalous high values of two or three of the considered elements occur are considered as being first order target areas. The most significant anomalies are listed below:

A) First order uranium and radon, third order helium anomaly. The conductor is not correlated with any magnetic anomalies and its depth to the top probably exceeds 150 m.

B) First order uranium, third order radon anomaly. The anomalies occur where a magnetic conductor vertically is displaced (depth to the top 40 m to 100 m) and is located in the close vicinity of a major NS trending diabase dyke.

C) First order uranium, second order helium anomaly. The conductor is not correlated with any magnetic anomalies and its depth to the top is about 120 m.

D) First order uranium, radon and helium anomaly. The conductor is correlated with a magnetic and a chargeability anomaly and its depth to the top is about 40 m.

F) First order uranium, radon and helium anomaly. The conductor is correlated with a magnetic anomaly and its depth to the top is about 100m.

J) First order radon, second order uranium, third order helium anomaly. The conductor is correlated with a chargeability and a weak magnetic anomaly and its depth to the top is about 30 m.

K) First order uranium, second order radon, third order helium anomaly. The conductor is correlated with a magnetic anomaly and its depth to the top probably exceeds 150 m.

M) First order uranium and helium anomaly. The conductor is correlated with a magnetic anomaly and its depth to the top is about 200 m.

SOUTHERN TICHEGAMI RIVER AREA CLAIMS

391303 (1-4)

391302 (1-4)

391301 (1-4)

391300 (5)

391304 (1-5)

391161 (1-5)

391160 (1-5)

391159 (1-5)

391171 (1-5)

391158 (1-5)

391157 (1-5)

391156 (1-5)

391155 (2-5)

391151 (2-5)

391150 (1-5)

392968 (1-5)

392969 (1-2)

392979 (1-5)

392980 (1-5)

URANERZ EXPLORATION & MINING LTD.

TICHEGAMI RIVER SOUTH AREA

ASSESSMENT REPORT 1981

APPENDIX

GEOCHEMICAL SURVEYS

Prepared by:

G. Lambert
UEM-Montreal
16 February 1982

PROCEDURES

The geochemical analyses consisted in measuring the concentration of uranium in the B or A_2 horizon of the soil (using the fluorometric method) and measuring the radon gas concentration in soil air using Track Etch radon detectors.

The results of these surveys, expressed in ppm uranium and tracks per square millimeter respectively, were statistically evaluated and three levels of anomalies were established as follows:

First order anomaly: $x_i \geq \bar{x}_B + 4\sigma_B$

Second order anomaly: $\bar{x}_B + 3\sigma_B \leq x_i < \bar{x}_B + 4\sigma_B$

Third Order anomaly: $\bar{x}_B + 2\sigma_B \leq x_i < \bar{x}_B + 3\sigma_B$

where x_i is the assay result of sample i

$\bar{x}_B$ is the mean of the background population (the background population is defined by all the results that are less than one standard deviation above the population mean)

σ_B is the standard deviation of the background population.

SOUTH TICHEGAMI RIVER AREA

A total of 239 samples were taken along the axis of conductors (refer to Maps 655 to 658 appended), at 50 metre station intervals. The uranium in soils has a background population mean of 0.35 ppm, where as that of radon is 10 T/mm^2.

Clusters of 1st order radon and uranium anomalies occur along the strike of conductor M, between 59W and 69W and also between 52W and 58W. It appears that this conductor has anomalous geochemical concentrations along most of its strike length. Conductor T also causes geochemical anomalies grouped between 38W and 42W. The other conductors do not display consistent clusters, but isolated punctual anomalies of lesser significance.

TEMIS RIVER AREA

CLAIMS PARCOURUS

391227-1 to 5
391201-2 to 5
391202-1 to 5

391229-1 to 5
391230-1 to 5
391203-1 to 5
391231-1 to 5
391232-1 to 5
391204-1 to 5
391233-1 to 5
391234-1 to 5
391236-1 to 5
391205-1 to 5
391235-1 to 5
391206-1 to 5

391237-1 to 3
391207-2 to 5
391239-1 to 3
391209-3 to 5
391212-1 to 2
391210-3 to 5
391213-1 to 2
391211-3 to 5
391214-1 to 2
392805-1 to 5
392808-1 to 5
392886-1 to 5
392888-1 to 4
392804-1 to 5
392806-1 to 5
392807-1 to 5
392809-1 to 5

392810-1 to 5
391887-1 to 5
392820-5
392821-1 to 5
392823-1 to 5
392832-1 to 5
392831-1 to 5
392833-1 to 5
392834-1
392822-1 to 5
392944-1 to 5
392945-1 to 5
392946-1 to 5
392947-1 to 5
392954-1
392955-5
392956-1

392927-5
392928-1
392929-5
392942-1 to 5
392943-1 to 5
392835-3 to 5
392836-1
392838-4 to 5
392811-1 to 5
391228-1 to 5

URANERZ EXPLORATION & MINING LTD.

ASSESSMENT REPORT
BEAVER-ZORAN/OTISH WEST
SUB-PROJECT AREA: GORDON'S LAKE

(July, 1981)

Prepared by:

Z. Madon
Project Geologist

Dr. M. Leppin
Senior Geophysicist

M. Cannuli
Drill Geologist

UEM-Montreal

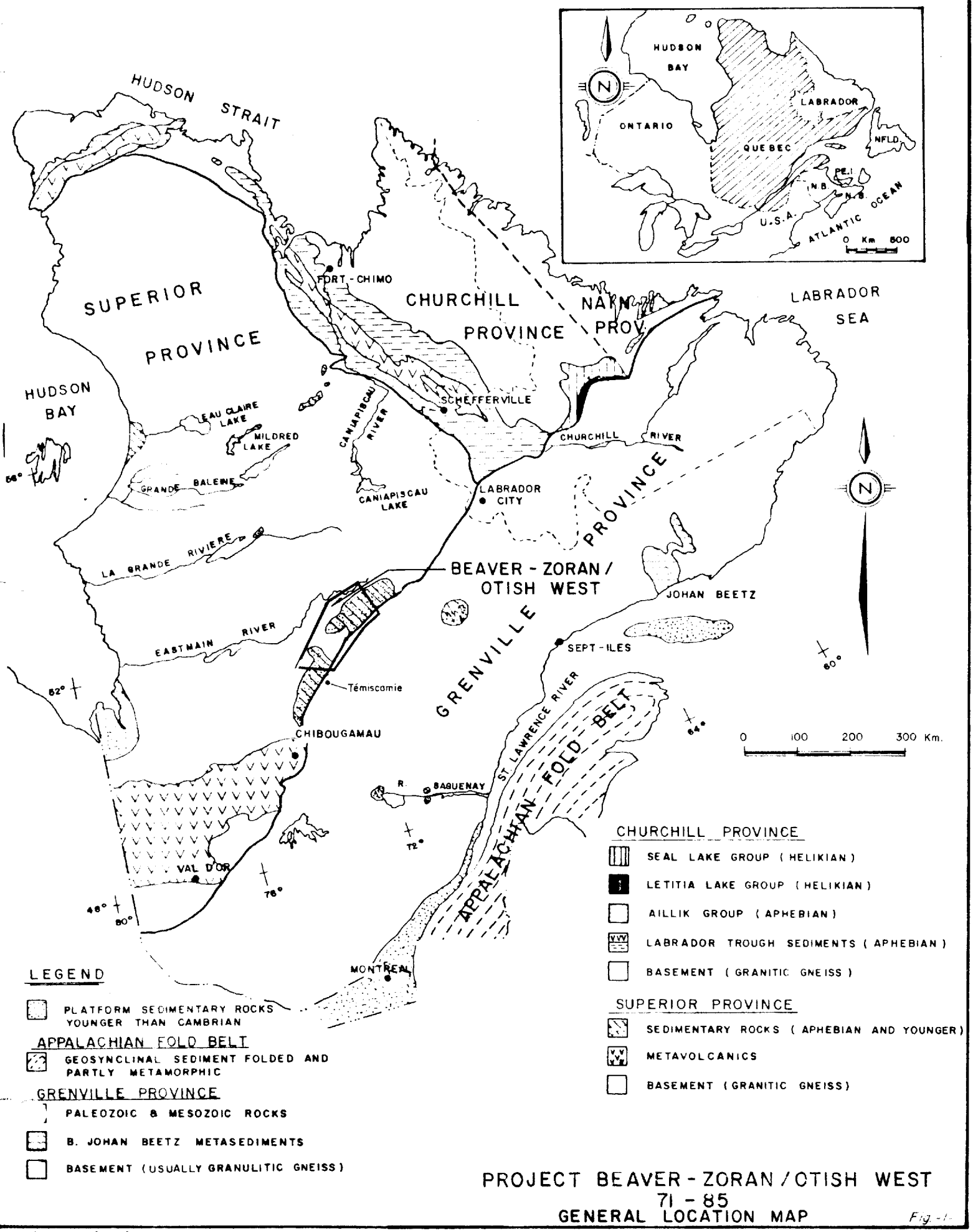
ZM/ML/MC/lk/yn

TABLE OF CONTENT

SUMMARY

Airborne and ground geophysics outlined numerous conductors and magnetic anomalies occurring below the sedimentary cover rock. Drilling has indicated that the graphite and sulfide zone persists, more or less, to at least the western end of the Gordon's Lake grid. Preliminary geological traverses indicate that certain units (i.e. cherty Iron Formation) are found in both the western and eastern extremities of the metavolcanic belt.

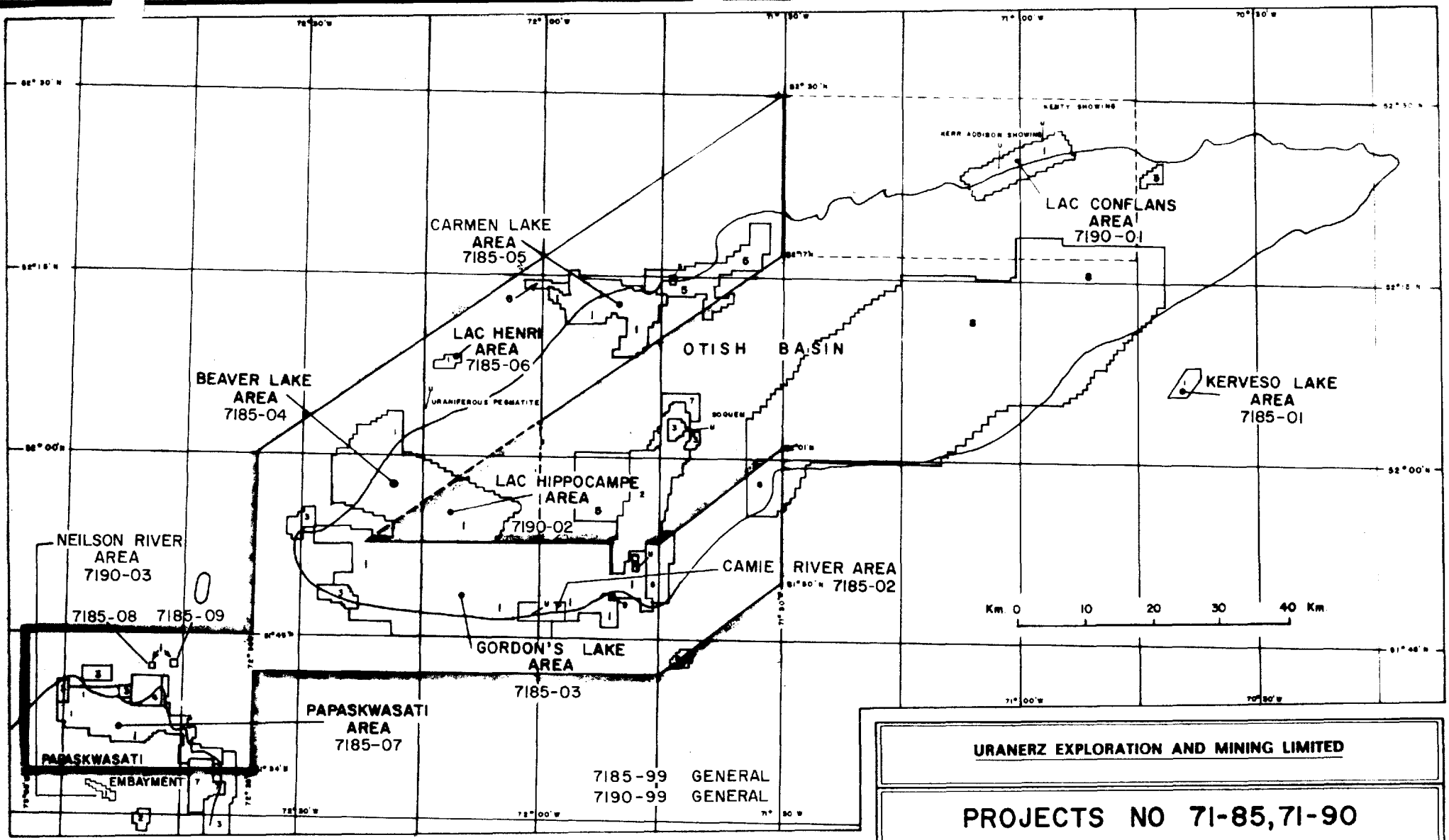
Prospecting has outlined two mineralized boulders that are U anomalies, one 4.5 km east of Lac Hippocampe and a second 4.5 km west of the Temis River, within the Temis River grid.



PROJECT BEAVER - ZORAN / OTISH WEST
71 - 85
GENERAL LOCATION MAP

Fig - 1

File / Doss No. 1



Archean/Proterozoic Unconformity

Area of interest (uem/sdbj/conico)

Area of interest (uem/sdbj)

Existing Claims with Companies

New UEM Claims Staked

1. UEM
2. PAN CONTINENTAL
3. SOQUEM
4. DOME
5. FEDERBER (Esso)
6. ROSE HUGO
7. INGAMAR
8. SERU NUCLEAIRE
9. ROSS TOMS (Esso)

URANERZ EXPLORATION AND MINING LIMITED

PROJECTS NO 71-85, 71-90

Otish Basin

SUB PROJECT AREAS

COMP *J M - R C*	DATE *Sep 80*	REP RAP No	MAP CARTE No
DRAWN DESS *A R - Y B*	DATE " "		
REVISION *Oct. 1980*		SCALE ECH 1: 800,000	PROJ No *71-85*
T C TO BONN	N T S REF		FILE DOSS No *3*

Fig. 2-

1. INTRODUCTION

1.1 AREA OF INVESTIGATION

The Gordon's Lake sub-project area is situated approximately 270 km NE of Chibougamau and 110 km NE of Témiscamie. A temporary airbase is accessible by an all weather gravel road from Chibougamau. Both localities offer ski&float equipped aircraft during the winter and summer months for transport of personnel and equipment into the area. Transportation within the area requires rotary or fixed wing aircraft (Figures 1/1, 2/3(7190), 3/539).

Regular scheduled air and bus services are available between Montreal and Chibougamau.

1.2 TIME OF INVESTIGATION

Winter Program: January 15 - April 13, 1981.

Summer Program: June 1 - August 31, 1981.

1.3 PERSONNEL

Permanent Staff:

Dr. R. Lambert	Exploration Manager - Eastern Canada
Dr. W. Gehrisch	Senior Geologist
Z. Madon	Project Geologist
Dr. M. Leppin	Senior Geophysicist
M. Cannuli	Drill Geologist
G. Lambert	Geophysicist
R. Orr	Project Geologist
P. Reinders	Senior Technician
B. Shaw	Technician
G. Darcy	Buyer/Expediter
B. McKenzie	Field Foreman/Technician

Temporary Staff:

1	Drill Geologist
1	Asst. Drill Geologist
1	Senior Assistant
1	Asst. Geophysicist
2	Junior Assistants
4	Prospectors
1	Camp Watchman
3	Field Assistants
1	Cook
1	Camp Manager
1	Dispatcher

N.B. Does not include crews employed by our contractors:
Bradley Bros. - drillers
S. Gélinas/E. Gaucher - linecutting/geophysics
Questor - geophysics
LaVérendrye - helicopter

1.4 INSTRUMENTS, VEHICLES USED

11	-	SPP-2NF scintillometers
1	-	GAM-I spectrometer
1	-	EDA spectrometer
3	-	CH-100 radios
1	-	SM-5 susceptibility meter
4	-	Walkie Talkies
1	-	Max.-Min. HEM unit
1	-	Level and tripod
2	-	Binocular microscopes
1	-	UV Lamp
1	-	Stereoscope
1	-	Diamond saw
1	-	Portable lab for density determination
2	-	Photocopy machines
1	-	Map copier
1	-	Brunton compass
1	-	Transit
2	-	Mt. Sopris Model 2500 downhole probes
1	-	Mt. Sopris Model II downhole probe

N.B. Does not include instruments used by contractors:

2	VEM units
2	Proton magnetometers
2	EM-16 (VLF) units
1	Input EM system

Transportation of supplies, equipment and personnel from Chibougamau to Témiscamie was with a rented crew cab pick-up. Two 14 ft. Mirage rubber boats with outboards were used where possible within the work area. In addition, two 14 ft. aluminum canoes were available at the drill camp for transportation across Camie River.

During the winter, 3 Elan snowmobiles were required for the drill program and various other geophysical surveys.

2. GENERAL INFORMATION

2.1 TOPOGRAPHY

The Gordon's Lake Area lies west of the height of land and drains into Lake Mistassini via the Témiscamie River and thence to James Bay via the Rupert River. Much of the drainage is controlled by glacial deposits. In the mountainous region, however, drainage is controlled by bedrock structures, paralleling foliation within gneisses and metavolcanics and joints within granitic terrain.

Local topography is dominated by glacial features, in particular the drumlinoid ridges which are up to 30 m high and several kilometers long. Most of the hills, streams and lakes are elongated in the 210°glacial direction, although some bedrock ridges do not conform. Drumlines, eskers and kames are common throughout, ranging between 15 m and 35 m in height.

2.2 CLIMATE

The area is classified as subarctic. Average winter temperatures range around -10°C, summer temperatures are in the 15°C range. A relatively large amount of precipitation falls during both summer and winter seasons, approximately 80 cm of which nearly half falls during the months of July and August. The lakes are relatively ice-free from about the beginning of June to the end of October.

2.3 VEGETATION

Boreal forest-type vegetation covers most of the area. Tops of ridges and other elevated areas display a tundra-like environment.

Black spruce (Picea Mariana) and Jack Pine (Pinus Banksiana) with a few groves of white Birch (Betula Papyrifera) are the main tree types.

Underbrush is dominated by moss, lichen and Labrador tea.

2.4 WATER RESOURCES

Fresh water is abundant in the area, predominated by long narrow glacial lakes. The Témiscamie River is the main drainage conduit in the area. The Camie River is a principle tributary of the Témiscamie River and runs almost directly through the middle of the Gordon's Lake West claim block.

2.5 POPULATION AND LAND USE

There are no settlements or commercial sites in the immediate area.

2.6 MAGNETIC DEVIATION

The magnetic deviation is in the order of 22°00'W (at center of sub-project area).

3. PREVIOUS SURVEYS AND ACTIVITIES

3.1 TOPOGRAPHIC MAPPING

The following NTS maps cover the area of investigation:

NTS Numbers	Title	Scale
32 N.E.	Mistassini	1:500,000
22 N.W.	Plétipi	1:500,000
32 P	Lac Baudeau	1:250,000
22 M	Plétipi	1:250,000
32 P/16	Lac Hippocampe	1: 50,000
22 M/13	Lac Indicateur	1: 50,000

The following airphotos were used:

Photo Numbers	Scale
A12496 (1-15)	1:35,000
A12496 (308-311)	1:35,000
A15590 (91-99)	1:56,000
A15590 (168-177)	1:56,000
A15678 (3-10)	1:56,000
A21579 (190-193)	1:44,000

3.2 GEOLOGICAL MAPPING

The southwest portion of the Otish basin has been mapped by the Ministère de l'Energie et des ressources and has proved to be fairly reliable in most places.

The Gordon's Lake sub-project area is covered by the following reports:

Report	Map Scale	Author
Rivière Savane RG146	1:253,440	E.H.Chown
Hippocampe Lake Area P.R. No. 438	1:63,360	T. Hashimoto
Tichegami RG144	1:63,360	E.H. Chown

3.3 GEOPHYSICAL SURVEYS AND ACTIVITIES

The area is covered by the following aeromagnetic maps:

Map Number	Scale
7111 G	1:253,440
7112 G	1:253,440
2030 G	1:63,360
2042 G	1:63,360

The area of investigation was prospected in the past by Noranda Exploration and Ingamar Exploration. Presently, aside from UEM, Pancontinental, SERU and ESSO are actively exploring in the vicinity.

4. MINERAL CLAIMS

The Gordon's Lake sub-project area contains 3483 claims for a total area of 55,728 Ha (557.3 km^2). A complete list of the claim numbers, including townships and dates of record can be found in Appendix 1.

5. GENERAL GEOLOGY (Fig. 4/485)

The Proterozoic Otish Basin sediments occur within the Superior Structural Province near the poorly defined Grenville Orogenic Front. Basement rocks of the Superior Group have been classified into three broad lithological units: (i) gneisses and migmatites, (ii) metavolcanics (metasediments) and (iii) granites. All these units are thought to be Archean although recent age dating indicates that some of them might have been deposited or intruded (extruded) on a pre-existing Archean craton during Aphebian time. However, the high metamorphic grades encountered in the basement rocks, usually ranging from amphibolite to granulate facies (with some retrograde reaction), make it difficult to prove the existence of undeformed sediments and/or volcanics during Aphebian time. Retrograde metamorphism during the Hudsonian might also explain the excessively young ages found in certain basement rock samples.

All the basement units were affected by the Hudsonian Orogeny (1750 m.y.) and some, if not all, were also affected by the Kenoran Orogeny (2500 m.y.).

The gneiss and migmatite complex underlies most of the area. It is variable in appearance, ranging from a schistose, layered variety to a nearly massive type. Compositionally, the quartz-biotite-feldspar gneiss predominates although cordierite and garnets are found within the unit as well. Alternating dark and light bands are a distinctive feature resulting from variations in mafic content (chiefly biotite).

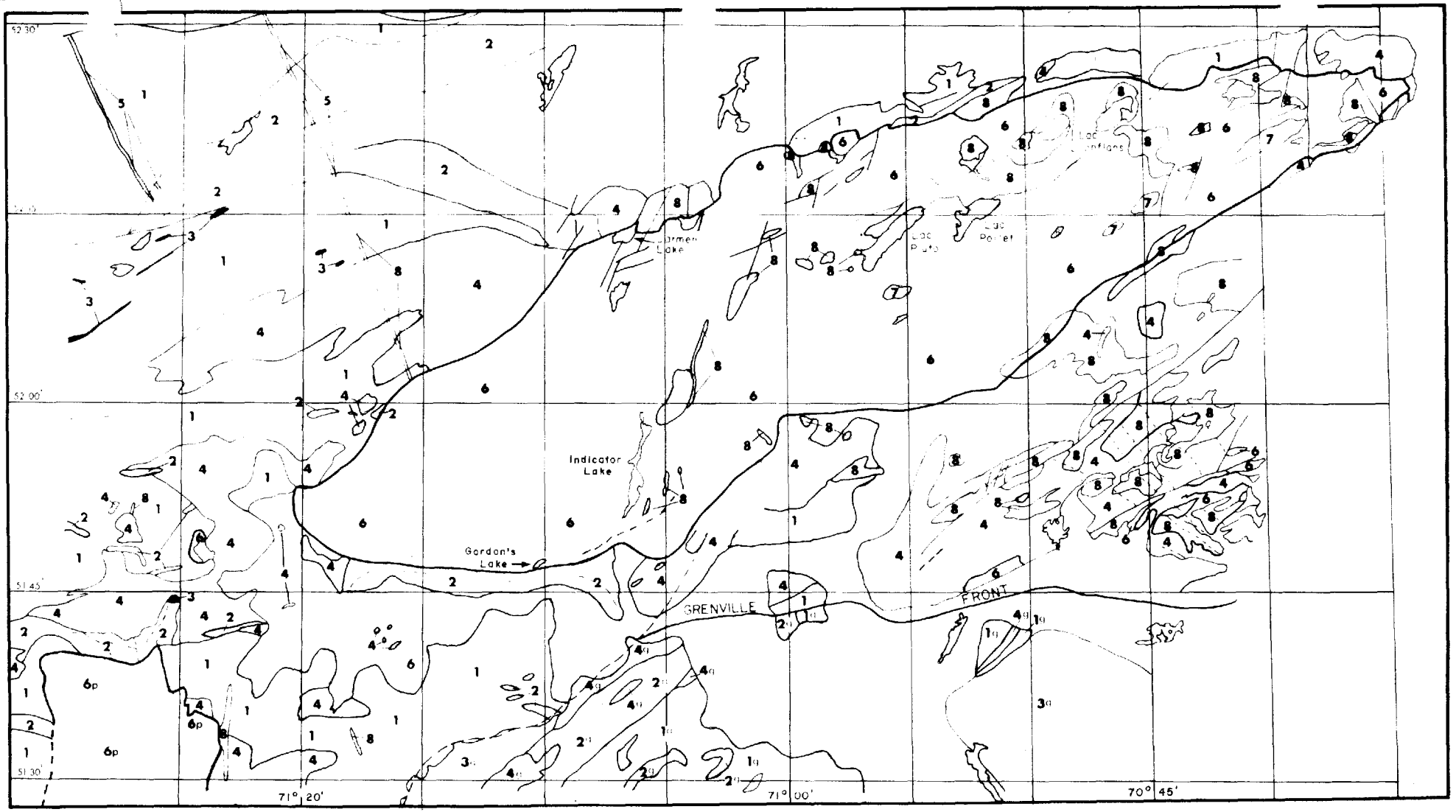
Metavolcano-sedimentary sequences outcrop as narrow east-west trending belts and as small inclusions in granite-gneiss complexes. The unit is composed of metamorphosed intermediate to basic tuffs, flows and fragmented volcanic rock, interlayered with sandstones, conglomerates and cherty Iron Formation, as well as pelitic and graphitic schists. Narrow sulfide-rich horizons have been intersected within this unit as well.

The granitic complex, typically coarse grained, equigranular, with quartz, K-feldspar and minor mafics is predominant over a large part of the basement. This unit is intrusive into all the above rock types, usually as concordant sills parallel to the gneissic foliation. Some of the granitic material appears to have been formed from the granitization of gneisses and migmatites.

NW-SE trending diabase dike swarms intrude all the above units.

The basement complex is unconformably overlain by fluvioterrestrial to marginal marine sediments of the Otish Group. The basal formation consists of a quartz pebble or polymictic conglomerate grading up to massive gritty arkises. These, in turn, grade into well laminated and crossbedded quartzites and arkoses (Indicator Formation). Conformably overlying these terrestrial sediments are dolomitic arkoses and sandstones, dolomites, and argillaceous sandstones of marginal marine origin, (Peribonca Formation). Partly uralitized and fresh olivine gabbro dikes and sills intrude both sedimentary and basement units (see Table 1/375).

The Grenville orogeny (900 m.y.) folded the two basins into broad gently plunging synclines. Thrust faulting and tight folding of the sediments along the southeastern margin is evident in both basins. The Grenville event also induced some retrograde metamorphism in certain Archean units.



LEGEND

SCALE = 1:800,000

0 10 20 30 40 km

QUATERNARY

GLACIAL DEPOSITS

PRECAMBRIAN

SUPERIOR PROVINCE

8 - OTISH MTS. GABBRO

OTISH GROUP

7 - PERIBONCA FM.

6 - INDICATOR FM.

MISTASSINI GROUP

6p - PAPASKWASATI FM.

UNCONFORMITY

5 - DIABASE DIKES

4 - GRANITE

3 - META-ULTRAMAFIC

2 - METAVOLCANIC-METASEDIMENTARY ROCKS

1 - GNEISS & MIGMATITE

GRENVILLE PROVINCE

4g - GRANITE

3g - ANORTHOSITE

2g - METAVOLCANICS

1g - GNEISS

FAULTS

STRUCTURAL TREND (Foliation, Fold Axis)

D.D.H. DIAMOND DRILL HOLE

GENERAL GEOLOGY

Fig. 3

File / Doss No 485

TABLE -I- Table of Formations.

CENOZOIC			RECENT + PLEISTOCENE	*River, lake, swamp deposits Till, sand + gravel.*
UNCONFORMITY				
PRECAMBRIAN	PROTEROZOIC	UPPER APHEBIAN (?)	OTISH MTS. GABBRO	*Dykes and sills of olivine gabbro, partly uralitic*
			INTRUSIVE CONTACT	
			OTISH GP / MISTASSINI GP	
			Temiscomie Fm.	*Iron Fm; chert, shale.*
			CONFORMABLE CONTACT	
			Peribonca Fm / *Albanel Fm* / *Cheno Fm*	*Arg. ss, dolomite, dolomite cemented arkose and sandstone*
			CONFORMABLE CONTACT	
			Indicator Fm / *Papaskwasati Fm*	*Qtz-pebble cong grading up to massive gritty arkoses + well laminated + cross-bedded quartzites + arkoses*
		UNCONFORMITY		
		LOWER APHEBIAN (?)	Diabase dyke	*NW-SE trending swarm, intrusive into all units below.*
			Granitic complex	*Granite + granodiorite, pegmatite intrusive into older rock (usually as sills), some granitization.*
			Metavolcanics and Metasediments	*Intermediate to basic tuffs, flows, fragmented volcanics; ss, cong, cherty Iron Fm, pelitic + graphitic schists, massive sulfides.*
	?	?	? — ? — ? — ? — ? — ?	
	ARCHEAN		*Migmatite, Gneiss Complex*	*Migmatite, qtz-feldspar gneiss, qtz-plag. biotite gneiss. cordierite, garnet)*

File/Doss. No. 395

In the Otish Area five fault and lineament trends have been recognized: (1) 070° to 090°, (2) 320° to 335°, (3) 025° to 030°, (4) 0° to 10° and (5) 050° to 060°. Subeconomic uranium mineralization which is tectonically controlled appears to be associated with the 070° to 090° system.

6. INVESTIGATIONS

Table 2 outlines the surveys completed in the Gordon's Lake Sub-project Area up to July 20, 1981 (see p. 8).

7. RESULTS

7.1 AIRBORNE INPUT EM

The airborne electromagnetic survey was flown during January, 1981 using a modified Shorts Skyvan (C-FQSL). Chibougamau, Quebec was used as the operating base.

Uncontrolled mosaics, constructed, from 1:69,6000 N.A.P.L. photographs and reproduced to a scale of 1:25,000, were used as the base maps. Flight recovery was accomplished by comparison of 35 mm continuous strip film with the mosaic in order to recover fiducial points (usually approx. 1270 m apart).

Terrain clearance was maintained as close to 122 m as possible, with the EM bird at approx. 48 m above ground. In areas of substantial topographic relief, the aircraft height exceeded 122 m for safety reasons. A recirculating flight path was used with a live spacing of 400 m.

Contour maps of channel one ppm were produced by the contractor upon our request. An attempt was made to remove obvious equipment noise from the data which may have proved misleading in contour form. A contour interval of 50 ppm was chosen to adequately depict conductor locations, and yet maintain a sufficient level above background noise.

The results of the Questor survey have been reported on separately.

TABLE 2 - OUTLINE OF COMPLETED SURVEYS

Type of Survey	Total	Contract	In House
Airborne Input EM	2053 line-km	Questor Surveys	
Linecutting - Témis River grid* - Tichégami South grid*	300 line-km 110 line-km	S. Gélinas & Assoc. Ltd.	
Magnetometer- Témis River grid* - Tichégami South grid*	221 line-km 98 line-km	S. Gélinas & Assoc. Ltd.	
VLF-EM - Témis River grid* - Tichégami South grid*	174 line-km 81 line-km	S. Gélinas & Assoc. Ltd.	
VEM - Témis River grid* - Tichégami South grid*	134 line-km 33.3 line-km	E. Gaucher sub-contracted by S. Gélinas & Assoc. Ltd.	
TURAM - Gordon's Lake grid*	33 line-km		*
HEM -Gordon's Lake grid*	15 line-km		*
Drilling -Gordon's Lake grid* January-April	10,121 feet (3084.9 m)	Bradley Bros.	
Geochemistry- Témis River grid* (i) Track Etch (ii) Helium (iii) Soil - Tichégami South grid* (i) Track Etch (ii) Soil	 341 samples 179 samples 529 samples 238 samples 241 samples		 * * * * *
Scintillometer Survey - @ 1.5 km^2/man-day and @ 300 m^2/man-day within Témis grid.	46 man-days		*
Mapping- within Témis River grid* and west of Témis River grid (to July 20, 1981)	55 man-days		*
Camp mobilization - during winter and summer	142 man-days		*

* See Fig. 3 for general location of grids.

7.2 GROUND GEOPHYSICAL SURVEYS

See separate reports.

7.3 DIAMOND DRILLING

The drilling program on the Gordon's Lake grid (see Fig. 3) recommenced at the end of January, 1981 and continued until mid-April, 1981. Two rigs, drilling BQ core, were contracted from Bradley Bros., Ltd., based in Noranda, P.Q. During this period, a total of 10,121 feet were drilled on the grid between lines 12+00E and 53+00E. Map 419, found at the end of this report, outlines the detailed drilling plan, including hole locations and directions (scale 1:5000; detailed scale 1:1000). The location of the drill holes in relation to claim boundaries is shown on Map 566.

The drilling was performed within the following claims:

374059 (5)
374060 (4 & 5)
374065 (5)
374066 (4)
374067 (4 & 5)
374069 (1 & 2)
374071 (4)

Appendix 2 contains the detailed geological logs of the drill holes.

The following table summarizes the drill hole locations, depths, drilling angles and drilling dates:

Table 3 - Diamond Drill Summary

1	2	3	4	5	6	7
D.D.H. No.	Location	Started/ Completed	Dip/ Azim.	Elev. (m)	Total Depth (m)	Claim No.
OM-13	53+00E 15+05N	30/08/80 05/09/80	-75^{o} 165^{o}	-7.68	261.5 (858')	374059 (5)
OM-13	53+00E 15+05N	28/01/81 29/01/81	-75^{o} 165^{o}	-7.68	280.4 (920')	374059 (5)
OM-14	54+00E 14+00N	31/01 2/02	-90^{o}	-0.1	114.3 (375')	374060 (5)

1	2	3	4	5	6	7
D.D.H. No.	Location	Started/ Completed	Dip./ Azim.	Elev. (m)	Total Depth (m)	Claim No.
OM-15	54+00E 13+90N	3/02 5/02	-90°	-0.4	98.5 (323')	374060 (5)
OM-16	54+00E 13+80N	6/02 8/02	-90°	-0.4	66.8 (219')	374060 (5)
OM-17	54+00E 14+10N	8/02 11/02	-90°	-0.9	122.5 (402')	374060 (5)
OM-18	53+00E 14+06N	13/02 14/02	-90°	10.24	49.4 (162')	374060 (5)
OM-19	54+52E 13+39N	15/02 17/02	-79° 345°	-1.4	97.8 (321')	374060 (4)
OM-20	24+00E 19+15N	19/02 20/02	-90°	0	20.7 (68')	374069 (1)
OM-21	24+00E 18+65N	22/02 24/02	-50° 345°	0.19	95.1 (312')	374069 (1)
OM-22	20+00E 17+40N	21/02 25/02	-90°	5.83	154.8 (508')	374067 (4)
OM-23	12+00E 17+50N	01/03/81 02/03/81	-90°	0.28	107.6 (353')	374065 (5)
OM-24	20+00E 17+20N	27/02/81 01/03/81	-90°	5.63	169.8 (557')	374067 (4)
OM-25	20+00E 17+30N	01/03/81 15/03/81	-90°	5.74	153.3 (503')	374067 (4)
OM-26	12+00E 17+50N	02/03/81 13/03/81	-82° 165°		71.0 (233')	374065 (5)
OM-27	20+00E 17+00N	17/03/81 19/03/81	-90°	5.25	145.4 (477')	374067 (4)
OM-28	28+00E 18+75N	21/03/81 24/03/81	-90°		148.4 (487')	374069 (2)
OM-29	28+00E 18+55N	24/03/81 26/03/81	-90°		108.8 (357')	374069 (2)
OM-30	16+00E 17+17N	15/03/81 20/03/81	-90°		157.6 (517')	374066 (4)

1	2	3	4	5	6	7
D.D.H. No.	Location	Started/ Completed	Dip./ Azim.	Elev. (m)	Total Depth (m)	Claim No.
OM-31	16+00E 16+97N	21/03/81 23/03/81	-90°		122.5 (402')	374066 (4)
OM-32	16+00E 17+37N	23/03/81 26/03/81	-90°		128.9 (423')	374066 (4)
OM-33	22+00E 17+75N	27/03/81 29/03/81	-90°		172.8 (567')	374069 (1)
OM-34	28+00E 18+35N	27/03/81 29/03/81	-90°		99.7 (327')	374069 (2)
OM-35	38+30E 14+50N	1/04/81 4/04/81	-90°		130.5 (428')	374071 (4)
OM-36	40+00E 13+90N	2/04/81 5/04/81	-90°		142.3 (467')	374071 (4)
OM-37	38+30E 14+60N	5/04/81 8/04/81	-90°		142.3 (467')	374071 (4)
OM-38	40+00E 13+70N	6/04/81 8/04/81	-90°		124.1 (407')	374071 (4)
OM-39	38+30E 14+40N	8/04/81 10/04/81	-90°		121.0 (397')	374071 (4)

OM-13 was deepened from 261.5 m (858') to 280.4 m (920'), intersecting mainly cherty metasediments. Approximately 20 cm of 50% sulfides (mostly pyrite) were encountered at 262 m. Sulfides persisted throughout in minute amounts as stringers and surrounding cherty clasts. In places, the chert was extensively brecciated and cemented with siliceous material. Numerous hairline fractures (45°-80° ca) persisted throughout the core, healed with what appears to be more feldspathic material. This tectonism seems to outline part of the E-W fault zone that was postulated in this area (L53+00E, 14+00N).

OM-14 intersected the unconformity at 68.6 m. Three conductive bands were intersected below - the first two being wider (10 m together) and having a shallower dip (50° ca)[1] than the third (6 m and 15° ca). All consisted of contorted graphite and massive to laminated pyrite (partly recrystallized).

1. 50° ca 50° to the core axis

OM-15 had an extensively altered and fractured basal sedimentary unit. Alteration included hematite, limonite, chlorite, pyrite, albite (?) and a spotty red-brown alteration.

OM-16 intersected the basement/sediment contact at 58.5 m. Underlying the contact are well laminated acid to intermediate tuffaceous units. No conductive material was intersected in this hole.

OM-17 intersected highly chloritized and pyritized sediments above the unconformity and similarly altered volcanics below the unconformity. No conductive bands were intersected in OM-17 and two possibilities exist for explaining this absence: (1) the conductor was cut off to the north by a series of reverse faults parallel to the major one that was intersected at the base of this hole or (2) OM-17 just missed the north limb of the conductor as the basement dip appears to steepen with depth (evidenced in numerous holes), possibly even reversing dip direction.

OM-18 was drilled along Section 53+00E to intersect the HEM conductor, south of the major reverse fault. A series of mm thin graphitic bands were intersected just below the unconformity (30 m depth) similar to those found in OM-2 and possibly enough to explain this weak conductor.

OM-19 on Section 54+50E was set up on the same location as OM-4 but with a steeper angle, thereby intersecting the unconformity 10 m further south. A broad zone of chloritization and albitization was found within the sediments.

OM-20 on Section 24+00E was the first hole drilled in the western area of the grid south of Gordon's Lake. Approximately 20 m of conductor was intersected at 10 m depth, consisting of banded graphite and pyrite with intervening sections of volcanic breccia and chert.

OM-21 was drilled 50 m south of OM-20 to intersect the entire conductor at depth and obtain stratigraphic information for this area. The conductor was intersected at depth, although much narrower and possibly displaced by a low angle reverse fault.

OM-22 on Section 20+00E, failed to intersect the conductor.

OM-24, 20 m to the south, encountered the conductive zone a few meters below the unconformity. It consisted of a central core of massive banded graphite with pyrite overlain by cherty pyritiferous exhalative volcanics with minor graphitic horizons and underlain by cherty pyritiferous exhalite with a few small massive pyrite sections.

OM-23 on Section 12 00E, intersected the conductor 5 m below the unconformity. It consisted of a 2.5 m section of banded massive graphite, partially hematized massive pyrite and a second section of graphite. The interesting aspect of this hole is the massive amounts of hematite within the conductor at the unconformity (regolith?) and even within the mafic volcanics below the conductor.

OM-25 was drilled in order to intersect the conductor at the unconformity (as determined from OM-24) on line 20+00E. No conductor was encountered in this hole.

OM-26 was an angle hole drilled to intersect the unconformity approximately 7 meters to the south of OM-23 on line 12+00E. The lowermost part of the basal conglomerate was highly hematized as in OM-25.

OM-27 was drilled 20 meters south of OM-24. Two small zones of graphite and sulfides were encountered in the basement below the unconformity.

OM-28 was drilled in order to intersect the basement conductor at the unconformity on line 28+00E. The conductor was not intersected, the basement consisting primarily of banded basic volcanics.

OM-29 was drilled 20 meters to the south of OM-28. The basement conductor was intersected at the unconformity and below the unconformity.

OM-30 was drilled in order to intersect the basement conductor at the unconformity on line 16+00E. The conductor was intersected at 3 meters below the unconformity, flanked on both sides by pyritiferous acid volcanics.

OM-31 was drilled 20 meters to the south of OM-30. Massive to well banded intermediate volcanics were encountered below the unconformity.

OM-32 was drilled 20 meters to the north of OM-30, intersecting primarily massive to well banded basic volcanics below the unconformity.

OM-33 was drilled on Section 22+00E in order to test a postulated NE-SW trending fault. This fault zone was confirmed as the hole went through the basement/sediment contact several times. Blocky core was extensive throughout the hole.

OM-34 was drilled 20 m south of OM-29 on Section 28+00E. Well banded intermediate volcanics were intersected below the unconformity.

OM-35 was drilled on Section 38+30E on the axis of the HEM conductor. It intersected a wide (extensively brecciated) graphite zone below the unconformity at 119.2 m. Drilling was forced to stop at 130.5 m because of blocky core. Two additional holes (OM-37, 39) were drilled to the north and south of OM-35 to determine if the brecciation was limited to the graphitic horizon. The data from these two holes suggest that brecciation may be related to a record NE-SW fault zone which crosses the conductor axis at OM-35.

OM-36 was drilled on Section 40+00E and intersected approx. 7 m of graphitic and cherty material at the unconformity (121.9 m). Well banded intermediate volcanics underlayed this zone.

OM-38 was drilled 20 m south of OM-36, intersecting a second narrow graphitic zone (1.5 m, approx.) 1.5 m below the unconformity (114.0 m)

7.4 GEOCHEMICAL SURVEYS

During June and July, 1981, a geochemical survey was performed across the Temis River grid and the Tichegami River South grid (see Fig. 3).

The work herein described was undertaken within the following claims:

Temis River Grid:

391227-1 to 5
391201-2 to 5
391202-1 to 5

391229-1 to 5
391230-1 to 5
391203-1 to 5
391231-1 to 5
391232-1 to 5
391204-1 to 5
391233-1 to 5
391234-1 to 5
391236-1 to 5
391205-1 to 5
391235-1 to 5
391206-1 to 5

391237-1 to 3
391207-2 to 5
391239-1 to 3
391209-3 to 5
391212-1 to 2
391210-3 to 5
391213-1 to 2
391211-3 to 5
391214-1 to 2
392805-1 to 5
392808-1 to 5
392886-1 to 5
392888-1 to 4
392804-1 to 5
392806-1 to 5
392807-1 to 5
392809-1 to 5

392810-1 to 5
392887-1 to 5
392820-5
392821-1 to 5
392823-1 to 5
392832-1 to 5
392831-1 to 5
392833-1 to 5
392834-1
392822-1 to 5
392944-1 to 5
392945-1 to 5
392946-1 to 5
392947-1 to 5
392954-1
392955-5
392956-1

392927-5
392928-1
392929-5
392942-1 to 5
392943-1 to 5
392835-3 to 5
392836-1
392838-4 to 5
392811-1 to 5
391228-1 to 5

Tichegami River South Grid:

391303	1 to 4	391171	1 to 5	392968	1 to 5
391302	1 to 4	391158	1 to 5	392969	1 to 2
391301	1 to 4	391157	1 to 5	392979	1 to 5
391300	5	391156	1 to 5	392980	1 to 5
391304	1 to 5	391155	2 to 5		
391161	1 to 5	391151	2 to 5		
391160	1 to 5	391150	1 to 5		
391159	1 to 5				

The survey was conducted in order to follow up the outlined conductors on the two grids. Sample sites were spaced at 50 m and 100 m along the axes of the conductors in order to test for anomalous concentrations of Ra, He and/or U along strike. A soil sample was taken at each site along the conductor axis for analysis of uranium. On the Temis River grid, "He in soil" samples were alternated with Track Etch cups along certain conductors. Other conductors were followed up with Track Etch cups only. On the Tichegami River South grid, Track Etch cups were used exclusively along with the soil samples.

At each sample site, a hole was dug usually between 30 cm and 50 cm and a soil sample was retrieved from either the A_1, A_2 or B horizon depending on soil development in the area. Attempts were made to sample either the A_1 horizon (organic zone of accumulation) or the B horizon (zone of illuviation) but poor soil development and lack of organics necessitated the sampling of the A_2 horizon at times - this not being a very favourable zone for elemental analysis. Samples were sent to Bondar-Clegg & Co. Ltd. in Ottawa for U analysis (fluorimetric method).

If helium analyses were required at that site, a second soil sample was taken, preferably from a silty or muddy sediment, and hermetically preserved by sealing it in an aluminum sample container provided by Chemical Projects Ltd. (Toronto). Air and soil temperature as well as air pressure were recorded at all sample sites. The samples were then shipped to Chemical Projects Ltd. for He analysis.

If the site was chosen for radon flux analysis, plastic "Track Etch" cups were inserted into the hole, open face down and weighted or braced in order to prevent them from turning over. A plastic garbage bag was then used to cover the hole and the sample site flagged for later retrieval. The cups will remain in the ground for approx. 4-6 weeks and will then be sent to Terradex Corp. (California) for analysis.

The following information was taken at all sample sites: sample number (same for soil and He sample), "Track Etch" number, scintillometer counts at sample site, date of installation and removal, station, topography, type of vegetation in area, soil horizon sampled, soil color, organic content, grain size and depth of hole. Sampling efficiency was approx. 15-19 sample sites per man-day.

The samples numbers and their locations are all plotted on the following maps attached to the end of this report. All are at a scale of 1:5,000. Sample data sheets are found in Appendix 3.

Table 4 - Geological and Geochemical Survey

File No.	Title
526	Geology & Geochemistry, Temis River Grid L10E-38W
527	" " " " " L40W-77W
531	" " " " " L79W-116W
532	" " " " " L118W-150W
533	Geology & Geochemistry, Tichegami River South Grid L0-42W
537	" " " " " " L42W-82W

The results of the geochemical survey are not available yet but will be forwarded as soon as they are received and statistically evaluated.

7.5 SCINTILLOMETER SURVEY

The scintillometer survey was undertaken during June and July of this year on various parts of the Gordon's Lake Sub-project Area (7185-03, see Fig. 2/3 (7190).

Each prospector carried a SAPHYMO-STEL SPP2-NF scintillometer with the sensor attached to a special extended handle in order to keep it closer to the ground. The survey density was, on the average, 1.5 km^2/man-day.

The results of the scintillometer survey, to date, are shown on Map 538.

The survey was performed within the following claims:

Temis River Grid:

391227-1 to 5
391201-2 to 5
391202-1 to 5

391229-1 to 5
391230-1 to 5
391203-1 to 5
391231-1 to 5
391232-1 to 5
391204-1 to 5
391233-1 to 5
391234-1 to 5
391236-1 to 5
391205-1 to 5
391235-1 to 5
391206-1 to 5

391237-1 to 3
391207-2 to 5
391239-1 to 3
391209-3 to 5
391212-1 to 2
391210-3 to 5
391213-1 to 2
391211-3 to 5
391214-1 to 2
392805-1 to 5
392808-1 to 5
392886-1 to 5
392888-1 to 4
392804-1 to 5
392806-1 to 5
392807-1 to 5
392809-1 to 5

392810-1 to 5
392887-1 to 5
392820-5
392821-1 to 5
392823-1 to 5
392832-1 to 5
392831-1 to 5
392833-1 to 5
392834-1
392822-1 to 5
392944-1 to 5
392945-1 to 5
392946-1 to 5
392947-1 to 5
392954-1
392955-5
392956-1

392927-5
392928-1
392929-5
392942-1 to 5
392943-1 to 5
392835-3 to 5
392836-1
392838-4 to 5
392811-1 to 5
391228-1 to 5

Tichegami River South Grid:

391303	1 to 4	391171	1 to 5	392968	1 to 5
391302	1 to 4	391158	1 to 5	392969	1 to 2
391301	1 to 4	391157	1 to 5	392979	1 to 5
391300	5	391156	1 to 5	392980	1 to 5
391304	1 to 5	391155	2 to 5		
391161	1 to 5	391151	2 to 5		
391160	1 to 5	391150	1 to 5		
391159	1 to 5				

Lac Hippocampe Area:

391677 (2)
391679 (4,5)
391680 (1,2)
391681 (3-5)
391682 (1-5)
391683 (1-5)
391684 (1-5)
391685 (1-5)
391686 (1,2)
391708 (1-5)
391730 (1-5)
391731 (1-5)

391732 (1,5)
391733 (4)
391734 (1-5)
392050 (5)
392051 (5)
392052 (5)
392053 (5)
392054 (5)
392055 (5)
392056 (5)
392057 (3-5)
392058 (3-5)
392059 (1-4)

392060 (1-4)
392061 (1-4)
392062 (1-5)
392063 (1-5)
392064 (1-5)
392065 (1-5)
392066 (1-5)
392067 (1-5)
392072 (3-5)
392073 (3-5)
392074 (1-5)
392075 (1-5)
392076 (3-5)

Lac Hippocampe Area: (contd.)

392077 (3-5)
392078 (5)
392079 (5)
392080 (1-5)
392081 (1-5)
392082 (1-5)
392083 (1-5)
392084 (1-5)
392086 (1)
392087 (3-5)
392088 (2-4)
392089 (1-4)
392090 (1-4)
392091 (3-5)
392092 (3-5)

392824 (1-4)
392825 (1-4)
392826 (1-4)
392857 (2-5)
392858 (1-4)
392859 (4,5)
392860 (1,2,5)
392861 (1)

Rivière Kapaquatche Area

393002 (1-5)
393035 (1-5)
393036 (1)
393043 (1)
393044 (5)
393045 (1-5)
393046 (1)
393089 (1)
393092 (3,4)
393096 (1,2)
393099 (4)
393116 (1)
393117 (1)
393127 (3,4)
393130 (4,5)
393143 (3,4)
393159 (3,4)
393162 (4,5)
393176 (3)
394376 (1-4)
394377 (1-5)
394378 (1-5)
394379 (1-5)
394380 (1-5)
394381 (1-4)
394382 (1-5)
394383 (1-3)
394384 (3-5)
394385 (1-4)
394386 (2-5)
394387 (1-3)
394388 (1-5)
394389 (1)
394390 (3-5)
394391 (1-5)
394392 (1-5)
394393 (1-3)
394394 (1-5)
394395 (3-5)
394396 (3-5)
394397 (1-4)
394398 (1-4)

The most significant find to date was a small rounded chloritized sandstone boulder that gave 4000 c/s (SPP-2NF). It was found approx. 4.5 km east of Lac Hippocampe and measured 15 cm x 7 cm x 10 cm (Map 538). A field check with an EDA (Model GRS 500) differential spectrometer indicated it to be a uranium anomaly. Prospecting in the immediate vicinity did not turn up any additional boulders of similar lithology. Due to its size and roundness, the source is believed to be several kilometers to the northeast along ice direction. No assay values are available at this date.

A second boulder, found within the Temis River grid, approx. 4.5 km west of Temis River (Map 538) gave max. counts of 3100 c/s (in situ, SPP2-NF). It measured 1 m x 0.5 m x 0.5 m and was subrounded. The high counts within this coarse grained pebbly subarkose were associated with limonite alteration.

It is situated on hummocky moraine and a field check with the EDA instrument indicated it to be a uranium anomaly as well although it was not possible to sample for chemical assay. Numerous high count boulders in the vicinity (usually between 1000-1500 c/s) composed of a green quartz pebble conglomerate were also checked with the EDA instrument but were found to be Th anomalies.

Thirteen boulders from various areas within the claim block were sent to Bondar-Clegg & Co. Ltd. for U_3O_8 and ThO_2 analysis. (A 32-element semi-quantitative analysis of the chloritized sandstone boulder was also requested). At present, no results are available but they will be forwarded as soon as they are received at our office.

7.6 GEOLOGICAL MAPPING

Detailed geological traverses were undertaken on the Temis River grid in order to better define the contact between the undeformed Proterozoic Indicator Formation sediments and the Archean metavolcanic-metasedimentary fold belt to the south and to investigate the fold belt in greater detail (see Fig. 3/539). In addition, a regional traverse was completed on the south western extremity of the claim block. A few regional traverses across the Tichegami River South grid were done as well although only one possible outcrop of sandstone was found (see Map 533).

The survey was done within the following claims:

Temis River Grid:

	391237-1 to 3	392810-1 to 5	392927-5
391227-1 to 5	391207-2 to 5	392887-1 to 5	392928-1
391201-2 to 5	391239-1 to 3	392820-5	392929-5
391202-1 to 5	391209-3 to 5	392821-1 to 5	392942-1 to 5
	391212-1 to 2	392823-1 to 5	392943-1 to 5
391229-1 to 5	391210-3 to 5	392832-1 to 5	392835-3 to 5
391230-1 to 5	391213-1 to 2	392831-1 to 5	392836-1
391203-1 to 5	391211-3 to 5	392833-1 to 5	392838-4 to 5
391231-1 to 5	391214-1 to 2	392834-1	392811-1 to 5
391232-1 to 5	392805-1 to 5	392822-1 to 5	391228-1 to 5
391204-1 to 5	392808-1 to 5	392944-1 to 5	
391233-1 to 5	392886-1 to 5	392945-1 to 5	
391234-1 to 5	392888-1 to 4	392946-1 to 5	
391236-1 to 5	392804-1 to 5	392947-1 to 5	
391205-1 to 5	392806-1 to 5	392954-1	
391235-1 to 5	392807-1 to 5	392955-5	
391206-1 to 5	392809-1 to 5	392956-1	

Tichegami River South Grid:

391303 (1-4)	391160 (1-5)	391155 (2-5)	392980 (1-5)
391302 (1-4)	391159 (1-5)	391151 (2-5)	
391301 (1-4)	391171 (1-5)	391150 (1-5)	
391300 (5)	391158 (1-5)	392968 (1-5)	
391304 (1-5)	391157 (1-5)	392969 (1-2)	
391161 (1-5)	391156 (1-5)	392979 (1-5)	

Rivière Kapaquatche Area:

392824 (1-4)	392858 (1-4)
392825 (1-4)	392859 (4,5)
392826 (1-4)	392860 (1,2,5)
392857 (2-5)	392861 (1)

Preliminary geological maps of the Temis River grid showing outcrop locations and descriptions can be found in the map pockets at the end of this report (Maps 526, 532).
Photo-lineaments have been plotted on these grid maps as well.

Volcanic outcrops in the western third of the Temis grid appear to be predominantly massive to flow-banded (with possibly some boudinaged pillow structures) fine to medium grained metabasalts, meta-andesites, metagabbros and occasionally coarse grained dark green amphibolites. Directions, aside from the flow directions, are very difficult to obtain. Weathered surfaces often accentuate this flow-banding. Trace pyrite and rarely blebs of pyrrhotite are discernable in the more mafic volcanics (particularly the amphibolites).

The middle and eastern portion of the grid are dominated by more tuffaceous units of andesitic composition (dacitic?) although rhyolite and basalt tuffs have been identified as well. Foliation trends are usually between 070° and 095°, dipping vertically or near vertically. Trace sulfides are found within these units, often as a fine-grained smearing on cleavage surfaces. One outcrop of particular interest, located at L24W, 5+00N (Map 526), consisted of a chlorite schist and a well laminated light and dark green soft metasediment containing magnetite rich cherty lenses and massive magnetite lenses. The outcrop displays extensive recumbant folding and appears to be plunging towards the ENE. If this unit persists throughout the entire metavolcanic fold belt, it might explain many of the magnetic anomalies outlined in the area.

Approximately 2.5 km west of the Toco River (Map 538), a very large angular boulder of finely laminated cherty Iron Formation was found near the axis of a magnetic anomaly. This boulder, whose origin is probably very close by, in similar to the cherty Iron Formation outlined on the Gordon's Lake grid last year - 28 km to the east. It would appear, thus, that this unit is quite persistant along the entire metavolcanic fold belt. Going west towards the granite outcrop, whose contact with the metavolcanics is fault-bounded along Rivière Kapaquatche, the foliation in the metavolcanics changes from a general E-W direction to a more NE-SW direction (040°). Tuffaceous and massive volcanic units are interlayered here.

Outcrops of Indicator Formation sediments consisted of a basal quartz pebble conglomerate with a bright green sericitic matrix overlain by massive pebbly subarkose and quartzite. Bedding strikes between 092° and 120°, dipping northerly at between 6° and 14°. Curved airphoto lineaments within the sediments might indicate shallow synclinal structure plunging gently to the north and northeast.

8. CONCLUSIONS

The Questor airborne Input EM survey outlined numerous conductors where expected (Temis River Area) and others that were not expected (Tichegami River South Area). Ground geophysical surveys were used to follow up the airborne anomalies in order to define them more precisely and to determine their depths and lateral continuity.

The geological mapping survey along with airphoto interpretation was undertaken in order to precisely define the unconformity between the metavolcanic fold belt and the sedimentary cover rock as well as to get a better understanding of the metavolcanics and metasediments themselves.

The drilling program of last winter outlined the conductor to be continuous to at least the western end of the Gordon's Lake grid although it also showed that the geology of the area is far more complex than had been earlier anticipated, particularly when drilling near a fault-bounded contact or when drilling the cross-cutting structures.

Prospecting in various areas of the Gordon's Lake Sub-project did manage to outline at least two significant mineralized boulders, one extensively chloritized and a second, moderately limonitized.

These might indicate a source either within the basin or they might be representative of epigenetic mineralization from a second source at depth.

Zoran Madon.

Zoran Madon

APPENDIX 1

LIST OF UEM LAND HOLDINGS

GORDON'S LAKE SUBPROJECT AREA (7185-03)

PROJECT NO. 71-85

GORDON'S LAKE / WEST BLOCK

Claim No.	Township	Staked On
347690 (1-5)	2034	August 25, 1974
347691 (1-5)	2034	August 27, 1974
347692 (1-5)	2034	August 24, 1974
347693 (1)	2034	August 26, 1974
374036 (1-5)	2035	August 11, 1978
374037 (1-5)	2035	August 12, 1978
374038 (1-5)	2035	August 13, 1978
374039 (1-5)	2035	August 14, 1978
374040 (1-5)	2035	August 15, 1978
374041 (1-5)	2035	August 16, 1978
374042 (1-5)	2035	August 17, 1978
374043 (1-5)	2035	August 18, 1978
374044 (1-5)	2035	August 10, 1978
374045 (1-4)	2035	August 11, 1978
374046 (1-5)	2035	August 12, 1978
374047 (1-5)	2035	August 13, 1978
374048 (1-5)	2035	August 14, 1978
374049 (1-5)	2035	August 15, 1978
374050 (1-5)	2035	August 16, 1978
374051 (1-5)	2035	August 17, 1978
374052 (1-5)	2035	August 18, 1978
374053 (1-5)	2035	August 10, 1978
374054 (1-5)	2035	August 11, 1978
374055 (1-5)	2035	August 12, 1978
374056 (1-5)	2035	August 13, 1978
374057 (1-5)	2035	August 14, 1978
374058 (1-5)	2035	August 15, 1978
374059 (1-5)	2035	August 16, 1978
374060 (1-5)	2035	August 17, 1978

GORDON'S LAKE WEST

Claim No.	Township	Date of Record
374061 (1-5)	2035	August 20, 1978
374062 (1-5)	2035	August 10, 1978
374063 (1-5)	2035	August 11, 1978
374064 (1-2)	2035	August 12, 1978
374065 (1-5)	2034	August 20, 1978
374066 (2-5)	2034	August 21, 1978
374067 (2-5)	2034	August 22, 1978
374068 (1-5)	2034	August 23, 1978
374069 (1-5)	2034	August 24, 1978
374070 (1-3)	2034	August 25, 1978
(4-5)	2035	August 25, 1978
374071 (1-5)	2035	August 26, 1978
381093 (1)	2034	August 3, 1979
(2-3)	2035	" "
(4-5)	2035	January 27, 1980
381094 (1)	2034	August 2, 1979
(2-3)	2035	" "
(4-5)	2035	January 27, 1980
381096 (1)	2034	August 1, 1979
(2-3)	2035	" "
(4-5)	2035	January 27, 1980
383958 (1,3-5)	2035	January 27, 1980
(2)	2034	January 27, 1980
383961 (1)	2035	January 27, 1980
(2&3)	2034	January 27, 1980
385055 (1-5)	2035	October 3, 1979
385056 (1-5)	2035	October 4, 1979
385057 (1-5)	2035	October 5, 1979
385058 (1-5)	2035	October 6, 1979
385059 (1-5)	2035	October 7, 1979
385060 (1-3)	2035	October 8, 1979
(4&5)	2035	October 9, 1979
385062 (1-5)	2035	October 3, 1979
385063 (1-5)	2035	October 4, 1979
385064 (1-5)	2035	October 5, 1979
385065 (1-5)	2035	October 6, 1979

GORDON'S LAKE WEST (contd.)

Claim No.	Township	Date of Record
385516 (1-5)	2035	8 July 1980
385517 (1-5)	2035	9 July 1980
385518 (1-3)	2035	10 July 1980

March 5, 1981

PROJECT 71-85

UEM LAND HOLDINGS IN GORDON'S LAKE AREA

Claim No.	Township	Date of Record	No. of Claims
385486 (1-5)	2035	24 July 1980	5
385487 (1-5)	2035	25 July 1980	5
385488 (1-5)	2035	26 July 1980	5
385489 (1-5)	2035	27 July 1980	5
385490 (1-5)	2035	28 July 1980	5
385686 (1)	2035	29 July 1980	1
385696 (1-5)	2034	23 July 1980	5
385697 (1-5)	2034	24 July 1980	5
385698 (1-5)	2034	25 July 1980	5
385699 (1-5)	2034	26 July 1980	5
386733 (1-5)	2035	23 July 1980	5
386734 (1-5)	2035	24 July 1980	5
386735 (1-5)	2035	25 July 1980	5
386736 (1-5)	2035	26 July 1980	5
386737 (1-5)	2035	27 July 1980	5
386738 (1-5)	2035	28 July 1980	5
386739 (1-5)	2035	29 July 1980	5
386740 (1-5)	2035	30 July 1980	5
386741 (1-5)	2035	31 July 1980	5
386742 (1-2)	2035	1 August 1980	2
(3-5)	2034	1 August 1980	3
386743 (1-4)	2034	2 August 1980	4
(5)	2035	2 August 1980	1

Claim No.	Township	Date of Record	No. of Claims
386748 (1-5)	2034	23 July 1980	5
386749 (1-2)	2034	24 July 1980	2
(3-5)	2035	24 July 1980	3
386750 (1-5)	2035	25 July 1980	5
386751 (1-5)	2035	26 July 1980	5
386752 (1-5)	2035	27 July 1980	5
386753 (1-5)	2035	28 July 1980	5
386754 (1-5)	2035	29 July 1980	5
386755 (1-5)	2035	30 July 1980	5
386756 (1-5)	2035	31 July 1980	5
386757 (1-5)	2035	1 August 1980	5
386758 (1-5)	2035	2 August 1980	5
386759 (1-5)	2035	3 August 1980	5
386760 (1-5)	2035	4 August 1980	5
386761 (1-5)	2035	5 August 1980	5
391150 (3-5)	2133	31 January 1981	3
391151 (1-5)	2133	1 February 1981	5
391152 (1-5)	2035	29 October 1980	5
391153 (1-5)	2035	22 & 30 October 1980	5
391154 (1-3)	2035	30 October 1980	3
391155 (1-5)	2133	2 February 1981	5
391156 (1-5)	2133	3 February 1981	5
391157 (1-5)	2133	4 February 1981	5
391158 (1-5)	2133	5 February 1981	5
391159 (1-5)	2133	6 February 1981	5
391160 (1-5)	2133	7 February 1981	5

Claim No.	Township	Date of Record	No. of Claims
391161 (1-5)	2133	8 February 1981	5
391171 (1-5)	2133	9 February 1981	5
391175 (1-5)	2033	27 July 1980	5
391176 (1-5)	2033	28 July 1980	5
391177 (1-5)	2033	28 July 1980	5
391178 (1-5)	2033	30 July 1980	5
391179 (1-5)	2033	31 July 1980	5
391180 (1-5)	2033	1 August 1980	5
391181 (1-5)	2033	2 August 1980	5
391182 (1-2)	2033	3 August 1980	2
391200 (1-5)	2034	27 July 1980	5
391201 (1-5)	2034	28 July 1980	5
391202 (1-5)	2034	29 July 1980	5
391203 (1-5)	2034	30 July 1980	5
391204 (1-5)	2034	31 July 1980	5
391205 (1-5)	2034	1 August 1980	5
391206 (1-5)	2034	2 August 1980	5
391207 (1-5)	2034	3 August 1980	5
391208 (1-5)	2034	4 August 1980	5
391209 (1-5)	2034	5 August 1980	5
391210 (1-5)	2034	6 August 1980	5
391211 (1-5)	2034	7 August 1980	5
391212 (1-5)	2034	8 August 1980	5
391213 (1-3)	2034	9 August 1980	3

Claim No.	Township	Date of Record	No. of Claims
391214 (1-4)	2034	10 August 1980	4
391215 (1-5)	2033	11 August 1980	5
391216 (1-5)	2033	12 August 1980	5
391217 (1-5)	2033	13 August 1980	5
391225 (1-5)	2034	27 July 1980	5
391226 (1-5)	2034	28 July 1980	5
391227 (1-5)	2034	29 July 1980	5
391228 (1-5)	2034	30 July 1980	5
391229 (1-5)	2034	31 July 1980	5
391230 (1-5)	2034	1 August 1980	5
391231 (1-5)	2034	2 August 1980	5
391232 (1-5)	2034	3 August 1980	5
391233 (1-5)	2034	4 August 1980	5
391234 (1-5)	2034	5 August 1980	5
391235 (1-5)	2034	6 August 1980	5
391236 (1-5)	2034	7 August 1980	5
391237 (1-5)	2034	8 August 1980	5
391238 (1-5)	2034	9 August 1980	5
391239 (1-5)	2034	10 August 1980	5
391240 (1-5)	2034	11 August 1980	5
391241 (1-5)	2034	12 August 1980	5
391242 (1-5)	2034	13 August 1980	5
391250 (1-5)	2034	27 July 1980	5
391251 (1-5)	2034	28 July 1980	5
391252 (1-5)	2034	29 July 1980	5
391253 (1-5)	2034	30 July 1980	5

Claim No.	Township	Date of Record	No. of Claims
391254 (1-5)	2033	31 July 1980	5
391255 (1-5)	2033	1 August 1980	5
391256 (1-5)	2033	2 August 1980	5
391258 (1-5)	2033	4 August 1980	5
391259 (1-5)	2033	5 August 1980	5
391260 (1-5)	2033	6 August 1980	5
391261 (1-5)	2033	7 August 1980	5
391262 (1-5)	2033	8 August 1980	5
391263 (1-5)	2033	9 August 1980	5
391264 (4-5)	2033	10 August 1980	2
391265 (1-5)	2033	11 August 1980	5
391266 (1-5)	2033	12 August 1980	5
391267 (1-5)	2033	13 August 1980	5
391275 (1-2)	2034	27 July 1980	2
391276 (1-2)	2034	28 July 1980	2
391277 (1-2)	2034	29 July 1980	2
391278 (1-2)	2034	30 July 1980	2
391279 (1-2)	2034	31 July 1980	2
(4)	2033	7 August 1980	1
391280 (1-2)	2034	1 August 1980	2
(3-4)	2033	7 August 1980	2
391281 (1-2)	2034	2 August 1980	2
(3-4)	2033	8 August 1980	2
391282 (1-2)	2034	3 August 1980	2
(3-4)	2033	8 August 1980	2
391283 (1-4)	2033	10 August 1980	4
391284 (1-5)	2033	12 August 1980	5
391285 (1-5)	2033	13 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
391300 (5)	2133	6 February 1981	1
391301 (1-4)	2133	2 February 1981	4
(5)	2132 & 2133	2 February 1981	1
391302 (1-4)	2133	3 February 1981	4
(5)	2132 & 2133	3 February 1981	1
391303 (1-4)	2133	4 February 1981	4
(5)	2132 & 2133	4 February 1981	1
391304 (1-5)	2133	5 February 1981	5
391306 (1-4)	2132	6 February 1981	4
(5)	2132 & 2133	6 February 1981	1
391307 (1-5)	2135	23 October 1980	5
391308 (1-5)	2135	24 October 1980	5
391309 (1-5)	2135	25 October 1980	5
391310 (1-5)	2135	26 October 1980	5
391311 (1-3)	2135	27 October 1980	3
391604 (1-5)	2033	21 August 1980	5
391605 (1)	2033 & 2133	22 August 1980	1
(2-5)	2033	22 August 1980	4
391606 (1-5)	2033	15 August 1980	5
391607 (1-5)	2033	16 August 1980	5
391608 (1-5)	2033	17 August 1980	5
391609 (1-5)	2033	18 August 1980	5
391610 (1-5)	2033	15 August 1980	5
391611 (1-5)	2033	16 August 1980	5
391612 (1-5)	2033	17 August 1980	5
391613 (1-5)	2033	18 August 1980	5
391614 (1-5)	2033	15 August 1980	5
391615 (1-5)	2033	16 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
391616 (1-5)	2033	17 August 1980	5
391617 (1-5)	2033	18 August 1980	5
391618 (1-5)	2035	24 August 1980	5
391619 (1-5)	2035	25 August 1980	5
391620 (1-5)	2035	26 August 1980	5
391621 (1-5)	2035	27 August 1980	5
391637 (1-5)	2035	14 August 1980	5
391638 (1-5)	2035	15 August 1980	5
391639 (1-4)	2035	16 August 1980	4
391673 (1-5)	2133	17 August 1980	5
391674 (1-5)	2133	17 & 18 August 1980	5
391675 (1-5)	2133	18 & 19 August 1980	5
391676 (1-5)	2133	19 August 1980	5
391677 (1-5)	2133	19 & 20 August 1980	5
391678 (1-5)	2133	20 & 21 August 1980	5
391679 (1-5)	2133	21 August 1980	5
391680 (1-5)	2133	22 August 1980	5
391681 (1-5)	2133	22 & 23 August 1980	5
391682 (1-5)	2133	23 & 24 August 1980	5
391683 (1-5)	2133	24 August 1980	5
391684 (1-5)	2033 & 2133	24 & 25 August 1980	5
391685 (1)	2033 & 2133	17 August 1980	1
(2-5)	2033	17 August 1980	4
391686 (1-2)	2033	17 August 1980	2
391702 (1-5)	2133	24 August 1980	5
391703 (1-5)	2133	25 August 1980	5
391704 (1-5)	2133	26 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
391705 (1-5)	2133	27 August 1980	5
391706 (1-5)	2133	28 August 1980	5
391707 (1-5)	2133	29 August 1980	5
391708 (1-5)	2133	30 August 1980	5
391729 (1-5)	2133	21 August 1980	5
391730 (1-5)	2133	22 August 1980	5
391731 (1-4)	2033 & 2133	23 August 1980	4
(5)	2133	23 August 1980	1
391732 (1-5)	2033 & 2133	24 August 1980	5
391733 (1-4)	2033	25 August 1980	4
(5)	2033 & 2133	25 August 1980	1
391734 (1-5)	2033	26 August 1980	5
391748 (1-5)	2133	21 August 1980	5
391749 (1-5)	2133	22 August 1980	5
391750 (1-5)	2133	23 August 1980	5
391751 (1-5)	2133	24 August 1980	5
391752 (1-5)	2133	25 August 1980	5
391753 (1-5)	2133	26 August 1980	5
391754 (1-5)	2133	27 August 1980	5
392050 (1)	2034	24 August 1980	1
(2)	2034 & 2134	24 August 1980	1
(3-5)	2134	24 August 1980	3
392051 (1)	2034	25 August 1980	1
(2)	2034 & 2134	25 August 1980	1
(3-5)	2134	25 August 1980	3
392052 (1)	2034	26 August 1980	1
(2)	2034 & 2134	26 August 1980	1
(3-5)	2134	26 August 1980	3

Claim No.	Township	Date of Record	No. of Claims
392053 (1)	2034	27 August 1980	1
(2)	2034 & 2134	27 August 1980	1
(3-5)	2134	27 August 1980	3
392054 (1)	2034	28 August 1980	1
(2)	2034 & 2134	28 August 1980	1
(3-5)	2134	28 August 1980	3
392055 (1)	2034	29 August 1980	1
(2)	2034 & 2134	29 August 1980	1
(3-5)	2134	29 August 1980	3
392056 (1)	2034	30 August 1980	1
(2)	2034 & 2134	30 August 1980	1
(3-5)	2134	30 August 1980	3
392057 (1)	2034	31 August 1980	1
(2)	2034 & 2134	31 August 1980	1
(3-5)	2134	31 August 1980	3
392058 (1)	2034	1 September 1980	1
(2)	2034 & 2134	1 September 1980	1
(3-5)	2134	1 September 1980	3
392059 (1-5)	2134	2 September 1980	5
392060 (1-5)	2134	3 September 1980	5
392061 (1-5)	2134	4 September 1980	5
392062 (1)	2034	24 August 1980	1
(2-5)	2134	24 August 1980	4
392063 (1)	2034	25 August 1980	1
(2-5)	2134	25 August 1980	4
392064 (1)	2034	26 August 1980	1
(2-5)	2134	26 August 1980	4
392065 (1)	2034	27 August 1980	1
(2-5)	2134	27 August 1980	4
392066 (1)	2034	28 August 1980	1
(2-5)	2134	28 August 1980	4
392067 (1)	2034	29 August 1980	1
(2-5)	2134	29 August 1980	4
392068 (1-5)	2134	30 August 1980	5
392069 (1-5)	2134	31 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
392070 (1-5)	2134	1 September 1980	5
392071 (1-5)	2134	2 September 1980	5
392072 (1-5)	2134	3 September 1980	5
392073 (1-5)	2134	4 September 1980	5
392074 (1)	2034	24 August 1980	1
(2)	2034 & 2134	24 August 1980	1
(3-5)	2134	24 August 1980	3
392075 (1)	2034	25 August 1980	1
(2)	2034 & 2134	25 August 1980	1
(3-5)	2134	25 August 1980	3
392076 (1)	2034	26 August 1980	1
(2)	2034 & 2134	26 August 1980	1
(3-5)	2134	26 August 1980	3
392077 (1)	2034	27 August 1980	1
(2)	2034 & 2134	27 August 1980	1
(3-5)	2134	27 August 1980	3
392078 (1)	2034	28 August 1980	1
(2)	2034 & 2134	28 August 1980	1
(3-5)	2134	28 August 1980	3
392079 (1)	2034	29 August 1980	1
(2)	2034 & 2134	29 August 1980	1
(3-5)	2134	29 August 1980	3
392080 (1-5)	2134	30 August 1980	5
392081 (1-5)	2134	31 August 1980	5
392082 (1-5)	2134	1 September 1980	5
392083 (1-5)	2134	2 September 1980	5
392084 (1-5)	2134	3 September 1980	5
392085 (1-5)	2134	30 August 1980	5
392086 (1-3)	2134	30 August 1980	3
392087 (1)	2034	1 September 1980	1
(2)	2034 & 2134	1 September 1980	1
(3-5)	2134	1 September 1980	3
392088 (1-5)	2134	2 September 1980	5

Claim No.	Township	Date of Record	No. of Claims
392089 (1-5)	2134	3 September 1980	5
392090 (1-5)	2134	4 September 1980	5
392091 (1)	2034	5 September 1980	1
(2)	2034 & 2134	5 September 1980	1
(3-5)	2134	5 September 1980	3
392092 (1)	2034	6 September 1980	1
(2)	2034 & 2134	6 September 1980	1
(3-5)	2134	6 September 1980	3
392483 (1-5)	2034	30 July 1980	5
392484 (1-5)	2034	30 & 31 July 1980	5
392485 (1-5)	2034	31 July & 1 Aug., 1980	5
392486 (1-5)	2034	1 & 2 August 1980	5
392487 (1-5)	2034	2 & 3 August 1980	5
392488 (1-5)	2034	3 August 1980	5
392489 (1-5)	2034	4 August 1980	5
392497 (1)	2034	20 August 1980	1
(2-5)	2134	20 August 1980	4
392498 (1)	2034	21 August 1980	1
(2-5)	2134	21 August 1980	4
392499 (1)	2034	22 August 1980	1
(2-5)	2134	22 August 1980	4
392704 (1-5)	2034	27 July 1980	5
392705 (1-5)	2034	28 July 1980	5
392706 (1-5)	2034	29 July 1980	5
392707 (1)	2034	30 July 1980	1
392796 (1-2)	2033	29 July 1980	2
(3)	2033 & 2034	29 July 1980	1
(4-5)	2034	29 July 1980	2
392797 (1-5)	2034	29 & 30 July 1980	5
392798 (1-3)	2034	30 July 1980	3
(4)	2033 & 2034	30 July 1980	1
(5)	2033	31 July 1980	1

Claim No.	Township	Date of Record	No. of Claims
392799 (1-3)	2033	31 July 1980	3
(4)	2033 & 2034	31 July 1980	1
(5)	2034	31 July 1980	1
392800 (1-5)	2034	31 July & 1 August 1980	5
392801 (1-4)	2034	1 & 2 August 1980	4
(5)	2033 & 2034	2 August 1980	1
392802 (1-4)	2033	2 August 1980	4
(5)	2033 & 2034	2 August 1980	1
392803 (1-5)	2034	3 August 1980	5
392804 (1-5)	2034	4 August 1980	5
392805 (1-5)	2034	4 & 5 August 1980	5
392806 (1-5)	2034	5 & 6 August 1980	5
392807 (1-5)	2034	6 August 1980	5
392808 (1-5)	2034	6 & 7 August 1980	5
392809 (1-5)	2034	7 & 8 August 1980	5
392810 (1-5)	2034	8 August 1980	5
392811 (1-5)	2034	9 August 1980	5
392812 (1-5)	2034	10 August 1980	5
392813 (1-5)	2034	10 & 11 August 1980	5
392814 (1-5)	2034	11 & 12 August 1980	5
392815 (1-5)	2035	13 August 1980	5
392816 (1-2)	2033	29 July 1980	2
(3)	2033 & 2034	29 July 1980	1
(4-5)	2034	29 July 1980	2
392817 (1-5)	2034	29 & 30 July 1980	5
392818 (1-3)	2034	30 July 1980	3
(4)	2033 & 2034	30 July 1980	1
(5)	2033	31 July 1980	1
392819 (1-3)	2033	31 July 1980	3
(4)	2033 & 2034	31 July 1980	1
(5)	2034	31 July 1980	1
392820 (1-5)	2034	31 July & 1 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
392821 (1-4)	2034	1 & 2 August 1980	4
(5)	2033 & 2034	2 August 1980	1
392822 (1-4)	2033	2 August 1980	4
(5)	2033 & 2034	2 August 1980	1
392823 (1-5)	2034	3 August 1980	5
392824 (1-5)	2033	4 August 1980	5
392825 (1-5)	2033	5 August 1980	5
392826 (1-5)	2033	6 August 1980	5
392827 (1-5)	2034	7 August 1980	5
392828 (1-5)	2034	7 & 8 August 1980	5
392829 (1-5)	2034	8 & 9 August 1980	5
392830 (1-5)	2034	9 August 1980	5
392831 (1-2)	2033	29 July 1980	2
(3)	2033 & 2034	29 July 1980	1
(4-5)	2034	29 July 1980	2
392832 (1-5)	2034	29 & 30 July 1980	5
392833 (1-3)	2034	30 July 1980	3
(4)	2033 & 2034	30 July 1980	1
(5)	2033	31 July 1980	1
392834 (1-3)	2033	31 July 1980	3
(4)	2033 & 2034	31 July 1980	1
(5)	2034	31 July 1980	1
392835 (1-5)	2034	31 July & 1 August 1980	5
392836 (1-4)	2034	1 & 2 August 1980	4
(5)	2033 & 2034	2 August 1980	1
392837 (1-4)	2033	2 August 1980	4
(5)	2033 & 2034	2 August 1980	1
392838 (1-5)	2034	3 August 1980	5
392839 (1-5)	2035	11 August 1980	5
392840 (1-5)	2035	12 August 1980	5
392841 (1-5)	2035	13 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
392842 (1-5)	2035	14 August 1980	5
392843 (1-5)	2035	15 August 1980	5
392844 (1-5)	2035	16 August 1980	5
392845 (1-5)	2035	17 August 1980	5
392846 (1-5)	2033	29 July 1980	5
392847 (1-5)	2033	29 July 1980	5
392848 (1-5)	2033	30 July 1980	5
392849 (1-5)	2033	31 July 1980	5
392850 (1-5)	2033	31 July & 1 August 1980	5
392851 (1-5)	2033	1 & 2 August 1980	5
392852 (1-5)	2033	2 August 1980	5
392853 (1-5)	2033	3 August 1980	5
392854 (1-5)	2033	3 & 4 August 1980	5
392855 (1-5)	2033	4 & 5 August 1980	5
392856 (1-5)	2033	5 August 1980	5
392857 (1-5)	2033	5 & 6 August 1980	5
392858 (1-5)	2033	6 & 7 August 1980	5
392859 (1-5)	2033	7 August 1980	5
392860 (1-5)	2033	8 August 1980	5
392861 (1-5)	2033	8 & 9 August 1980	5
392862 (1-5)	2033	9 & 10 August 1980	5
392863 (1-5)	2033	10 August 1980	5
392864 (1-3)	2033	10 & 11 August 1980	3
(4-5)	2034	12 August 1980	2
392865 (1-5)	2034	12 August 1980	5
392866 (1-5)	2034	29 July 1980	5
392867 (1-5)	2034	29 & 30 July 1980	5

Claim No.	Township	Date of Record	No. of Claims
392868 (1-5)	2034	30 & 31 July 1980	5
392869 (1-5)	2034	31 July 1980	5
392870 (1-5)	2034	31 July & 1 August 1980	5
392871 (1-5)	2034	1 & 2 August 1980	5
392872 (1-5)	2034	2 August 1980	5
392873 (1-5)	2034	3 August 1980	5
392874 (1-5)	2034	4 August 1980	5
392875 (1-5)	2034	4 & 5 August 1980	5
392876 (1-5)	2034	5 & 6 August 1980	5
392877 (1-5)	2034	6 August 1980	5
392878 (1-5)	2034	6 & 7 August 1980	5
392879 (1-5)	2034	7 & 8 August 1980	5
392880 (1-5)	2034	8 August 1980	5
392881 (1-5)	2034	29 July 1980	5
392882 (1-5)	2034	29 & 30 July 1980	5
392883 (1-5)	2034	30 & 31 July 1980	5
392884 (1-5)	2034	31 July 1980	5
392885 (1-5)	2034	31 July & 1 August 1980	5
392886 (1-5)	2034	1 & 2 August 1980	5
392887 (1-5)	2034	2 August 1980	5
392888 (1-5)	2034	3 August 1980	5
392889 (1-5)	2034	4 August 1980	5
392890 (1-5)	2034	4 & 5 August 1980	5
392891 (1-5)	2034	5 & 6 August 1980	5
392892 (1-5)	2034	6 August 1980	5
392893 (1-5)	2034	6 & 7 August 1980	5
392894 (1-5)	2034	7 & 8 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
392895 (1-5)	2034	8 August 1980	5
392918 (1-5)	2033	30 July 1980	5
392919 (1-5)	2033	31 July 1980	5
392920 (1-5)	2033	1 August 1980	5
392921 (1-5)	2033	2 August 1980	5
392922 (1-5)	2033	3 August 1980	5
392923 (1-5)	2033	4 August 1980	5
392924 (1-5)	2033	5 August 1980	5
392925 (1-5)	2033	6 August 1980	5
392926 (1-5)	2033	7 August 1980	5
392927 (1-5)	2033	16 August 1980	5
392928 (1-5)	2033	15 August 1980	5
392929 (1-5)	2033	14 August 1980	5
392930 (1-5)	2033	13 August 1980	5
392931 (1-5)	2033	12 August 1980	5
392932 (1-5)	2033	11 August 1980	5
392933 (1-5)	2033	9 August 1980	5
392934 (1-5)	2033	9 August 1980	5
392935 (1-5)	2033	8 August 1980	5
392936 (1-5)	2033	30 July 1980	5
392937 (1-5)	2033	31 July 1980	5
392938 (1-5)	2033	1 August 1980	5
392939 (1-5)	2033	2 August 1980	5
392940 (1-5)	2033	3 August 1980	5
392941 (1-5)	2033	4 August 1980	5
392942 (1-5)	2033	5 August 1980	5
392943 (1-5)	2033	6 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
392944 (1-5)	2033	7 August 1980	5
392945 (1-5)	2033	8 August 1980	5
392946 (1-5)	2033	9 August 1980	5
392947 (1-5)	2033	10 August 1980	5
392948 (1-5)	2033	11 August 1980	5
392949 (1-5)	2033	12 August 1980	5
392950 (1-5)	2033	13 August 1980	5
392951 (1-5)	2033	14 August 1980	5
392952 (1-5)	2033	2 August 1980	5
392953 (1-5)	2033	3 August 1980	5
392954 (1-5)	2033	4 August 1980	5
392955 (1-5)	2033	5 August 1980	5
392956 (1-5)	2033	5 August 1980	5
392957 (1-5)	2033	7 August 1980	5
392958 (1-5)	2033	8 August 1980	5
392959 (1-5)	2033	12 August 1980	5
392960 (1-5)	2033	9 August 1980	5
392961 (1-5)	2033	10 August 1980	5
392962 (1-5)	2033	11 August 1980	5
392963 (1-5)	2133	19 August 1980	5
392964 (1-5)	2133	20 August 1980	5
392965 (1-5)	2133	21 August 1980	5
392966 (1-5)	2033 & 2133	22 August 1980	5
392967 (1-5)	2033	23 August 1980	5
392968 (1-5)	2133	5 August 1980	5
392969 (1-5)	2133	6 August 1980	5
392970 (1-5)	2133	7 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
392971 (1-5)	2133	8 August 1980	5
392972 (1-5)	2133	9 August 1980	5
392973 (1-5)	2133	10 August 1980	5
392974 (1-5)	2133	11 August 1980	5
392975 (1-5)	2133	12 August 1980	5
392976 (1-5)	2033 & 2133	13 August 1980	5
392977 (1-5)	2033	14 August 1980	5
392978 (1-5)	2033	15 August 1980	5
392979 (1-5)	2133	16 August 1980	5
392980 (1-5)	2133	17 August 1980	5
392981 (1-5)	2133	18 August 1980	5
392982 (1-5)	2133	19 August 1980	5
392983 (1-5)	2133	20 August 1980	5
392984 (1-4)	2035	28 August 1980	4
393000 (1)	2034	23 August 1980	1
(2-5)	2134	23 August 1980	4
393001 (1)	2034	24 August 1980	1
(2-5)	2134	24 August 1980	4
393002 (1)	2034	25 August 1980	1
(2-5)	2134	25 August 1980	4
393017 (1-5)	2034	30 July 1980	5
393018 (1-5)	2034	30 & 31 July 1980	5
393019 (1-5)	2034	31 July & 1 August 1980	5
393020 (1-3)	2034	1 September 1980	3
393035 (1)	2033 & 2133	11 September 1980	1
(2-5)	2133	11 September 1980	4
393036 (1-4)	2133	12 September 1980	4
393037 (1-5)	2134	26 August 1980	5
393038 (1-5)	2134	27 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
393039 (1-5)	2134	28 August 1980	5
393040 (1-5)	2134	29 August 1980	5
393041 (1-5)	2134	30 August 1980	5
393042 (1-5)	2134	31 August 1980	5
393043 (1)	2033	13 September 1980	1
(2-5)	2034	13 September 1980	4
393044 (1-3)	2034	14 September 1980	3
(4)	2034 & 2134	14 September 1980	1
(5)	2134	14 September 1980	1
393045 (1-5)	2134	15 September 1980	5
393046 (1-2)	2134	16 September 1980	2
393047 (1-5)	2034	30 July 1980	5
393048 (1, 3-5)	2034	30 & 31 July 1980	4
393049 (1-5)	2034	31 July & 1 August 1980	5
393050 (1-5)	2034	1 & 2 August 1980	5
393051 (1-5)	2034	2 & 3 August 1980	5
393052 (1-5)	2034	3 August 1980	5
393053 (1-5)	2034	4 August 1980	5
393054 (1-5)	2034	4 & 5 August 1980	5
393055 (1-5)	2034	5 & 6 August 1980	5
393056 (1-5)	2034	6 & 7 August 1980	5
393080 (1-5)	2034	31 July 1980	5
393081 (1-5)	2034	31 July & 1 August 1980	5
393082 (1-5)	2034	1 August 1980	5
393083 (1-5)	2034	2 August 1980	5
393084 (1-5)	2034	2 & 3 August 1980	5
393085 (1-5)	2034	3 & 4 August 1980	5
393086 (1-5)	2034	4 August 1980	5
393087 (1-5)	2034	4 & 5 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
393088 (1-5)	2034	5 & 6 August 1980	5
393089 (1-5)	2034	6 August 1980	5
393090 (1-5)	2034	7 August 1980	5
393091 (1-5)	2034	7 & 8 August 1980	5
393092 (1-5)	2034	8 August 1980	5
393093 (1-5)	2034	9 August 1980	5
393094 (1-5)	2034	9 & 10 August 1980	5
393095 (1-5)	2034	10 & 11 August 1980	5
393096 (1-5)	2034	11 August 1980	5
393097 (1-5)	2034	12 August 1980	5
393098 (1-5)	2034	12 & 13 August 1980	5
393099 (1-4)	2034	13 August 1980	4
393100 (1-4)	2034	14 August 1980	4
393110 (1-5)	2033	3 August 1980	5
393111 (1-5)	2033	4 August 1980	5
393112 (1-5)	2033	5 August 1980	5
393113 (1-5)	2033	6 August 1980	5
393114 (1-5)	2033	7 August 1980	5
393115 (1-5)	2033	8 August 1980	5
393116 (1-5)	2033	9 August 1980	5
393117 (1-5)	2033	10 August 1980	5
393118 (1-5)	2033 & 2034	11 August 1980	5
393119 (1-5)	2034	12 August 1980	5
393120 (1-5)	2034	13 August 1980	5
393126 (1-5)	2033	3 August 1980	5
393127 (1-5)	2033	4 August 1980	5
393128 (1-5)	2033	5 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
393129 (1-5)	2033	6 August 1980	5
393130 (1-5)	2033	7 August 1980	5
393131 (1-5)	2033	8 August 1980	5
393132 (1-5)	2034	9 August 1980	5
393133 (1-5)	2034	10 August 1980	5
393134 (1-3)	2034	11 August 1980	3
(5)	2034	11 August 1980	1
393135 (1-5)	2034	12 August 1980	5
393136 (1-4)	2034	13 August 1980	4
393142 (1-5)	2033	3 August 1980	5
393143 (1-5)	2033	4 August 1980	5
393144 (1-5)	2033	5 August 1980	5
393145 (1-5)	2033	6 August 1980	5
393146 (1-5)	2033	7 August 1980	5
393147 (1)	2033	8 August 1980	1
(2-4)	2033 & 2034	8 August 1980	3
(5)	2034	8 August 1980	1
393148 (1-5)	2034	9 August 1980	5
393149 (1-5)	2034	10 August 1980	5
393150 (1-5)	2034	11 August 1980	5
393158 (1-5)	2033	3 August 1980	5
393159 (1-5)	2033	4 August 1980	5
393160 (1-5)	2033	5 August 1980	5
393161 (1-5)	2033	6 August 1980	5
393162 (1-5)	2033	7 August 1980	5
393163 (1-5)	2034	8 August 1980	5
393164 (1-5)	2034	9 August 1980	5
393165 (1-5)	2034	10 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
393166 (1-5)	2034	11 August 1980	5
393167 (1-5)	2034	12 August 1980	5
393174 (1-5)	2033	3 August 1980	5
393175 (1-5)	2033	4 August 1980	5
393176 (1-5)	2033	5 August 1980	5
393177 (1-5)	2034	6 August 1980	5
393178 (1-5)	2034	7 August 1980	5
393179 (1-5)	2034	8 August 1980	5
393180 (1-5)	2034	9 August 1980	5
393181 (1-5)	2034	10 August 1980	5
393182 (1-5)	2034	11 August 1980	5
393482 (1-2)	2033	29 July 1980	2
(3)	2033 & 2034	29 July 1980	1
(4-5)	2034	29 July 1980	2
393483 (1-2)	2033	30 July 1980	2
(3)	2033 & 2034	30 July 1980	1
(4-5)	2034	30 July 1980	2
393484 (1-2)	2033	31 July 1980	2
(3)	2033 & 2034	31 July 1980	1
(4-5)	2034	31 July 1980	2
393485 (1-2)	2033	1 August 1980	2
(3)	2033 & 2034	1 August 1980	1
(4-5)	2034	1 August 1980	2
393486 (1-5)	2034	2 August 1980	5
393487 (1-5)	2034	3 August 1980	5
393488 (1-5)	2034	4 August 1980	5
393489 (1-5)	2034	5 August 1980	5
393490 (1-5)	2034	6 August 1980	5
393491 (1-5)	2034	7 August 1980	5
393492 (1-5)	2034	8 August 1980	5
393493 (1-5)	2034	9 August 1980	5

Claim No.	Township	Date of Record	No. of Claims
393494 (1-4)	2034	10 August 1980	4
393502 (1-5)	2034	29 July 1980	5
393503 (1-5)	2034	30 July 1980	5
393504 (1-5)	2034	31 July 1980	5
393505 (1-5)	2034	1 August 1980	5
393506 (1-5)	2034	2 August 1980	5
393507 (1-5)	2034	3 August 1980	5
393508 (1-5)	2034	4 August 1980	5
393509 (1-5)	2034	5 August 1980	5
393510 (1-5)	2034	6 August 1980	5
393522 (1-5)	2034	29 July 1980	5
393523 (1-5)	2034	30 July 1980	5
393524 (1-5)	2034	31 July 1980	5
393525 (1-5)	2034	1 August 1980	5
393526 (1-5)	2034	2 August 1980	5
393527 (1-5)	2034	3 August 1980	5
393528 (1-5)	2034	4 August 1980	5
393529 (1-5)	2034	5 August 1980	5
393530 (1-5)	2034	6 August 1980	5
393542 (1-3)	2033	29 October 1980	3
394376 (1-5)	2134	5 September 1980	5
394377 (1-5)	2134	6 September 1980	5
394378 (1-5)	2134	7 September 1980	5
394379 (1-5)	2134	8 September 1980	5
394380 (1-5)	2134	9 September 1980	5
394381 (1-5)	2134	10 September 1980	5
394382 (1)	2034 & 2134	6 September 1980	1
(2-5)	2134	6 September 1980	4

Claim No.	Township	Date of Record	No. of Claims
394383 (1-4)	2134	7 September 1980	4
394384 (2-5)	2134	8 September 1980	4
394385 (1-4)	2134	9 September 1980	4
(5)	2034 & 2134	9 September 1980	1
394386 (1)	2034 & 2134	10 September 1980	1
(2-5)	2134	10 September 1980	4
394387 (1-4)	2134	11 September 1980	4
394388 (1)	2034 & 2134	25 August 1980	1
(2-5)	2134	25 August 1980	4
394389 (1-4)	2134	26 August 1980	4
394390 (2-5)	2134	27 August 1980	4
394391 (1-4)	2134	28 August 1980	4
(5)	2034 & 2134	28 August 1980	1
394392 (1)	2034 & 2134	29 August 1980	1
(2-5)	2134	29 August 1980	4
394393 (1-4)	2134	30 August 1980	4
394394 (1-5)	2134	4 September 1980	5
394395 (1)	2034	5 September 1980	1
(2)	2034 & 2134	5 September 1980	1
(3-5)	2134	5 September 1980	3
394396 (1)	2034	6 September 1980	1
(2)	2034 & 2134	6 September 1980	1
(3-5)	2134	6 September 1980	3
394397 (1-5)	2134	7 September 1980	5
394398 (1-5)	2134	8 September 1980	5
395355 (1-5)	2135	24 October 1980	5
395356 (1-5)	2135	25 October 1980	5
395357 (1-5)	2135	26 October 1980	5
395358 (1-5)	2135	27 October 1980	5
395359 (1-5)	2135	28 October 1980	5
395360 (1-5)	2135	29 October 1980	5
395361 (1-5)	2135	23 October 1980	5

Claim No.	Township	Date of Record	No. of Claims
395362 (1-5)	2135	24 October 1980	5
395363 (1-5)	2135	25 October 1980	5
395364 (1-5)	2135	26 October 1980	5
395365 (1-5)	2135	27 October 1980	5
395366 (1-5)	2135	28 October 1980	5
395367 (1-5)	2135	29 October 1980	5
395368 (1-5)	2035	23 October 1980	5
395369 (1-5)	2035	24 October 1980	5
395370 (1-5)	2035	25 October 1980	5
395371 (1-5)	2035	26 October 1980	5
395372 (1-5)	2035	27 October 1980	5
395373 (1-5)	2035	28 October 1980	5
395374 (1-5)	2035	29 October 1980	5
395375 (1-5)	2135	23 October 1980	5
395376 (1-5)	2135	24 October 1980	5
395377 (1-5)	2135	25 October 1980	5
395378 (1-5)	2135	26 October 1980	5
395379 (1-5)	2135	27 October 1980	5
395380 (1-5)	2135	28 October 1980	5
395381 (1-5)	2135	29 October 1980	5
395382 (1-5)	2135	23 October 1980	5
395383 (1-5)	2135	24 October 1980	5
395384 (1-5)	2135	25 October 1980	5
395385 (1-5)	2135	26 October 1980	5
395386 (1-5)	2135	22 & 27 October 1980	5
395387 (1-5)	2135	28 October 1980	5
395388 (1-5)	2135	29 October 1980	5

Claim No.	Township	Date of Record	No. of Claims
395389 (1-5)	2035	23 October 1980	5
395390 (1-5)	2035	24 October 1980	5
395391 (1-5)	2035	25 October 1980	5
395392 (1-5)	2035	26 October 1980	5
395393 (1-5)	2035	27 October 1980	5
395394 (1-5)	2035	28 October 1980	5
395395 (1-5)	2035	29 October 1980	5
395398 (1-5)	2135	25 October 1980	5
395399 (1-5)	2135	26 October 1980	5
395400 (1-5)	2135	27 October 1980	5
395401 (1-5)	2135	28 October 1980	5
395402 (1-5)	2135	29 October 1980	5
395403 (1-5)	2035	23 October 1980	5
395404 (1-5)	2035	24 October 1980	5
395405 (1-5)	2035	25 October 1980	5
395406 (1-5)	2035	26 October 1980	5
395407 (1-5)	2035	27 October 1980	5
395408 (1-5)	2035	28 October 1980	5
395409 (1-5)	2035	29 October 1980	5
395410 (1-5)	2135	23 October 1980	5
395411 (1-5)	2135	24 October 1980	5
395412 (1-5)	2135	25 October 1980	5
395415 (1-5)	2135	28 October 1980	5
395416 (1-5)	2135	29 October 1980	5
395417 (1-5)	2035	23 October 1980	5
395418 (1-5)	2035	24 October 1980	5
395419 (1-5)	2035	25 October 1980	5
395420 (1-5)	2035	26 October 1980	5

Claim No.	Township	Date of Record	No. of Claims
395421 (1-5)	2035	27 October 1980	5
395422 (1-5)	2035	28 October 1980	5
395423 (1-4)	2035	29 October 1980	4

PROJECT NO. 71-85 July 21, 1980

GORDON'S LAKE EAST

Claim No.	Township	Staked On
374025 (1-5) ✓	2135	10 August 1978
374026 (1-4) ✓	2135	11 August 1978
(5)	2136	11 August 1978
374027 (1-3) ✓	2135	12 August 1978
(4-5)	2035	12 August 1978
374028 (1-2) ✓	2036	13 August 1978
(3-5)	2136	13 August 1978
374029 (1) ✓	2036	14 August 1978
(2-5)	2035	14 August 1978
374030 (1)	2036	15 August 1978
(2-5)	2035	15 August 1978
374031 (1-5) ✓	2035	16 August 1978
374032 (1-4) ✓	2035	17 August 1978
(5)	2135	17 August 1978
374081 (1-5) ✓	2035	10 August 1978
374082 (1-5) ✓	2035	11 August 1978
374083 (1-5) ✓	2035	12 August 1978
374084 (1-5) ✓	2035	13 August 1978
374085 (1-5) ✓	2035	14 August 1978
374086 (1-5) ✓	2035	15 August 1978
374087 (1-5) ✓	2035	16 August 1978
374088 (1-5) ✓	2035	17 August 1978
374089 (1-5) ✓	2035	18 August 1978
374090 (1-5) ✓	2035	10 August 1978
374091 (1-5) ✓	2035	11 August 1978
374092 (1-5) ✓	2035	12 August 1978
374093 (1-5) ✓	2035	13 August 1978
374094 (1-5) ✓	2035	14 August 1978
374095 (1-5) ✓	2035	15 August 1978
374096 (1-5) ✓	2035	16 August 1978
374097 (1-5) ✓	2036	17 August 1978
374098 (1-4) ✓	2036	18 August 1978
(. 5)	2035	19 August 1978

Total claims: 3,483

APPENDIX 2

GEOLOGICAL CORE LOGS - GORDON'S LAKE GRID

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-13

PROPERTY: GORDON'S LAKE

CLAIM No: 381096 CL 5

MAIN GRID LOCATION

EAST _____

NORTH _____

ELEVATION — 7.68m / 0m2

DRILL GRID LOCATION

EAST 53+00E

NORTH 15+05N

ACID TEST

FOOTAGE	587'	807'		
INCLINATION	78°	77°		

DIP -75°

AZIMUTH 165°

DRILLING CONTRACTOR BRADLEY

RIG No: 1

CASING SIZE BW

BIT SIZE _____

CORE SIZE BQ

LENGTH 858'

COMMENCED 30/08/80

COMPLETED 05/09/80

CASING REMOVED ☐ YES ☑ NO

PLASTIC PIPE (LENGTH) 0

CORE STORED IN RIVER CAMP

DOWN HOLE LOGGING

INSTRUMENT MT SORRIS MDI-45337

PROBE SN 208

OPERATOR C. HEBRARD

DATE 05/06/80

CORE LOGGED

BY C. HEBRARD

DATE 06/09/80

CHEMICAL ASSAYS

LAB —

DATE _____

FORM MQA-34

) E NO:	OM - 13	URANERZ EXPLORAT) AND MINING	) AGE 1

FOOTAGE		CORE LOG	CH SAM
FROM	TO	GEOLOGICAL DESCRIPTION	NO. / FRO (FT
0	61'	OVERBURDEN	
61	452'	LIGHT GREEN TO RED, MEDIUM TO COARSE GRAINED, QUARTZITIC TO SUB-ARKOSIC, CONGLOMERATIC S.S. WEAK CHLORITIZATION IN FRACTURES. 61' - 67' 151' - 152' 154' - 168'6" 423' - 426'4" 416'8" - 418'2" } CONGLOMERATE QTZ CLASTS ϕ : 6 - 25 mm SUB ANGULAR 61' - 67'2" KAOLINIZATION AND LIMONITIZATION 67'2" - 79' (IN FRACTURES) 227' - 227'3" 228'6" - 230' 245'10" - 246'2" 253'6" - 253'9" 270' - 271'9" 364'9" - 365'2" } LIMONITIZATION	

HOLE No.

_E NO: 0M-13	URANERZ EXPLORA[illegible]I AND MINING	PAGE 2

FOOTAGE		CORE LOG		CH / SAM
FROM	TO	GEOLOGICAL DESCRIPTION		NO. / FRO (FT
		103'2" - 103'4"	HEMATIZATION, MOST OF THE TIME SEEMS CONTROLLED BY FRACTURES	
		103'9" - 104'		
		107'4" - 107'6"		
		111'6" - 112'3"		
		116'6" - 117'		
		119'3" - 119'6"		
		121'9" - 123'8"		
		148'10" - 149'8"		
		150'4" - 152'2"		
		181'9" - 182'3"		
		188' - 196'		
		198' - 200' (+ LIMONITIZATION)		
		200'9" - 206' (+ LIMONITIZATION)		
		214'6" - 216'		
		223'3" - 226'		
		237' - 238'6" (+ LIMONITIZATION)		
		241'2" - 243'9"		
		246'6" - 246'9"		
		251'8" - 253'		
		284'10" - 288'		
		308'6" - 315' (WEAK, SCATTERED)		
		326' - 327'		
		328'9" - 329'		
		337' - 338'		
		344'3" - 344'9"		
		346'6" - 348'9"		
		349'6" - 352'8" (VERY STRONG		

HOLE No.

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
		357' - 358' 365'2" - 367' 368' - 369' 445' - 445'6" } HEMATIZATION
		352'8" - 353' 369' - 369'6" } KAOLINIZATION
		273'9" - 274'2" 391' - 391'3" } STRONG HEMATIZATION AND KAOLINIZATION
		346'2" - 345'5' VERY ARKOSIC SECTION, KAOLINIZATION + CHLORITIZATION.
		276' - 277' 292'4" - 298'3" 315'6" - 317'6" 327' - 330'4" 348' - 348'6" 377' - 378'4" 382'6" - 383'2" 386'10" - 391'4" 399'10" - 404' } SILICIFICATION

SAMPLE NO. | FROM (F

HOLE No.

HOLE NO: OM-13 | URANERZ EXPLORATION AND MINING | PAGE

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
		406' - 409' 415' 2" - 416' 10" 418' 2" - 422' 4" 435' 6" - 437' 9" } SILICIFICATION
452'	636'	BASAL CONGLOMERATE : LIGHT GREEN TO RED TO BROWN CONGLOMERATE WITH INCREASING CHLORITIZATION MATRIX MEDIUM TO COARSE QTZ CLASTS ∅ 5 - 70 mm SUBANGULAR TO SUB ROUNDED 465' - 469' 6" 471' 8" - 486' 10" 491' 7" - 493' 495' - 497' } SILICIFICATION

SAMPLE NO. | FROM | TO

HOLE No.

HOLE NO: OM-13 | URANERZ EXPLORATION AND MINING | PAGE

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
		505' - 512'6" } SILICIFICATION 518'9" - 520'3" 523'5" - 539'
		454'10" - 455' 455'6" - 456' 456'10" - 459'6" 463'1" - 464' 467' - 469'8" 523'6" - 527' 530' - 531' 534'2" - 535'" 532'16" - 533'6" 568'5" - 569'4" 579'5" - 595'9" (+ LIMONITIZATION) } HEMATIZATION
		469'8" - ~~470~~'6" 476' - 477'2" 483'3" - 492' 493' - 494' 533'6" - 534'2" 546' - 547' 549'6" - 551'2" 561" - 562 577'4" - 577'6" 605'6" - 606'5" 607' - 609'3" } LIMONITIZATION

SAMPLE NO.	SAMPLE FROM (F

HOLE No.

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
		615 - 616'4" } LIMONITIZATION 627' - 629' }
		494'2" - 495'5" LIMONITIZATION + HEMATIZATION
		497'3" - 505' INTENSE KAOLINIZATION AND HEMATIZATION
		512'8" - 519' } 522 - 523'6" } 534'6" - 536' } KAOLINIZATION 549'2" - 549'6" } 565' - 565'8" }
		612 - 636 VOLCANIC CLASTS. POLY MICTIC

SAMPLE NO. | FROM (FT)

HOLE No.

HOLE NO: Om 13 | URANERZ EXPLORATION AND MINING | PAGE 7

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
636'	858'	BASEMENT: LIGHT GREEN TO DARK GREY CHERTY SEDIMENTS AND VOLCANIC.
		632 - 660'10" LIGHT GREEN ACID (RHYOLITE?) TUFF PROPYLIZATION FOLIATION 23° TO C.A. AT 644' MINOR PYRITE AROUND QTZ VEINS AND FRACTURE VERY SIMILAL TO Om 4
		660'10" - 858' CHERTY SEDIMENTS INTLAYERED WHITH PYRITIC MATERIAL. VERY FRACTURED PYRITE IN FRACTURE (2-5%) SOMETIME CHLORITE IN FRACTURE
		706' - 708' 711'8" - 712'4" } LIMONITIZATION
		712' - 720' LIMONITIZATION OF PYRITE
		741'10" - 743' 768 - 768'6" } CHLORITIZATION
		780'8" - 784'6" 785'4" - 786'5" 787'2" - 795'10" 800'10" - 803' 829 - 836 844'9" - 855'8" } MASSIVE PYRITE ZONE (50-80%) MICROCRYSTALLINE PYRITE (580'-827') AND MICRO. AND PORPHYROBLASTIC PYRITE (827'-855'8") VERY SIMILAR TO OTHERS HOLES. CONTACT OF PY SUB // TO C.A. SMALL AMOUNTS OF CALCOPYRITE SOME CHLORITE WITH THE PYRITE
		795'10" - 800'10" 803' - 829 836 - 844' } QTZ VEINS?

SA

NO. | FT

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-13

PROPERTY: CAMIE RIVER

CLAIM No: 381096 CLS
34m @ 134° from PICKET 4

MAIN GRID LOCATION

DRILL GRID LOCATION

EAST

NORTH

ELEVATION -7.7 (OM-2)

EAST 53 too E

NORTH 15 to 5 N

ACID TEST

FOOTAGE	587'	807'	911'	
INCLINATION	78°	77°	76°	

DIP -75°

AZIMUTH 165°

DRILLING CONTRACTOR BRADLEY

RIG No: 1

CASING SIZE BW

BIT SIZE

CORE SIZE BQ

LENGTH 858' / 920'

COMMENCED 30/8/80 / 28/1/81

COMPLETED 5/9/80 / 29/1/81

CASING REMOVED ☐ YES ☑ NO

PLASTIC PIPE (LENGTH) —

DOWN HOLE LOGGING

INSTRUMENT MT. SOPRIS MOBILI / 2500

PROBE SN 208 / G375/A #151

OPERATOR C. HEBRARD / B. SHAW

DATE 5/9/80 / 30/1/81

CORE STORED IN CAMIE RIVER

CORE LOGGED

BY C. HEBRARD / Z. MADON

DATE 6/9/80 / 1/2/81

CHEMICAL ASSAYS

LAB BONDAR-CLEGG

DATE JAN /81

HOLE NO: OM - 13 | URANERZ EXPLORATION AND MINING | PAGE 1

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
0	61'	OVERBURDEN
61	452'	LIGHT GREEN TO RED, MEDIUM TO COARSE GRAINED, QUARTZITIC TO SUB-ARKOSIC, CONGLOMERATIC S.S. WEAK CHLORITIZATION IN FRACTURES. 61' - 67' 151' - 152' 154' - 168'6" 423' - 426'4" 416'8" - 418'2" } CONGLOMERATE QTZ CLASTS ϕ : 6 - 25 mm SUB ANGULAR 61' - 67'2" KAOLINIZATION AND LIMONITIZATION 67'2" - 79' (IN FRACTURES) 227' - 227'3" 228'6" - 230' 245'10" - 246'2" 253'6" - 253'9" 270' - 271'9" 364'9" - 365'2" } LIMONITIZATION

SAMPLE NO.	SAMPLE FROM (FT)

HOLE No.

HOLE NO: 0M-13 | URANERZ EXPLORATION AND MINING | PAGE 2

FOOTAGE FROM	FOOTAGE TO	CORE LOG GEOLOGICAL DESCRIPTION	
		103'2" - 103'4"	HEMATIZATION, MOST OF THE TIME SEEMS CONTROLLED BY FRACTURES
		103'9" - 104'	
		107'4" - 107'6"	
		111'6" - 112'3"	
		116'6" - 117'	
		119'3" - 119'6"	
		121'9" - 123'8"	
		148'10" - 149'8"	
		150'4" - 152'2"	
		181'9" - 182'3"	
		188' - 190'	
		198' - 200' (+ LIMONITIZATION)	
		200'9" - 206' (+ LIMONITIZATION)	
		214'6" - 216'	
		223'3" - 226'	
		237' - 238'6" (+ LIMONITIZATION)	
		241'2" - 243'9"	
		246'6" - 246'9"	
		251'8" - 253'	
		284'10" - 288'	
		308'6" - 315' (WEAK, SCATTERED)	
		326' - 327'	
		328'9" - 329'	
		337' - 338'	
		344'3" - 344'9"	
		346'6" - 348'9"	
		349'6" - 352'8" (VERY STRONG	

C
SAM
NO. | FRO (FT

HOLE No.

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.
		357' - 358' 365'2" - 367' 368' - 369' 445' - 445'6" } HEMATIZATION	
		352'8" - 353' 369' - 369'6" } KAOLINIZATION	
		273'9" - 274'2" 391' - 391'3" } STRONG HEMATIZATION AND KAOLINIZATION	
		345'2" - 345'5' VERY ARKOSIC SECTION, KAOLINIZATION + CHLORITIZATION.	
		276' - 277' 292'4" - 298'3" 315'6" - 317'6" 327' - 330'4" 348' - 348'6" 377' - 378'4" 382'6" - 383'2" 386'10" - 391'4" 399'10" - 404' } SILICIFICATION	

HOLE NO

HOLE NO: Om-13 | URANERZ EXPLORATION AND MINING | PAGE

DRILL CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.
		406' - 409' 415' 2" - 416' 10" 418' 2" - 422' 4" 435' 6" - 437' 9" } SILICIFICATION	
452'	636'	BASAL CONGLOMERATE : LIGHT GREEN TO RED TO BROWN CONGLOMERATE WITH INCREASING CHLORITIZATION MATRIX MEDIUM TO COARSE QTZ CLASTS ϕ 5 - 70 mm SUBANGULAR TO SUB ROUNDED	
		465' - 469' 6" 471' 8" - 486' 10" 491 7/12" - 493' 495' - 497' } SILICIFICATION	

HOLE NO

HOLE NO: Om - 13	URANERZ EXPLORATION AND MINING	PAGE
FOOTAGE	CORE LOG	

FROM	TO	GEOLOGICAL DESCRIPTION
		505' - 512'6" } SILICIFICATION 518'9" - 520'3" 523'5" - 539'
		454'10" - 455' 455'6" - 456' 456'10" - 459'6" 463'1" - 464' 467' - 469'8" 523'6" - 527' 530' - 531' 534'2" - 535' 532'10" - 533'6" 568'5" - 569'4" 579'5" - 595'9" (+ LIMONITIZATION) } HEMATIZATION
		469'8" - 470'6" 476' - 477'2" 483'3" - 492' 493' - 494' 533'6" - 534'2" 546' - 547' 549'6" - 551'2" 561' - 562' 577'4" - 577'6" 605'6" - 606'5" 607' - 609'3" } LIMONITIZATION

NO.	FR (

HOLE No.

HOLE NO: OM-13 | URANERZ EXPLORATION AND MINING | PAGE 6

CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		615 - 616'4" } LIMONITIZATION 627' - 629' }
		494'2" - 495'5" LIMONITIZATION + HEMATIZATION
		497'3" - 505' INTENSE KAOLINIZATION AND HEMATIZATION
		512'8" - 519' } 522 - 523'6" } 534'6" - 536' } KAOLINIZATION 549'2" - 549'6" } 565' - 565'8" }
		612 - 636 VOLCANIC CLASTS. POLYMICTIC

NO. | SA... F... (F...

HOLE No.

HOLE NO: Om 13 | URANERZ EXPLORATION AND MINING | PAGE 7

PROJECT | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
636'	858'	BASEMENT: LIGHT GREEN TO DARK GREY SILICIFIED VOLCANICS.
		632 - 660'10" LIGHT GREEN ACID (RHYOLITE?) TUFF PROPYLIZATION FOLIATION 23° TO C.A. AT 644' MINOR PYRITE AROUND QTZ VEINS AND FRACTURE
		660'10" - 858' SILICIFIED VOLCANICS OF MAFIC? COMPOSITION VERY FRACTURED PYRITE IN FRACTURE (2-5%) SOMETIME CHLORITE IN FRACTURE
		706' - 708' 711'8" - 712'4" } LIMONITIZATION
		741'10" - 743' 768 - 768'6" } CHLORITIZATION
		780'8" - 784'6" 785'4" - 786'5" 787'2" - 795'10" 800'10" - 803' 829' - 836' 844'9" - 855'8" } PYRITE RICH VOLCANICS ALMOST MASSIVE 50 - 80%

SAMPLE | NO. | FROM (F)

HOLE No.

HOLE NO: | URANERZ EXPLORATION AND MINING | PAGE

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
858'	920'	**CHERTY METASEDIMENTS**

V.F.G. WHITE TO DARK GREY, WELL BEDDED → ALTERNATING LT. TO DK. GREY CHERT BANDS / <5° ca @ 880'
21° ca @ 903'
12° ca @ 916'

MINOR SULFIDES (PY, tr. PYRRH.) CONCENTRATED ALONG FRACTURES (863', 880', 893', 902'), AROUND CHERT CLASTS → ϕ = 5cm (881') AND MORE OR LESS MASSIVE (up to 50%) @ 860-861'

SOME LIMONITIZATION ALONG FRACTURES (887', 896')

CORE IS EXTENSIVELY FRACTURED THROUGHOUT - HAIRLINE FRACTURES HEALED WITH CHLORITE, CALCITE(?), QUARTZ. WHICH DISPLACE BEDDING (/cm.) / 55° ca @ 864'
25° ca @ 903'
75° ca @ 915' } VARIABLE BUT USUALLY SHALLOW TO CA.

JUGGY FRACTURES 875' - 876'

MODERATE TO STRONG TECTONISM THROUGHOUT
BRACCIATED @ 858' - 872'
886' - 891'
900' - 909'

920' END OF HOLE

SAM | NO. | FRO (FT

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-14

PROPERTY: CAMIE RIVER

CLAIM No:

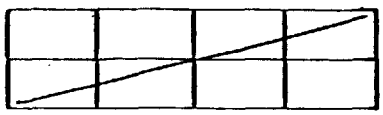
MAIN GRID LOCATION

EAST
NORTH
ELEVATION -0.1

DRILL GRID LOCATION

EAST 54+00E
NORTH 14+00 N

ACID TEST —
FOOTAGE
INCLINATION



DIP -90°
AZIMUTH —

DRILLING CONTRACTOR BRADLEY
RIG No: 1
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 375'
COMMENCED 31/1/81
COMPLETED 2/2/81

CASING REMOVED ☑ YES ☐ NO
PLASTIC PIPE (LENGTH) to ≈ 36m. (120')

DOWN HOLE LOGGING

INSTRUMENT MT. SOPRIS 2500 (71)
PROBE G375/A #151
OPERATOR B. SHAW
DATE 2/2/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY Z. MAJDA
DATE 3/2/81

CHEMICAL ASSAYS
LAB BONDAR - CLEGG
DATE FEB 3 / 1981

HOLE NO: OM-14 | URANERZ EXPLORATION AND MINING | PAGE

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
0'	32'	OVERBURDEN (mainly glacial till with large angular boulders)
32'	225'	OTISH SEDIMENTS Grey to lt. green f. to m.g. massive quartzite & subarkose, partly conglomeratic, grading down into e.g. arkoses and a basal apple green quartz pebble conglomerate (qtz ϕ 1-3 cm, subangular to rounded). Middle arkosic portion is moderately to heavily hematized with some limonitization and a dark green (chloritic?) alteration. / 85° ca @ 41' / 75° ca @ 57' 32' - 90': Grey to lt. green subarkose, quartzite and minor qtz. pebble conq interlayers (qtz ϕ = 1 cm; some rounded chert + volcanic clasts @ 64'), some with hematized + limonitized matrix. Trace limonitization along fractures. Lt. green alteration @ 97.5' (3 cm.) 90' - 166': Moderately to heavily hematized subarkose - arkose with numerous qtz. pebble conq interlayers (minor quartzite). Some limonitization & a dark green alteration (chlorite?) along fractures mainly. Qtz pebble clasts ϕ 1.5-3 cm // to ca @ 92' 25° ca @ 139' Dark green alteration (chlorite?): @ 92'-93', 114'-118'. limonitization @ 90'-92', 122', 134'-138'; strong @ 135'

SAMPLE NO. | FROM (F

HOLE No.

HOLE NO: OM-14 | URANERZ EXPLORATION AND MINING | PAGE

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
		225' : UNCONFORMITY
225'	357'	BASEMENT Propylitized lt. to dark green rhyolite, overlying a conductive zone of alternating graphite, sulfides (c. to f.g. pyrite, to pyrrhotite) cherty interbeds as well as andesitic material. This overlies a dark grey to green intermediate to basic volcanic sequence. Dips are variable, being shallow at the top (55° ca) and steepening within the conductive zone & below.
		225' - 236' : Moderately to heavily propylitized lt. to medium green rhyolite, with trace sulfides & cut by minor quartz veins (⊥ ca) 55° ca @ 233'
		236' - 286' : Conductive zone (graphite, sulfides) alternating & interbed with chert and intermediate volcanics. Sulfides & chert are closely related, particularly where sulfides are in low to medium concentrations (< 30%). Graphitic zones are highly contorted & reworked (@ 267') & have varying amounts of sulfides ass. with them. F. to c.g. (rex lized) sulfides occur in various concentrations as thin laminations // to bedding, massive and in reworked qtz. veins (@ 247') 55° ca @ 249' sub // ca @ 277' 20° ca @ 283' 45° - 55° ca

SAMPLE NO. | FROM (F...

HOLE No.

HOLE NO: OM-141 | URANERZ EXPLORATION AND MINING

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		hematization @ 92', 98' (strong), 105'-108', 114'-118', 119', 121', 122'-123', 125'-126', 132'-135', 138'-141' (strong), 143'-144' (strong), 149'-150' (strong), 154'-156', 157'-158', 160'-163'.
		hematization @ 98', 153'-154'
166'	183'	Lt. green m. to c.g. quartzite & subarkose. Essentially massive, partly limonitized and chloritized (?) along some fractures (sub // to ca @ 179') and around qtz. clasts. / 80° ca @ 169' / // ca @ 171'
183'	225'	Basal qtz. pebble conglomerate; lt. green to apple green arkosic matrix (m. to c.g.). Quartz clasts (ø 1-3.5cm) are angular to subrounded, some angular cherty clasts at base. Minor limonitization along fractures (// to 20° ca) & coating qtz. clasts.
224'	225'	Very dark green basal unit with angular volcanic clasts → brecciated. Radioactive → max 700 c/s SPP-2NF. Trace sulfides, f.g. siliceous (almost cherty)

HOLE NO: DM-14 | URANERZ EXPLORATION AND MINING | PAGE

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION

	LOW (<10%)	MED. (10-25%)	HIGH (>25%)
Sulfide zones @ (py, tr po)	23½' 247' 249' 259' 262' 285'-286'	244'-245' 246' 251'-255'	237'-238' 240'-242' 243'
Graphite zones @	254' 259' 262'-263' 281' 282' 285'-286'		267'-268' 269'-270' 270'-280'

247'-251' : propylitized lt. green rhyolite

270'-280' : int. to acid volcanics (white-green); moderately textured.

286'-335' : White to dk. gray & lt. green acid to intermediate volcanics tuff. Minor sulfides along fractures, increasing towards bottom. Cut by occ. thick qtz veins, particularly at base (associated with sulfides). Thin v.f.g. sulfides coated on occ. thin fractures.

∫ // to sub // ca @ 312' & 316'

23° ca @ 297'

CH SAM NO. FRO (FT

HOLE No.

HOLE NO: OM-14	URANERZ EXPLORATION AND MINING
FOOTAGE	CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		335' - 357' : Conductive zone (sulfides, graphite) alternating with cherty metasediments (closely ass. with sulfides) and propylitized basic volcanics. Sulfides recrystallized in places - e.g. porphyritic texture. Graphitic zones highly contorted & reworked. (@ 346'-348', 338'-340')
		∫ 15° ca @ 348'
		LOW / HIGH
		Sulfide zones @ 336'-337' (fg. tr py)
		342' → (leached sulfide rich vein, boxwork texture) 352'-356'
		357'
		Graphite zones @ 342'-344'
		346'
		347'-349' 335'-340'
		338'-343' : Radioactive zone within well-textured pelitic(?) rocks, appears to be associated with chloritization (@ 340', along most of min. core), a reddish-brown spotty alteration and minor sulfides. Up to 300 c/s - SPECIMEN

HOLE : OM-14 | URANERZ EXPLORATION AND MINING | PAGE

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
		357' - 375' : dk. dark grey volcanic gradesinto dark green basic volcanic (partly chloritized), cut by a few quartz veins. Essentially massive in appearance. Minor sulfides @ base.
		∠ 11 to ca (?) @ 372'
		375' : END OF HOLE

SAMPLE NO. | FROM (F

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85 HOLE No: OM-15

PROPERTY: CAMIE RIVER → CLAIM No:

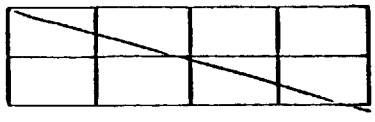
MAIN GRID LOCATION

EAST
NORTH
ELEVATION -0.4

DRILL GRID LOCATION

EAST 5400E
NORTH 1390N

ACID TEST
FOOTAGE
INCLINATION



DIP -90°
AZIMUTH —

DRILLING CONTRACTOR BRADLEY
RIG No: 1
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 323'
COMMENCED 3/2/81
COMPLETED 5/2/81

CASING REMOVED ☑ YES ☐ NO
PLASTIC PIPE (LENGTH) 98.5m (323')

DOWN HOLE LOGGING

INSTRUMENT MT. SOPRIS 2000 (71)
PROBE G375/A #151
OPERATOR B. SHAW / C. HERRARO
DATE 5/2/81

CORE STORED IN CAMIE RIVER

CORE LOGGED

BY Z. MASON
DATE 6/2/81

CHEMICAL ASSAYS

LAB BONDAR CLEGG
DATE

FORM MQA-34

HOLE NO: OM-15 | URANERZ EXPLORATION AND MINING | PAGE

PROJECT | CORE LOG | CH

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.	SAMPLE FROM (FT)
0	40	OVERBURDEN (glacial till with large angular boulders)		
40	224	OTISH SEDIMENTS		

Red to green arkose - subarkose (conglomeratic) with minor quartzite interlayers. Moderate to strong hematization + some limonitization along fractures + within arkosic matrix. Underlain by a highly fractured + reworked breccia zone, characteristically strongly hematized + chloritized (some feldspar alteration + c.g recrystallized py). Fabric of rock appears to be of basement origin (steeply dipping lineations - 11 to 20° ca). This zone overlies a lt. green basal cong. (ang - subrounded qtz clasts ϕ = 1-4cm) and a reworked transition zone (sed/volc.).

40'-69' Med - c.g lt. green conglomeratic arkose - subarkose, massive.

/ 20° ca @ 46'

/ 75° ca @ 52'

Some hematization along fractures + within conglomeratic zones. (57', 58', 61', 66', 67'). Matrix partly kaolinized; some limonitization (40'-43', 67'-69') in the matrix. Qtz. clasts (some granitic clasts -> graphic texture @ 64') are ang-subrounded, ϕ 1-3 cm. Minor healed qtz. fractures.

HOLE No.

HOLE NO: OM-15	URANEX EXPLORATION AND MINING	
FOOTAGE	CORE LOG	
FROM	TO	GEOLOGICAL DESCRIPTION
		69'-167': Mod-strongly hematized & limonitized lt brown-red conglomerate ark-subark. (minor lt. green med-c.g. quartzite-subark. interlayers. Some chloritization along high angle fractures (11° to 25° ca). Hematization & limonitization often closely related - along fractures & in matrix. / 80° ca @ 141
		Hematization @ 69'-71', 76', 77'-82', 86'-87' (strong), 88'-89', 100', 101'-102', 104', 108'-109', 110'-111', 116'-121', 132'-141' (strong in places), 154', 159'-166'
		Limonitization @ 69'-70', 82', 93'-99', 111', 115', 133', 153', 159'.
		Chloritization @ 75'-77', 79', 86', 90'-92', 127'-128' (strong), 137'-138'.
		167'-195': Lt.-dk green conglomeratic ark-subark., massive, some hematization & limonitization along fractures & in matrix (172', 177'). Strongly hematized @ 178'-179'. Qtz & some granitic clasts, ϕ 1cm-4cm.). Chloritized @ base.

HOLE NO: OM-15 | URANERZ EXPLORATION AND MINING

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		195'-208' Rusty brown-dark green highly reworked + fractured breccia with strong chlorite, hematite + albite(?)-(siderite(?)) alteration (large c.g. euhedral recrystallized pyrite). Conglomeratic in places (qtz. pebbles) + in others appears to be similar to reworked basement material → mixed zone. MINERALIZED for entire length (up to 600c/s SPP-2NF) - appears to be associated with rusty brown alteration (hem.), chloritization + the sulfides. Fracturing sub // to ca (usually ≈20°) Feldspars normally display a highly corroded grain boundary; in places are almost completely obliterated. (@ 202'-203'). Becomes more conglomeratic near base (207'-208'). Some lost core.

HOLE NO: OM-15 | URANERZ EXPLORATION AND MINING | PAGE

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		208' – 224' : Lt - dk green quartz pebble conglomerate (basal cong) with some cherty clasts @ base; partly chloritized @ top; some lt green arkosic intervals. Slightly mineralized @ 210' (100 c/s SPP-2NF) in slightly fractured + chloritized rock. (tr. py).
		219' – 223' : MINERALIZED ZONE (150-200 c/s - SPP-2NF) in cong which texturally looks like part basement (fabric @ ≈30° ca) although qtz pebbles + conglomeratic texture still discernable (mixed zone?). Mineralization ass. with chl & sulfides
224	233	TRANSITION ZONE
		[// to sub // ca + ≈ 45° ca] Highly fractured + reworked, dk green strongly chloritized zone with fragmented quartz + feldspar grains. Highly contorted thinly laminated sulfides (f.g. py) throughout zone - massive (>50%) between 228' - 231', porphyritic texture, boxwork in places; reXallized along fractures. Thin pelitic (graphite?) zone @ 229' (15 cm.). Chlorite & some hematite reXallized along

SAMPLE | NO. | FROM (FT)

HOLE No.

HOLE NO: OM-15 | URANERZ EXPLORATION AND MINING | PAGE

CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		fractures (@ 231'). Slightly mineralized between 225'-226' (75 c/s - SPP - 2NF) within contorted chlorite-pyrite zone.
233	323	BASEMENT a narrow zone of lt green propylitized acid volcanics (brecciated in part) overlying intermediate (some acid) tuff & then to a more basic tuff.
		233'— 240' : Propylitized acid (rhyolite) volcanics, brecciated for most of length (235'-240'); angular lenticular shaped clasts (ϕ 2-7cm.) in a chloritic mafic matrix (some pelitic material ?) with tr py. Sulfides along fractures as well - partly limonitized (@236')

SAMPLE

NO.	FROM (FT)

HOLE No.

HOLE NO: OM-15	URANERZ EXPLORATION AND MINING	PAGE 6

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.	FROM (FT)
		<u>240' - 323'</u>: Intermediate - basic lt - dk green well laminated volcanic tuff; partly chloritized. v.f.g. pyrite coatings on mm. thick fractures in more basic portion of volcanic tuff.		
		30° ca @ 272'; 15° ca @ 298'; 30° ca @ 322'		
		<u>268'</u>: very thin pelitic zone (?)		
		<u>323'</u> END OF HOLE		

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-16

PROPERTY: CAMIE RIVER

CLAIM No: [redacted]

MAIN GRID LOCATION

EAST

NORTH

ELEVATION 0.4

DRILL GRID LOCATION

EAST 54+00E

NORTH 13+80N

ACID TEST

FOOTAGE

INCLINATION

DIP -90°

AZIMUTH —

DRILLING CONTRACTOR BRADLEY

RIG No: 1

CASING SIZE 13W

BIT SIZE

CORE SIZE BQ

LENGTH 219'

COMMENCED 6/2/81

COMPLETED 08/7/81

CASING REMOVED ☑ YES ☐ NO

PLASTIC PIPE (LENGTH) 66.8 m (219')

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 #71

PROBE 6375/A #181

OPERATOR B. SHAW

DATE 08/2/81

CORE STORED IN CAMIE RIVER

RE LOGGED

BY C. HEBRARD

DATE 9/2/81

CHEMICAL ASSAYS

LAB RONDAR CLEGG

DATE

FORM MOA-34

LE NO: OM16	URAN Z EXPL A N AND MINING

FOOTAGE		CORE LOG
FROM	TO	GEOLOGICAL DESCRIPTION
0	30	OVERBURDEN (mainly glacial till, large angular boulders)
30	192	OTISH SEDIMENT

light green to red to brown conglomeratic ss. quartzitic to sub arkosic composition. Conglomerate layers inside ss. with matrix often hematized (Qtz clasts ϕ .5 → 4cm, ang. to rnd, ϕ of ss 1-2mm max 3mm) Chlorite associated with high angle fractures. Some cherty fragments at the base of sediments (dark chert).

/ 15° TO CA at 80'

/ sub// to CA at 112'

/ 73° to CA at 57'

limonitization:

32'10" - 34'1"
34'6" - 35'6"
37'4" - 40'
47'3" - 47'6"
58'10" - 59'6"
60'6" - 62'6"
70'6" - 70'9"
75' - 76'
77'4" - 79'
79'6" - 80'8"
84 - 92'
92'9" - 93'3"
97'6" - 102'
110' - 111'
120' - 120'4"
129' - 129'4"
137'6" - 138'
142' - 144' (weak)
156'6" - 157' (")
168' - 169'

hematization:

34'8" - 35' (weak)
37' - 37'4" (strong)
44'3" - 44'6" (weak)
45'6" - 45'8"
57' - 57'2"
93'6" - 94' (strong)
102'6" - 105'8" (")
108'10" - 110'
129'8" - 130'
138' - 139'
146'8" - 147'8" (stro
148'9" - 149'6" (
155'6" - 156'6" (wea
161' - 165' (")

HOLE NO: DM16 | URANERZ EXPLORATION AND MINING

FOOTAGE FROM	FOOTAGE TO	CORE LOG GEOLOGICAL DESCRIPTION
		Chlorite. 47.6" - 48.6" 77'8" - 78'3" 80'2" 96' - 97'6" 110'8" - 111'6" 168'8" } associated with fracture.
		conglomerate 34'6" - 35'7" 37' - 38' 44' - 45'2" 46' - 48'10" 52' - 52'6" 57' - 58'9" 62' - 62'3" 68'1" - 70' 74' - 74'8" 77'9" - 78'4" 79'6" - 80' 82'6" - 83'0" 89' - 92' 102'6" - 105'8" 114'3" - 115' 121' - 128' 129' - 130' 134' - 151' 157' - 166' 177' - 178'10"
		kaolinization 88'2" - 88'3" 92'6" (Feldspar matrix destroyed) hematite 120'8" 146'8"
		sulfide : 119' in fracture 25° TO CA. fractures cut qtz. pebbles.

SAMPLE NO. | FROM (FEET)

HOLE NO

HOLE NO: OM16 | URANERZ

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION	NO.
		192' Discordance contact between sediments and volcanic is approximatly 60° TO CA. Some clast of volcanic material in sed. very near the contact ø of qtz grains of ss increase in last inch large angular chert fragments (3 TO 5 cm) one inch from discordance.	
192'	219'	**Basement** light green to dark grey volcanic material. the base of the column is formed by mafic to intermediate volcanics, very fine grained (aphanitic) (TUFF?) topped by propylitized acid volcanics with well devellopped foliation. Small amount of micro Xtalline Py on some fracture surface 35° CA at 203' 25° CA at 218' 192' – 203' 4" Fine grained, almost massive, light green Volcanics of acid – interm. composition cut by mm thick qtz veins showing traces of moderate reworking. weak alteration (deep whaetering?)	

HOLE

HOLE NO. [illegible]

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
		197'3" - 199' tectonized section (qtz veins?) very siliceous, broken, some volc. clasts. recrystallization of qtz(?)
		202'1" - 202'6" more mafic section, dark grey aphanitic
		203'4" - 203'8" dark green to dark grey pelitic zone(?) very soft.
		203'8" - 209'4" propylitized acid volcanic, lgt green
		209'4" - 219' dark grey intermediate to mafic volcanic (Tuff?) aphanitic
		219' END OF HOLE

NO.

HOL

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

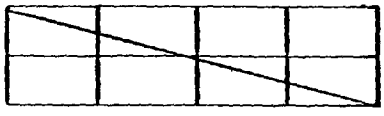
PROJECT No: 71-85 HOLE No: OH-17

PROPERTY: CAMIE RIVER → CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION -0.9

ACID TEST
FOOTAGE
INCLINATION



DRILL GRID LOCATION

EAST 54+00 E
NORTH 14+10 N

DIP -90°
AZIMUTH —

DRILLING CONTRACTOR BRADLEY
RIG No: 1
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 402'
COMMENCED 8/2/81
COMPLETED 11/2/81

CASING REMOVED ☑ YES ☐ NO
PLASTIC PIPE (LENGTH) 122.5m (402')

CORE STORED IN CAMIE RIVER

DOWN HOLE LOGGING

INSTRUMENT MT. SOPRIS 2500 (#71)
PROBE G375/A #151
OPERATOR B. SHAW
DATE 11/2/81

CORE LOGGED

BY Z. MADON
DATE 12/2/81

CHEMICAL ASSAYS

LAB BONDAR-CLEGG
DATE

FORM MOA-34

HOLE NO: OM-17 | URANERZ EXPLORATION AND MINING

FOOTAGE		CORE LOG
FROM	TO	GEOLOGICAL DESCRIPTION
0	26	OVERBURDEN (glacial till with large angular boulders)
216	225	OTISH SEDIMENTS

Grey to lt green med-c.g. conglomeratic ark-subark. (minor quartzite) with a rusty brown, red and dark green alteration within matrix and along fractures - pervasive hematization, chloritization, limonitization, silicification (leached in places), albitization (?-kaolinization) and tectonism in central partly mineralized portion of this unit. Mineralization ass. with chloritization + silicification at the top and limonitization and silicification in the central zones. Basal + near basals mineralized sediments are strongly chloritized with ass. sulfides (chiefly py, up to 50%).

26-92': Lt grey-lt. green (some olive green) med-c.g. ark-subark (minor cong + quartzite) with minor fracturing, limonitization + chloritization throughout. Lim. along fractures + within matrix; chl. primarily along fractures. Chl. + some sil. ↑ near base where some mineralization found.

/ 75° ca @ 37'

/ 30° ca @ 32'

sub// ca @ 43'

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION	NO.

26'-92' (cont'd) High background throughout unit (75-100 c/s + SPP-2NF).

32': 125 c/s asr with chl (along fractures) + lim. in a congl. ark.

78'-83': (max @ 81') 450 c/s asr with sil. + chl. (some hem. along hairline fractures)

83'-88': lt. bkgd (75-100 c/s) asr with moderate fracturing, chl., sil. + some alb. (?-hem.)

Leaching (vuggy asr with sil, chl., alb.(?)) @ 31', 44', 50', 60', 66', 75', 78'-79'.

Conglomeratic @ 41', 45'-47', 50', 58'-59', 62'-69', 74'-80', 85'-86'. (fty clasts ϕ 1-2 cm, often fractured + rimmed with lim.)

Chloritization @ 31'-32', 41', 42'-44', 48', 58'-59', 69', 76', 81'-82', 85'-86', 92' (usually weak, along hairline fract.)

Strong limonitization @ 32', 64', 79'-80', 81'.

Strong albitization (?-hem.) @ 75', 85'

HOLE

HOLE NO: OM-17 | URANERZ EXPLORATION AND MINING

FOOTAGE		CORE LOG
FROM	TO	GEOLOGICAL DESCRIPTION

92'-122': Moderately-strongly hem. + clin. m.g.-c.g. corg. ark., grading into a zone of pervasive silicification + albitization (hook?) with some clin., hem. + chl. Qtz. clasts (ϕ 1-4 cm) often fractured, with corroded boundaries +/or qtz overgrowths. Moderately, in places strongly, fractured.

/ 85° ca \ @ 109'
\ 25° ca /

Strong clin. + hem @ 92'-96', 99', 110'-113'.

Silicification @ 94'-98', 101'-119'

Albitization (hook?) @ 99'-100', 103'-111', 113'

Chloritization; subjacent but most pronounced @ 94'-96', 107', 110'. (ass. with sil, vuggy fractures)

Lost or ground core (<20%) @ 107', 110'-111', 112'-113', 115'.

92'-96' MINERALIZED (max 250 c/s, SPP-2NF, @ 93') Mod-heavily hem., clin and fract. corg. ark. Some chl + sil - occ. ass vuggy fractures (@ 94'-96'). Qtz clasts (ϕ 1-3 cm.) often fract. + in places appear to be corroded +/or recrystallized (@ 93'). Some dk green blebs ass with ↑ c/s

HOLE NO: OM-17		URANE EXPLORATION AND MINING
FOOTAGE		CORE LOG
FROM	TO	GEOLOGICAL DESCRIPTION
		118'-119' MINERALIZED (max 200 c/s) Similar to above (92'-96'); ass with a dk green wispy mineral in a hem, lim + fract. cong. ark.
		121'-122' : MINERALIZED (max. 125 c/s) in a lt. green cong. subark; appears to be ass with dk green (chl?) patches within matrix. Some lim + hem. Little fracturing.
122'	207'	: Lt green + brown to dk gray + green m.g.-c.g. cong. ark.-subark. (some narrow quartzite interlayers). Lim. alteration chiefly within matrix (occ. along fractures); often rimming qtz clasts → predominant within middle portion of unit. Some chl (along fract. mainly) + hem. (within matrix).
		Limonitization @ 126', 129', 130'-131', 135'-136', 140'-150', 153'-174', 177', 183', 189'-191', 192', 199'.
		Chloritization @ 142', 162', 167', 183'
		Conglomeratic (mainly qtz clasts, some subang. vole. clasts Ø 1-3 cm. up to 5 cm.) @ 123', 126'-127', 129'-130', 132', 134'-136', 138'-140', 141'-149', 152'-161', 163'-172', 173'-197', 201'-206'.

HOLE NO:	URANIUM EXPLORATION AND MINING

FOOTAGE		CORE LOG
FROM	TO	GEOLOGICAL DESCRIPTION

192'-193' : MINERALIZED (max. 550 c/s) Dk. green strongly chl ss. with up to 30% sulfides (f.g. euhedral py.). Some silicification.

207'- 225' : Dk. green f.g.-c.g. strongly chl. cong. greywacke (lithic ss.) containing varying amts of sulfides (py - tr to 15%) with a light green dimictic cong. interlayer (212'-217') - basal cong. (chiefly qtz clasts, some large angular volc. clasts ϕ 1-4 cm.). Strongly chl portion is vuggy in places (208', 210'). ReXallized qtz + calcite (siderite?) near base give unit a porphyritic texture - 218', 221'-222', 224'. Volcanic material of various sizes + shapes - @219' occurs as clasts + within f.g. matrix. Essentially massive - little tectonism apparent.

207'- 213' : MINERALIZED (up to 500 c/s) ass with chl + py.

217'- 225' : MINERALIZED (max 600 c/s) similar to above, some sil. apparent.

225' UNCONFORMITY

HOLE NO: DM-17 | URANERZ EXPLORATION AND MINING

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	NO.
225'	387'	**BASEMENT** Mod - strongly textured dk green chl-rich volcanic breccia zone containing some sulfides (< 10%) & a red-brown alteration (hem - lim ?) → highly mineralized (max. 4000 c/s, SPP-2NF). Grades down into a moderately - strongly propylitized volcanic tuff (rhyolitic). This is underlain by a dk green f.g. chloritic mafic volcanic (more or less massive in appearance) & intermediate dk green (volcanic) (↑ SiO_2). The core becomes progressively more broken towards the bottom, cut by qtz veins (some containing cp, py & mt @ 317'). At 387', a major fault has displaced the volcanic sequence with a lt brown m.g. - c.g. lim. & hem ark-subark. This sedimentary unit continues to the end of the hole.	
225' - 228'		Dk green chl volcanic breccia containing lt olive green propylitized rhyolitic volcanic clasts. Mineralization (max. 4000 c/s - SPP-2NF) within entire unit - ass. with intense chl. + Lim (+ hem. ?) filling healed fractures along with calcareous (calcite - siderite ?) material & tr sulfides (up to 10%). Mineralization also appears to be ass. with a lt. dull brown alteration (@ 226' - 227'). ↑ c/s where matrix / clast ratio is highest. F.g. - c.g. qtz & calcite filling in	

E): OM-17	URANERZ EXPLOR AND MINING	AGE

FOOTAGE		CORE LOG	
FROM	TO	GEOLOGICAL DESCRIPTION	SAM NO.

thick fracture zones - vuggy in places (@ 227'). @ 228', basement texture (bedding, fol.) is little disturbed + mineralization appears to be intercalated with the volcanic tuff although some fracturing still evident (again ass. with chl.).

228'- 258' : Lt. olive green to bright apple green + dk green mod-strongly propylitized rhyolitic tuff. Prop. decreases with depth. Cross-cut by cm thick qtz veins @ 242', 245', 257', usually at high angle to core axis (≈ 20° ca). Stringy apple green alt. (fuchsite, sericite?) @ 237'- 240', less @ 244', 255'-256'. Cut by some high angle (20° ca) vuggy lt. brown f.g. qtz + calcite veins near top (@ 231'). Tr. sulfides (chiefly py) throughout (↑ at bottom) but mainly as thin lam // to fol. (@ 256') or along hairline fractures (+ cleavage planes) - @ 255'.

45° ca @ 228'
47° ca @ 237'
45° ca @ 240'

HOLE No.

HOLE NO: DM-17	URANERZ EXPLO[illegible] AND MINING	PAGE 8

FOOTAGE		CORE LOG	SAMPLE	
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (F
		258' - 387'. Dk green f.g. essentially massive chloritic aphl. mafic volcanic grading down & intermixed with a more int. volcanic (similar in color but ↑ SiO_2) @ ≈ 355'. V. f.g. fgy. smeared on mm thick fractures & along cleavage surfaces throughout unit. Qtz. veins cutting unit; some containing cp, py, & mt (@ 317') - 4 cm. thick @ ≈ 45° ca — vuggy as well.		
		20° ca @ 260'		
		25° ca @ 292'		
		sub // ca @ 333'		
		Qtz veins (often vuggy) + calcite @ 271', 278', 280', 284', 288', 295', 302' - 303', 317', 325', 326', 328', 323' - 333' (// to ca), 340', 341', 355'		
		374' - 387'. Rusty brown (lim.) staining of volcanic; ↑ towards bottom.		
		Lost core @ 300' - 316' (40% rec.) 350' - 359' (60% rec.) 359' - 365' (70% rec.) 370' - 387' (30% rec.) 269' - 272', 274', 293' - 294' } Blocky.		

HOLE No.

) _E NO: DM-17	URANERZ EXPL') N AND MINING	PAGE

FOOTAGE		CORE LOG	SA	
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FR (F
387'	402'	SEDIMENTS Med - c.g. lt brown lsm + lim. -cong. ark - subark. Mod. fractured (20° - 40° ca) Conglomeratic @ 390', 394'		
		402' : END OF HOLE		

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-18

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST —

NORTH —

ELEVATION +10.24

DRILL GRID LOCATION

EAST 53+00

NORTH 14+06

ACID TEST

FOOTAGE

INCLINATION

DIP 90°

AZIMUTH —

DRILLING CONTRACTOR BRADLEY

RIG No: 1

CASING SIZE BW

BIT SIZE

CORE SIZE BQ

LENGTH 162 ft

COMMENCED 13/2/81 A.M.

COMPLETED 14/2/81 P.M.

CASING REMOVED ☐ YES ☑ NO

PLASTIC PIPE (LENGTH) 162 ft

CORE STORED IN CAMIE RIVER.

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 / ±71

PROBE SN 208 / G3 15/A ± 151

OPERATOR R. SHAW.

DATE 15/2/81

CORE LOGGED

BY M. CANNULI

DATE 15/2/81

CHEMICAL ASSAYS

LAB NONE

DATE

LE 10: OM-18	URANERZ EXPL[illegible] AND MINING	PAGE 1

FOOTAGE		CORE LOG	CH SAM
FROM	TO	GEOLOGICAL DESCRIPTION	NO. / FRO (F
0	49	overburden	
49	103	Sediments - medium to coarse-grained sub-arkosic quartz pebble conglomerate - minor quartzite - most greenish "fresh" sediments, occasional irregular hematized sections, some more kaolinized sections towards unconformity. Some limonitic sections - some irregularly-spaced fractures at low-moderate c.a.; fractures hematized, some with kaolin but most fresh.	
		49'-88' - grey to green medium to coarse-grained sub-arkosic quartz pebble conglomerate - minor quartzite quartzitic sections 52-54' 56.5-58' 65.2-67.5' hematization (irregular) 50-51.7', 56-56.1', 58-60.3' 61.5'-65.2	

HOLE No.

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
		lost core nil fracturing 50.6' → 10° to c.a. 56.8' → 25° to c.a. 58.4' → 35° to c.a. 64.0' → 10° to c.a. radioactivity (SPP-2) background = 40cps high = 50cps.
88'	103'	pale green to yellow (limonite) medium to coarse-grained sub arkosic quartz pebble cgl. - portions are hematized; some limonized hematization 94.7' – 95.2' 97.2' – 100.1' limonitization 95.9' – 97' 101.4' – 102.5' lost core nil

CHS
SAMPL
NO. | FROM (FT.)

HOLE No.

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
		fracturing 89.2' → 30° to c.a. (limonitized) 90' → 33° to c.a. (") 91.5' → 25° to c.a. (") 93.1' → 15° to c.a (")
103'	162'	Basement - Banded and massive intermediate volcanics. - Some very narrow (mm) graphitic bands // foliation - uppermost few feet highly altered i.e. sericitized, kaolinized; with minor hematite
	103'-106'	altered basement rxs - begins with kaolinized, hematitic sericite mass and grades downward into sericite schist - at 105' remnant volcanic bands are discernable
	106-107'	Tectonized intemediate volcanics - banded int. volcanics which have been brecciated & rehealed

CHE SAMP NO.	FROM (FT.)

HOLE No.

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	CORE REC. %	SAMPLE NO.	SAMPLE FROM (FT)

- Some remnant banding at 25° to C.a.

foliation
106' → 25° to C.a.

107' - 162' — medium grey banded and massive intermediate volcanics; predominantly sericite schist
- Some narrow graphitic bands (mm)
- a few narrow (inches) tectonized zones
- no major alteration.

107 - 110.2 → banded int. vol cs.

foliation
107-110.2 = 25° to C.a.

micro faults
107-110.2 = 90° to foliation (reverse fault).

110.2' - 162' — medium grey massive to faintly banded int. volcs.

foliations
113.5' = 15° to C.a (weak fol.)
116.0' = 40° to C.a (strong fol.)
118.0' → 30° to C.a. (weak fol)

FOOTAGE | CORE LOG | CHIP SAMPLE

FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)

foliations

121.2' = 30° to C.a.
125.6' = 40° to C.a.
139.5' = 50° to C.a.
143.0' = 27° to C.a.
150.0' = 15° to C.a.
154.5' = 18° To C.a.
158.0' = 27° to C.a.
162.0' = 30° to C.a

fracturing + faulting

107.5' → fracture filled with qtz + pyrite (1mm wide)
→ 25° to C.a. (65° to foliation)
str. ⊥ To foliation

109.0' → micro-faulting (reverse)
fault planes ⊥ To foliation
ie. strike ~ North
dip ~ 45°
filled with qtz + pyrite
some minor brecciation

113.0' → fracturing - ∥ strike to foliation
① 70° To C.a.
② 20° To C.a.

115.5' → fracturing - 60° To strike of foliation
5° To C.a.

HOLE No.

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
		117.0' → micro-faulting → ⊥ to strike of foliation. dip ~ 80° to c.a.
3 c.c		120.0' → brecciation → ∥ to foliation zone is 1-2 cm wide → recryst. qtz minor hematization
		123.0' → fault breccia → strike at 60° to foliation; dip ≈ 30° to core axis 1-2 cm wide zone of recryst. qtz + pyrite.
		149.1' - 151.0 → brecciation ∥ to banded int foliation; some recryst. quartz + pyrite (2 foot section) → volcanic breccia?
		153.5' → same as above.
48.8		158.5' - 161.5' → micro-faulting → ① strike ∥ to foliation; dip ≈ 60° to c.a. reverse faults. zone about 3 feet of section.
		lost core: 125.6'-126' → ground core; 134-138' → 50% recovery; ground up core; 150'-152 → ground up core
		radioactivity: 30 cps (SPP2)
		162' → END OF HOLE

SAMPLE NO.	SAMPLE FROM (FT.)

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-19

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST

NORTH

ELEVATION -1.4m

DRILL GRID LOCATION

EAST 54+52E

NORTH 13+39N

OM

ACID TEST

FOOTAGE	321'			
INCLINATION	-79°			

DIP -79°

AZIMUTH 345°

DRILLING CONTRACTOR BRADLEY

RIG No: 1

CASING SIZE BW

BIT SIZE

CORE SIZE BQ.

LENGTH 321 ft.

COMMENCED 15/2/81

COMPLETED 17/2/81

CASING REMOVED ☐ YES ☑ NO

PLASTIC PIPE (LENGTH) 321 FT

DOWN HOLE LOGGING

INSTRUMENT MT. SOPRIS 2500 /=71

PROBE SN 208/6375/A = 151

OPERATOR B. SHAW

DATE 17/2/81.

CORE STORED IN CAMIE RIVER

CORE LOGGED

BY M. CANNULI

DATE 17/2/81

CHEMICAL ASSAYS

LAB

DATE

HOLE NO: CN-19 | URANERZ EXPLORATION AND MINING | PAGE 1

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
0	38	Overburden
38	266	OTISH SEDIMENTS — medium to coarse grained arkosic sandstone + medium to coarse grained arkosic quartz pebble conglomerate - Sections of hematized SS and conglomer. - chloritized sections of broken core + chlorite along fracture surfaces; some of these are radioactive. - much fracturing in following footages: 1) 82' - 90' 2) 97' - 104' 3) 110' - 112' 4) 146' - 150' 5) 153' - 156' 6) 164' - 168' 7) 169' - 171' 8) 173' - 175' 9) 182' - 185' 10) 188' - 190' 11) 193' - 196' 12) 197' - 205' 13) 218' - 228' 14) 263' - 266' - kaolinized section 193' - 227' - small sections of low grade mineral. in middle & bottom of Otish sediments

SAMPLE NO.	SAMPLE FROM (FT.)

HOLE No.

DOCKET | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.	SAMPLE FROM (FT.)
38	159.	UPPER ORTISH SEDIMENTS — medium to coarse-grained (less than 50% conglomerate) arkosic quartzites with conglomeratic interbeds — some cm and meter sections of hematization — some mm (along fractures) to cms sections of chloritized sediment — limonitization is relatively minor with only 1 or two cm long examples — broken core associated with chloritized sections — kaolinitization relatively minor		
		hematized sections: 43.5' - 48.5'		
		52.0' - 55.0'		
		60.0' - 61.0'		
		63.0' - 66.0'		
		78.0' - 79.0'		
		83.0' - 85.0'		
		99.0' - 100.0'		
		121.5' - 123.5'		
		130.7' - 131.0'		
		136.5' - 136.8'		
		140.0' - 140.8'		
		147.0' - 156.5'		
		chloritized sections: 48.0' - 48.1' (fractures)		
		49.0' - 49.2' (fractures)		

HOLE No.

HOLE NO: OM-19 | URANERZ EXPLORATION AND MINING | PAGE 3

CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION	CH SAMP NO.	CH SAMP FROM (FT.
		67.0' - 67.5' (fractures).		
		85.0' - 88.5' (breccia, fractures)		
		97.5' - 100.0' (breccia fractures)		
		102.0' - 103.5' (fractures)		
		116.4' - 117.0' (fractures).		
		124.1' - 124.8' (fractures)		
		146.7' - 147.0' (")		
		148.3' - 148.9' (")		
		151.0' - 152.0' (")		
		Fracture orientation: 40.5' → 30° to C.a.		
		43.0' → 15° " "		
		45.0' → 30° " "		
		51.2' → 35° " "		
		54.3' → 30° " "		
		61.0' → 5° " "		
		64.4' → conjugate set; opposing dips 15° to C.a.		
		68.0' → 38° to C.a.		
		71.0' → conjugate set same dips 0° & 15° to C.a.		
		Quartz vein: 73.5' - 73.6'		
		fractures: 74.8' → 38° to Ca.		
		78.0 → 15° to C.a dips at rt angles.		
		88.0' → 10° to C.a + minor pyrite		

HOLE No.

HOLE NO: OM-19 | URANERZ EXPLORATION AND MINING | PAGE 1

OC GE | COR LOG | CH

FROM	TO	GEOLOGICAL DESCRIPTION		SAMP NO.	FROM (FT.)
		fractures:	92.0' → 0-5° to c.a		
			98.0' → 10° to c.a		
			→ chloritized		
			102.0' → 0° to c.a + chl.		
			105' → 30° to c.a		
			114' → 30° to c.a.		
			120' → 5° to c.a.		
			123' → 30° to c.a		
			128' → 30° " "		
			131' → 60° " "		
			139' → 15° " "		
			141.5' → 20° " "		
			145.0' → 15° " "		
			157.0' → conjugate set; "		
			strikes: 0° + 15° to		
			c.a		
159	266	Lower Otish Sediments	- medium to coarse-grained		
		(75% conglomerate)	arkosic quartz pebble		
			conglomerate		
			- minor komatitic sections		
			- major section of kaolinization		
			+ chlorite		
			- same section as above is		
			highly fractured and brecciated		
			- small mineralized sections		
			well above unconformity.		
			- 257 - 266 TRANSITION ZONE		
			brecciated chloritized seds.		

HOLE No.

DC GE | COR LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		hematized sections: 174.5' - 178.2'
		chloritized sections: - ubiquitous chloritized fractures from 174' to 227'.
		: heavily chloritized sections ① 174.5' - 175.0'
		unconf → ⑦ 263' - 266'
		kaolinized sections: 200' - 211'
		- parts of this section mildly hematitic
		- all section associated with intense fracturing and brecciation
		fracturing and brecciation: most intense in a few major sections
		1) 187½' - 189'
		2) 193' - 197'
		3) 200' - 208'
		4) 210' - 211'
		5) 218' - 227'
		6) 262 - 264'
		mineralized sections: 1) 193 - 195 → 300cps
		2) 246 - 247 → 600cps
		high background rad sections 200' - 211'

CH SAMPL

NO.	FROM (FT.)

HOLE No.

HOLE NO: OM-19. | URANERZ EXPLORATION AND MINING | PAGE 6

CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION	CHEM SAMP NO.	CHEM SAMP FROM (FT.)
		fractures: 160' → 5-10° to C.a.		
		" → 30° " "		
		166' → 30° to ca.		
		169' → 30° " "		
		173' → 35° " "		
		181.5' → 38° " "		
		190' → 20° " "		
		195' → 10° to C.a.		
		198' → 40° to C.a.		
		201-203' → 5° to 10° to C.a		
		212' → 35° to C.a.		
		220-221' → 5 to 10° to C.a.		
		226' → 40° to C.a.		
		and 5° to C.a.		
		243' → 30° to C.a.		
		246-250' → 30° to C.a.		
		252' → 20° to C.a.		
		257' → 20° to C.a.		
		263' → 5 to 10° to C.a.		
		sulfides → 263.8 → 266 (TRANSITION ZONE)		
			HOLE No.	

DOC BE | COR OG | CH SAMP

FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FRO (FT.
266	321.	Basement Rocks - BRECCIATED + CHLORITIZED rhyolitic + inter. volcs with a few meters of brecciated cherty sediments with sulfides + graphite (minor)		
		266'-294' BRECCIATED rhyolitic + inter. VOLCANICS - probably originally a banded tuff - most of original foliation has been disrupted - some recrystallized quartz + pyrite along fractures. - minor amounts of graphite along foliations - alteration is predominantly CHLORITIZATION		
		Graphitic sections: 278' - 278.8' 284.5' - 287' (+ch. + sulfides)		
		cherty sections: 268' - 271' 273.2' - 275.0' 278.5' - 282' 285.5' - 288'		
		rhyolitic sections: 271 - 273.2' 275 - 278.5' 282 - 285.5' 288 - 294'		
		sulfides: 266' - 268.7' (in fractures 1-5%)		

HOLE No.

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	CORE REC. %	SAMPLE NO.	SAMPLE FROM (FT)
		sulfides: 273'-276' (disseminated <1%).			
		291-321' brecciated cherty metasediments + graphite + sulfides; minor rhyolitic intermediate volcanics.			
		294-303' - brecciated cherty metaseds			
		- 294-297' → 20-30% sulfides (pyrite) around recrystallized quartz grains, some minor graphite			
		297-303 <1% disseminated sulfides			
		303'-321' - brecciated rhyolitic → intermediate volcs			
266	321	fractures + brecciation → 80% of basement rks are brecciated + rehealed. Probably pre-Otish formation as "volcanic breccia" ie. roughly syngenetic, or shortly thereafter.			
		lost core			
		276-286 → 70% core recovery			
		286-294 → 85% core recovery			
		294-297 → 66% " "			
		297-302 → 60% " "			
		302-end → 95% core recovery.			

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	CORE REC. %	SAMPLE NO.	SAMPLE F(
266	321	fracture orientations 268' → 2 conjugate ⊥ to strike of foliation; both 40° to c.a 271.8' → 15° to c.a. 290' → 45° " " 305' → 25° to c.a. 312' → 30° to c.a (⊥ to S1)			
		foliations 268' → 40° to c.a. 271.8' → 40° to c.a. 277' → 22° to c.a. 312' → 30° to c.a			
		321 - END OF HOLE			

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-20

PROPERTY: Camie River

CLAIM No: _____

MAIN GRID LOCATION

EAST _____
NORTH _____
ELEVATION _____

DRILL GRID LOCATION

EAST 24+00
NORTH 19+15

ACID TEST
FOOTAGE
INCLINATION

-			
-			

DIP -90°
AZIMUTH _____

DRILLING CONTRACTOR Bradley
RIG No: 2
CASING SIZE BW
BIT SIZE _____
CORE SIZE BQ

LENGTH 68 ft.
COMMENCED 19 February 1981
COMPLETED 20 February 1981

CASING REMOVED ☐ YES ☒ NO
PLASTIC PIPE (LENGTH) -

CORE STORED IN Camie River

DOWN HOLE LOGGING

INSTRUMENT Mt.Sopris 2500/#71
PROBE SN208/6375/A #151
OPERATOR B. Shaw
DATE 20 February 1981

CORE LOGGED
BY M. Cannuli
DATE 21 February 1981

CHEMICAL ASSAYS
LAB _____
DATE _____

FORM MOA - 34

HOLE NO: OM-20 | URANERZ EXPLORATION AND MINING | PAGE 1 OF 2

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
0'	23'	overburden
23'	30'	Lower Indicateur Fm - Coarse grained arkosic pebble conglomerate
		- Increasingly volcanic pebble towards bottom
		- Increasingly chloritic towards bottom
		- dip ~ 30°
		- no radioactivity
		- contact with basement rocks quite sharp.
30'	68'	Basement - graphitic and pyrite volcanic exhalites; some short sections of
		rhyolite; some sections of cherty volcanic sediments.
		- much of section is massive graphite with up to 50% sulfides.
		- exhalites show syngenetic (soft sediment) deformation features
		as well as (later) brittle deformation.
		30'-33.2' - volcanic breccia with up to 70% sulfides & graphite and fragments
		of acid volcanics.
		- predominant sulfide is pyrite.
		- sulfides fills matrix around volcanic fragments.
		33.2'-37.5' - banded cherty volcanic sediments with < 5% sulfides // to foliation.
		- some graphitic bands // foliation $S_1 \rightarrow 40^\circ$ to c.a.
		37.5'-46.0' - banded graphite and sulfides.
		- up to 20% sulfides over 1 ft. sections .
		- 70% graphite.
		- thin bands of chert
		$S_1 \rightarrow 65^\circ$ to c.a.
		46.0'-49.7' - brecciated rhyolitic volcanics with minor sulfides, minor hematite.

CHEMICAL ASSAY

SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)

HOLE No. OM-20

HOLE NO: OM-20 | URANERZ EXPLORATION AND MINING | PAGE 2 OF 2

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	CHEMICAL ASSAY — SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)
		49.7'-53.7' - well banded inter. tuff				
		- less than 1% sulfides, graphite				
		- some fracturing				
		S_1 → 25° to c.a.				
		53.7'-55.0' - erosional debris; sharp erosional break at 55.0'				
		- mostly quartz fragments ~ 1 cm across in a sandy matrix.				
		- slightly radioactive.				
		55.0'-57.0' - volcanic breccia				
		- cherty with minor sulfides and graphite.				
		57.0'-58.0' - banded rhyolitic volcanics				
		S_1 = 30° to c.a.				
		58.0'-68.0' - graphitic volcanic breccia				
		- cherty with up to 20% sulfides in some 1 ft. sections.				
		- massive graphite (up to 80%)				
		- some minor kaolinitization at 64.0'				
		End of hole 68.0'				

HOLE No. OM-20

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-21

PROPERTY: Camie River

CLAIM No: _____

MAIN GRID LOCATION

EAST _____
NORTH _____
ELEVATION _____

DRILL GRID LOCATION

EAST 24+00
NORTH 18+65

ACID TEST

FOOTAGE	312			
INCLINATION	-50°			

DIP -50°
AZIMUTH 345 ft.

DRILLING CONTRACTOR Bradley
RIG No: 2
CASING SIZE BW
BIT SIZE _____
CORE SIZE BQ

LENGTH 312 ft.
COMMENCED 22 February 1981
COMPLETED 24 February 1981

CASING REMOVED ☒ YES ☐ NO
PLASTIC PIPE (LENGTH) Nil

CORE STORED IN Camie River

DOWN HOLE LOGGING

INSTRUMENT Mt.Sopris 2500 # 71
PROBE SN208/6375/A #151
OPERATOR B. Shaw
DATE 24 February 1981

CORE LOGGED

BY M. Cannuli
DATE 25 February 1981

CHEMICAL ASSAYS

LAB _____
DATE _____

FORM MQA-34

HOLE NO: OM-21 | URANERZ EXPLORATION AND MINING | PAGE 1 OF 3

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
0'	33'	Overburden
33'	312'	Basement Rocks
		33'-229' - Massive basic to intermediate lavas, small inter. sections.
		monotonous, a few quartz-filled fractures, no alteration.
		Foliations
		62 ft. → 20° to c.a. (weak)
		72 ft. → 27° to c.a.
		87 ft. → 30° to c.a.
		139 ft. → 45° to c.a.
		165 ft. → 42° to c.a. (weak)
		179 ft. → 42° to c.a. (weak)
		224 ft. → 45° to c.a. (weak)
		229'-237' - Rhyolitic volcanics (breccia)
		- light gray sericite schist composed of brecciated lavas.
		- minute amounts of pyrite in disseminations // foliation.
		Foliation → 47° to c.a.
		237'-250' - Pyritic, graphitic volcanic exhalite
		- with large amounts of vein quartz
		- some cherty sections (< 4 ft.)
		- exhalite section is mottled showing syndepositional deformation
		(soft sediment)
		(contd. next page)

CHEMICAL ASSAY

SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	CHEMICAL ASSAY — SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)
		Foliations				
		239 ft. → 30° to c.a.				
		245 ft. → 45° to c.a.				
		Quartz veins (- pyrite)				
		242 ft. → 244 ft.				
		245 ft. → 245.5 ft.				
		250'-312' - Massive to well-banded intermediate to mafic volcanics (chloritic - garnet magnetite)				
		- some cherty bands				
		- some disseminated in streaks & around quartz "blebs"				
		- lowermost part contains round porphyroblasts of pink mineral (garnet?)				
		Foliations				
		262 ft. → 35° to c.a.				
		274 ft. → 43° to c.a.				
		290 ft. → 35° to c.a.				
		300 ft. → 32° to c.a.				
		309 ft. → 25° to c.a.				
		Core recovery				
		33 ft.-50 ft. → 90%				
		50 ft.-70 ft. → 80%				
		70 ft.-90 ft. → 100%				
		90 ft.-110 ft. → 85%				
		110 ft.-130 ft. → 90%				
		136.5 ft.-155.5 ft. → 95%				
		155.5 ft.-174.5 ft. → 95%				

(contd. next page)

HOLE NO: OM-21	URANERZ EXPLORATION AND MINING	PAGE 3 OF 3

FOOTAGE		CORE LOG	CHEMICAL ASSAY			
			SAMPLE			U_3O_8 (ppm)
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)	
		Core recovery (contd.)				
		174.5 ft.-190.0 ft. → 77%				
		190 ft. -206.7 ft. → 70%				
		206.7 ft.-224.4 ft. → 87%				
		224.4 ft.-240.2 ft. → 80%				
		240.2 ft.-257.9 ft. → 85%				
		257.9 ft.-275.3 ft. → 90%				
		275.3 ft.-294 ft. → 95%				
		294 ft.-312 ft. → 90%				
		Fracturing				
		- most highly fractured in vicinity of volcanic exhalite				
		- vein quartz probably along high angle fault (242-245 ft.)				
		Radioactivity				
		background ~ 25 cps				
		graphitic zones ~ 50 cps				
		End of Hole 312 ft.				

HOLE No. OM-21

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-22

PROPERTY: Camie River

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 20+00E
NORTH 17+40N

ACID TEST

FOOTAGE	-	-	-	-
INCLINATION	-	-	-	-

DIP -90°
AZIMUTH -

DRILLING CONTRACTOR Bradley
RIG No: 1
CASING SIZE
BIT SIZE BW
CORE SIZE BQ

LENGTH 507 ft.
COMMENCED 21 February 1981
COMPLETED 25 February 1981

CASING REMOVED ☒ YES ☐ NO
PLASTIC PIPE (LENGTH) Nil

DOWN HOLE LOGGING

INSTRUMENT Mt. Sopris 2500 # 71
PROBE SN 208/6375/A #151
OPERATOR B. Shaw
DATE 25 February 1981

CORE STORED IN Camie River

CORE LOGGED
BY M. Cannuli
DATE 25 February 1981

CHEMICAL ASSAYS
LAB
DATE

HOLE NO: OM-22	URANERZ EXPLORATION AND MINING	PAGE 1 OF 2

FOOTAGE		CORE LOG	CHEMICAL ASSAY			
			SAMPLE			U_3O_8
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)	(ppm)
0'	20'	Overburden				
20'	424'	Otish Sediments				
		20'-375' - Upper Indicateur Fm.				
		- gray medium to coarse-grained arkosic quartzite.				
		∧ 68° ca. to 40.3' - very little alteration; a few patches of hematite.				
		15° ca. at 57' - very little lost or broken core, a few fractures.				
		25° ca. at 106.8'				
		15° ca. at 131' Hematitic Sections				
		14° ca. at 171' 62.2'-62.8' 320'-322'				
		22° ca. at 194' 74.5' 335'-335.5'				
		17° ca. at 202' 162.0'				
		25° ca. at 246' 162.5'				
		15° ca. at 269' 178.4'				
		28° ca. at 290'				
		Limonitic Sections				
		∧ 77° ca. at 32' 244.8'-246'				
		375'-424' - Lower Indicateur Fm.				
		- gray coarse-grained arkosic quartz pebble conglomerate				
		∧ 65° ca. at 382' - fresh, unaltered, increasingly greenish in				
		lowest 1 metre.				
		- small spots of hematitic alteration at 410'				
		∫ mainly in interval 376-379'				
		20-40° to c.a.				
			HOLE No. OM-22			

HOLE NO: OM-22		URANERZ EXPLORATION AND MINING	PAGE 2 OF 2					
FOOTAGE		CORE LOG	CHEMICAL ASSAY					
			SAMPLE			U_3O_8 (ppm)		
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)			
424'	507'	Basement Volcanics - banded intermediate volcanics in uppermost part						
		- massive basic volcanics in lowermost part						
		- pyrite "bands" & "blebs" associated with inter. volcanics;						
		pyrrhetite with basic volcanics.						
		- sulfides occur in quite massive pockets of cm dimensions						
		but comprise < 5% of total volcanics (i.e. not an HEM conductor)						
		424'-434' - banded intermediate volcanics						
		- predominantly bands of pale green sericite with small						
		traces of chlorite & sulfides.						
		∠ 45° to c.a. at 425'						
		43° to c.a. at 432'						
		434'-507' - massive basic volcanics						
		- mostly chlorite with "blebs" of pyrrhotite, a little pyrite.						
			HOLE No. OM-22					

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-23

PROPERTY: Camie River

CLAIM No: _____

MAIN GRID LOCATION

EAST _____
NORTH _____
ELEVATION _____

DRILL GRID LOCATION

EAST 12+00
NORTH 17+50

ACID TEST
FOOTAGE
INCLINATION

-	-	-	-
-	-	-	-

DIP -90°
AZIMUTH -

DRILLING CONTRACTOR Bradley
RIG No: 2
CASING SIZE BW
BIT SIZE _____
CORE SIZE BQ

LENGTH 353 ft.
COMMENCED 1 March 1981
COMPLETED 2 March, 1981

DOWN HOLE LOGGING

CASING REMOVED ☒ YES ☐ NO
PLASTIC PIPE (LENGTH) 353 ft.

INSTRUMENT Mt. Sopris 2500/#71
PROBE SN 208/6375/A/ #151
OPERATOR B. Shaw
DATE 12 March, 1981

CORE STORED IN Camie River

CORE LOGGED
BY M. Cannuli
DATE 2 March 1981

CHEMICAL ASSAYS
LAB _____
DATE _____

HOLE NO: OM-23	URANERZ EXPLORATION AND MINING	PAGE 1 OF 3

FOOTAGE		CORE LOG	CHEMICAL ASSAY					
			SAMPLE			U_3O_8		
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)	(ppm)		
0'	62'	Overburden						
62'	118'	Upper Indicateur Fm. - gray coarse-grained arkosic quartz sandstone.						
		- much fracturing, lost core						
		- vuggy sections.						
		- alteration predominantly hematitic, a little limonite,						
		minor kaolinitization.						
		- no anomalous radioactivity						
		Lost core						
		62 ft.-98 ft. → 50% recovery (ground core)						
		98 ft.-118 ft. → 100% recovery						
		62 ft. → 20° to c.a.						
		70 ft. → 15° to c.a.						
		116 ft. → 5° to c.a.						
		Vuggy sections						
		68'-107'						
118'	157'	Lower Indicateur Fm. - gray coarse-grained arkosic quartz pebble conglomerate.						
		- quite fresh, small patches of hematite and limonite.						
		- some vuggy sections (118'-128').						
		- no anomalous radioactivity.						
157'	353'	Basement Volcanics - large section (5') of hematized regolith.						
		- upper intermediate volcanics.						
		- large graphitic section followed by massive hematized pyrite,						
		graphite.						
		- lowermost part is flow-banded basic volcanics.						

HOLE No. OM-23

HOLE NO: OM-23		URANERZ EXPLORATION AND MINING	PAGE 2 OF 3					
FOOTAGE		CORE LOG	CHEMICAL ASSAY					
			SAMPLE			U_3O_8		
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)	(ppm)		
		157'-163' - Massive hematite & quartz fragments (altered sandstone or volcanics).						
		163'-173' - Banded intermediate volcanics						
		⊢ 173' → 45°						
		173'-181' - Massive graphite						
		- syndepositional slumping						
		⊢ 180' → 40° to c.a.						
		- slightly radioactive						
		→ 75-100 cps.						
		181'-186' - Hematized massive pyrite						
		- radioactive ~ 200 cps.						
		- upper part is massive hematite; lower part has remnant massive pyrite.						
		186'-188' - Massive pyrite						
		188'-192' - Massive graphite (same as above)						
		192'-196' - Brecciated rhyolite lava - fractures filled with hematite						
		196'-198' - Massive graphite + 10% pyrite						
			HOLE No. OM-23					

FOOTAGE FROM	FOOTAGE TO	CORE LOG GEOLOGICAL DESCRIPTION	CHEMICAL ASSAY SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)		
		198'-353' - Flow banded basic lavas						
		- hematized in spots in upper 15 feet.						
		⊢ 206' → 30°						
		217' → 25° to c.a.						
		227' → 15° to c.a.						
		230'-353' 0° to 5° to c.a.						
		353' end of hole						

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-24

PROPERTY: Camie River

CLAIM No: _____

MAIN GRID LOCATION

EAST _____
NORTH _____
ELEVATION _____

DRILL GRID LOCATION

EAST 20+00
NORTH 17+20

ACID TEST
FOOTAGE
INCLINATION

DIP - 90°
AZIMUTH _____

DRILLING CONTRACTOR BRADLEY
RIG No: 1
CASING SIZE BW
BIT SIZE _____
CORE SIZE BQ

LENGTH 557'
COMMENCED 27 February 1981
COMPLETED 01 March 1981

CASING REMOVED ☒ YES ☐ NO
PLASTIC PIPE (LENGTH) Yes

CORE STORED IN Camie River

DOWN HOLE LOGGING

INSTRUMENT Mt. Sopris #2500 #71
PROBE SN 208
OPERATOR B. Shaw
DATE _____

CORE LOGGED

BY M. Cannuli
DATE 01 March 1981

CHEMICAL ASSAYS

LAB _____
DATE _____

FORM MQA - 34

HOLE NO: OM - 24 | URANERZ EXPLORATION AND MINING | PAGE 1 OF 4

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
0'	15'	Overburden
15'	363'	Upper Indicateur Fm - grey medium to coarse-grained arkosic quartz sandstone
		- two major sections of broken and altered core; in these sections predominant alteration is limonite and kaolin. (±hematite)
		- Small amounts of radioactivity associated with alteration.
		Broken and altered core
		1.) 128'-163' intermittently fractures have hematite, limonite and kaolin.
		139' → 25° to c.a. up to 55° to c.a.
		154' → 20° to c.a.
		162' → 20° to c.a.
		radioactivity → 150' - 160' ~ 100 cps
		vuggy qtz vein at 152'

CHEMICAL ASSAY

SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)

HOLE No. OM - 24

HOLE NO: OM- 24	URANERZ EXPLORATION AND MINING	PAGE 2 OF 4

FOOTAGE		CORE LOG	CHEMICAL ASSAY					
			SAMPLE			U_3O_8 (ppm)		
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)			
		2.) 197' - 217'						
		- very porous and broken core						
		- limonitization and kaolin.						
		(no hematite)						
		- minor amounts of chlorite						
		" fractures						
		186' → 25° to c.a. (quartz in fracture)						
		⌐ 202' → 0-10° to c.a. (chlorite) radioactivity →						
		slightly higher (100 cps) from 202' - 217'						
		3.) 220' - 223'						
		- porous, kaolinized broken core						
		- some fractures with chlorite						
		⌐ 220' → 15° to c.a.						
		⌐ 225' → 20° to c.a.						
		no above normal radioactivity.						
		- rest of Upper Otish section very monotonous						
		- intermittent fractures ± chlorite some slightly radioactive.						
		Fractures at small ∠ to c.a.						
		⌐ 273' - 275' chlorite filled fracture 70 cps.						

HOLE NO: OM- 24	URANERZ EXPLORATION AND MINING	PAGE 3 OF 4

FOOTAGE		CORE LOG	CHEMICAL ASSAY					
			SAMPLE			U_3O_8		
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)	(ppm)		
363'	413'	Lower Indicateur Fm - Coarse-grained arkosic quartz pebble congl.						
		- relatively fresh, sharp lower contact with basement.						
		- increasingly greenish towards base.						
413'	557'	Basement volcanics - small section of banded intermediate volcanics						
		- underlain by large section of cherty, pyritiferous exhalite						
		- underlain by thick section of massive graphite and pyrite						
		- followed by cherty pyr. exhalite.						
		- increasingly mafic towards base						
		413' - 420' - banded intermediate volcanics with blebs of pyrite towards base						
		↙ 413' → 47° to c.a.						
		420' - 455' - cherty pyritiferous exhalite with sections rich in graphite (pyrite).						
		- graphitic sections						
		→ 424' - 427'						
		436' - 437'						
		↙ 423' → 35° to c.a.						
		428' → 45° to c.a.						
		442' → 20° to c.a.						

HOLE NO: OM-24	URANERZ EXPLORATION AND MINING	PAGE 4 OF 4

FOOTAGE		CORE LOG	CHEMICAL ASSAY					
			SAMPLE			U_3O_8 (ppm)		
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)			
		- 455' - 483' - massive graphite with pyrite						
		interspersed (5-20%)						
		- some banding is preserved						
		- syngenetic slumping and later brecciation						
		/ - 460' - 470' → sub-parallel to c.a.						
		470' → 20° to c.a.						
		475' → 30° to c.a.						
		483' → 20° to c.a.						
		- 483' - 513' - cherty, pyritiferous exhalite						
		- some very massive sections of pyrite.						
		- most of core has 10-30% pyrite						
		massive pyrite						
		500'-508'						
		/ 513' → 5° to c.a.						
		- 513'-533' - banded to massive intermediate lavas with pyrite						
		- average 10-20% pyrite						
		- 533'-538' - Massive pyrite						
		70-80%						
		- 538'-557' - basic volcanics						
		- massive, essentially chlorite						
		- 557' - end of hole						
		HOLE No. OM - 24						

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-25

PROPERTY: Camie River

CLAIM No:

MAIN GRID LOCATION

EAST

NORTH

ELEVATION 61.9 m

DRILL GRID LOCATION

EAST 20+00

NORTH 17+30

ACID TEST

FOOTAGE	503'			
INCLINATION	-88°			

DIP - 90°

AZIMUTH

DRILLING CONTRACTOR Bradley

RIG No: 1

CASING SIZE BW

BIT SIZE

CORE SIZE BQ

LENGTH 503 ft.

COMMENCED 01 March 1981

COMPLETED 15 March 1981 *

CASING REMOVED ☒ YES ☐ NO

PLASTIC PIPE (LENGTH) 503 ft.

CORE STORED IN Camie River

DOWN HOLE LOGGING

INSTRUMENT Mt. Sopris #2500 #71

PROBE SN 208

OPERATOR B. Shaw

DATE 15 March 1981

CORE LOGGED

BY M. Cannuli

DATE 16 March 1981

CHEMICAL ASSAYS

LAB

DATE

* Mid-Season break-04 March to 10 March 1981

FORM MQA-34

HOLE NO: OM-25		URANERZ EXPLORATION AND MINING	PAGE 1 OF 1						
FOOTAGE		CORE LOG	CHEMICAL ASSAY						
			SAMPLE			U_3O_8 (ppm)			
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)				
0	35 ft.	Overburden							
35'	365'	Upper Indicateur Fm. - coarse-grained arkosic quartz sandstone							
		- mostly unaltered and not very fractured							
		- one section characterized by broken core and fractured							
		rock with hematitic and (earlier) sericitic alteration							
		(147 ft. - 152 ft.)							
		- rest of section is unaltered with only minor hematitic							
		alteration in spots and fractures.							
		- no anomalous radioactivity.							
365'	418'	Lower Indicateur Fm - coarse-grained arkosic quartz pebble congl.							
		- greenish (chlorite ?) in lowermost 10 ft + 1% pyrite							
		- unaltered except for small patches of hem.							
		- unconformity quite distinct							
		- no anomalous radioactivity							
418'	503'	Basement Volcanics - well banded - inter-volcanics and pyrite "blebs" grading							
		downwards into massive basic lavas.							
		418 - 430' - well banded inter-volcanics, sericite and chlorite rich							
		layer, occasional "blebs" of pyrite and minor pyrrhotite							
		430 - 503' - massive basic lavas pyrrhotite "blebs" minor pyrite							
		End of hole 503 ft.							
			HOLE No. OM - 25						

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-26

PROPERTY: Camie River

CLAIM No:

MAIN GRID LOCATION

EAST

NORTH

ELEVATION 56.4 m

DRILL GRID LOCATION

EAST 12 + 00

NORTH 17 + 50

ACID TEST

FOOTAGE

INCLINATION

DIP -82°

AZIMUTH 165°

DRILLING CONTRACTOR Bradley

RIG No: 2

CASING SIZE BW

BIT SIZE

CORE SIZE BQ

LENGTH 233 ft.

COMMENCED 02 March 1981

COMPLETED 13 March 1981 *

CASING REMOVED ☒ YES ☐ NO

PLASTIC PIPE (LENGTH) Yes (233')

CORE STORED IN Camie River

DOWN HOLE LOGGING

INSTRUMENT Mt. Sopris 2500 # 71

PROBE SN 208

OPERATOR B. Shaw

DATE 13 March 1981

CORE LOGGED

BY M. Cannuli

DATE 14 March 1981

CHEMICAL ASSAYS

LAB

DATE

* Mid-Season break 04 March 1981 to 10 March 1981

FORM MQA-34

HOLE NO: OM - 26 | URANERZ EXPLORATION AND MINING | PAGE 1 OF 2

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	CHEMICAL ASSAY — SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)
0'	59'	Overburden				
59'	115'	Upper Indicateur Fm → arkosic coarse-grained quartz sandstone ± congl. beds.				
		→ uppermost and lowermost part of section is hematized (+lesser hydroxides) in patches				
		→ most of altered sections are porous				
		→ multiple episodes of oxid. and reducing solutions since e.g. oxidized portions have fractures which are reduced.				
		→ mostly at low angle to c.a. Some fractures reduced; some oxidized.				
115'	165'	Lower Indicateur Fm → arkosic medium - coarse-grained quartz pebble conglomerate				
		→ large sections of "mottled" altered conglomerate.				
		→ these altered sections are also very porous.				
		→ Fe-hydroxides subordinate to hematite				
		→ bottom 8 feet of section (unconformity) is most altered; hematite and chlorite (?) very porous in parts and ground core.				
165'	233'	Basement volcanics → predominantly intermediate faintly banded tuff.				
		- upper part sericite schist (rhyolite ?)				
		middle chlorite and ser.				
		to bottom schist				
		(inter.)				

HOLE No. OM-26

HOLE NO: OM - 26

URANERZ EXPLORATION AND MINING

PAGE 2 OF 2

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
		upper 15 feet is irregular, hematized especially uppermost 2 feet.
		165' - 190' acid volcanics, predominantly faintly banded sericite schist
		∠ 168' → 35° to c.a.
		∠ 178' → 35° to c.a.
		∠ 190' → 30° to c.a.
		190' - 233' inter. volcanics; predominantly faintly banded sericite
		and chlorite schist
		∠ 195' → 5° to c.a.
		∠ 208' → 20° to c.a.
		∠ 230' → 20° to c.a.
		End of Hole → 233 ft.
		No anomalous radioactivity in this hole.

CHEMICAL ASSAY

SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)

HOLE No. OM - 26

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-27

PROPERTY: Camie River

CLAIM No: _____

MAIN GRID LOCATION

EAST _____

NORTH _____

ELEVATION 61.4 m

DRILL GRID LOCATION

EAST 20 + 00E

NORTH 17 + 00N

ACID TEST

FOOTAGE	477			
INCLINATION	-90°			

DIP - 90°

AZIMUTH _____

DRILLING CONTRACTOR Bradley

RIG No: 1

CASING SIZE BW

BIT SIZE _____

CORE SIZE BQ

LENGTH 477 ft.

COMMENCED 17 March 1981

COMPLETED 19 March 1981

CASING REMOVED ☒ YES ☐ NO

PLASTIC PIPE (LENGTH) 477 ft.

CORE STORED IN Camie River

DOWN HOLE LOGGING

INSTRUMENT Mt. Sopris 2500 # 71

PROBE SN 208

OPERATOR B. Shaw

DATE 19 March 1981

CORE LOGGED

BY C. Hébrard

DATE 20 March 1981

CHEMICAL ASSAYS

LAB _____

DATE _____

FORM MQA - 34

HOLE NO: OM - 27	URANERZ EXPLORATION AND MINING	PAGE 1 OF 3

FOOTAGE		CORE LOG	CHEMICAL ASSAY				
			SAMPLE			U_3O_8 (ppm)	
FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)		
0	16'	Overburden					
16	336'	Upper Indicateur Fm. - light green, fine to coarse-grained, arkosic conglom. sandstone					
		- Intense chloritization in three sections fractured and broken.					
		- Alterations are mostly limonite (minor hem.) in the uppermost section; mostly chlor. (minor hem. lim.)					
		180' in the lowermost section and mostly hematite in the center section (minor chl. and lim.)					
		- 20 to 40° to c.a. fractures frequently chloritized in center and lower sections.					
		- 140 - 150 c/s at 223' (SPP-2 NF) Higher B.G. 50-75 c/s (norm. 35 c/s) from 202' to 241'					
		- minor kaolinization through the section minor pyrite (some boxwork) 335'					
		97'-107' some parts are broken minor hematization and kaol.					
		202'-241' intense chloritization, fracture, boxwork (338'), broken core chl. in matrix and fracture 26' c.a. at 231' 17' c.a. at 238'					

HOLE NO: OM - 27 | URANERZ EXPLORATION AND MINING | PAGE 2 OF 3

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	CHEMICAL ASSAY — SAMPLE NO.	SAMPLE FROM (FT.)	SAMPLE TO (FT.)	U_3O_8 (ppm)
		241' - 297' silicification				
		∠ 10° c.a. at 281'				
		297' - 305' chloritization in matrix and fracture				
		Bg. 50 - 70 c/s				
		∠ ≃10° c.a. at 302'				
		5° c.a. at 305'				
		314' - 330' chloritization in matrix and fracture				
		∠ ≃ 10° c.a. at 314'				
		10° c.a. at 322'				
		25° c.a. at 330'				
336'	369'	Lower Indicateur Fm - light green coarse-grained quartz pebble conglom.				
		- strong chloritization in places				
		- radioactivity 280 c/s at 343'				
		associated with chl. broken core				
		341' - 343' Broken chloritized section 280 c/s (SPP-2 NF)				
		at 343' minor hematite.				
		chlorite mostly in fracture				
		calcite associated with hematite.				

HOLE No. OM - 27

O: OM - 27	URANERZ EXPLORATION AND MINING	PAGE 3 OF 3					
GE	CORE LOG	CHEMICAL ASSAY					
		SAMPLE			U_3O_8		
TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT.)	TO (FT.)	(ppm)		
477'	Basement - Acid faintly banded volcanics cut by a "slice"(?) of conglomerate						
	- Underlain by small graphitic layer (GR ≃ 5%) minor pyrite						
	- underlain by a faintly banded interm. volcanics that has a						
	graphitic zone in the middle (GR ≃5%) minor pyrite.						
	- underlain by a massive mafic volcanics (minor pyrite).						
	369' - 372' - light green faintly banded acid volcanic (sericite schist)						
	35° c.a. at 372'						
	372' - 377' - conglomerate polymictic (quartz, volc. clast)						
	very altered						
	faulted (minor)						
	377' - 378' - light green acid volc.						
	378' - 380' - graphitic (5%) banded volcanic minor pyrite sericite						
	380' - 407' - intermediate faintly banded volc. (tuff ?)						
	25° c.a. at 392'						
	60° c.a. at 402'						
	407' - 417' - graphitic (5%) banded volc. minor pyrite						
	35° c.a. at 410'						
	417' - 437' - faintly banded intermediate volc.						
	20° c.a. at 432'						
	437' - 477' - massive mafic volcanic minor pyrite (pyrrhotite ?) Quartz veins						
	No radioactivity in the basement						
	477' End of hole						

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: DM-28

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST

NORTH

ELEVATION

DRILL GRID LOCATION

EAST 28+00

NORTH 18+75

ACID TEST

FOOTAGE				
INCLINATION	487'			
	-90°			

DIP -90°

AZIMUTH

DRILLING CONTRACTOR BRADLEY

RIG No: 1

CASING SIZE BW

BIT SIZE

CORE SIZE BQ

LENGTH 487'

COMMENCED 21/03/81

COMPLETED 24/03/81

CASING REMOVED ☐ YES ☐ NO

PLASTIC PIPE (LENGTH) 487'

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500*71

PROBE SN 208

OPERATOR B. SHAW

DATE 24/03/81

CORE STORED IN CAMIE RIVER

CORE LOGGED

BY C. HEBBARD

DATE 24/03/81

CHEMICAL ASSAYS

LAB

DATE

FORM MOA-34

HOLE NO: OM 28	URANERZ EXPLORATION AND MININ	PAGE
FOOTAGE	CORE LOG	

FROM	TO	GEOLOGICAL DESCRIPTION
0	44	Overburden
44	311	<u>upper Indicator fm</u> – light green to grey fine to coarse grained arkosic conglom. SS.
		∠ 75° at 118' – alteration is mostly Lim from 44 TO 127' mostly Hem + lim from 127 TO 152' mostly Chl from 152' to 212' and Lim. (+ Hem) after. Some silicification
		∧ 16° at 110'
		15° at 200' – fractures are mostly Low angles (25° CA)
		35° at 272' – one major section of broken core (217'-247') Chloritic lim, kaolin, some lost core, high background 100 - 150 c/s (SPP2)
		122'-123' strongly kaolinised section. matrix was more friable.
		217'-247' 33% of lost core (average) matrix kaolinitized limonite (iron stain) chlorite, (minor HEM) SEAM from 220 to 222 150 c/s at 235' 50% of lost core between 217' and 237'

HOLE NO:	OM28	URANERZ EXPLORATION AND MININ	PAGE 2
FOOTAGE		CORE LOG	
FROM	TO	GEOLOGICAL DESCRIPTION	NO.

249' - 311' Some silicification in the section

311 383 Lower Indicateur fm – light green coarse grained Qtz peeble conglomerate underlain by a coarse grained polymict conglomerate.

– the polymict section is pale green (stronger alteration Chlorite)

– some hematization in the uppermost part of section

311 - 349' Qtz peeble conglom. Small polymict part a 337' - 337' 6"

/ 65° at 316' Hematization in the first 10'

– few high angles fracture (65° CA) almost // to axis

HOLE NO:		OM28	URANERZ EXPLORATION AND MININ	PAGE
FOOTAGE		CORE LOG		
FROM	TO	GEOLOGICAL DESCRIPTION		NO.

349 – 383

Polymict conglom.
Qtz and Volc. clasts.
Strong green alteration; very fine grained Mineral (Chlorite?)
Small late calcite veins.
the last 9" are strongly chloritized

383' 487' Basement

- a intermediate faintly banded Tuff
- underlain by faintly banded mafic lavas
- minor py, minor pyrrhotite.

383' – 472'

Faintly banded intermediate Tuff, minor ash clast.
minor pyrite (smear on plain)
minor pyrrhotite (497')

20° CA AT 388'
18° CA AT 410'
25° CA AT 432'
33° CA AT 452'
25° CA AT 487'
23° CA AT 492'

HOLE NO:	OM28	URANERZ EXPLORATION AND MININ	PAGE 4
FOOTAGE		CORE LOG	
FROM	TO	GEOLOGICAL DESCRIPTION	NO.

472' – 487' Dark green Faintly banded mafic volcanics
- chloritic shist
- minor py, minor Hem. minor pyrrhotite
25° CA at 481
No radioactivity in Basement

487' END OF HOLE

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-29

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST

NORTH

ELEVATION

DRILL GRID LOCATION

EAST 28+00E

NORTH 18+55N

ACID TEST

FOOTAGE	357'			
INCLINATION	-88°			

DIP -90°

AZIMUTH

DRILLING CONTRACTOR BRADLEY

RIG No: 1

CASING SIZE BW

BIT SIZE

CORE SIZE BQ

LENGTH 357'

COMMENCED 24/03/81

COMPLETED 26/03/81

CASING REMOVED ☐ YES ☐ NO

PLASTIC PIPE (LENGTH) 357'

CORE STORED IN Camie River

DOWN HOLE LOGGING

INSTRUMENT Mt Sopris 2500-71

PROBE SN 208

OPERATOR B. SHAW

DATE 26/03/81

CORE LOGGED

BY C. Hebrard

DATE 26/03/81

CHEMICAL ASSAYS

LAB

DATE

FORM MOA-34

HOLE NO: OM29 | URANERZ EXPLORATION AND MININ | PAGE

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
0	60	Overburden
60	227	Upper Indicateur Fm. – light green to grey fine to coarse grained arkosic conglomeratic S.S.

/ 85' 75° CA
/ 104' 10° CA

– alteration is minor: Hem, chl, lim. most important is silicification
– kaolinization + hem are mostly at the uppermost third, and mostly lim + chl + silicif. for the rest
– few low angle (≃ 20° CA) fracture some chl on fractures

86.5 - 87.5 strong kaol.n

104 - 106' strong Hem

106' - 110' strong Kaol
Broken core
texture destroyed

201 - 202' strong Hem + CHl.

SAMPLE NO. | FROM (FT

HOLE No.

FROM	TO	GEOLOGICAL DESCRIPTION
227	316	Lower Indicator Fm. – light green coarse grained Qtz pebble conglomerate (227'-288') – underlain by a polymict coarse grained conglomerate (Volcs & Qtz clasts) (288'-316') – Alteration of the upper part is mostly Lim (with chlor & Hem) the last 10' of this sect. are affected by a light green fine grained mineral (apple grn). – Alt of the lowermost sect. is mostly that apple grn. fine grained alteration. (chl?) 291'-292' : Broken core; Kaol? 305'-306' : idem
316	357'	Basement – Dark grey Cherty Breccia zone with Qtz, chert fragment, sulfides – underlain by a faintly Banded intermediate volc. which contains a finer zone of Graphite, Minor Py (Smear on fract.) – the lowermost Graphitic zone (3') contains radioact 'core' (1250 c/s SPP2-NF).

SAM
NO. | FRO (F

HOLE No.

HOLE NO: OM-29 | URANERZ EXPLORATI[illegible] AND MININ[illegible] | PAGE [illegible]

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION	NO.	FROM (FT)
		316' - 328' Dark grey Breccia, containing Qtz and Chert clast, reworked. Sulfide -10% Pyrite, pyrrhotite. Qtz rextallized ∠15° CA at 321'		
		328' - 357' light green faintly banded intermediate Volcanic Sericite (chlorite?) in matrix minor py (on fract plans) ∠25° CA at 331 12° CA at 337' 25° CA at 340 20° CA at 352'		
		332' - 332.5' Graphite minor Py-pyrgels in Volc.		
		339' - 340' IDEM pyrrhotite, some py Qtz veins		
		342' - 343' Graphite Bands		
		344' - 349' Meagre graphitic sect. associated with Py, pyrrhotite Qtz rextallized late(?) calcite associated with mineralization 1250 c/s (SPP2) at 345'		

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-30

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 16+00 E
NORTH 17+17 N

ACID TEST

FOOTAGE				
INCLINATION	517'			
	-90°			

DIP -90°
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 2
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 517'
COMMENCED 15/03/81
COMPLETED 20/03/81

CASING REMOVED ☐ YES ☑ NO
PLASTIC PIPE (LENGTH) 517 ft.

DOWN HOLE LOGGING

INSTRUMENT Mt Sopris #2500 #2
PROBE SN 208
OPERATOR B. SHAW
DATE 20/03/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY M. CANNELI
DATE 21/03/81

CHEMICAL ASSAYS
LAB
DATE

FORM MOA-34

HOLE NO: OM-30	URANERZ EXPLORATION AND MININ	PAGE 1

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION	SAMPLE NO.	SAMPLE FROM (F
0	48ft	overburden		
48	312	Upper Indicateur Fm. – coarse-grained arkosic quartz sandstone – sections of hematite + Fe-hydroxides (alteration); also porous – minor sections of kaolinitization		
		altered sections: 90 ft – 100 ft ⇒ hem alt., vuggy porosity, minor Fe-hydroxidis 112 ft – 114 ft ⇒ kaolinitized section, broken core 129 – 132 ft ⇒ discont. inions hem. alt. 175 – 177 ft ⇒ only kaolin + sand remains		

57.6

HOLE NO: Om-30	URANERZ EXPLORATION AND MININ	PAGE 2
FOOTAGE	CORE LOG	

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.
		181 – 184ft → hem. & limi alter. + much kaolin in parts – vuggy	
		200 – 210 → Spotty hem. ± lim alt.	
		224 – 235 → spotty lim ± hem alt.	
		244 – 247 – hem + limi	
		249 – 269 – broken + lost core some hem	
		270 – 275 – porous sections hem + limi alt along fractures. – very minor chlorito	
		291 – 292 – intense hem + lim.	

no anomalous radioactivity

HOLE NO: OM-30	URANERZ EXPLORATION AND MININ	PAGE
FOOTAGE	CORE LOG	

FROM	TO	GEOLOGICAL DESCRIPTION	NO.
312	360	Lower Indicateur Fm – Coarse-grained arkosic quartz pebble cngl. – greenish in lower 5 feet – "Seam" at 337'-343' recorded on 2500 but not on SPP2 (missing section) – small section of hem alteration at 321'-322' RADIOACTIVITY ON 2500 ~1600 cps missing core ⇒ 337'-343' broken core ⇒ 347'-352'	
360	517	Basement Volcanics – predominantly exhalitives with large sections of pyrite + pyrrhotite and banded pyritiferous graphite; minor cherty sediments and acid-int. volcanics – refolding produced repetition of section e.g. 385' – mafic and [illegible]	

HOLE NO:	10m-30	URANERZ EXPLORATION AND MININ
FOOTAGE		CORE LOG
FROM	TO	GEOLOGICAL DESCRIPTION

NO.

breccia zones within volcanics (the later are younger).

- lowermost section contains a significant amount of pyrrhotite (with pyrite).

360 - 374' → banded intermediate (?) volcanics consisting of chlorite-rich and sericite(?)-rich bands.

+ 370' → 38° to c.a.

374' - 385' → - volcanic breccia contains fragments of banded chert + acid volcs.
- some massive sections of pyrite

385' - 387' → well-banded int. volcanics → consisting of layers of chlorite and chert
- within 2' section dip changes from steeply to one direction then other direction (overturning)
(0 - 20° to c.a.

HOLE NO:	OM-30	URANERZ EXPLORATION AND MININ	PAGE
FOOTAGE		CORE LOG	
FROM	TO	GEOLOGICAL DESCRIPTION	NO.

387' – 415' – volcanic breccia (sulfides +) – similar to unit above

- composition of fragments changes throughout section from predominantly acid and banded intermediate (up to 400') and back to acid (banded chert)
- contains about 60% sulfides as matrix to the volcanic fragments although some sections are 95% sulfide – predominantly pyrite with some pyrrhotite
- fragments appear to be of stratigraphically lower units (which in this section are topographically high . . . see overturning 385')

415' – 421' – graphite & pyrite:

upper → graphite fragments in pyrite matrix

+420' → 30° to C.A. lower → banded graphite + pyrite (this is also strongly [illegible])

HOLE NO:	OM-30	URANERZ EXPLORATION AND MININ	PAGE
FOOTAGE		CORE LOG	SA
FROM	TO	GEOLOGICAL DESCRIPTION	NO. / F

421' – 440' – volcanic breccia + sulfides
- blocks of banded acid volcanics & banded chert
- some sections have banding intact (blocks)
- about 10% sulfides (average) (pyrite & pyrrhotite

440' – 451' – banded graphite & sulfides (mostly pyrite)
- some high angle faults

444' → 18° to c.a.

451' – 471' – massive sulfides & volcanic fragments
- sulfides mostly pyrite
- fragments mostly chert & acid volcanics

HOLE NO:	OM-30	URANERZ EXPLORATION AND MININ	PAGE
FOOTAGE		CORE LOG	
FROM	TO	GEOLOGICAL DESCRIPTION	NO.

- about 80-90% sulfides

471' – 480' – graphite & pyrite breccia with a few bands of acid volcanics (Fuchsite? at 472')

472' → 25° to C.a

480' – 517' → Volcanic breccia & sulfides

→ mostly acid volc. fragments (chert)

→ predominantly pyrite with some pyrrhotite

END OF HOLE at 517'

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: CM-381

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 16+00
NORTH 16+97

ACID TEST

FOOTAGE	402			
INCLINATION	-90°			

DIP -90°
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 2
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 402 ft
COMMENCED 21/03/81
COMPLETED 23/03/81

CASING REMOVED ☒ YES ☐ NO
PLASTIC PIPE (LENGTH) 402 ft

CORE STORED IN CAMIE RIVER

DOWN HOLE LOGGING

INSTRUMENT MF SOPRS 2500 #71
PROBE SN 208
OPERATOR B. SHAW
DATE 23/03/81

CORE LOGGED
BY M. Cannuli
DATE 23/03/81

CHEMICAL ASSAYS
LAB
DATE

FORM MOA-34

HOLE NO: OM-31 | URANERZ EXPLORATION AND MININ | PAGE 1

CORE LOG

FOOTAGE FROM	FOOTAGE TO	GEOLOGICAL DESCRIPTION
0	50	OVERBURDEN
50	287	Upper INDICATEUR FORMATION - coarse grained arkosic quartz sandstone. - fairly fresh some alteration near top of hole, midway & near bottom - top altered zone has broken core & much ground core alteration 62'-75' -kaolin + minor hem + limonite - broken core 76'-78' - hem. & lim., vuggy. 170'-182' -patches of hem. & silicification 239-241' - hem. & silicification 267-269' Same

SAMPLE NO. | FROM (illegible)

HOLE NO:		OM-31	URANERZ EXPLORATION AND MININ	PAGE 2
FOOTAGE		CORE LOG		
FROM	TO	GEOLOGICAL DESCRIPTION		SAMPLE NO.
287	349	Lower Indicateur Fm	– Coarse grained arkosic quartz pebble conglomerate – Some kaolin & hem alteration – Sharp contact with basement	
		alteration	293 – 300' → kaolin, minor hem. 327' – 330 → same	
349	402	Basement Volcanics	– Massive Intermediate Tuff – Some faintly banded sections	
			⊥ 365' → 35° to C.a. ⊥ 392' → 20° to C.a. ⊥ 402' → 5° to C.a.	
		402' END OF HOLE		

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-32

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 16+00E
NORTH 17+37N

ACID TEST

FOOTAGE				
INCLINATION	423'			
	-90°			

DIP -90°
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 2
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 423'
COMMENCED 24/03/81
COMPLETED 26/03/81

CASING REMOVED ☐ YES ☐ NO
PLASTIC PIPE (LENGTH) 423'

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 "U"
PROBE SN 208
OPERATOR B. SHAW
DATE 26/03/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY M. CANNUCK
DATE 26/03/81

CHEMICAL ASSAYS
LAB
DATE

FORM MQA-34

HOLE NO:	DM-32	URANERZ EXPLORATION AND MININ	PAGE 1
FOOTAGE		CORE LOG	SAMPLE NO. / FROM / TO
FROM	TO	GEOLOGICAL DESCRIPTION	
0	41	OVERBURDEN	
41	317	UPPER INDICATEUR FM. - COARSE-GRAINED ARKOSIC QUARTZ SANDSTONE	
		- a few minor intervals of broken core	
		- a few minor sections of alteration	
		broken core - 105'-107'	
		224'-226'	
		229'-247' (much missing core)	
		alteration - 143'-147' (spotty hematite ± limonite)	
		155'-160' " "	
		215'-222' hem + clay	
		229'-231' " "	
		286'-307' Spotty hem + limonite	
		no anomalous radioactivity	

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
317	357	LOWER INDICATEUR Fm - Coarse-grained arkosic quartz pebble conglomerate - hematitic alteration in basal 15 feet - volcanic clasts in basal 5 feet
357	423	Basement Volcanics - basalt flows - a bit of flow banding in places ↓ 381' → 15° to C.A. 390' → 15° to C.A. 400' → 18° to C.A. 420' → 0° to C.A. no anomalous radioactivity

SAMPLE NO. | FROM (FT)

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-33

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 22+00 E
NORTH 67+75N

ACID TEST

FOOTAGE	567'			
INCLINATION	-89°			

DIP -90°
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 2
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 567'
COMMENCED 27/03/81
COMPLETED 29/03/81

CASING REMOVED ☐ YES ☐ NO
PLASTIC PIPE (LENGTH) 567ft

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 #71
PROBE SN 208
OPERATOR B. SHAW
DATE 29/03/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY M. CANNELLI
DATE 29/03/81

CHEMICAL ASSAYS
LAB
DATE

FORM MOA-34

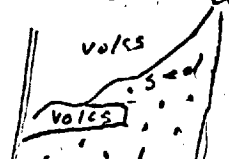
HOLE NO: QM-33 | URANERZ EXPLORATION AND MINING | PAGE 1

BOTTLE | CORE LOGGING | CH

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.	SAMPLE FROM (FT)
0	31	OVERBURDEN		
31	99	Basement Volcanics → Intermediate Volcanics - faintly banded in some sections - predominantly grey sericite + chlorite - quartz veins at 43', 46', 71' at 10-30° to c.a. ↓ 43', 15° to c.a. 55', 36° " " 70', 36° " " 80', 35° to c.a. 92', 20° to c.a.		
1		FAULT - last foot of section is broken, brecciated, with some vein quartz.		
99	172	Upper Indicateur Formation - coarse-grained arkosic quartz sandstone - coal towards bottom - upper 1 foot is slightly chloritized		

HOLE No.

BOREHOLE CORE LOGGING

FROM	TO	GEOLOGICAL DESCRIPTION
		– rest of section is quite fresh.
		– brecciation in lower 30 feet
		– contact with underlying volcanics is not seen (broken rock)
		No anomalous radioactivity
		FAULT CONTACT
172	305	Basement Volcanics → Massive & banded intermediate volcanics
		– slightly more acid than volcanics above.
		– uppermost 80' intensely brecciated (fault); observable microfault planes predominantly parallel to bedding or at small angle to it. quartz veins in middle of section
		– lowermost 20' intensely brecciated
		– contact with sediments is preserved as a fault contact
		fault contact – appears as a thrust.  steep overall angle (65°)

SAMPLE NO. | FROM (FT)

HOLE No.

BOTTLE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		+ 247' — 15° to c.a.
		265' — 30° to c.a.
		287' — 30° to c.a.
		302' — 10° to c.a.
305'	400'	FAULT CONTACT Lower Indicateur Formation — . Coarse-grained arkosic quartz pebble congl. - lowermost 15 feet is greenish & contains volcanic clasts. - lower contact is conformable
		mineralization — 356' - 357' - brecciated congl. + chlorite & sericite - pink mineral & bronze mineral // bedding - chlorite & sericite // bedding and along micro faults
		faulting — 0° to c.a & 10° to c.a.

CH SAM NO. FRC (FT

HOLE No.

HOLE NO: OM-33 | URANERZ EXPLORATION AND MINING | PAGE

BOT. E | COR. G | CH

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.	SAMPLE FROM (FT)
400'	416	Basement Volcanics — massive & banded intermediate Volcanics + graphite		
		— same as Int. Volcanics at station above this one.		
		— conformable upper contact		
		— lower contact probably fault contact (graphite)		
		413 – 416 — banded graphite + pyrite + 20 to 10° to C.A.		
		Fault contact		
416	457	Upper Indicateur Form — coarse-grained arkosic quartz ss		
457	514	Lower Indicateur Fm — coarse grained arkosic quartz pebble cgl.		
514	527	Fault slices of Basement volcanics (Banded chert) and Lowermost Indicateur Fm (greenish, volcanic clasts) — MAYBE BOULDERS OF BASEMENT MATERIAL (6 feet of basement) (7 feet of ss)		

HOLE No.

HOLE NO: Om-33 | URANERZ EXPLORATION AND MINING | PAGE 5

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
527	567	Basement Volcanics – well banded intermediate volcs. + at 527' to 537' ~ 20° to c.a. at 537' change in direction of dips 537' to 545' ~ 30° to c.a 545 to 567' ~ 20° to c.a. END OF HOLE 567'

SAMPLE NO. | FROM (F

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: DM-34

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 28+00 E
NORTH 18+35N

ACID TEST

FOOTAGE	327'			
INCLINATION	-88°			

DIP -90°
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 1
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 327'
COMMENCED 27/03/81
COMPLETED 30/03/81

CASING REMOVED ☐ YES ☐ NO
PLASTIC PIPE (LENGTH) 327'

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 "N"
PROBE SN 208
OPERATOR B. SHAW.
DATE 30/03/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY C. HEBBARD
DATE 31/03/81

CHEMICAL ASSAYS
LAB
DATE

FORM NOA 76

HOLE NO: OM 34 | URANERZ EXPLORATION AND MINING | PAGE 1

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
0	60	OVERBURDEN
60	186	Upper Indicateur Fm

- light green fine to coarse grained arkosic conglom. ss.
- three major zone of Broken & altered core
- the alteration of the uppermost zone is mostly Hem, of the second zone is mostly CHL + Lim and in the lowermost it's CHL : Lim
- the Powermost zone is radioactive (130 c/s at 135', SPP2-NF)
- the Basal 40' are relatively fresh and unbroken

60'-91' Section is very Broken, Strong Hem, Kaol. Minor Lim. Sweet ground

102'-117' Broken core Limonitization + CHL minor kaolinization, Fracturation

127'-147' Strongly altered section, matrix destroyed by place. Strongly CHL. + lim minor Hem. Core lost (between 127'-132') radioactive between 127-132' max 135' (130 c/s) SPP2

SAMPLE NO. | FROM (FT)

HOLE No.

HOLE NO: OM34 | URANERZ EXPLORATION AND MINING | PAGE 2

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
186'	286'	**Lower Indicator Fm** — light green coarse grained Qtz pebble conglomerate — underlain by a strong green polymict conglom (Qtz & volc. clasts) — Lim is major alt for upper part, and a pervasive Apple green alt + chl are dominant in the lower part. — No radioactivity
186' – 255'		light green coarse grained Qtz pebble conglomerate. Limonit. by place + minor Hem relatively fresh and unfractured
255' – 286'		Apple green polymict conglomerate (altered volc. clast Qtz clast). Pervasive green alt. last 4' are chloritized (in matrix)

SAMPLE NO. | FROM (FT)

HOLE No.

HOLE NO: Om-34 | URANERZ EXPLORATION AND MINING | PAGE <

BOTTLE | CORE LOG | CH

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.	SAMPLE FROM (FT
286'	327'	Basement - Faintly Banded dark grey intermediate (?) Volcanics. - Minor py on bedding - First 5' contains volcanics clasts (minor) - cut by few Qtz and calcite veins / 25° CA at 292' 25° CA at 302' 18° CA at 306' 18° CA at 315' 8° CA at 322'		

HOLE No.

TOTAL 8342'

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-35

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 38+30 E
NORTH 14+50N

ACID TEST

FOOTAGE	428			
INCLINATION	-84°	West		

DIP -90°
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 1
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 428 ft
COMMENCED 01/04/81
COMPLETED 04/04/81

CASING REMOVED ☑ YES ☐ NO
PLASTIC PIPE (LENGTH) 428 ft

DOWN HOLE LOGGING

INSTRUMENT MT Sopris 2500 #V
PROBE SU 208
OPERATOR B. SHAW
DATE 04/04/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY M. CANNAN
DATE 04/04/81

CHEMICAL ASSAYS
LAB
DATE

FORM MOA-34

HOLE NO: Om-35 | URANERZ EXPLORATION AND MINING | PAGE 1

BOTTLE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.	SAMPLE FROM (FT.)
0	76	OVERBURDEN		
76	310	UPPER INDICATEUR FORMATION – COARSE-GRAINED ARKOSIC QUARTZ SANDSTONE. – alteration is predominantly chloritic & this prevails in lower half of section. – upper half of section has some spotty chloritic alteration but hematitic alteration predominates. – fracturing is scattered throughout the formation, usually at low to moderate angles to core axis (0–30°) <u>alteration</u> 115'–130' → pred. hem with chlorite chlorite appears to be earlier 150–151' → "grey" alteration (albitization?) subc? 165–167' → "grey" alteration subc?		

HOLE No.

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
		172'-175' → "grey" alteration (silicification &/or albitization?)
		190-200' → "grey" alteration (silicif and/or albitization?) Chlorite in fractures + interstitially.
		217'-218' → "grey" alteration
		237'-238' → " " + interstitial Chlorite.
		240-243' → " " "
		257'-276' → vertical fractures with chlorite, limonitization after? chlorite
		280'-295' → same as above
310	391	LOWER INDICATEUR FORMATION → COARSE-GRAINED ARKOSIC QUARTZ PEBBLE CONGLOMERATE - LOWERMOST 40 feet is greenish + contains numerous volcanic ~~fragments~~ clasts. - lowermost 20 feet is chloritized

SAMPLE NO. | FROM (FEET)

HOLE No.

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
391	428	BASEMENT Volcanics → predominantly massive sulfides, banded chert, & graphite. → graphitic section is highly radioactive

391' – 400' → Massive sulfides + volcanic fragments

uppermost part: predom. pyrite
lowermost part: predom. pyrrhotite

400' – 406' → Banded chert + Sulfide laminae
– faulting at low to moderate angles to c.a (10 – 30°)

400° – 402' → 25° to c.a
402' – 403' → 0° to c.a
404' → 40° to c.a
405' → 60° to c.a
} minor folding

406' – 428' → graphite + sulfides (some volc. breccia)

***

– highly mineralized zone from 410 – 415 where graphite has been brecciated & calcite introduced + pink carbonate mineral + chlorite

CORE RECOVERY:
403.5 – 411.7 → 95%
411.7 – 426.5 → 80%
426.5 – 428.1 → 40%

SPP2 Max. counts → 2000 cps

SAMPLE NO. | FROM (FT)

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: CM-36

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 40+00E
NORTH 13+90N

ACID TEST
FOOTAGE
INCLINATION

467'			

DIP -90°
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 2
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 467'
COMMENCED 02/04/81
COMPLETED 05/04/81

CASING REMOVED ☑ YES ☐ NO
PLASTIC PIPE (LENGTH) 467ft

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 #-71
PROBE SN 208
OPERATOR B. SHAW
DATE 05/04/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY C. HÉBERT
DATE 06/04/81

CHEMICAL ASSAYS
LAB
DATE

FORM MQA-34

HOLE NO: OM 36 | URANERZ EXPLORATION AND MINING | PAGE 1

BOTTLE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
0	57	Overburden
57	286	Upper Indicateur Fm – light green medium to coarse grained arkosic conglom., SS. – Some silicification cuccross section. Hematization in first 20' and after – Limonite. – Some broken core in the upper-most 60'. rest of section mostly unbroken – No radioactivity (30 - 50 c/s spec) 62' - 67' : strong Hemat. + minor Kaolin. 155 - 174 : Limonitization 207' - 272' : Limonitization + minor Chl. + Hem.

CH
SAM
NO. | FRO (FT

HOLE No.

BOTTLE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
236	400	Lower Jackfish fm — light green coarse grained qtz pebble conglomerate — underlain by a Apple green polymict conglomerate (Qtz + vole clasts) (372' - 400'). — Alteration of the upper part is chl + minor Lim, and in the lower part pervasive very fine grained apple green alteration (the last 3' contain chlorite — No radioactivity 292' - 331' Chlorite in matrix and fracture, minor Lim
400	467	Basement — small section of Banded intern Volc (1" Long) — Underlain by a Banded Graphite & pyrite section — underlain by foamy Banded intern. volc. — No radioactivity

SAMPLE NO. | FROM (FT)

HOLE No.

FOOTAGE | CORING

FROM	TO	GEOLOGICAL DESCRIPTION
		400'-400'1" Well Banded light green intermediate Volc. Pyrite & Graphite // to Bedding.
		X 23° CA. at 407'
		400'1"-421' Banded Graphitic section 5% Pyrite, frequently // to bedding and recrystallized by places (porphyro). 1% pyrrhotite, minor calcite
		X 36° CA at 408'
		28° CA at 416'
		421'-467' light grey intermediate Volcanics frequently banded, to last 20' are more massive minor graphite on X 17° CA at 430' plane
		18° CA at 435'
		20° CA at 448'
		467' End of hole

SAMPLE NO. | FROM (FT)

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: CM-37

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 38+30E
NORTH 14+60N

ACID TEST
FOOTAGE
INCLINATION

467'			

DIP -90
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 1
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 467 ft
COMMENCED 05/04/81
COMPLETED 07/04/81

CASING REMOVED ☑ YES ☐ NO
PLASTIC PIPE (LENGTH) 467

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 #71
PROBE SN 208
OPERATOR B. SHAW
DATE 07/04/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY M. CANNELLI
DATE 08/04/81

CHEMICAL ASSAYS
LAB
DATE

HOLE NO: om(-37 | URANERZ EXPLORATION AND MINING

CORING

DOTTE FROM	TO	GEOLOGICAL DESCRIPTION
0	80	OVERBURDEN
80	297	UPPER INDICATEUR Fm - COARSE-GRAINED ARKOSIC QUARTZ SANDSTONE - SPOTTY hematitic alteration 196'-198' 206'-208' 254'-255' - SPOTTY CHLORITIZATION (FRACTURE CONTROLLED) 176-177' 256'-257' 275-'277' 281'-282'
297'	435	LOWER INDICATEUR Fm - COARSE-GRAINED ARKOSIC QUARTZ PEBBLE CNGL; LOWERMOST 45ft CONTAINING ABUNDANT VOLCANIC CLASTS - LOWERMOST 45ft contains apple green - fine-grained mineral - predominant alteration is chloritization - much of section contains abundant sericite

CH
SAM
NO. | FRC (F

HOLE No.

HOLE NO: Om-37 | URANERZ EXPLORATION AND MINING | PAGE

FOOTAGE FROM	FOOTAGE TO	CORE LOG — GEOLOGICAL DESCRIPTION
		– lower Indicators more broken than upper Indicators
		Chloritized sections: 297'-302'; 304'-307'; 313'-314'; 317'-319'; 320'-321'; 350'-351' (broken core & sericitization here)
435	467	BASEMENT VOLCANICS
		BASIC FLOWS
		– SOME FLOW BANDING
		– MINOR DISEMINATED MAGNETITE & PYRITE – PYRRHOTITE
		+ 435'–442 → 0–10° to C.A.
		455' → 30° to C.A.
		460' → 10–20° to C.A.

SAMPLE NO.	SAMPLE FROM (FT)

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85 HOLE No: OM-38

PROPERTY: CAMIE RIVER CLAIM No:

MAIN GRID LOCATION

EAST
NORTH
ELEVATION

DRILL GRID LOCATION

EAST 40+00E
NORTH 13+70N

ACID TEST

FOOTAGE	407'			
INCLINATION				

DIP -90°
AZIMUTH

DRILLING CONTRACTOR BRADLEY
RIG No: 2
CASING SIZE BW
BIT SIZE
CORE SIZE BQ

LENGTH 407'
COMMENCED 06/04/81
COMPLETED 08/04/81

CASING REMOVED ☑ YES ☐ NO
PLASTIC PIPE (LENGTH) 407'

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 #71
PROBE SN 208
OPERATOR B. SHAW
DATE 8/04/81

CORE STORED IN CAMIE RIVER

CORE LOGGED
BY C. HEBRARD
DATE 8/04/81

CHEMICAL ASSAYS
LAB
DATE

FORM MQA-34

HOLE NO: OM38 | URANERZ EXPLORATION AND MINING | PAGE 1

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
0	70	Overburden
70	262	Upper Indicateur Fm — light green fine grained arkosic conglomeratic ss. — Lim + Hem alteration for the upper half (minor chl.) Lim + minor chl. for the Lower half. Some silicification & Kaolin: throw section — Some Broken core in the upper half — No radioactivity (30-50 c/s SPP2NF)
		32'-110' Some Limonitization, minor Hem.
		122'-173' Hematization, Some Lim. minor Chlorite on fracture planes. Some Fracturation (0-30° CA.)
		195'-235' Limonitization, minor Kaol. Chl. Some Fract.
		249'-262' Some Silicification

PAGE 1

SA

NO. | F

HOLE No

HOLE NO: COM38 | URANERZ EXPLORATION AND MINING | PAGE

CORE LOG

FOOTAGE FROM	TO	GEOLOGICAL DESCRIPTION	SA NO.
262'	374'	Lower Indicateur Fm. – Light to dark green arkosic Qtz pebble conglomerate underlain by an apple green polymict arkosic conglomerate – Alteration of upper part is chl. Fracturation some broken core, some Kaolinization – Alt. for Lower part is pervasive fine grained apple green mineral. The Basal 2' are more Chloritic. – No radioactivity. 262' - 345' Chloritic arkosic Qtz pebble conglomerate. Chloritic from 262' to 323' mostly. 345' - 374' Polymict conglom. (Qtz + vole. clast) some Kaolinization. Some fracturation	

HOLE No

HOLE NO: OM 38 | URANERZ EXPLORATION AND MINING | PAGE

CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
374'	407'	Basement – Dark grey Massive ~~mafic~~ intermediate volcanics – underlain by a massive intermediate graphitic volc. turning sometimes to banded graphite – underlain by a very faintly banded interm. volc. – Small spot of radioactivity (6") at 379' (450c/s SPP2-NF) Fracture. 374' - 376' – Dark grey massive interm. Volc minor graphite, py. 376' - 385' – Graphitic massive intermediate Volc Qtz veins. – Radioactive at 379' - 379'6" fracture, associated with graphite minor calcite. – Graphite at 379' & 384' 385' - 407' – Mostly massive interm volc. minor py, pyrrhotite. ∠ 38° at 384' 407' End of hole

HOLE No.

URANERZ EXPLORATION AND MINING LIMITED

DIAMOND DRILL LOG

PROJECT No: 71-85

HOLE No: OM-39

PROPERTY: CAMIE RIVER

CLAIM No:

MAIN GRID LOCATION

EAST

NORTH

ELEVATION

DRILL GRID LOCATION

EAST 38+30

NORTH 14+40

ACID TEST

FOOTAGE | 397' | | | |

INCLINATION | | | | |

DIP -90°

AZIMUTH

DRILLING CONTRACTOR BRADLEY

RIG No: 1

CASING SIZE B.W

BIT SIZE

CORE SIZE BQ

LENGTH 397 ft

COMMENCED 08/04/81

COMPLETED 10/04/81

CASING REMOVED ☑ YES ☐ NO

PLASTIC PIPE (LENGTH)

CORE STORED IN CAMIE RIVER

DOWN HOLE LOGGING

INSTRUMENT MT SOPRIS 2500 #71

PROBE SN 208

OPERATOR B. SHAW

DATE 10/04/81

CORE LOGGED

BY M. CANUTI

DATE 10/04/81

CHEMICAL ASSAYS

LAB

DATE

FORM MQA-34

HOLE NO: OM 39 | URANERZ EXPLORATION AND MINING | PAGE 1

FOOTAGE | CORE LOG

FROM	TO	GEOLOGICAL DESCRIPTION
0	80'	(24.4) OVERBURDEN
80	283	(86.3m) UPPER INDICATEUR FM - COARSE-GRAINED ARKOSIC QUARTZ SS. - alteration is minor consisting of small spots of hematization + Chlorite along fractures - broken core at 139 feet
283	369	(112.5) LOWER INDICATOR FM - COARSE-GRAINED ARKOSIC QUARTZ PEBBLE CNGL. - Dominant alteration is Chloritization (interstitial), mostly in uppermost ½ of section last 20 feet - lowermost 35 feet contains abundant angular volcanic fragments + apple green colour. - unconformity contact sharp.

SAMPLE | NO. | FROM (F

HOLE No.

HOLE NO: OM-39 | URANERZ EXPLORATION AND MINING | PAGE

DOME | CORING | CHEMICAL SAMPLE

FROM	TO	GEOLOGICAL DESCRIPTION	SAMPLE NO.	SAMPLE FROM (FT.)
369.	397	Basement Volcanics (121.0)		
		– Banded Graphite + Pyrite 10° to C.a + minor folds at 384'		
		– small section of banded acid volcanics 374-379'.		
		– non radioactive		
		END OF HOLE at 397		

HOLE No.

APPENDIX 3

GEOCHEMICAL SURVEY - SAMPLE DATA SHEETS

Track Etch, Helium, Soil Survey

LEGEND

TOPO :

TOP OF HILL	1
STEEP SLOPE	2
SHALLOW SLOPE	3
DEPRESSION	4
RIVER BANK	5
BOULDER FIELD	6

SOIL : Veget —

CONIFER	1
ALDER	2
SWAMP	3
BARREN	4

Color —

WHITE	1
BUFF	2
YELLOW	3
ORANGE	4
PINK	5
RED	6
BROWN	7
DARK BROWN	8
BLACK	9
GREY	10

GRAIN SIZE :

CLAY	1
SILT	2
FINE SAND	3
COARSE SAND (Including Pebbles)	4

DATE :

INSTALLED
REMOVED } Track Etch
SAMPLING He , Soil

GRID :

N: Northing
E: Easting

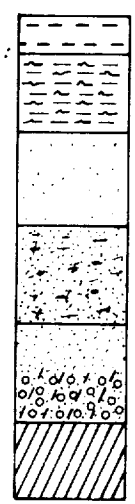
SOIL TEMP :

(c°)

AIR PRESSURE :

(m b)

HORIZON :



A_0 } Partly Decomposed Organic Debris
A_1 } Humus. Zone of Organic Accumulation. Dark Colored
A_2 } Zone of Leaching (Eluviation). Light Colored
B } Zone of Accumulation (Illuviation) Brown to Red — brown. Compact
C } Zone of Weathering Bedrock. Vestigial Bedrock Structures
D Bedrock

% of ORGANICS :

T.E. CUP : TRACK ETCH CUP #

CPS : COUNTS/SECOND (SPP-2 NF)

File/Doss. No. 25

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
01GF001	36701 50	08/06	L132 W 30+75 N	4	1	A_2	10	5	3	.5		
01GF002	36702 50	08/06	L133 W 30+63 N	4	1	A_2	10	20	4	.5		
01GF003	36703 50	08/06	L134 W 30+50 N	4	1	A_2	10	5	4	.5		
01GF004	36704 40	08/06	L135 W 30+65 N	?4	3	A_1	8	90	1	.5		
01GF005	36705 75	08/06	L136 W 30+80 N	4	1	A_2	10	5	4	.5		
01GF006	36706 50	08/06	L137 W 31 N	3	1	A_2	10	10	3	.25		
01GF007	36707 60	08/06	L138 W 31+25 N	1	1	A_2	10	5	4	.5		
01GF008	36708 50	08/06	L139 W 31+50 N	1	1	A_2	10	5	3	.25		
01GF009	36709 70	08/06	L140 W 31+75 N	1	1	A_2	8	60	3	.3		
01GF010	36710 40	08/06	L141 W 31+87 N	1	1	A_1	8	80	2	.3		
01GF011	36711 60	08/06	L142 W 32 N	1	1	A_2	10	5	3	.3		
01GF012	36712 70	08/06	L143 W 31+85 N	1	1	A_2	10	5	3	.3		
01GF013	36713 75	08/06	L144 W 31+75 N	3	1	A_1	8	80	1	.5		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
01GF014	36714 75	08/06	L 145W 31+75N	3	1	A_1	7	20	3	.3		
01GF015	36715 60	08/06	L146W 31+75N	3	1	A_2	10	05	3	.4		
01GF016	36716 100	08/06	L147W 31+63N	3	1	A_2	10	05	3	.25		
01GF017	36717 60	08/06	L148W 31+50N	3	1	A_2	8	30	4	.3		
01GF018	36718 80	08/06	L149W 31+75N	3	1	A_2	7	30	3	.3		
01GF019	36719 75	08/06	L150W 32N	1	1	A_2	7	30	3	.3		
01GF020	36720 60	08/06	L148W 28+70N	1	1	A_2	7	05	3	.3		
01GF021	36721 60	08/06	L147W 28+50	3	1	A_2	7	05	3	.3		
01GF022	36722 60	08/06	L146W 28+30N	4	1	A_1	7	20	3	.3		
01GF023	36723 55	08/06	L145W 28+25N	1	1	A_2	10	05	3	.3		
01GF024	36724 60	08/06	L144W 28+25N	1	1	A_2	10	05	3	.3		
01GF025	36725 60	08/06	L143W 28+25N	1	1	A_2	10	05	3	.4		
01GF026	36726 80	08/06	L142W 28+30N	1	1	A_1	7	30	3	.3		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO-LOR	% OR-GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
01GF027	36727 85	08/06	L 141 W 28+45N	1	1	A_1	7	15	3	.3		
01GF028	36728 100	08/06	L 140 W 28+55N	1	1	A_1	8	30	3	.3		
01GF029	36729 60	08/06	L 139 W 28+65N	1	1	A_2	10	05	3	.3		
01GF030	36730 75	08/06	L 138 W 28+75 N	1	1	A_2	10	05	3	.4		
01GF031	36731 75	08/06	L 137 W 28+45N	3	1	A_1	8	80	2	.4		
01GF032	36732 75	08/06	L 136 W 28+15N	3	1	A_2	7	05	4	.3		
01GF033	36733 80	08/06	L 135 W 28+20N	1	1	A_2	10	05	3	.3		
01GF034	36734 50	08/06	L 134 W 28+25N	1	1	A_2	10	05	3	.3		
01GF035	36735 95	09/06	L 83 W 25+85 N	9	1	A_1	8	60	2	.5		
01GF036	60	09/06	L 82+50W 25+85 N	1	1	A_2	10	05	2	.5	2	908
01GF037	36736 70	09/06	L 82 W 25+85 N	9	1	A_2	10	05	4	.3		
01GF038	50	09/06	L 81+50W 25+85N	4	3	A_1	8	80	1	.5	2	908
01GF039	36737 50	09/06	L 81 W 25+75N	9	1	A_1	8	80	2	.4		

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
01GF040	55	09/06	L80+50 W 25+80N	9	1	A_1	10	05	2	.3	2	908
01GF041	36738 75	09/06	L80 W 25+90 N	9	1	A_2	10	05	3	.3		
01GF042	50	09/06	L79+50W 25+95N	3	1	A_2	8	30	2	.5	04	910
01GF043	36739 20	09/06	L79 W 26 N	3	3	A_1	8	80	2	.3		
01GF044	50	09/06	L78+50W 26+05N	3	3	A_1	8	90	2	.5	07	910
01GF045	36740 50	09/06	L78W 26+10N	3	3	A_2	10	30	3	.6		
01GF046	25	09/06	L77+50W 26+15N	3	3	A_1	8	90	1	.5	07	910
01GF047	36741 25	09/06	L77W 26+20N	3	3	A_1	8	90	1	.4		
016F048	36742 70	12/06	L116W 22+95N	1	1	A_2	7	30	2	.3		~~933~~
016F049	85	12/06	L115+50W 22+90N	3	1	A_1	7	30	2	.3	8	933
016F050	36743 50	12/06	L115 W 22+85N	3	1	A_2	8	20	2	.4		
016F051	50	12/06	114+50W 22+80N	3	1	A_2	10	05	2	.4	6	934
016F052	36744 50	12/06	L114W 22+75N	3	1	A_1	8	75	1	.3		

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
16F053	75	12/06	L113+50 22+75N	3	1	A_2	7	50	2	.3	7	934
16F054	36745 55	12/06	L113W 22+85N	3	1	A_1	8	05	3	.4		
16F055	60	12/06	L112+50W 22+95N	2	1	A_2	8	30	2	.3	3	935
16F056	36746 80	12/06	L112W 23+25N	2	1	A_2	10	05	3	.3		
16F057	75	12/06	L111+50W 23+15N	1	1	A_2	8	75	1	.2	06	935
16F058	36747 60	12/06	L111W 23+05N	3	1	A_2	10	05	3	.3		
16F059	50	12/06	L110+50W 22+40N	1	1	A_1	8	50	2	.3	03	932
16F060	36748 50	12/06	L110W 22+75N	3	1	A_2	10	05	3	.3		
16F061	40	12/06	L109+50W 22+20N	1	1	A_1	7	60	2	.3	00	932
16F062	36749 45	12/06	L109W 22+55N	1	1	A_1	8	80	2	.2		
16F063	40	12/06	L108+50N 22+20N	1	1	A_1	7	80	2	.2	00	932
16F064	36750 40	12/06	L107+95 22+95N	1	1	A_1	8	80	1	.3		
16F065	115	12/06	L107+55 22+45N	3	1	A_2	7	50	2	.3	5	930

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO-LOR	% OR-GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
16F066	36751 80	12/06	L107W 22+95N	1	1	A_2	7	10	3	.3		
16F067	50	12/06	L106+50 22+95N	1	1	A_1	8	90	1	.4	00	930
16F068	36752 60	12/06	L106W 22+95N	3	1	A_2	10	10	3	.3		
16F069	50	12/06	105+50W 22+85N	3	1	A_1	8	90	1	.3	00	930
16F070	40	12/06	L105W 22+75N	1	1	A_1	8	90	1	.4	00	930
16F071	36753 60	12/06	L104+50W 22+70N	1	1	A_1	8	80	2	.4		
16F072	36754 65	12/06	L104W 22+60N	1	1	A_2	10	20	3	.3		
16F073	60	12/06	L103+50W 22+75N	3	1	A_2	8	80	1	.2	8	928
16F074	36755 60	12/06	L103W 22+75N	3	1	A_1	7	70	1	.3		
16F075	60	12/06	L102+50W 22+75N	3	1	A_2	10	05	2	.4	5	927
16F076	36756 50	12/06	L102W 22+85N	3	1	A_2	10	05	3	.4		
16F077	75	12/06	L101+50W 22+85N	3	1	A_2	10	10	2	.4	5	927
16F078	36757 60	12/06	L101W 22+45N	1	1	A_2	10	10	3	.4		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO-LOR	% OR-GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
16F079	60	12/06	100+50W 22+25N	1	1	A_1	8	60	1	.4	6	927
16F080	36758 60	12/06	L100W 22+85N	1	1	A_1	8	80	1	.4		
16F081	60	12/06	L99+50W 23+15N	1	1	A_1	8	80	1	.2	6	927
16F082	36759 60	12/06	L99W 23+45N	1	1	A_2	10	10	3	.3		
16F083	60	12/06	L98+50W 23+75N	1	1	A_1	8	80	1	.3	05	927
16F084	36760 60	12/06	L98+00W 24N	1	1	A_1	8	75	2	.3		
16F085	36761 65	15/06	L100W 29+10N	3	1	A_2	10	10	3	.4		
16F086	36762 110	15/06	L99W 28+85N	6	1	A_2	10	10	3	.3		
16F087	36763 70	15/06	L98W 28+60N	1	1	A_2	10	5	3	.3		
16F088	36764 50	15/06	L101W 29+30N	2	1	A_2	10	5	3	.4		
16F089	36765 60	15/06	L102W 29+50N	4	1	A_1	8	80	1	.4		
16F090	36766 60	15/06	L103W 29+50N	4	1	A_2	7	10	3	.4		
16F091	36767 55	15/06	L106W 29+65N	3	1	A_1	7	75	2	.4		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
16F092	36768 50	15/06	L105W 29+55N	1	1	B	7	40	3	.3		
16F093	36769 75	15/06	L104W 29+50N	1	1	A_1	B	95	2	.3		
16F094	36770 90	15/06	L107W 29+45N	3	1	A_2	10	5	4	.4		
16F095	36771 75	15/06	L108W 29+30N	2	1	A_2	10	10	4	.3		
16F096	36772 60	15/06	L109W 29+20N	3	1	A_2	7	10	4	.3		
16F097	36773 75	15/06	L110W 29+10N	4	1	A_2	10	5	4	.4		
16F098	36774 75	15/06	L112W 29N	4	1	A_1	8	85	2	.4		
16F099	36775 75	15/06	L113W 28+80N	6	1	A_2	10	15	3	.4		
16F100	36776 60	15/06	L113+50W 28+70N	4	1	A_2	10	5	3	.4		
16F101	36777 75	15/06	L114W 28+25N	4	1	A_1	8	90	2	.3		
1GF102	36778 60	17/06	90W 24+50N	6	1	A_2	7	10	2	.3		
1GF103	50	17/06	90+50W 24+40N	3	1	A_1	8	80	1	.3	8	925
1GF104	36779 55	17/06	91W 24+30N	3	1	B	7	20	2	.3		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 105	45	17/06	91+50 W 24+20 N	1	1	A_2	7	10	2	.3	6	926
IGF 106	36780 50	17/06	92 W 24+15 N	1	1	A_2	10	10	2	.4		
IGF 107	50	17/06	92+50 W 24+05 N	3	1	A_2	7	20	2	.3	6	925
IGF 108	36781 60	17/06	93 W 23+85 N	1	1	A_1	8	80	2	.3		
IGF 109	60	17/06	93 W 23+65 N	1	1	A_2	10	10	2	.3	7	925
IGF 110	36782 95	17/06	94 W 23+55 N	6	1	A_2	10	5	3	.3		
IGF 111	80	17/06	94+50 W 23+60 N	6	1	A_2	10	5	3	.4	8	925
IGF 112	36783 95	17/06	95 W 23+70 N	6	1	A_2	10	5	4	.3		
IGF 113	100	17/06	95+50 W 23+80 N	6	1	A_2	10	5	2	.3	4	925
IGF 114	36784 100	17/06	96 W 23+85 N	6	1	A_2	10	10	4	.3		
IGF 115	115	17/06	96+50 W 23+90 N	6	1	A_1	8	80	2	.2	7	927
IGF 116	36785 60	17/06	97 W 23+95 N	6	1	A_2	10	5	2	.4		
IGF 117	110	17/06	97+50 W 24 N	1	1	A_1	8	80	2	.4	0	927

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 118	110	17/06	89+50W 24+55 N	1	1	A_1	8	80	1	.4	4	926
IGF 119	36786 60	17/06	89 W 24+65 N	1	1	A_2	10	5	2	.3		
IGF 120	80	17/06	88+50W 24+70 N	6	1	B	7	30	2	.3	8	926
IGF 121	36787 60	17/06	88 W 24+80 N	6	1	A_2	10	5	3	.4		
IGF 122	90	17/06	87+50 W 24+65 N	6	1	A_2	7	20	2	.3	7	922
IGF 123	36788 100	17/06	87 W 24+50 N	6	1	B	7	20	2	.3		
IGF 124	75	17/06	86+50 W 24+35 N	6	1	A_2	7	30	2	.3	4	926
IGF 125	36789 75	17/06	86 W 24+20 N	6	1	A_2	7	15	3	.3		
IGF 126	90	17/06	85+50 W 24+70 N	6	1	A_2	7	10	2	.4	6	927
IGF 127	36790 95	17/06	85 W 25+20 N	6	1	B	7	25	2	.4		
IGF 128	85	17/06	84+50 W 24+80 N	4	1	A_1	9	60	1	.2	6	927
IGF 129	36791 80	17/06	84 W 24+40 N	4	1	A_2	10	10	4	.3		
IGF 130	50	17/06	83+50 W 24 N	4	1	A_1	9	80	1	.2	7	929

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
1 GF 131	36792 50	18/06	L 65 W 26+50 N	4	1	A_2	7	20	3	.4		
1 GF 132	40	18/06	64+50W 26+40N	4	1	A_2	7	40	2	.2	6	937
1 GF 133	25	18/06	65+50W 26+55N	4	3	A_1	8	80	1	.3	8	937
1 GF 134	25	18/06	L 66 W 26+65N	4	3	A_2	9	80	1	.3	6	938
1 GF 135	36793 60	18/06	66+50W 26+70N	1	1	B	7	20	2	.3		
1 GF 136	75	18/06	L 67W 26+80	4	1	A_1	8	90	2	.3	8	937
1 GF 137	36794 80	18/06	67+50W 26+85N	4	1	A_2	10	10	4	.4		
1 GF 138	55	18/06	68+50W 27+00N	4	1	B	7	20	2	.3	6	938
1 GF 139	36795 105	18/06	L 69 W 26+60 N	4	1	A_2	10	10	2	.4		
1 GF 140	100	18/06	69+50W 26+60N	3	1	A_1	9	90	1	.2	3	937
1 GF 141	36796 80	18/06	L 70 W 26+60N	3	1	A_2	10	15	4	.3		
1 GF 142	60	18/06	70+50W 26+60N	4	3	A_1	9	80	1	.4	7	938
1 GF 143	36797 65	18/06	L 71 W 26+60 N	4	3	A_2	8	80	2	.4		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO-LOR	% OR-GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
1 GF 144	70	18/06	71+50W 26+60N	2	3	A_2	7	30	2	.3	6	936
1 GF 145	36798 75	18/06	L 72W 26+60N	6	3	A_2	10	10	4	.3		
1 GF 146	60	18/06	L 72+50W 26+60N	4	3	A_2	8	30	2	.3	6	935
1 GF 147	36799 60	18/06	L 73 W 26+60N	4	3	A_1	8	80	2	.3		
1 GF 148	80	18/06	73+50W 26+65N	6	3	A_2	7	10	2	.2	8	934
1 GF 149	36800 60	18/06	74+00W 26+70N	6	3	A_1	9	90	1	.3		
1 GF 150	90	18/06	74+50W 26+75N	4	1	A_1	9	90	1	.2	7	934
1 GF 151	36801 65	18/06	L 75 W 26+85N	4	1	A_2	7	15	3	.3		
1 GF 152	50	18/06	75+50W 26+70N	4	1	A_1	9	80	1	.2	8	933
1 GF 153	36802 65	18/06	L 76W 26+50N	4	1	A_2	7	10	3	.3		
1 GF 154	30	18/06	76+50W 26+35N	4	3	A_1	9	90	1	.3	5	934
1 GF 155	36803 40	18/06	79 W 23+50N	4	3	A_1	9	90	1	.4		
1 GF 156	36804 60	18/06	L 78W 23+40N	4	3	A_2	10	10	3	.3		

SAMPLES NO.	T.E. CUP NO. / CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 157	36805 60	18/06	75 W 22+40 N	1	1	B	8	8	2	.3		
IGF 158	36806 60	18/06	74 W 22+30 N	1	1	A_1	9	40	1	.3		
IGF 159	36807 100	18/06	73 W 22+15 N	3	1	A_2	10	10	4	.3		
IGF 160	36808 80	18/06	72 W 22+75 N	3	1	A_2	10	15	3	.4		
IGF 161	36809 60	18/06	71 W 21+35 N	4	1	A_2	10	15	4	.3		
IGF 162	30810 70	18/06	70 W 20 N	1	1	A_2	10	5	4	.4		
IGF 163	36811 50	18/06	69 W 20+60 N	4	1	A_2	10	5	3	.5		
IGF 164	36812 20	18/06	77 W 23+35 N	4	1	A_1	8	80	1	.5		
IGF 165	36813 10	18/06	76 W 22+95 N	4	1	A_1	8	90	1	.5		
IGF 166	36814 80	19/06	90 W 15+10 N	1	1	A_2	10	10	4	.3		
IGF 167	80	19/06	89+50 W 15+10 N	1	1	A_2	7	20	2	.3	4	920
IGF 168	36815 80	19/06	89 W 15+15 N	1	1	A_2	10	10	4	.3		
IGF 169	80	19/06	88+50 W 15+20 N	1	1	A_2	10	5	2	.3	4	920

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
1 GF 170	36816 75	19/06	88 W 15+25 N	1	1	A_2	10	10	3	.4		
1 GF 171	75	19/06	90+50 W 15+05 N	1	1	A_2	10	5	2	.4	4	920
1 GF 172	36817 80	19/06	91 W 15 N	1	1	A_2	10	5	4	.3		
1 GF 173	75	19/06	91+50 W 14+95 N	1	1	A_1	9	90	1	.3	4	919
1 GF 174	36818 70	19/06	92 W 14+90 N	1	1	A_2	7	20	2	.3		
1 GF 175	70	19/06	92+50 W 14+85 N	1	1	A_2	10	10	2	.3	6	921
1 GF 176	60	19/06	93 W 14+80 N	1	1	A_1	8	90	1	.4	7	921
1 GF 177	36819 25	19/06	93+50 W 14+75 N	1	3	A_1	8	90	1	.4		
1 GF 178	36820 65	19/06	94 W 14+75 N	1	1	A_2	10	15	3	.3		
1 GF 179	80	19/06	94+50 W 14+70 N	1	1	A_2	7	15	2	.3	7	921
1 GF 180	36821 65	19/06	95 W 14+60 N	1	1	B	8	20	2	.3		
1 GF 181	60	19/06	95+50 W 14+50 N	1	1	B	8	25	2	.3	7	920
1 GF 182	36822 50	19/06	96 W 14+45 N	1	1	B	8	20	2	.4		

SAMPLES NO.	T.E. CUP NO. (CPS)	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
1 GF 183	65	19/06	96+50 W 14+30 N	1	1	A_1	9	90	1	.2	4	920
1 GF 184	36823 75	19/06	97 W 14+15 N	1	1	A_1	8	50	2			
1 GF 185	75	19/06	97+50 W 14+00 N	3	1	A_1	9	95	1	.3	3	920
1 GF 186	36824 125	19/06	98 W 13+80 N	3	1	A_1	9	90	2	.3		
1 GF 187	50	19/06	98+50 W 13+70 N	6	1	B	8	30	2	.3	8	920
1 GF 188	36825 80	19/06	99 W 13+60 N	6	1	B	8	20	2	.3		
1 GF 189	60	19/06	99+50 W 13+55 N	1	1	A_1	8	80	1	.3	7	920
1 GF 190	36826 90	19/06	100 W 13+50 N	6	1	A_2	10	10	3	.3		
1 GF 191	36827 65	19/06	102 W 16+40 N	1	1	A_2	10	5	4	.3		
1 GF 192	36828 85	19/06	103 W 16+65 N	6	1	B	7	15	2	.3		
1 GF 193	36829 50	19/06	104 W 16+90 N	1	3	A_1	8	80	1	.4		
1 GF 194	36830 60	19/06	105+50 W 16+95 N	3	1	A_1	8	90	2	.3		
1 GF 195	36831 65	19/06	106+50 W 17+05 N	3	1	A_1	8	90	2	.3		

TEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 196	36832 65	19/06	107+25 W 17+30 N	3	1	A_2	10	20	4	.3		
IGF 197	36833 150	19/06	108 W 17+50 N	3	1	A_2	9	30	1	.4		
IGF 198	36834 60	19/06	110 W 20+30 N	3	1	A_2	9	50	2	.3		
IGF 199	36835 95	19/06	111 W 20+10 N	3	1	A_1	8	50	2	.4		
IGF 200	36836 95	19/06	112 W 19+90 N	3	1	A_1	9	65	2	.3		
IGF 201	36837 80	19/06	113 W 19+65N	4	1	A_2	10	05	3	.3		
IGF 202	36838	19/06	114 W 19+45N	3	1	A_1	9	90	2	.4		
IGF 203	LOW	STANDARD										
IGF 204	36839 50	20/06	L59W 9+20N	5	1	A_2	10	05	3	.7		
IGF205	36840 15	20/06	L58W 9+25N	4	3	A_1	7	90	3	.5		
IGF206	36841 75	20/06	L57W 9+30N	3	1	A_2	10	05	4	.7		
IGF207	36842 45	20/06	L57W 10+75N	3	1	A_1	8	85	4	.7		
IGF208	60	20/06	L57+50W 10+70N	1	1	A_2	10	10	4	.8	06°	931

TEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF209	36843 55	20/06	L58W 10+65N	3	1	A_1	9	95	3	.7		
IGF210	55	20/06	L56+50W 10+77N	3	1	A_2	10	05	4	.7	04	929
IGF211	36844 10	20/06	L56W 10+85N	3	1	A_1	8	95	3	.5		
IGF212	15	20/06	L55+50W 10+90N	3	1	A_1	9	95	3	.7	06	932
IGF213	36845 55	20/06	L55W 11+45N	3	1	A_2	5	15	2	.5		
IGF214	50	20/06	L54+50W 11+50N	3	1	A_2	7	15	2	.5	07	932
IGF215	36846 55	20/06	L54W 11+55N	1	1	A_2	10	05	3	.5		
IGF216	55	20/06	L53+50W 11+64N	3	1	A_1	9	97	1	.5	04	933
IGF217	364847 20	20/06	L53W 11+70N	4	1	A_1	8	97	2	.5		
IGF218	60	20/06	L52W 11+70N	3	1	A_1	9	80	3	.5	05	934
IGF219	36848 60	20/06	L51+50W 11+70N	1	1	A_2	7	15	4	.5		
IGF220	70	20/06	L51+30W 11+90N	2	1	A_2	7	40	4	.3	07	934
IGF221	36849 45	20/06	L51W 11+85N	4	1	A_1	8	90	3	.5		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 222	75	20/06	L50+50W 12+00N	6	1	A_2	10	75	3	.4	04	935
IGF 223	36850 70	20/06	L49+90W 12+15N	3	1	A_1	8	90	2	.5		
IGF 224	36851 60	20/06	L51W 9+20N	2	1	A_2	10	20	3	.3		
IGF 225	36852 70	20/06	L52W 9+00N	3	1	A_2	10	05	2	.2		
IGF 226	36853 65	20/06	L53W 10+00N	4	1	A_2	7	35	4	.4		
IGF 227	36854 70	20/06	L54W 9+75N	1	1	A_2	10	20	4	.2		
IGF 228	36855 15	20/06	L55W 9+40N	4	1	A_1	8	95	1	.3		
IGF 229	36856 70	20/06	L56W 9+40N	1	1	A_2	10	05	3	.3		
IGF 230	HIGH	STANDARD										
IGF 231	36857 95	20/06	L86W 15+45N	3	1	A_1	9	85	1	.3		
IGF 232	75	20/06	L86+75W 15+40N	3	1	A_1	9	85	2	.3	04	930
IGF 233	36858 70	20/06	L87+25W 15+35N	1	1	A_1	9	80	2	.4		
IGF 234	70	20/06	L85+75W 15+30N	3	1	A_1	9	80	1	.3	04	931

TEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF235	36859 55	20/06	L 85+25 W 15+25 N	6	1	B	7	10	2	.3		
IGF236	25	20/06	L 85 W 15+25 N	4	1	A_1	9	90	1	.4	NOT AVAILABLE	931
IGF237	36860 60	20/06	L 83 W 14+20 N	1	1	A_2	10	10	4	.3		
IGF238	60	20/06	82+50 W 14+25 N	1	1	B	7	10	2	.3	N.A.	932
IGF239	36861 55	20/06	L 82 W 14+30 N	3	1	B	7	15	3	.4		
IGF240	45	20/06	L 81+50 W 14+30 W	1	1	A_2	10	15	2	.3	N.A.	933
IGF241	25	20/06	L 81 W 14+35 N	4	1	A_1	9	80	1	.4	N.A.	933
IGF242	36862 40	20/06	L 80+50 W 14+45 N	4	1	A_1	9	90	1	.4		
IGF243	36863 50	20/06	L 80 W 14+55 N	4	1	A_2	10	25	4	.3		
IGF244	60	20/06	79+50 W 14+65 N	4	1	A_1	9	85	1	.3	N.A.	934
IGF245	36864 60	20/06	L 79 W 14+75 N	4	1	A_2	10	05	3	.4		
IGF246	30	20/06	78+50 W 14+75 W	1	1	A_1	9	80	1	.4	N.A.	934
IGF247	36865 55	20/06	L 78 W 14+75 N	3	1	A_2	10	15	3	.4		

ITEM 15

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO-LOR	% OR-GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF248	55	20/06	77+50 W 14+75 N	3	1	B	8	30	2	.4	N.A.	934
IGF249	36866 50	20/06	L 77 W 14+75 N	1	1	A_2	7	10	3	.3		
IGF250	HIGH	STANDARD										
IGF251	50	20/06	76+50 W 14+75 N	4	1	A_1	9	85	1	.3	N.A.	935
IGF252	36867 55	20/06	L 76 W 14+75 N	1	1	A_2	10	10	3	.4		
IGF253	65	20/06	75+50 W 14+75 N	3	1	A_2	10	25	2	.2	N.A.	937
IGF254	36868 50	20/06	L 75 W 14+75 N	3	1	B	7	15	2	.4		
IGF255	30	20/06	74+50 W 14+65 N	4	3	A_1	9	80	1	.3	N.A.	939
IGF256	36869 30	20/06	L 74 W 14+60 N	3	1	A_1	9	85	1	.4		
IGF257	75	20/06	73+50 W 14+50 N	6	1	A_2	10	05	2	.4	0	939
IGF258	36870 80	20/06	L 73 W 14+50 N	6	1	A_2	10	10	4	.4		
IGF259	50	20/06	L 72+50 W 14+50 N	6	1	A_1	9	80	2	.4	N.A.	939
IGF260	36871 40	20/06	L 72 W 14+45 N	6	1	A_2	10	40	2	.4		

TEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF261	40	20/06	71+50 W 14+45 N	4	1	A_1	9	80	1	.4	N.A.	938
IGF263	36872 50	20/06	L 71 W 14+40 N	4	1	A_2	10	20	4	.3		
IGF264	55	20/06	L 70+50W 14+50 N	4	1	A_2	10	15	2	.3	N.A	938
IGF265	36873 50	20/06	L 70 W 14+65 N	4	1	A_1	9	70	1	.4		
IGF266	55	20/06	L 69+50 W 14+70 N	3	1	A_2	10	10	2	.4	N.A.	938
IGF267	36874 50	20/06	L 69 W 14+75 N	3	1	A_2	10	15	4	.3		
IGF268	LOW	STANDARD										
IGF269	36875 60	21/06	L 65 W 9+70 N	1	1	A_2	10	05	2	.4		
IGF270	25	21/06	L 65+75W 9+60 N	1	1	A_1	9	80	1	.3	N.A	937
IGF271	36876 45	21/06	L 66+50 W 9+50 N	1	1	A_1	9	85	1	.4		
IGF272	50	21/06	L 64+50 W 9+80 N	1	1	A_1	9	85	1	.4	N.A	937
IGF273	36877 30	21/06	L 64 W 10+00 N	1	1	A_2	10	50	3	.4		
IGF274	55	21/06	63+50 W 10+10 N	3	1	A_2	10	40	2	.4	N A	937

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO- LOR	% OR- GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 275	36878 40	21/06	L63W 10+30N	1	1	B	8	25	2	.4		
IGF276	45	21/06	62+50 W 10+30 N	3	1	A_1	9	80	1	.4	N.A.	938
IGF277	36879 20	21/06	L59W 10+40N	4	3	A_1	9	85	1	.4		
IGF278	50	21/06	L59+50W 10+40N	4	1	A_2	10	30	2	.4	N.A.	938
IGF279	36880 20	21/06	L60W 10+35N	4	1	A_1	9	80	1	.4		
IGF280	20	21/06	L60+50W 10+35N	4	1	A_1	9	85	1	.4	N.A.	938
IGF281	36891 45	21/06	L61W 10+30N	3	3	B	8	25	3	.4		
IGF282	30	21/06	L59W 14+50N	1	1	A_1	9	80	1	.4	N.A.	938
IGF283	36881 30	21/06	L58+50W 14+60N	1	1	A_1	9	85	1	.4		
IGF284	35	21/06	L58W 14+70N	3	1	A_1	9	85	1	.4	N.A.	938
IGF285	36882 15	21/06	L57+50W 14+70N	3	1	A_1	9	80	1	.4		
IGF286	36883 50	21/06	L59+50W 14+55N	1	1	A_1	9	85	1	.4		
IGF287	20	21/06	L59+75W 14+60N	1	1	A_1	9	85	1	.4	N.A.	938

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF288	36884 10	21/06	L60+25W 14+70N	3	3	A_1	9	85	1	.4		
IGF289	95	21/06	L60+75W 14+75N	6	1	A_1	9	85	1	.4	N.A	938
IGF290	36885 55	21/06	L61W 14+85N	1	1	B	7	20	3	.4	N.A.	937
IGF291	65	21/06	L62W 14+90N	3	1	A_2	10	25	2	.3	N.A.	937
IGF292	36886 55	21/06	L63W 14+95N	1	1	A_2	10	10	4	.3		
IGF293	40	21/06	L68+50W 14+75N	3	3	A_1	9	80	1	.3	N.A.	938
IGF294	36887 50	21/06	L68W 14+70N	2	1	A_2	7	20	3	.3		
IGF295	36888 80	21/06	L67+50W 14+65N	2	1	B	8	20	2	.3		
IGF296	36889 60	21/06	L67W 14+65N	2	1	A_2	10	10	4	.3		
IGF297	50	21/06	L66+50W 14+65N	3	1	B	8	15	2	.3	N.A.	938
IGF298	36890 50	21/06	L66W 14+65N	4	1	A_2	10	10	3	.4		
IGF299	65	21/06	L65+50W 14+65N	3	1	A_2	8	30	2	.3	N.A.	937
IGF300	36891 55	21/06	L65W 14+65N	1	1	B	7	20	2	.4		

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF301	50	21/06	L 64+50W 14+75N	1	1	A_2	7	10	2	.4	N.A	938
IGF302	36892 50	21/06	L 64W 14+85 N	3	1	A_2	10	15	3	.4		
IGF303	55	21/06	L 63+50W 14+90N	6	1	A_2	8	20	2	.4	N.A.	937
IGF305	LOW	STANDARD										
IGF306		21/06	L 57+40W 14+65N	5	1	A_1	9	98	1	.3	04	934
IGF307	36894	21/06	L 57W 14+70N	3	1	A_2	10	25	4	.4		
IGF308		21/06	L 56+50W 14+75N	3	1	B	7	20	4	.4	07	932
IGF309	36895	21/06	L 56W 14+87N	3	1	A_2	10	40	4	.3		
IGF310		21/06	L 55+50W 15+00 N	3	1	B	7	33	3	.7	03	932
IGF311	36896	21/06	L 55W 15+30N	4	1	A_1	8	97	3	.5		
IGF312		21/06	L 54+50W 15+40W	4	1	A_1	9	97	1	.2	06	932
IGF313	36897	21/06	L 54W 15+45 N	3	1	A_2	10	15	3	.2		
IGF314		21/06	L 53+50W 15+50 N	3	1	A_2	10	10	2	.3	06	932

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF315	36898	21/06	L53W 15+75N	3	1	A_2	10	15	2	.5		
IGF316		21/06	L52+50W 15+55N	3	1	A_2	7	25	3	.4	06	931
IGF317	36899	21/06	L52W 15+45N	2	1	A_2	10	15	3	.2		
IGF318		21/06	L51+50W 15+30N	1	1	A_2	10	20	2	.3	02	931
IGF319	36900	21/06	L51W 15+70N	1	1	A_2	10	15	3	.2		
IGF320		21/06	L50+50W 15+70N	1	1	B	10	15	3	.3	08	930
IGF321	36951	21/06	L50W 15+75N	4	1	A_2	10	10	3	.3		
IGF322		21/06	L49+50W 15+80N	4	3	A_0	8	99	1	.5	07	930
IGF323	36952	21/06	L49W 16+30N	4	3	A_0	8	99	1	.2		
IGF324		21/06	L48+50W 16+30N	3	1	A_1	9	97	1	.1	07	931
IGF325	36953	21/06	L48W 16+30N	1	1	A_2	10	05	3	.4		
IGF326		21/06	L47+50W 16+30N	3	1	B	7	20	3	.5	03	930
IGF327	36954	21/06	L47W 16+15N	2	1	A_2	10	10	3	.2		

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SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 328		21/06	L46W 15+60N	4	1	A_o	8	99	1	.3	08	931
IGF329	36955	21/06	L45W 14+25N	6	1	A_2	10	10	3	.2		
IGF330		21/06	L44+50W 14+30N	6	3	A_1	9	99	1	.3	05	929
IGF331	36956	21/06	L44W 14+40N	3	1	A_1	10	15	3	.3		
IGF332		21/06	L45+50W 14+10N	3	1	B	7	20	3	.1	12	930
IGF333	36957	21/06	L46W 14+00N	3	1	A_2	10	15	3	.2		
IGF334		21/06	L46+50W 13+80N	6	1	B	8	60	2	.2	09	928
IGF335	36958	21/06	L47W 13+35N	3	1	A_2	10	15	4	.1		
IGF336		21/06	L47+50W 13+60N	2	1	B	8	70	3	.3	07	930
IGF337	36959	21/06	L48W 13+80N	3	1	A_2	7	10	3	.1		
IGF338		21/06	L48+50W 14+00N	3	1	B	8	55	3	.2	09	929
IGF339	36960	21/06	L49W 12+55N	2	1	A_2	10	15	3	.2		
IGF340		21/06	L49+50W 12+50N	4	1	A_1	8	99	1	.4	06	929

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SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF341	HIGH	STANDARD										
IGF342	75	22/06	L4 14+35 N	3	1	B	7	25	2	.3	04	927
IGF343	36961 90	22/06	L43+10 W 14+30 N	3	1	A_2	10	15	3	.3		
IGF344	75	22/06	L42+65 W 14+30 N	3	1	B	7	25	2	.3	10	927
IGF345	36962 50	22/06	L42 W 14+00 N	3	1	A_2	10	15	4	.3		
IGF346	55	22/06	L41+50W 14+00 N	3	1	A_2	7	20	2	.4	04	928
IGF347	36963 60	22/06	L41 W 14+00 N	3	1	A_2	10	05	4	.3		
IGF348	95	22/06	L40+50W 14+00 N	3	1	B	7	30	2	.3	08	928
IGF349	36964 85	22/06	L40 W 14+05 N	3	1	A_2	7	35	4	.2		
IGF350	75	22/06	L39+50W 14+15 N	3	1	B	8	40	3	.3	08	927
IGF351	36965 80	22/06	L39 W 14+10 N	2	1	A_2	7	40	2	.3		
IGF352	45	22/06	L38+60 W 14+10 N	2	1	B	8	65	2	.5	08	927
IGF353	36966 45	22/06	L38 W 14+00 N	3	1	A_2	10	50	2	.5		

TEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF354	35	22/06	L37+50W 14+20N	3	1	A_1	9	97	2	.4	03	927
IGF355	36967 45	22/06	L37W 14+55N	2	1	A_2	10	05	2	.5		
IGF356	75	22/06	L36+50W 14+75N	2	1	B	7	30	2	.4	05	927
IGF357	36968 15	22/06	L36W 14+30N	4	1	A_1	8	99	1	.6		
IGF358A	50	22/06	L35+50W 14+35N	6	1	B	7	60	2	.2	08	928
IGF358B	36969 60	22/06	L35W 14+40N	5	1	B	9	85	3	.2		
IGF359	55	22/06	L34+50W 14+45N	5	1	A_1	9	99	1	.4	05	928
IGF360	36970 60	22/06	L34W 14+50N	5	1	A_2	10	15	4	.3		
IGF361	70	22/06	L33+50W 14+55N	5	1	B	8	80	2	.3	08	927
IGF362	36971 60	22/06	L32W 14+80N	5	1	A_2	10	75	4	.3		
IGF363	50	22/06	L31+50W 15+00N	3	1	A_1	9	99	1	.4	04	926
IGF364	36972 70	22/06	L31W 15+00N	3	1	A_2	10	10	4	.2		
IGF365	70	22/06	L30+50W 15+00N	3	1	B	8	40	2	.3	10	926

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF366	36973 60	22/06	L30W 15+00N	3	1	B	8	30	4	.2		
IGF367	50	22/06	L29+50W 15+00N	3	1	B	8	70	1	.1	12	925
IGF368	36974 60	22/06	L29W 15+10N	3	1	A_2	10	05	2	.2		
IGF369	65	22/06	L28+50W 15+30N	3	1	B	8	80	2	.3	10	925
IGF370	36975 65	22/06	L28W 15+25N	3	1	A_2	10	60	4	.2		
IGF371	50	22/06	L27+50W 15+25N	3	1	B	8	60	3	.2	09	926
IGF373	36976 70	22/06	L27W 15+10N	3	1	A_2	10	05	2	.2		
IGF374	36977 60	22/06	L26+50W 15+00N	2	1	B	8	85	3	.3		
IGF375	60	22/06	L26+10W 14+90N	5	1	B	7	35	2	.2	08	928
IGF376	LOW	ST	ANDARD									
IGF377	50	24/06	L25+50W 14+80N	3	1	B	8	30	2	.4	05	936
IGF378	36978 55	↓	L24+80W 14+60N	3	1	A_2	10	10	2	.15		
IGF379	50	↓	L24W 14+70N	2	1	B	4	60	2	.3	05	935

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SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF380	36979 60	24/06	L23+50W 14+75N	1	1	B	4	60	3	.2		
IGF381	60		L23W 14+80N	3	1	B	4	55	2	.2	08	936
IGF382	36991 50		L22+50W 14+85N	3	1	B	8	60	3	.15		
IGF383	36992 50		L22W 15+00N	2	1	A_2	10	10	3	.6		
IGF384	60		L21+50W 15+00N	3	1	B	8	65	2	.25	08	937
IGF385	36993 50		L21W 15+10N	3	1	B	8	75	2	.20		
IGF386	60		L20W 15+80N	3	1	B	4	70	2	.15	08	937
IGF387	36994 60		L19+50W 16+00N	3	1	A_2	10	05	2	.1		
IGF388	30		L19W 16+25N	5	1	A_1	7	97	1	.3	'04	938
IGF389	36995 50		L18+50W 16+50N	5	1	A_2	10	05	3	.15		
IGF390	60		L18W 16+60N	3	1	B	7	25	2	.2	08	937
IGF391	36996 55		L17+50W 16+70N	3	1	A_2	10	20	3	.15		
IGF392	65	↓	L17W 16+80N	3	1	A_2	10	15	3	.25	08	937

TEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF393	36997 60	24/06	L 16+50W 16+85N	3	1	A_2	10	15	2	.2		
IGF394	70		L 16 W 16+95 N	6	1	B	8	30	2	.2	07	936
IGF395	36998 55		L 15+50W 16+95N	3	1	A_2	10	05	3	.15		
IGF396	50		L 15 W 16+90 N	2	1	B	8	65	2	.2	08	936
IGF397	36999 60		L 14+50W 16+90 N	3	1	B	7	50	2	.15		
IGF398	55		L 14W 16+80N	1	1	B	7	55	2	.1	08	935
IGF399	HIGH		STANDARD									
IGF400	37011 55	22/06	L 28W 8+00 N	4	1	B	8	20	2	.4		
IGF401	37012 50	22/06	L 29 W 8+00 N	2	1	A_1	7	90	2	.3		
IGF402	37013 50	22/06	L 30W 8+00 N	1	1	B	8	20	3	.3		
IGF403	37014 55	22/06	L 31 W 8+05 N	1	1	B	8	10	3	.3		
IGF404	37015 50	22/06	L 31+50W 8+15 N	1	1	A_2	10	15	3	.3		
IGF405	37016 25	22/06	L 32 W 8+25 N	1	3	A_1	9	90	1	.4		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF406	37017 25	22/06	L 34 W 8+00 N	1	1	A_1	9	90	1	.4		
IGF407	37018 50	22/06	L 35 W 8+00 N	1	1	A_2	10	05	4	.4		
IGF408	37019 30	22/06	L 36 W 8+25 N	4	1	A_1	9	80	2	.4		
IGF409	37020 50	22/06	L 38 W 10+40 N	3	1	A_2	10	10	2	.4		
IGF410	37021 60	22/06	L 39 W 10+00 N	1	1	B	7	15	3	.3		
IGF411	37022 50	22/06	L 40 W 10+00 N	4	1	A_2	7	10	2	.4		
IGF412	37023 50	22/06	L 37 W 10+00 N	1	1	A_2	10	20	2	.4		
IGF413	37024 40	22/06	L 36 W 10+00 N	4	1	A_1	9	80	2	.4		
IGF414	37025 50	22/06	L 35 W 9+25 N	3	1	A_2	10	20	4	.3		
IGF415	37026 40	22/06	L 34 W 9+50 N	3	1	A_1	9	90	1	.3		
IGF416	37027 50	22/06	L 33 W 9+50 N	1	1	A_2	10	20	4	.3		
IGF417	37028 50	22/06	L 32 W 9+50 N	3	1	A_2	10	15	3	.4		
IGF418	37029 50	22/06	L 31 W 9+75 N	4	1	A_2	7	15	2	.3		

TEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO- LOR	% OR- GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 419	37030 50	22/06	L 30 W 9+85 N	3	1	A_2	7	15	3	.4		
IGF 420	37031 50	22/06	L 29 W 9+75 N	1	1	B	7	10	3	.4		
IGF 421	37032 20	22/06	L 28 W 9+15 N	4	1	A_1	9	90	1	.4		
IGF 422	37033 45	22/06	L 27 W 9+95 N	3	1	A_2	10	15	3	.4		
IGF 423	37034 55	22/06	L 26 W 10+50 N	1	1	A_2	10	05	3	.4		
IGF 424	37035 50	22/06	L 24 W 10+30 N	1	1	B	7	10	2	.4		
IGF 425	37036 45	22/06	L 23+40 W 10+25 N	3	1	A_1	9	80	2	.4		
IGF 426	37037 75	22/06	L 22+70 W 10+20 N	4	1	A_1	9	80	1	.3		
IGF 427	37038 70	22/06	L 22 W 10+50 N	4	1	A_2	10	05	2	.3		
IGF 428	37039 50	22/06	L 21 W 11+00 N	3	1	A_2	8	20	3	.3		
IGF 429	37040 45	22/06	L 20 11+50 N	3	1	B	7	15	3	.3		
IGF 430												
IGF 431												

TEMIS

SAMPLES NO.	T.E.CUP NO. / CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 432	37001 60	24/06	L32W 22+40N	3	1	B	7	10	3	.3		
IGF 433	37002 55		L31W 22N	1	1	A_2	10	15	3	.3		
IGF 434	37003 50		L30W 21+90N	1	1	A_2	10	10	4	.3		
IGF 435	37004 70		L29W 21+85N	3	1	A_2	10	20	4	.3		
IGF 436	37005 70		L28W 21+75N	6	1	A_1	8	90	1	.3		
IGF 437	37006 50		L27W 21+45N	6	1	A_1	8	90	1	.3		
IGF 438	37007 60		L26W 21+20N	6	1	A_2	10	20	3	.3		
IGF 439	37008 60		L25W 21+20N	6	1	A_1	10	80	1	.3		
IGF 440	37009 60		L24W 21+25N	1	1	A_2	10	10	4	.3		
IGF 441	37010 60		L23W 21+50N	1	1	A_1	8	95	2	.3		
IGF 442	37041 20		L22W 21+85N	4	3	A_1	9	90	1	.4		
IGF 443	37042 50		L21W 22+25N	3	1	A_2	10	20	4	.3		
IGF 444	37043 50	↓	L20W 22+70N	3	1	A_2	10	15	3	.3		

ITEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO-LOR	% OR-GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 445	37044 55	24/06	L20W 23+75N	1	1	B	7	10	3	.3		
IGF 446	55		L20+50W 23+90N	3	1	A_1	9	80	1	.3	07	938
IGF 447	37045 50		L21W 24+05	6	1	A_1	9	80	2	.3		
IGF 448	50		L21+50W 24+20N	6	1	A_1	9	90	1	.4	06	938
IGF 449	37046 55		L22W 24+40N	6	1	A_2	10	15	4	.3		
IGF 450	37047 50		L23W 24+95N	6	1	B	7	5	2	.3		
IGF 451	45		L23+50W 25+20N	3	1	A_1	9	85	1	.3	07	938
IGF 452	40		L24W 25+50N	6	1	A_1	9	90	1	.4	08	938
IGF 453	37048 60		L24+50W 25+75N	6	1	A_2	10	5	4	.3		
IGF 454	37049 80		L25W 26N	6	1	A_1	9	90	1	.3		
IGF 455	50		L19+50W 23+70N	3	1	A_1	9	90	1	.3	05	940
IGF 456	37050 100		L19W 24+15N	3	1	A_2	8	30	2	.3		
IGF 457	40	↓	L18+50W 23+80	4	3	A_1	9	90	1	.3	5	940

TEMIS

SAMPLES NO.	T.E.CUP NO. / CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 458	37051 60	24/06	L18W 23+50N	3	1	A_1	9	90	1	.4		
IGF 459	60		L17+40W 23+25N	3	1	A_2	10	20	2	.4	06	942
IGF 460	37052 60		L17W 23+00N	4	1	A_2	10	20	4	.3		
IGF 461	55		L16+50W 22+75N	4	1	A_2	10	5	2	.3	08	943
IGF 462	37053 55		L16W 22+50N	3	1	A_2	10	20	2	.3		
IGF 463	55		L15+50W 22+25N	3	1	A_2	10	20	2	.3	07	942
IGF 464	37054 50		L14+80W 22N	1	1	A_2	8	20	2	.3		
IGF 465	37055 65		L12W 21N	3	1	A_2	9	85	2	.3		
IGF 466	37056 65		L13W 21N	3	1	A_2	10	50	2	.3		
IGF 467	37057 20		L14W 21N	4	3	A_1	7	95	2	.3		
IGF 468	37058 50		L15W 20+50N	3	1	A_2	10	10	4	.3		
IGF 469	37059 100		L16W 20N	2	1	A_1	9	90	2	.3		
IGF 470	LOW	↓	STAN	DA	RD							

TEM 1S

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 471	37060 50	25/06	L 124 W 26+85N	1	1	A_1	9	80	2	.3		
IGF 472	37081 65		L 125 W 26+80 N	1	1	A_1	9	80	2	.3		
IGF 473	37082 45		L 126 W 26+75N	1	1	A_1	9	85	2	.3		
IGF 474	37083 50		L 127 W 26+60N	1	1	A_2	10	5	3	.3		
IGF 475	37084 20		L 128 W 26+25N	1	1	A_1	9	90	2	.3		
IGF 476	37085 70		L 129 W 26+50N	1	1	B	8	20	2	.3		
IGF 477	37086 60		L 130 W 26+95N	3	1	A_2	9	30	2	.3		
IGF 478	37087 15		L 131 W 27N	4	3	A_1	9	90	1	.4		
IGF 479	37088 45		L 132 W 27+05N	3	1	A_2	9	50	4	.4		
IGF 480	37089 110		L 4E 19+50N	3	1	A_1	9	80	2	.4		
IGF 481	37090 60		L 4E 17+30N	4	1	A_2	10	10	4	.3		
IGF 482	50		L 4+50E 17+35N	3	1	A_1	8	90	2	.3	08	943
IGF 483	37091 65		L 5E 17+40N	3	1	A_2	10	20	4	.3		

TEMIS

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 484	40	25/06	L 5+50E 17+45N	3	1	A_1	8	90	1	.3	07	943
IGF 485	37092 100		L 6 E 17+50N	3	1	A_2	10	20	4	.3		
IGF 486	37093 75		L 3+50E 19+70N	1	1	A_2	10	15	4	.3		
IGF 487	25		L 3E 19+75N	4	3	A_1	7	90	2	.3	08	946
IGF 488	20		L 2+50E 19+70N	4	3	A_1	9	95	1	.4	08	946
IGF 489	37094 60		L 2E 19+50N	4	1	A_2	10	10	4	.3		
IGF 490	50		L 1+50E 18+75N	4	1	A_1	9	80	2	.2	09	946
IGF 491	37095 50		L 1E 19+25N	4	1	A_2	10	15	4	.3		
IGF 492	40		L 0+50E 19+50N	4	1	A_2	10	30	2	.3	'07	940
IGF 493	37096 60		L 0+00 19+75N	1	1	A_2	10	30	4	.3		
IGF 494	37097 75		L 0+50W 19+50N	1	1	A_2	10	20	4	.3		
IGF 495	20		L 1W 19+25N	4	1	A_1	9	90	2	.2	'08	946
IGF 496	20	↓	L 2W 18+75W	4	1	A_1	9	90	2	.3	08	946

TEMIS

SAMPLES NO.	T.E.CUP NO. / CPS	DATE	STATION	TOPO	VEG.	HORI ZON.	CO-LOR	% OR-GAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 497	20	25/06	L 2+60W 18+75 N	4	3	A_1	9	90	1	.3	08	946
IGF 498	20		L 5+50W 16N	4	3	A_1	9	90	1	.3	08	946
IGF 499	LOW		STAN	DA	RD							
IGF 500	37000 50	24/06	L 14 W 13+20N	3	1	A_2	10	15	3	.3		
IGF 501	37061 60		L 13W 13+00N	3	1	A_1	9	98	2	.4		
IGF 502	37062 15		L 12 W 12+90N	4	1	A_0	7	99	1	.2		
IGF 503	37063 30		L 11 W 12+95N	4	1	A_1	9	99	1	.2		
IGF 504	37064 50		L 10W 12+95N	3	1	A_2	10	05	2	.15		
IGF 505	37065 55		L 9 W 12+95N	2	1	B	7	35	2	0.1		
IGF 506	37066 60		L 8W 12+70N	1	1	B	7	50	2	.1		
IGF 507	37067 65		L 7W 12+95N	2	1	A_2	10	20	2	.1		
IGF 508	37068 60		L 6W 12+70N	3	1	A_2	10	10	4	.1		
IGF 509	37069 60	25/06	L 6W 18+55N	2	1	A_2	5	05	3	.15		

TEMIS

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 510	60	25/66	L 6+50W 18+40N	1	1	B	7	20	2	.1	09	939
IGF 511	37070 60		L 7 W 18+70N	2	1	A_2	10	05	3	.1		
IGF 512	60		L 7+50W 17+95N	2	1	B	7	25	2	.3	08	939
IGF 513	37071		L 8 W 17+80N	3	1	A_2	10	10	3	.15		
IGF 514	80		L 8+50W 17+65N	3	1	A_1	9	95	2	.05	04	939
IGF 515	37072 40		L 9 W 17+50N	3	1	A_2	10	10	4	.1		
IGF 516	15		L 9+50W 17+40N	4	1	A_1	7	97	1	.2	07	939
IGF 517	37073 45		L 10W 17+25N	3	1	B	4	45	3	.15		
IGF 518	45		L 10+50W 17+15N	3	1	B	8	30	2	.2	07	938
IGF 519	37074 50		L 11W 17+00N	3	1	B	4	15	3	.25		
IGF 520	50		L 11+50W 16+85N	3	1	A_2	10	05	3	.25	03	938
IGF 521	37075 40		L 12W 16+75N	3	1	A_2	10	05	3	.3		
IGF 522	50	↓	L 12+50W 16+75N	3	1	A_1	9	95	2	.1	06	937

TEM 15

EM

SAMPLES NO.	T.E. CUP NO. / CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 523	37076 / 50	25/06	L13W 16+75N	3	1	A_2	10	15	3	.20		
IGF 524	60	↓	L13+50W 16+70N	1	1	B	8	50	2	.30	09	936
IGF 525	37077 / 40		L14W 16+25N	1	1	B	7	25	2	.10		
IGF 526	37078 / 70		L13W 16+00N	3	1	A_1	9	85	4	.25		
IGF 527	37079 / 45		L12W 15+75N	3	1	A_2	10	05	3	.15		
IGF 528	37080 / 50		L11W 15+70N	3	1	A_2	10	10	4	.20		
IGF 529	37101 / 10		L10W 15+75N	4	3	A_0	8	99	1	.20		
IGF 530	37102 / 50		L9W 15+70N	3	1	B	4	35	4	.20		
IGF 531	37103 / 50		L8W 15+60N	1	1	A_2	10	25	2	.15		
IGF 532	37104 / 55		L7W 15+65N	3	1	B	8	60	3	.20		
IGF 533	37105 / 75	↓	L6W 16+10N	2	1	A_2	10	10	4	.30		
IGF 534	37106 / 45	26/06	L30W 21+75N	3	1	A_2	10	07	2	.25		
IGF 535	37107 / 55		L31W 21+80W	5	1	A_2	10	10	3	.40		

TEMIS

TICHÉGAMI SUD →

TICHEGAMI S.

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 536	37108 60	26/06	L30+50W 21+40N	2	1	A_2	10	05	2	.15		
IGF 537	37109 55		L29+20W 21+70N	3	1	B	8	65	2	.20		
IGF 538	37110 35		L28+70W 21+60N	4	2	A_1	7	90	1	.35		
IGF 539	37111 45		L28W 21+60N	4	1	A_1	7	85	1	.30		
IGF 540	37112 60		L27+50W 21+50N	1	1	B	4	35	4	.25		
IGF 541	37113 35		L27W 21+30N	3	1	A_1	8	97	2	.30		
IGF 542	37114 70		L26+50W 21+30N	6	1	A_2	10	05	2	.20		
IGF 543	37115 15		L26W 21+20N	3	1	A_2	8	70	2	.20		
IGF 544	37116 50		L25+50W 21+05N	6	1	A_2	10	05	2	.30		
IGF 545	37117 50		L25W 20+90N	6	1	A_2	7	15	2	.15		
IGF 546	37118 50		L24+50W 20+70N	3	1	A_2	10	10	2	.15		
IGF 547	37119 45		L24W 20+50N	3	1	A_2	10	05	3	.10		
IGF 548	37120 65		L23+70W 20+35N	3	1	A_2	10	15	3	.25		

TECHEGAMI

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 549	37121 50	26/06	L23+20W 20+00N	3	1	A_2	10	10	3	.20		
IGF 550	37122 50		L22+70W 20+70N	3	1	B	8	30	2	.25		
IGF 551	37123 50		L22+40W 19+40N	3	1	A_2	10	15	3	.30		
IGF 552	37124 50		L22W 19+20N	3	1	B	8	60	2	.20		
IGF 553	37125 55		L21+50W 19+10N	3	1	A_2	7	40	3	.25		
IGF 554	37126 55		L21W 19+00N	3	1	B	7	40	4	.20		
IGF 555	37127 35		L20+50W 18+90N	3	1	A_1	8	90	4	.25		
IGF 556	37128 50		L20W 18+80N	3	1	A_2	10	10	4	.25		
IGF 557	37129 65		L19+50W 18+70N	3	1	A_1	8	90	4	.30		
IGF 558	37130 45		L19W 18+60N	3	1	A_2	10	10	4	.30		
IGF 559	37131 30		L18+50W 18+50N	3	1	A_2	10	05	4	.30		
IGF 560	37132 65		L20+10W 15+90N	3	1	A_2	8	35	4	.30		
IGF 561	37133 65		L21W 16+05N	3	1	A_2	10	05	2	.25		

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 562	37134 60	26/06	L21+50W 16+00N	1	1	A_2	8	30	4	.30		
IGF 563	37135 45	↓	L22W 16+40N	3	1	A_1	8	98	4	.20		
IGF 564	37136 50	↓	L22+50W 16+45N	3	1	A_2	7	15	2	.20		
IGF 565	37137 60	24/06	L23W 16+50N	3	1	A_2	8	85	4	.20		
IGF 566	37138 80	↓	L23+50W 16+55N	3	1	A_2	10	05	3	.25		
IGF 567	37139 75	↓	L24W 16+60N	5	1	A_2	10	05	3	.25		
IGF 568	HIGH	↓	STAN	DA	RD							
IGF 569	37140 20	27/06	L42W 24+90N	3	1	A_1	8	97	2	.30		
IGF 570	37181 45	↓	L42+50W 24+82N	3	1	A_1	8	97	2	.35		
IGF 571	37182 45	↓	L43W 24+77N	3	1	A_2	7	20	3	.30		
IGF 572	37183 60	↓	L43+50W 24+50N	3	1	A_2	7	20	4	.25		
IGF 573	37184 10	↓	L44W 25+00N	4	3	A_1	8	99	1	.25		
IGF 574	37185 05	↓	L44+50W 24+90N	4	3	A_1	8	99	1	.25		

S. MICHEGAMI

SAMPLES NO.	T.E.CUP NO. / CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 575	37186 10	27/06	L 45W 24+80 N	4	3	A_1	8	99	1	.30		
IGF 576	37187 10		L45+50W 24+70N	4	3	A_1	8	99	1	.30		
IGF 577	37188 50		L46W 24+70N	3	1	B	9	75	4	.35		
IGF 578	37189 55		L46+70W 24+70N	3	1	B	4	35	3	.25		
IGF 579	37190 45		L47+20W 24+65W	3	1	A_2	10	15	2	.35		
IGF 580	37191 15		L47+85W 24+60 N	4	3	A_1	8	98	1	.30		
IGF 581	37192 05		L48+75W 24+30 N	4	3	A_1	8	99	2	.30		
IGF 582	37193 10		L49+35W 24+15N	4	3	A_1	8	99	2	.30		
IGF 583	37194 70		L50W 24+55N	3	1	B	4	65	4	.20		
IGF 584	37195 50		L50+75W 24+50N	3	1	A_2	10	10	2	.30		
IGF 585	37196 55		L51+35W 24+40N	3	1	B	9	65	2	.25		
IGF 586	37197 10		L52W 23+95N	4	1	A_0	8	98	2	.30		
IGF 587	37198 50	↓	L52+25W 24+35N	3	1	A_2	7	10	2	.25		

TACHEGAMI

S. MICHEGAMI

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 588	37199 60	27/06	L53W 24+40N	3	1	B	9	20	2	.2		
IGF 589	37200 65		L53+50W 24+00N	3	1	A_2	10	05	3	.3		
IGF 590	37201 90		L54W 24+35N	3	1	A_2	10	15	4	.2		
IGF 591	37202 10		L54+50W 24+30N	4	3	A_1	8	98	1	.25		
IGF 592	37203 50		L55+60W 24+20N	5	1	A_2	10	60	3	.2		
IGF 593	37204 50		L53+90W 26+15N	4	1	B	9	80	3	.2		
IGF 594	37206 60		L54+50W 26+05N	3	1	B	4	45	2	.2		
IGF 595	37206 70		L55W 25+95N	4	1	B	9	50	3	.2		
IGF 596	37207 45		L55+50W 25+90N	5	1	A_1	7	85	2	.3		
IGF 597	37208 55		L53+50W 26+20N	3	1	B	4	25	2	.4		
IGF 598	37209 65		L53W 26+20N	3	1	B	8	65	3	.35		
IGF 599	37210 55	↓	L52+50W 26+30N	3	1	B	4	40	2	.3		
IGF 600	37098 25	26/06	L6W 18+05N	1	1	A_1	9	90	2	.3		

MICHEGAMI S.

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF601	37099 50	26/06	L5+50W 17+90N	1	1		8	10	4	.3		
IGF602	37100 30		L5W 17+75N	1	1		9	90	2	.3		
IGF603	37141 20		L4+50W 17+60N	1	3	A_1	8	90	2	.4		
IGF604	37142 20		L4W 17+40N	1	1	A_1	8	90	2	.3		
IGF605	37143 75		L3+50W 17+30N	1	1	A_2	10	15	2	.4		
IGF606	37144 75		L3W 17+15N	1	1	A_2	10	15	3	.4		
IGF607	37145 30		L2+50W 17+00N	4	1	A_1	8	90	2	.3		
IGF608	37146 25		L6+50W 18+10N	1	1	A_1	9	85	1	.4		
IGF609	37147 25		L7W 18+10N	1	1	A_1	8	90	1	.4		
IGF610	37148 10		L7+50W 18+20N	1	3	A_1	8	95	1	.3		
IGF611	37149 10		L8W 18+40N	1	3	A_1	8	95	1	.4		
IGF612	37150 15		L8+50W 18+40N	1	3	A_1	7	95	1	.4		
IGF614	37151 15		L9W 18+40N	1	3	A_1	7	95	1	.4		

TICHEGAMI S.

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 615	37152 70	26/06	L 9+50W 18+40N	1	1	A_2	8	60	3	.4		
IGF 613	37153 25		L 10W 18+40N	1	3	A_1	8	90	1	.4		
IGF 616	37154 25		L 10+50W 18+40 N	1	3	A_1	8	90	1	.4		
IGF 617	37155 75		L 11 W 18+40 N	1	3	A_1	8	90	1	.4		
IGF 618	37156 25		L 11+50W 18+40N	1	1	A_1	8	90	1	.4		
IGF 619	37157 30		L 12 W 18+40 N	1	3	A_1	8	90	1	.4		
IGF 620	37158 10		L 12+50W 18+35 N	1	3	A_1	7	95	2	.4		
IGF 621	37159 10		L 13 W 18+35 N	1	3	A_1	7	95	2	.4		
IGF 622	37160 10		L 13+50W 18+25 N	1	3	A_1	7	95	2	.4		
IGF 623	37161 75		L 14 W 18+35 N	1	3	A_1	7	95	2	.3		
IGF 624	37162 30		L 14+50W 18+90N	1	3	A_1	9	85	1	.4		
IGF 625	37163 25		L 15W 18+90N	1	3	A_1	8	90	1	.4		
IGF 626	37164 15		L 15+50W 18+90N	1	3	A_2	10	10	2	.4		

MICHIGAMI S.

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 627	37165 30	26/06	L 16 W 18+60 N	1	3	A_1	8	90	2	.4		
IGF 628	37166 30		L 16+50W 18+50 N	1	1	A_1	8	90	1	.4		
IGF 629	37167 50		L 17 W 18+45 N	1	1	A_2	7	30	2	.4		
IGF 630	37168 55		L 17+50 W 18+40 N	1	1	A_2	8	40	2	.3		
IGF 631	37169 50		L 18 W 18+25 N	1	1	A_2	8	30	3	.4		
IGF 632	37170 60		L 18 W 15+50 N	1	1	B	7	20	2	.4		
IGF 633	37171 75		L 18+50 W 15+65 N	1	1	A_2	10	10	3	.4		
IGF 634	37172 75		L 19 W 15+75 N	1	1	A_2	8	15	3	.4		
IGF 635	37173 66		L 19+50 W 15+85 N	1	1	B	7	15	3	.4		
IGF 636	37174 60	↓	L 20 W 16+05 N	1	1	A_2	8	30	3	.4		
IGF 637	37175 60	27/06	L 26 W 17+00 N	4	1	A_2	9	20	3	.4		
IGF 638	37176 60		L 25+ 50 W 16+85 N	3	1	A_1	9	80	2	.4		
IGF 639	37177 125	↓	L 25 W 16+80 N	3	1	A_1	9	90	2	.4		

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 640	37178 50	27/06	L 24+50 W 16+75 N	4	1	A_2	7	05	3	.4		
IGF 641	37179 100		L 26+50W 16+90 N	3	1	A_1	8	80	2	.4		
IGF 642	37180 80		L 26+90W 16+80 N	3	1	A_2	9	30	3	.4		
IGF643	37221 105		L 27+30W 16+60N	3	1	A_2	10	15	4	.3		
IGF644	37222 100		L 28 W 16+60N	4	1	A_2	9	40	4	.4		
IGF645	37223 75		L 28+50W 16+45N	3	1	A_2	9	40	2	.4		
IGF646	37224 100		L 29W 16+20N	3	1	A_2	10	05	2	.4		
IGF647	37225 100		L 29+50W 16+00N	3	1	A_2	10	05	3	.4		
IGF648	37226 80		L 30W 15+90N	3	1	A_2	9	30	2	.4		
IGF649	37227 50		L 32W 21+50N	3	1	A_2	8	20	2	.4		
IGF651	37228 50		L 31+50W 21+50N	3	1	A_2	7	10	2	.4		
IGF652	37229 25		L 32+50W 21+60N	4	3	A_1	7	95	2	.3		
IGF653	37230 50		L 33W 21+75N	4	1	A_2	9	90	2	.4		

TICHEGAMI

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 654	37231 105	27/06	L 34 W 22+10 N	1	1	A_2	10	05	2	.4		
IGF 655	37232 75		L 34+25 W 22+30 N	1	1	A_2	10	05	3	.3		
IGF 656	37233 25		L 34+75 W 22+40 N	1	1	A_2	9	40	2	.3		
IGF 657	37234 50		L 35+25 W 22+40 N	3	1	A_2	10	20	2	.3		
IGF 658	37235 45		L 35+60 W 22+45 N	1	1	A_2	10	05	2	.4		
IGF 659	37236 55		L 36 W 22+55 N	1	1	A_2	10	30	2	.4		
IGF 660	37237 25		L 35+30 W 21+80 N	4	3	A_1	7	95	2	.3		
IGF 661	37238 20		L 35+65 W 21+00 N	4	3	A_1	7	95	2	.3		
IGF 662	37239 50		L 36 W 20+40 N	3	1	B	8	40	2	.4		
IGF 663	37240 10		L 36+50 W 20+60 N	4	3	A_2	9	60	3	.4		
IGF 664	37241 10		L 37 W 20+80 N	4	3	A_1	8	95	2	.4		
IGF 665	37242 20		L 37+50 W 20+90 N	4	3	A_2	9	80	2	.4		
IGF 666	37243 50	↓	L 38 W 21+50 N	1	1	A_2	7	50	3	.4		

S. TACHEGAMI

NICHEGAMI S.

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF667	37244 60	27/06	L 38+50W 21+50 N	1	1	A_2	8	30	2	.4		
IGF668	37245 60		L 39 W 21+60 N	1	1	B	7	20	3	.4		
IGF669	37246 50		L 40 W 21+75 N	3	1	A_1	8	10	4	.4		
IGF670	37247 65		L 40+50W 21+70 N	1	1	A_2	8	15	3	.4		
IGF671	37248 60		L 41 W 21+70 N	3	1	A_1	9	80	2	.4		
IGF 672	37249 65		L 41+50W 21+65 N	3	1	A_2	9	25	3	.4		
IGF673A	37250 75	↓	L 41+80W 21+65 N	3	1	B	8	15	3	.4		
IGF673B	37251 50	28/06	L 58 W 24+70 N	2	1	A_2	10	15	3	.3		
IGF 674	37252 50		L 57+50W 24+95 N	3	1	A_2	8	20	2	.4		
IGF 675	37253 100		L 57 W 25+25 N	4	1	B	7	10	2	.4		
IGF 676	37254 60		L 56+50W 25+50 N	3	1	A_2	10	10	2	.4		
IGF 677	37255 60		L 56 W 25+75 N	3	1	A_2	10	10	2	.4		
IGF 678	37256 50	↓	L 56 W 24+50 N	4	1	A_2	10	15	3	.4		

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 679	37257 60	28/06	L 56+75 W 24+60 N	2	1	A_2	8	25	4	.4		
IGF 680	37258 40		L 56+25 W 24+60 N	4	1	B	7	10	3	.4		
IGF 681	37259 45		L 58+50 W 24+65 N	3	1	B	8	10	3	.4		
IGF 682	37260 60		L 58+70 W 24+55 N	3	1	A_2	8	15	3	.4		
IGF 683	37261 45		L 59+00 W 24+45 N	3	1	A_2	8	20	2	.4		
IGF 684	37262 40		L 59+40 W 24+35 N	4	3	A_2	10	15	2	.4		
IGF 685	37263 20		L 59+80 W 24+25 N	4	3	A_1	7	95	2	.4		
IGF 686	37264 20		L 60+50 W 24+25 N	4	3	A_1	8	95	2	.4		
IGF 687	37265 10		L 61 W 24+25 N	4	3	A_1	8	95	2	.4		
IGF 688	37266 35		L 62 W 24+25 N	4	3	A_2	10	15	2	.4		
IGF 689	37267 40		L 62+50 W 24+05 N	3	1	A_2	8	30	2	.4		
IGF 690	37268 50		L 63 W 23+90 N	3	1	B	8	10	2	.4		
IGF 691	37269 40	↓	L 63+30 W 23+85 N	3	1	A_2	8	20	3	.4		

SASKATCHEGAMI

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 692	37270 20	28/06	L64W 23+75 N	4	3	A_1	8	60	2	.40		
IGF 693	37271 10		L64+50W 23+65N	4	3	A_1	8	95	2	.40		
IGF 694	37272 10		L65W 23+50N	4	3	A_1	8	95	2	.40		
IGF 695	37273 40		L65+50W 23+50N	3	1	A_2	9	80	2	.40		
IGF 696	37274 30		L66W 23+75N	4	3	A_1	8	95	2	.40		
IGF 697	37275 30		L66+50W 23+45N	4	1	A_1	9	90	2	.40		
IGF 698	37276 30		L67W 23+45N	3	1	A_1	9	90	2	.40		
IGF 699	37277 50		L67+50W 23+45N	3	1	A_2	7	10	2	.40		
IGF 700	37211 65	27/06	L52W 26+20N	3	1	B	8	45	2	.35		
IGF 701	37212 10	28/06	L64W 19+35N	4	1	A_1	8	98	2	.25		
IGF 702	37213 50		L64+50W 19+00N	4	1	A_1	8	98	2	.30		
IGF 703	37214 50		L65W 19+60N	4	1	A_1	8	98	2	.30		
IGF 704	37215 25		L65+50W 18+20N	4	1	A_1	8	98	2	.30		

SI TICHEGAMI

MICHIGAMI S.

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF705	37216 20	28/06	L66W 18+65 N	4	1	A_1	8	98	2	.30		
IGF706	37217 45		L66+50W 18+60N	4	1	A_1	8	98	2	.30		
IGF707	37218 15		L67W 18+55 N	4	1	A_1	8	98	2	.30		
IGF708	37219 10		L67+50W 18+45 N	4	1	A_1	8	98	2	.30		
IGF709	37220 10		L68W 18+60 N	4	1	A_1	8	98	2	.20		
IGF710	37301 15		L68+50W 18+45 N	4	1	A_1	8	98	2	.20		
IGF711	37302 30		L69W 18+70 N	4	1	A_0	8	98	2	.35		
IGF712	37303 10		L69+50W 17+80 N	4	1	A_1	8	98	2	.30		
IGF713	37304 10		L70W 17+90 N	4	1	A_1	8	98	2	.30		
IGF714	37305 25		L70+50W 17+90 N	4	1	A_1	8	98	2	.30		
IGF715	37306 85		L71W 17+95 N	4	1	A_1	8	90	4	.30		
IGF716	37307 15		L71+50W 17+98 N	4	1	A_1	8	98	2	.30		
IGF717	37308 50		L72W 18+00 N	4	1	A_2	8	65	3	.30		

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF718	37309 45	28/06	L 72+50W 18+00N	4	1	A_1	8	98	2	.30		
IGF719	37310 55		L 73W 18+00N	4	1	A_2	10	50	2	.25		
IGF720	37311 50		L 73+75W 18+00N	5	1	B	7	50	2	.30		
IGF721	37312 20		L 70W 22+90N	4	1	A_1	8	98	2	.30		
IGF722	37313 25		L 69+50W 23+30N	4	1	A_1	8	98	2	.30		
IGF723	37314 50		L 69W 23+60N	4	1	A_2	8	70	2	.30		
IGF724	37315 70		L 68+50W 24+00N	3	1	B	4	65	3	.45		
IGF725	37317 65		L 68W 23+30N	3	1	B	8	65	4	.45		
IGF726	37318 55		L 67+50W 23+30N	3	1	B	8	70	4	.40		
IGF727	37319 60	29/06	L 80W 15+75N	3	1	B	8	65	2	.40		
IGF728	37320 65		L 79+50W 16+40N	3	1	B	8	70	4	.30		
IGF729	37278 50		L 79W 16+65N	3	1	B	8	60	4	.30		
IGF730	37279 50		L 78+50W 16+70N	3	1	B	8	50	3	.20		

S. TACHEGAMI

TICHEGAMI S.

SAMPLES NO.	T.E. CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF731	37280 60	29/06	L 78 W 17+25 N	3	1	A_2	10	15	4	.20		
IGF732	37281 65		L 77+50W 17+70 N	3	1	B	9	75	3	.25		
IGF733	37282 50		L 77 W 17+75 N	3	1	A_2	10	05	4	.30		
IGF734	37283 10		L 76+50W 17+70 N	4	3	A_1	8	95	2	.30		
IGF735	37284 10		L 76 W 17+75 N	4	3	A_1	8	95	2	.30		
IGF736	37285 120		L 75+50W 18+10 N	3	1	A_2	8	60	4	.35		
IGF737	37286 10		L 75W 18+45 N	4	3	A_1	7	98	2	.30		
IGF738	37287 45		L 74+50W 18+70 N	3	1	A_2	10	05	3	.45		
IGF739	37288 10		L 74 W 18+25 N	5	1	A_1	7	95	2	.30		
IGF740	37289 20		L 74+20 W 22+25 N	4	3	A_1	8	95	2	.30		
IGF741	37290 15	↓	L 73+50W 22+60 N	4	3	A_1	8	95	2	.30		
IGF742		LOW STANDARD										
IGF743												

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(57)

SAMPLES NO.	T.E. CUP NO. / CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF 744												
IGF 745												
IGF 746												
IGF 747												
IGF 748												
IGF 749		HIGH STANDARD										
IGF 750	37292 05	1/07	L 72 W 22 + 75 N	4	3	A_1	8	98	2	.10		
IGF 751	37293 05		L 71+50W 22 + 80 N	4	3	A_1	8	98	2	.10		
IGF 752	37294 10		L 71 W 22 + 90 N	4	3	A_1	8	98	2	.10		
IGF 753	37295 45		L 70+20 W 23 + 05 N	5	1	A_2	7	60	2	.25		
IGF 754	37296 25		L 72+00 W 23 + 85 N	4	3	A_1	8	98	2	.10		
IGF 755	37297 25		L 71+50W 23 + 90 N	4	3	A_1	8	98	2	.20		
IGF 756	37298 25		L 72+60 W 23 + 75 N	4	3	A_1	8	98	2	.20		

S. TACHIGAMI

SAMPLES NO.	T.E.CUP NO. CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
IGF757	37299 10	1/07	L 73+30 W 23+65 N	4	3	A_1	8	98	2	.20		
IGF758	37300 10		L 74W 23+50 N	4	3	A_1	8	98	2	.10		
IGF759	37331 10		L 74+50 W 23+40 N	4	1	A_1	8	98	2	.10		
IGF760	37332 30		L 70+30 W 25+00 N	5	1	A_1	8	80	2	.35		
IGF761	37333 15		L 70+70 W 25+00 N	5	3	A_1	8	85	2	.35		
IGF762	37334 25		L 71+20 W 25+00 N	4	3	A_1	8	95	2	.35		
IGF763	37335 10		L 72 W 24+90 N	3	1	A_1	8	95	2	.35		
IGF764	37336 40		L 72+50 W 24+85 N	3	1	A_1	8	95	2	.25		
IGF765	37337 25		L 74W 25+15 N	4	3	A_1	8	95	2	.20		
IGF766	37338 50		L 74+50 W 25+20 N	3	1	A_2	7	75	3	.35		
IGF767	37339 50		L 75+05 W 25+25 N	3	1	A_2	10	10	3	.30		
IGF768	37340 50		L 75+50 W 25+30 N	3	1	A_2	10	05	3	.35		
IGF769	37350 10	↓	L 76W 25+50 N	4	3	A_1	8	98	2	.25		

MICHIGAMI 5

SAMPLES NO.	T.E. CUP NO. / CPS	DATE	STATION	TOPO	VEG.	HORIZON.	COLOR	% ORGAN	GRAIN SIZE	DEPTH (m)	SOIL TEMP. (°c)	AIR PRES. (mb)
1GF770	37341 / 10	1/07	L76+30W 25+50 N	4	3	A_1	8	98	2	.25		
1GF771	37342 / 15		L76+65 W 25+50 N	4	1	A_1	8	98	2	.30		
1GF772	37343 / 55		L77+10W 25+50 N	3	1	A_2	10	70	4	.35		
1GF773	37344 / 45		L77+55 W 25+50N	3	1	A_2	10	05	2	.25		
1GF774	37345 / 55		L78W 25+70 N	3	1	B	9	85	4	.25		
1GF775	37346 / 50		L78+40W 25+75 N	2	1	B	8	85	2	.30		
1GF776	37347 / 40		L78+75W 25+75 N	4	1	A_1	8	98	2	.30		
1GF777	37348 / 55		L79+15W 25+80 N	3	1	B	4	20	3	.30		
1GF778	37349 / 65		L79+65 W 25+90 N	2	1	B	8	75	3	.30		
1GF779	37351 / 75		L80 W 26+00 N	2	1	A_2	8	75	4	.30		
1GF780	37352 / 55		L78 W 26+70 N	2	1	A_2	7	55	3	.30		
1GF781	37353 / 75	2/07	L10 W 19+25 N	3	1	A_2	10	10	3	.30		
1GF782	37354 / 45	2/07	L10+80 W 19+35 N	3	1	A_1	9	98	2	.25		

TICHEGAMI S

MOLSON