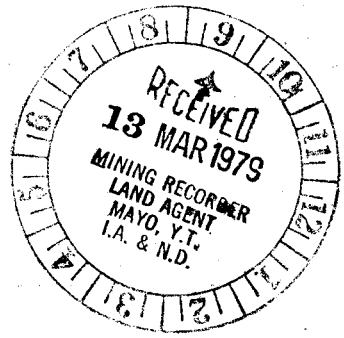

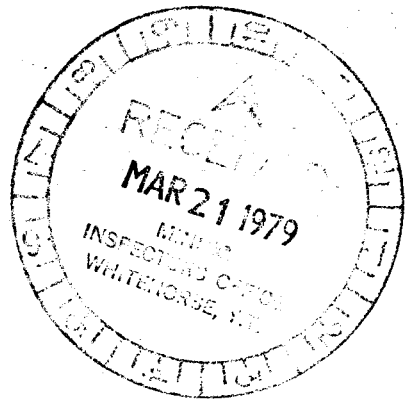

GEOLOGICAL REPORT

on the

FAIR MINERAL CLAIMS

NTS 106C-13

64°57'N 133°45'W

YUKON TERRITORY

for

ENERGEX MINERALS LTD.

by

Charles K. Ikona, P. Eng.
D. Yeager, Geologist
M. Stammers, Geologist

NOVEMBER 1978

090445

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

$6000.00

Resident Geologist or
Mining Engineer

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

R. R. BAXTER
Supervising Mining Recorder

for Commissioner of Yukon Territory

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LIST OF APPENDICES

1.0 Introduction

In the spring of 1978 Energex Minerals Ltd. acquired the Fair 10 & 11 claims from Mr. L.F. Farris who acquired them from Mr. C. Boitard. Subsequently a Whitehorse contractor was hired to expand the group to 34 claims. The property was known to contain both copper and uranium showings and had been drilled for copper on the strength of airborne magnetometer and electromagnetic surveys in 1974. In the summer of 1978 Pamicon Developments Ltd. was asked to conduct a preliminary program to evaluate the claim group. Results of this program are contained in this report.

2.0 List of Claims

The Fair group consists of ~~34~~ 32 contiguous mineral claims located under the Yukon Quartz Mining Act. Several posts examined by the author indicate that the staking was in accordance with the Act.

Claim Name	Recording Date	Grant No.
Fair 1-8	May 23, 1978	YA30243-YA30250
Fair 10-11	May 30, 1974	Y88673-Y88674
Fair 13-34	May 23, 1978	YA30251-YA30272

3.0 Location & Access

The Fair Claims are located on N.T.S. sheet 106C-13 directly to the south of Fairchild Lake in the north-eastern Yukon Territory. Approximate co-ordinates of the claim group are 64°57'N latitude, 133°45'W longitude.

Access to the property is by fixed wing aircraft from the town of Mayo, Y.T. to Fairchild Lake, a distance of approximately 120 miles. A crudely constructed tote road, approximately one-half mile in length, connects the Fairchild Lake campsite with the old drill sites and trenches.

4.0 Topography and Vegetation

Elevations on the property range from 2,000 to 2,800 feet ASL with moderate topography over most of the property. Exceptions to this are some areas where fault controlled cliffs occur.

The entire property lies below timberline and is covered with moderate size coniferous trees.

5.0 History

Regional

Copper showings in the area were noted by trappers in the early 1900's. Since then the area has received

ENERGEX MINERALS LTD.

YUKON LOCATION MAP

FAIR CLAIM GROUP

SCALE IN MILES
0 25 50 100 200

DRAWN	PROJECT	DATE	FIG.
Altair		NOV. 1978	1

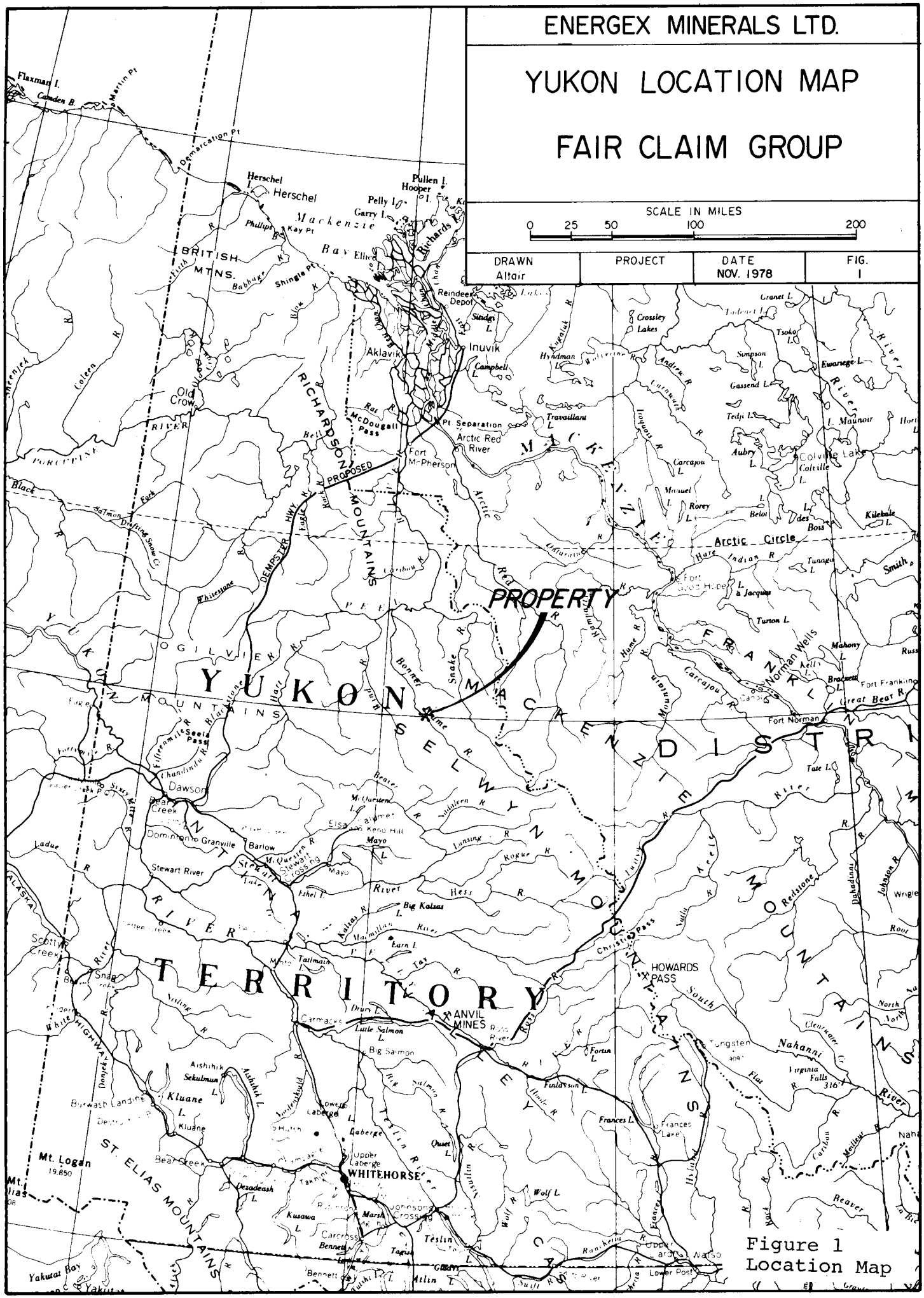


Figure 1
Location Map

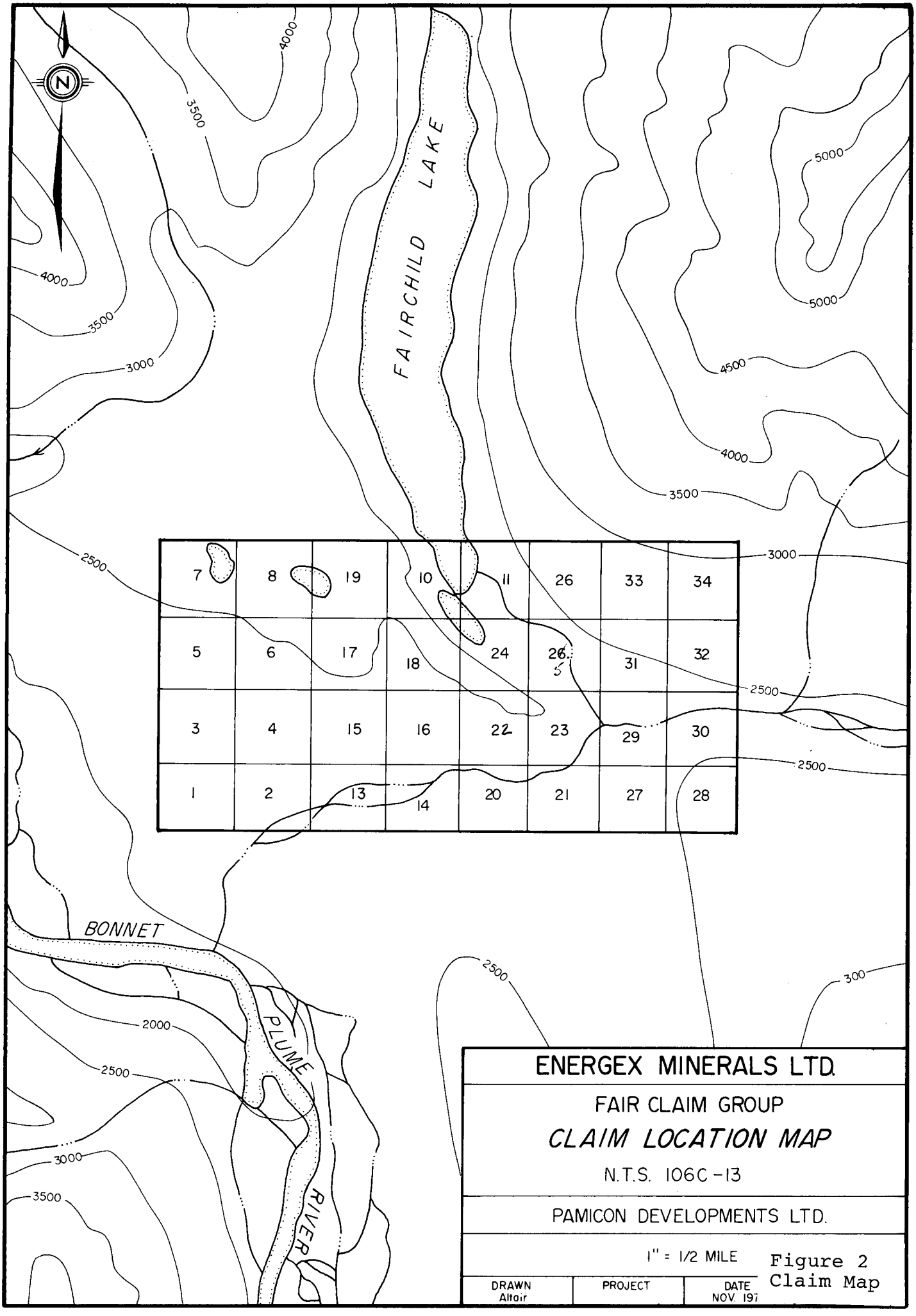


Figure 2
Claim Map

sporadic mineral exploration activity. In 1971, the discovery of lead-Zinc showings in the region brought attention to the area once again. It was during this wave of activity that the existence of uranium was recognized in the Proterozoic basin hosting the Fair claim group.

Property

The Fair group was originally acquired by Mr. C. Boitard for the copper showings which had been known for some time. In 1974, while under option to Menika Mining Ltd., an airborne magnetic and VLF-EM survey was carried out. Subsequent to this two diamond drill holes were located on EM anomalies located by the survey. These holes were non determinate and to the writers' knowledge were not logged at the time. The program then came to a halt and the property lay dormant until acquired by Energex in 1978. Reference is made to a Geological Report on the Fairchild Lake Property of Menika Mining Ltd. by L. Sookochoff dated February 19, 1975 and a Geophysical Report on an Airborne Magnetic and VLF-EM Survey by David G. Mark dated March 27, 1975.

6.0 Regional Geology

6.1 Lithology

In the Fairchild Lake region Helikian rocks are exposed over an area of some 1,500 square miles in a roughly circular fashion centered near longitude 134°00'W and latitude 65°00'N.

Recent G.S.C. stratigraphic work by Bell and Delaney (1976) have designated these Helikian and older rocks as the Wernecke Supergroup subdivided into Fairchild, Quartet and Gillespie groups.

The Fairchild group, whose base is not exposed, is composed of a thick succession of moderately metamorphosed fine grained clastic sediments with interbedded carbonates. The overlying Quartet group consists of thinly interbedded slates and argillites with occasional quartzite beds.

The Gillespie group which conformably overlies the uppermost slate quartzite section of the Quartet group, consists mainly of thickly bedded orange weathering dolomites. The base of the unit is marked by a series of transitional beds of alternating buff weathering dolomites and interbedded slates and quartzites.

Erratically distributed throughout the Proterozoic metasediments are irregularly shaped breccia bodies. The breccia zones vary from tens of feet to several thousand feet in size and appear as cross cutting pipe-like features at all levels in the stratigraphic column. Several varieties exist, but all exhibit an assortment of angular clasts derived from rock types common to the area. Hornfels margins observed at several localities indicate an intrusive origin.

A common association with many of the breccia bodies are zones of veining or locally pervasive feldspar alteration seen as internal features within the breccias

or in host rocks adjacent to them.

The alteration zones are pink in colour due to either Potassium feldspar or strong hematization and in some instances contain varying amounts of specularite, chalcopyrite and minor uranium mineralization.

6.2 Structure

Two major periods of deformation have taken place within the Wernecke Mountain region. During the first, or Racklan Orogeny, the Proterozoic rocks of the Wernecke Supergroup underwent intense folding and faulting. Folds are tight to isoclinal with the development of strong axial plane cleavage and commonly an almost vertical foliation.

A major unconformity of lower Hadrynian age forms the upper contact of the Gillespie group. In many localities, erosion beneath this unconformity has resulted in the complete removal of the Gillespie rocks and the strong angular relationship between the relatively flat lying Cambrian and younger rocks directly overlying the Fairchild and Quartet groups is apparent.

Further unconformities near the upper Hadrynian, lower Cambrian and upper Cambrian margins leave Devonian carbonates directly over the Helikian section.

The second period of deformation, which involves both Paleozoic and Proterozoic strata, is weak compared to the first. This is particularly evident in the younger carbonate sections to the west and southwest where deformation consists mainly of broad open folding and minor overthrusting.

7.0 Property Geology

7.1 Introduction

Preliminary mapping of the Fair claims is presented in Figure 3 of this report. The property is underlain by rock units assigned to the Fairchild group with the exception of the intrusive rock located to the east of Fairchild Creek. Copper mineralization appears related to the intrusive feature while uranium mineralization occurs within argillaceous limestones of the Fairchild rocks. Showings and sample locations are shown in Figure 3 with assay results in Tables 7.4.1 and 7.4.2.

7.2 Lithology

Most of the Fair claims are underlain by argillaceous limestone of the Fairchild group. This limestone occurs as light grey weathering, small bluff forming outcrops through the central part of the map area. Composition of this rock varies with respect to the content of argillaceous detrital material and by the degree of post depositional alteration. Fine grained, granular crystalline calcite varies from 70-90% with light green clusters of fine grained chlorite and cryptocrystalline argillaceous material forming the balance of the limestone's principal constituents. Hematite and/or magnetite are the principal accessory minerals.

Increased alteration usually leads to an increased chlorite content and to partial feldspathization/ hematization of the limestone. This is particularly evident in areas of uranium mineralization where the rock becomes salmon coloured as shown in photo 3 (south showing). Within the limestone unit are minor interbeds

of weakly calcareous, siliceous siltstones. These are medium grey in colour with a brown weathering crust. Towards the southwestern edge of the property the limestone becomes banded, siltier and less massively bedded.

A thin bedded green-brown siltstone with shale partings containing minor pyrite and associated limonite is located in several areas on the property. Stratigraphic relationship of this unit with the limestone is obscure but both are probably of the same depositional sequence although some fault contacting is possible.

South and west of a major northwest trending fault is a medium to dark greenish grey, non calcareous phyllite composed of very fine grained chlorite, sericite and other micaceous minerals. This unit is probably Fairchild group but substantially younger than the limestone. Its location topographically lower than the limestone indicates a substantial vertical movement of the fault contact.

East of the creek draining the south end of Fairchild Lake is a small intrusive complex. The intrusive appears to be mainly of a porphyritic, mafic character possibly of gabroic composition. It is generally of a dark grey colour and contains feldspars, biotite, hornblende, magnetite and associated copper mineralization. Abundant veining with associated chalcopyrite and magnetite is apparent along with tectonic brecciation of local country rock. In this instance the matrix is principally quartz and chalcopyrite while the country rock has been altered to chlorite and magnetite.

7.3 Structure

The area of the Fair claims has been subject to extensive faulting. The most obvious of these are a set of at least two WNW trending faults subparalleling and probably related to the Bonnet Plume Fault to the south. The Bonnet Plume Fault is considered a splay from the Knorr Fault which is related to the development of the Richardson Anticlinorium.

Less obvious but still well developed is a set of NE trending faults. The degree of shattering and rehealing within the limestone unit indicates additional extensive local movements.

Attitudes within the property vary significantly as would be expected with the degree of movement although a general east west strike with moderate dip to the north is suspected for a general trend.

7.4 Mineralization

Radioactive mineralization has been located in eight locations on the Fair claims. In general this mineralization occurs in massively bedded argillaceous limestone exhibiting a high degree of feldspathization and hematization and generally characterized by a salmon colouration of the unit. Controls for this alteration and mineralization are not understood to date, although some structural contribution is suspected. Table 7.4.1 shows assay samples collected from 4 of the showings. The only uranium mineral identified to date on the claim group is brannerite. Crystals of this mineral up to ¼" across were located in float adjacent to showing no. 3 and finer crystals noted in the south showing.

TABLE 7.4.1

Sample No.	% U_3O_8	Description
62501	0.044	grab sample of radio-active material occur-ing in pods in small bluffs along creek.
62502	0.004	continuous chip sample across 8' in outcrop S_2 (photo 2).
62503	0.015	chip across 4' S. showing (photo 4).
62504	0.007	chip across 3' S. showing (photo 4).
62505	0.061	chip across 3' S. showing (photo 4).
62506	0.010	grab - prospectors b.s. pile S. showing.
64708	0.047	S. showing - after blasting 2 meter vert. chip altered - limestone visible brannerite.
64709	0.018	S. showing - after blasting 2 meter chip across fault.
62508	0.001	grab - prospectors b.s. pile S3.
		Note: Brannerite crystals in other specimens from this area.

Copper

Minor chalcopyrite was noted in a few scattered locations in the limestone unit. The main copper showings are associated with the intrusive complex where chalco pyrite, bornite, malachite and azurite were observed. Chalcopyrite was noted as occurring in quartz rich veining, fracture filling and as disseminations in the intrusive. Photo 5 shows a small bluff along the creek where malachite staining can be observed. Table 7.4.2 shows assays reported for this material.

TABLE 7.4.2

Assay	% Cu	% Ni	Oz/Ag	Oz/Au	Description
62507 (Pamicon Assay)	0.30	0.01			grab from dozen boulders in frost heave. East of creek - dissem. chalco-pyrite in intrusive.
C. Boitard (1974) (D.G. Mark Report)	0.56		0.2	0.02	grab from trench near diamond drill #1.
1974 Assay (D.G. Mark Report)	2.92		0.4	0.03	pyrite veinlet at 69' in diamond drill hole #2. (intersection length not known).

8.0 Grid Surveys

8.1 Introduction

The spatial association of the more interesting uranium showings on the Fair group appeared to indicate a possible relationship to the major WNW trending fault cutting through the small lake to the south of Fairchild Lake. Accordingly two grids on 40 meter x 40 meter spacing were laid out to cover the more promising of the showings and the fault in the area of the showings. The locations of these grids are shown on Figure 3 as 'A' grid and 'B' grid. These grids were used for geochemical sampling and a spectrometer survey.

8.2 Spectrometer Survey

Employing the grids a spectrometer survey using an Exploranium Discriminating Spectrometer (model D.I.S.A. 300) was carried out. Counts for a 60 second interval were recorded for total count, Potassium count, Thorium count and Uranium count. The manufacturer's formula for the instrument was used to reduce this field data to parts per million Thorium, parts per million Uranium and Uranium-Thorium ratios. Field data and reduced values are given in Appendix II.

'A' Grid

Three plots of the reduced spectrometer results are presented. Figure 4 shows U/Th ratios, Figure 5 shows Uranium expressed in ppm and Figure 6 depicts Thorium in ppm. General interpretation is based on U/Th ratios with any values greater than 0.5 considered anomalous. Spurious anomalies in U/Th ratios and in ppm Uranium may be caused by anomalously low Thorium values caused by wet or swampy overburden. Comparing the three plots

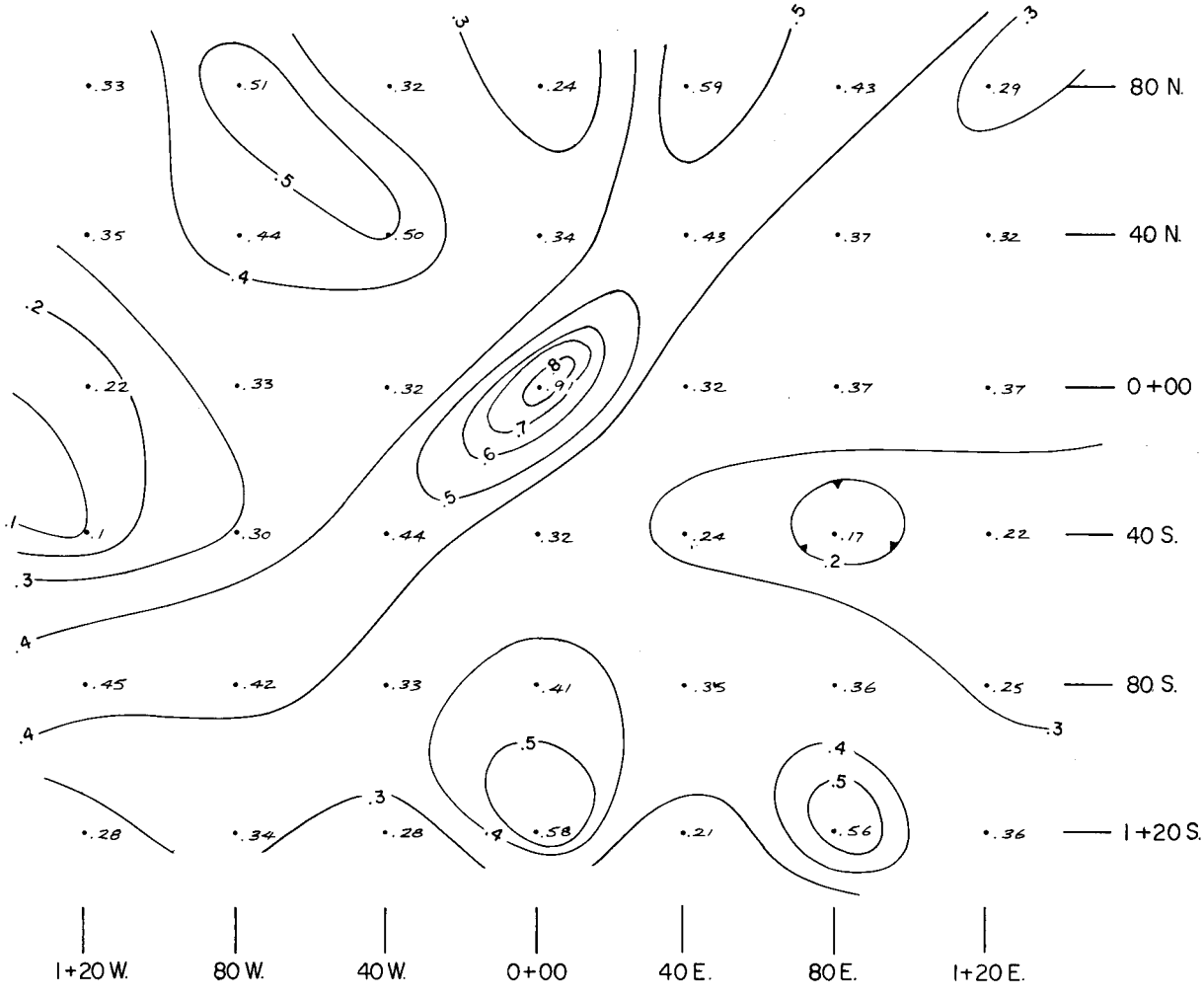


Figure 7
'B' Grid U/Th

N

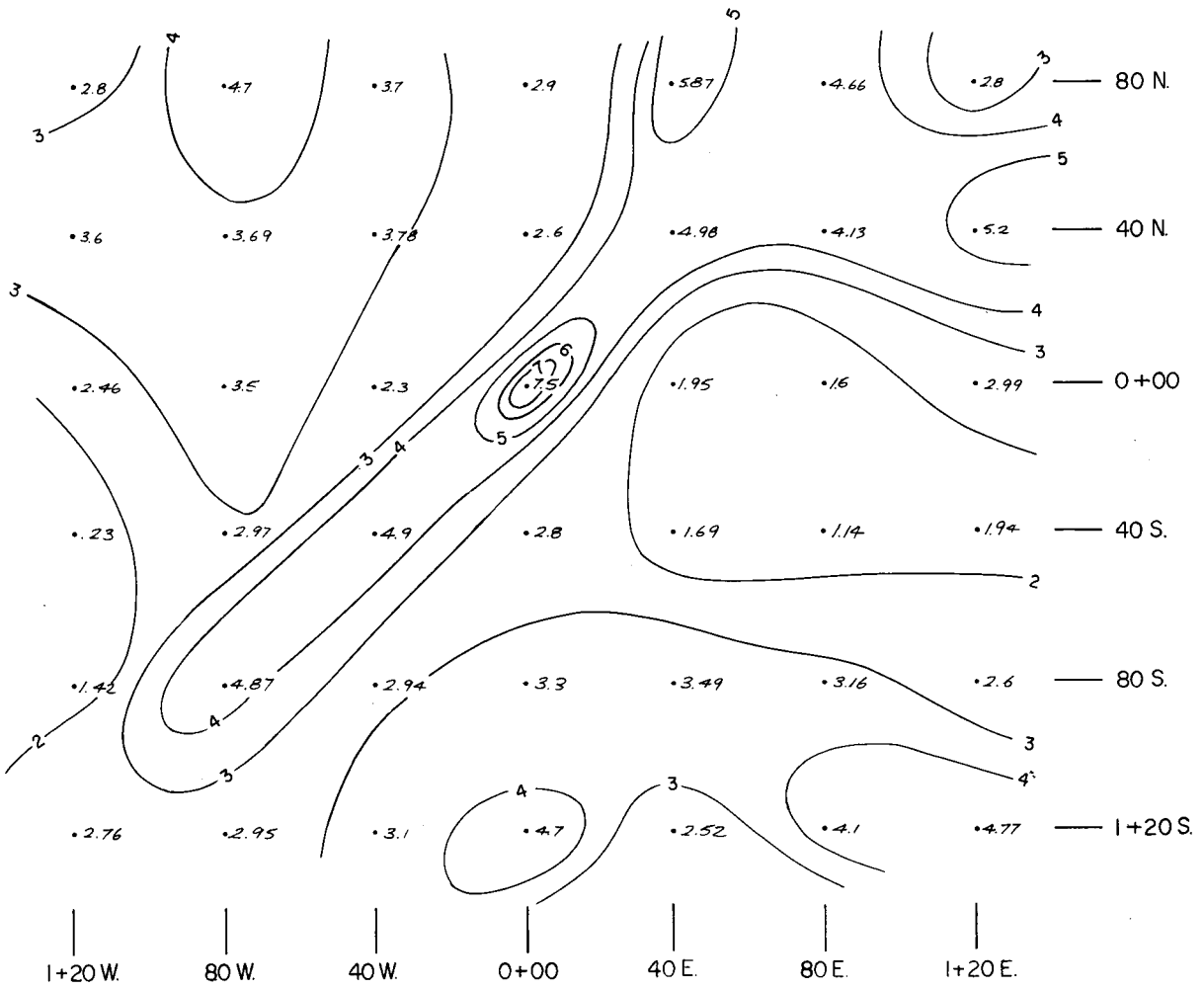
ENERGEX MINERALS LTD.

FAIR CLAIM GROUP
'B' GRID
URANIUM/THORIUM RATIO

PAMICON DEVELOPMENTS LTD.

SCALE 1:2000
m. 20 0 20 40 70 100 m.

DRAWN	PROJECT	DATE	FIG.
Altair		NOV. 1978	7



ENERGEX MINERALS LTD.

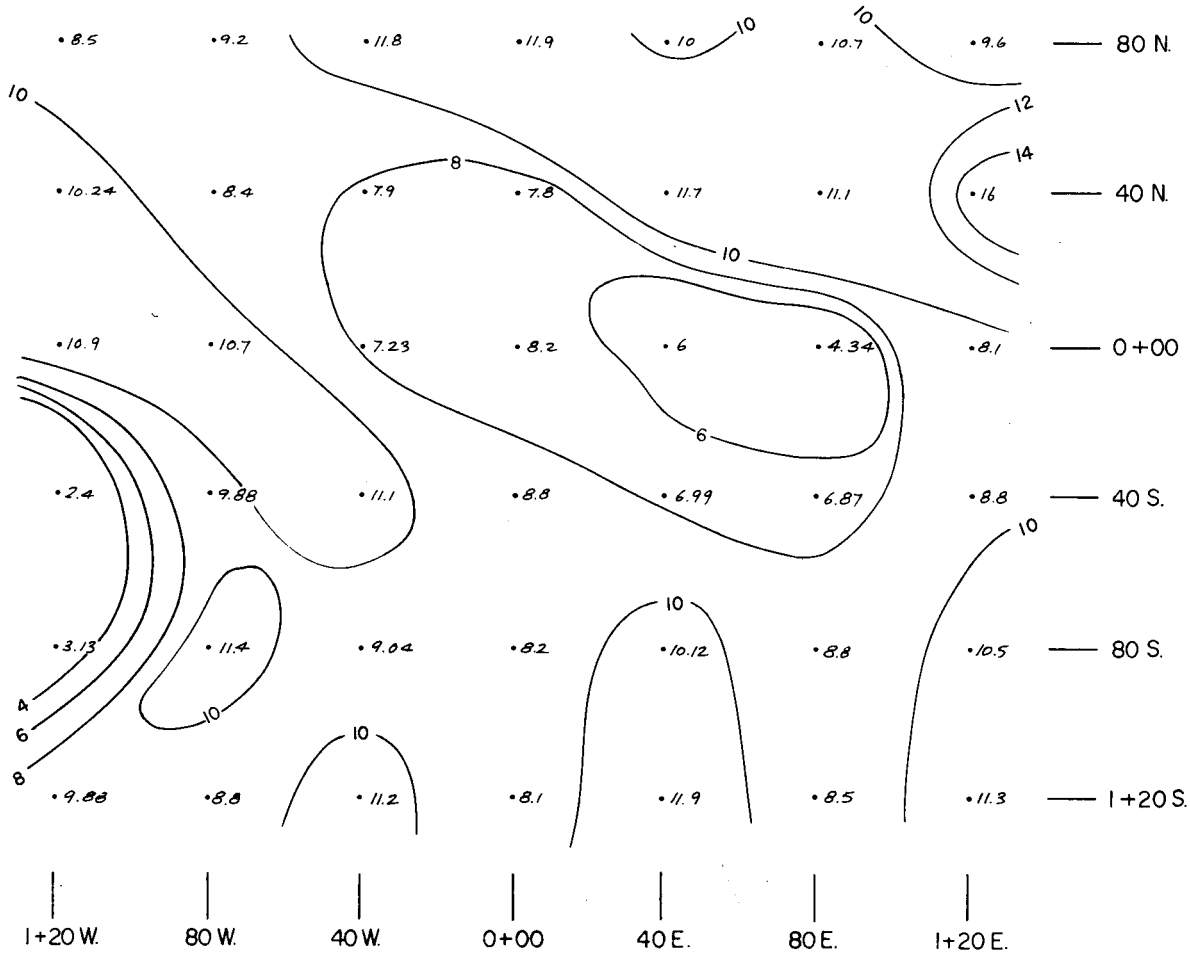
FAIR CLAIM GROUP
'B' GRID
P.P.M. URANIUM

PAMICON DEVELOPMENTS LTD.

SCALE 1:2000

m. 20 0 20 40 70 100 m.

DRAWN	PROJECT	DATE	FIG.
Altair		NOV. 1978	8



ENERGEX MINERALS LTD.

FAIR CLAIM GROUP
'B' GRID
P.P.M. THORIUM

PAMICON DEVELOPMENTS LTD.

SCALE 1:2000

m. 20 0 20 40 70 100 m.

DRAWN	PROJECT	DATE	FIG.
Altair		NOV. 1978	9

it can be noted that a major anomalous zone in U/Th ratios and ppm Uranium extends in a northeasterly direction across the grid, open at both ends.

As was mentioned in Section 8.1 the 'A' grid was located with the expectation that the NW trending fault may be a controlling factor for the Uranium mineralization which had been previously located. However the U/Th and U spectrometer anomalies both trend at a NE angle and appear to be coincident with one of several secondary lineaments which are identifiable on air photos of the property.

It is felt that both the U and the U/Th anomolies are real anomalies rather than spurious anomalies resulting from abnormally low Thorium values. This is due to the fact that the Thorium plot indicates that the low trend in Thorium values is in a northwesterly direction coinciding with the trace of the northwesterly striking fault and its corresponding surface depression.

An example of such a spurious U/Th anomaly may be the spot anomaly located at 1+20E, 40N to 80N.

'B' Grid

Spectrometer data from 'B' grid was treated similarly to the 'A' grid data and is also presented in Appendix II. 'B' grid was centered on the south showing (located on line OW between ON and 0+30N). The previous discussion on U/Th ratios, Uranium and Thorium values is applicable. The results are not as empirically high as the 'A' grid results, however as on 'A' grid a definite and previously unexpected anomaly trending N35^{o}E is apparent.

8.3 Geochemical Survey

Geochemical soil samples were collected from the 'B' soil horizon on the grid stations during the spectrometer survey. These were placed in kraft bags, air dried in camp and forwarded to Chemex Labs in North Vancouver, B.C. for determination of ppm Uranium by fluorometric methods. This analytical method was found to be inadequate in a large number of the samples where fluorescence quenching caused by a high concentration of interfering metallic ions resulted in a detection limit of 4 ppm. Accordingly these samples were re-run at the Atomic Energy Commission by neutron activation. This technique results in determination of total uranium content rather than soluble uranium content as in fluorometric techniques. Accordingly check samples were also run by neutron activation to allow comparison of results of both techniques. The use of a closest fitting curve on the results from the two techniques on the check samples indicated that subtraction of 3 ppm from the neutron activation results would standardize the results. The standardized results are presented on figures 10 & 11.

'A' Grid

Geochemical results indicate a small anomaly in the north west corner of the grid along with a possible NE trend although correlation with spectrometer data is poor. It is felt that the swampy conditions prevalent over most of the grid is contributing to the poor geochemical definitions.

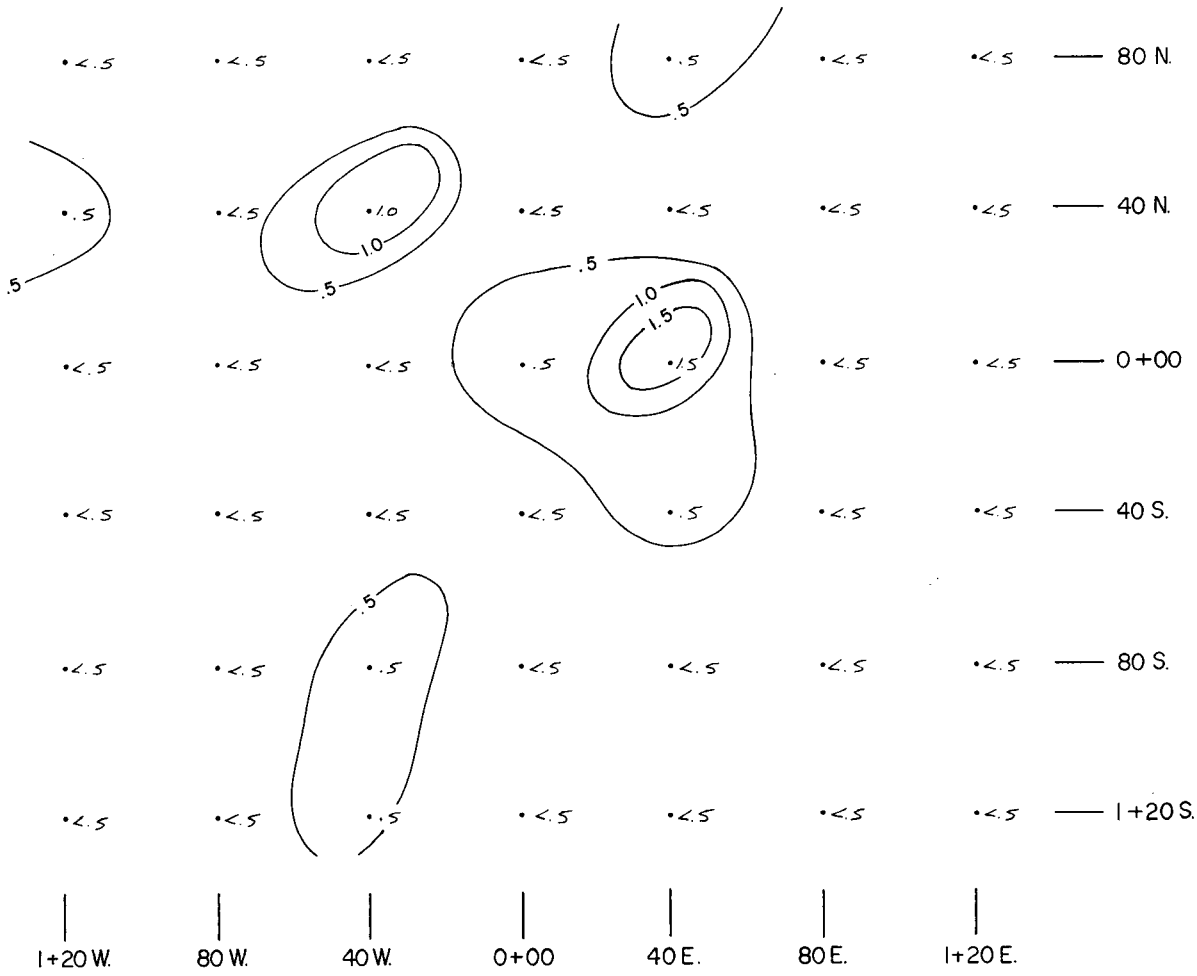


Figure 11
'B' Grid ppm U

ENERGEX MINERALS LTD.			
FAIR CLAIM GROUP 'B' GRID *GEOCHEMICAL SURVEY* *P.P.M. URANIUM*			
PAMICON DEVELOPMENTS LTD.			
SCALE 1:2000 m. 20 0 20 40 70 100 m.			
DRAWN Altair	PROJECT	DATE NOV. 1978	FIG. 11

'B' Grid

Geochemical results are generally low throughout the grid area with little or no interpretation possible other than some minor anomalous values in the area of the main showing.

9.0 Previous Diamond Drilling

Two Diamond Drill holes were drilled for copper on the Fair group in 1974. These drill holes were located on electromagnetic anomalies located by an airborne survey. The drill setups were located and although actual attitudes of the holes were not apparent, they are reported to be vertical holes.

Results of these holes were not encouraging and it is doubtful that they were even logged at the time, although one assay is reported from DDH #2 and shown in table 7.4.2 of this report. The core was left on site in open boxes until 1977 when it was removed by the Department of Northern Affairs and stored in the H.S. Bostock core library in Whitehorse. This core was logged in the library by D. Yeager of Pamicon in October of this year. These core logs are included in Appendix IV.

This core is not felt to be complete either through poor recovery in the hole or subsequent loss prior to being received by the library.

Briefly DDH #1 commenced in the argillaceous limestone, passed into a diatreme breccia at 70 feet and a silicified siltstone between 88 and 150 feet and then

back into the diatreme breccia to the end of the hole at 239 feet. DDH #2 intersected the diatreme breccia below 43 feet of overburden passing into a silicified siltstone breccia at 55 feet to the end of the hole at 113 feet. Fracturing, chlorite, graphite and kaolinization were prevalent in the units. The diatreme breccia and silicified siltstone was not noted in surface mapping.

DDH #1 encountered 3 zones of radioactive material. At 141 feet a feldspathized siltstone with fine grained brannerite was encountered. The intersection thickness could not be determined due to extremely poor core recovery. At 205 feet and 209 feet specks of radioactive hematization were noted.

Relationship between this drill hole and the spectrometer anomaly will require more detailed surface work.

10.0 Discussions & Conclusions

The Fair claim group lies within the Fairchild sedimentary sequence in a Proterozoic basin of the east central Yukon Territory. This sequence of rocks has demonstrated extensive uranium mineralization.

To date, eight uranium occurrences have been noted on the claim group. Assay samples have demonstrated values up to 1.22 lbs/ton U_3O_8 over 1 meter.

Structurally, a north east trending set of faults appears to be the most significant control for the uranium mineralization as indicated by the spectro-

meter surveys. These structures can be interpreted from air photos, however on the ground they are not well defined.

Copper mineralization with minor gold and silver values is also present on the claim group but at present does not appear to be economically important.

Additional work is required on the property as discussed in the following section.

11.0 Recommendations

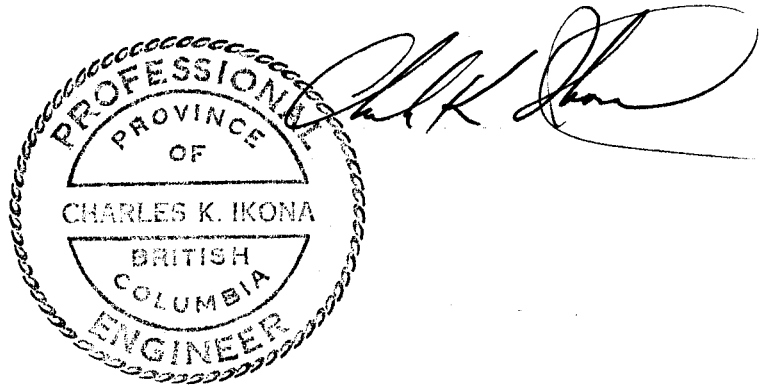
A continuing program is warranted on the Fair group. The spectrometer anomalies on the two grids should be confirmed and more closely defined by the use of a radon technique. The authors' preference is for alpha-nuclear machines rather than a tracketch type survey as the field reading aspect of the alpha-nuclear survey allows on-site modification of grids as results become available.

The apparent importance of the north east trending fault set indicates that more target areas are probably present on the property. A detailed air photo study should be initiated to determine all structures present.

Ground magnetometer and electromagnetic surveys should then be used to closely locate these structures on the ground. Once the location of these structures is

determined, spectrometer and radon surveys could be used to locate possible drill targets.

Diamond drilling will then probably be required to evaluate the property's potential.



RECOMMENDED BUDGET

Phase I

Orthophoto & Topographic Map Preparation		1,500.00
Air Photo Study		1,000.00
Wages:		
3 men @ $ 60/day for 44 days	7,920.00	
1 man @ $125/day for 44 days	5,500.00	
	13,420.00	
plus 15% o/h	2,013.00	15,433.00
Travel		
4 return Vancouver - Mayo		1,600.00
Accomodation & Sustenance		
4 men x 4 days x $50		800.00
Charter Aircraft		
10 return flights Fairchild Lake - Mayo @ $420 each		4,200.00
Food & Expendable Supplies		
4 men x 40 days x $25/day		4,000.00
Rentals		
Camp, radio, scintillometers, magnetometer alpha-nuclear		10,000.00
Engineering Supervision & Report Preparation		5,000.00
SUB-TOTAL		43,533.00
plus Contracting Fees @ 15%		6,525.00
plus Contingency @ 10%		4,350.00
		54,408.00
or say approximately		$55,000.00

Phase II

5,000 feet of Diamond Drilling @ $40/ft. all incl.	200,000.00
Plus supervision, assaying, reports @ 10%	20,000.00
	220,000.00
TOTAL PHASE I & PHASE II	$275,000.00

APPENDIX I

Photo 2 - Showing on south west portion 'A' grid - 8' chip sample.

Photo 3 - Showing on south east portion 'A' grid.
NOTE change of rock colour on radioactive portion at base of outcrop.

Photo 4 - South showing with sample locations indicated.

Photo 5 - Intrusive bluff east side of creek.
NOTE malachite and azurite staining.

Fairchild Lake - Looking North
From Fair Group

APPENDIX II

Field Data & Reduced Values
Spectrometer Surveys

Line	Δ	cps Tot	cps K	cps U	cps T	ppm T	ppm U	U/T
0+00E	BL	3159	177	61	33	2.77	1.46	.53
	40N	4573	276	94	59	5.9	2.36	.40
	80N	5650	407	119	88	9.4	2.73	.29
	1+20N	4523	277	96	71	7.35	2.15	.30
	1+60N	7264	602	134	89	9.5	3.5	.37
	40S	4373	263	117	77	8.07	2.79	.37
	80S	4603	265	114	68	6.99	3.13	.45
	1+20S	4913	316	106	55	5.4	3.13	.58
	1+60S	6244	420	145	79	8.3	4.4	.53
	2+00S	5035	313	126	55	5.4	4.2	.77
40E	BL	4201	195	114	51	4.9	3.7	.75
	40N	4493	215	133	53	5.2	4.6	.89
	80N	2743	104	55	27	2.05	1.3	.65
	1+20N	4642	233	125	85	9.04	3.15	.35
	1+60N	5722	301	150	71	7.3	4.9	.67
	0+40S	3633	162	109	50	4.8	3.45	.72
	80S	5546	294	124	74	7.7	3.5	.45
	1+20S	4848	226	145	72	7.47	4.6	.62
	1+60S	5010	266	141	60	6.07	4.63	.80
	2+00S	5111	250	118	61	6.1	3.6	.58
80E	BL	4702	234	120	51	4.9	4.01	.81
	40N	1660	51	33	22	1.45	.34	.23
	80N	2067	63	26	32	2.6	.1	.1
	1+20N	5080	239	123	62	6.3	4.1	.66
	1+60N	6405	345	169	91	9.7	5.3	.54
	40S	4337	195	120	57	5.7	3.8	.67
	80S	5365	266	156	69	7.1	5.4	.76
	1+20S	5156	237	162	65	6.6	5.6	.87
	1+60S	4327	195	104	51	4.9	3.2	.64
	2+00S	5389	258	151	80	8.43	4.7	.56
1+20E	BL	4283	201	96	72	7.5	2.14	.29
	40N	2364	94	51	19	1.1	1.4	1.28
	80N	2110	71	49	14	.5	1.45	3.01
	1+20N	5704	338	133	74	7.7	3.9	.5
	1+60N	6158	350	155	70	7.23	5.2	.23
	40S	4808	272	121	54	5.3	3.9	.75
	80S	5274	207	142	99	10.7	3.6	.34
	1+20S	4771	212	120	66	6.7	3.5	.52
	1+60S	5210	299	122	74	7.7	3.35	.44
	2+00S	5175	239	127	79	8.3	3.46	.42

Line	Δ	c/s Tot	c/s K	c/s U	c/s T	ppm T	ppm U	U/T
HH60E	BL	4424	222	113	57	5.7	3.4	.61
	40N	2970	117	80	39	3.5	2.3	.65
	80N	4072	207	121	44	4.1	4.3	1.05
	1+20N	5266	264	140	73	7.6	4.3	.57
	1+60N	8976	526	281	108	11.8	10.7	.91
	40S	9466	461	288	107	11.7	11.1	.95
	80S	5223	175	148	96	10.1	4.01	.39
	1+20S	5840	247	164	84	8.9	5.3	.59
	1+60S	5101	230	160	53	5.2	6.1	1.17
	2+00S	5365	220	199	82	8.7	7.2	.83
2+00E	BL	4197	174	122	43	3.96	9.9	1.1
	40N	5735	244	171	61	6.1	6.4	1.04
	80N	5627	250	185	73	7.6	6.7	.89
	1+20N	6655	316	228	66	6.7	9.3	1.4
	1+60N	5726	249	201	72	7.5	7.6	1.02
	40S	4628	198	197	62	6.3	5.1	.81
	80S	5176	216	182	57	5.9	7.04	1.19
	1+20S	6042	247	232	75	7.8	9.2	1.17
	1+60S	5495	249	183	55	5.4	7.23	1.33
	2+00S	4970	212	179	54	5.3	7.05	1.33
2+40E	BL	5744	252	215	76	7.95	8.24	1.04
	40N	5597	213	183	70	7.2	6.7	.93
	80N	5512	238	213	54	5.3	8.8	1.67
	1+20N	5348	220	188	66	6.7	7.1	1.06
	1+60N	5095	188	192	61	6.1	7.5	1.22
	40S	4808	212	213	64	6.5	8.5	1.3
	80S	4618	186	208	53	5.2	8.6	1.66
	1+20S	6433	255	310	76	7.9	13.3	1.67
	1+60S	5602	209	257	71	7.3	10.6	1.45
	2+00S	6279	241	313	65	6.6	13.8	2.08
2+80E	BL	6169	223	299	56	5.8	13.3	2.3
	40N	5350	183	224	63	6.4	9.1	1.4
	80N	5427	213	259	66	6.7	10.6	1.6
	1+20N	5052	195	208	64	6.5	8.3	1.3
	1+60N	4722	181	222	43	3.9	9.7	2.44
	40S	5300	160	235	59	5.3	10	1.9
	80S	6233	249	275	72	7.5	11.6	1.55
	1+20S	5656	214	267	82	8.7	10.8	1.25
	1+60S	5576	230	262	70	7.2	10.9	1.5
	2+00S	6125	200	299	64	6.5	13.1	2.01

Line	Δ	c/s Tot	c/s K	c/s U	c/s T	PPM T	PPM U	U/T
3+20E	BL	5909	222	278	71	7.3	11.5	1.57
	40N	5654	216	235	66	6.7	9.6	1.4
	80N	5898	208	257	64	6.5	10.9	1.67
	1+20N	5261	203	233	43	3.98	10.3	2.6
	1+60N	4797	173	176	68	6.99	6.4	.92
	40S	3289	105	112	32	2.6	4.2	1.6
	80S	6049	190	300	71	7.3	12.9	1.76
	1+20S	5483	196	239	72	7.5	9.6	1.3
	1+60S	5598	192	203	73	7.6	7.7	1.0
	2+00S	6273	215	296	85	9	12.2	1.4
3+60E	BL	5625	217	230	61	8.5	8.9	1.04
	40N	5882	205	272	60	6	11.8	1.96
	80N	5687	208	278	62	6.3	12	1.92
	1+20N	6128	223	302	56	5.8	13.5	2.33
	1+60N	6095	214	284	71	7.3	12.1	1.6
	40S	2746	92	61	26	1.9	1.7	.88
	80S	4213	172	169	50	4.8	6.6	1.4
	1+20S	5554	227	222	67	6.9	8.9	1.3
	1+60S	5559	217	219	59	5.9	8.7	1.5
	2+00S	5706	230	247	66	6.7	10.3	1.5
4+00E	BL	5386	190	205	52	5.1	8.5	1.68
	40N	5532	218	207	53	5.2	8.6	1.65
	80N	5333	241	167	69	7.1	6.96	.98
	1+20N	5004	203	179	64	6.5	6.7	1.03
	1+60N	5710	264	208	53	5.2	8.6	1.7
	40S	4629	180	170	57	5.7	6.5	1.14
	80S	4816	185	184	55	5.4	7.3	1.39
	1+20S	5517	205	202	66	6.7	7.9	1.17
	1+60S	5749	229	233	65	6.6	9.6	1.44
	2+00S	5903	234	222	69	7.1	8.8	1.24
4+40E	BL	5055	221	182	66	6.7	6.8	1.01
	40S	3733	145	106	37	3.5	3.76	1.08
	80S	3502	134	94	32	2.6	3.25	1.23
	1+20S	5414	222	186	64	6.5	7.1	1.09
	1+60S	5844	226	229	69	7.1	9.2	1.3
	40N	5319	244	189	53	5.2	7.6	1.47
	80N	5441	218	201	76	7.9	7.5	.94
	1+20N	7004	316	294	98	10.6	11.7	1.1
	1+60N	4605	170	156	50	4.8	6.1	1.3
	2+00S	5140	203	181	62	6.3	6.9	1.1

Line	Δ	c/s tot	c/s K	c/s U	c/s T	PPM T	PPM U	U/T
4+80E	BL	4709	305	96	71	7.3	2.1	.28
	40N	5219	374	113	60	6.01	3.38	.55
	80N	6530	497	129	103	11.2	2.77	.25
	1+20N	6611	491	192	131	14.6	2.5	.17
	1+60N	5937	459	99	67	6.87	2.36	.34
	40S	3910	240	72	46	4.34	1.6	.37
	80S	4070	219	97	61	6.14	2.45	.40
	1+20S	5109	351	104	86	9.16	2.00	.22
	1+60S	4734	356	104	79	6.3	2.23	.27
	2+00S	5473	363	130	71	7.35	3.88	.53
5+20E	1+60S	3376	171	73	49	4.7	1.57	.33
	1+20S	5335	320	114	84	8.9	2.6	.29
	80S	3005	199	56	35	3.01	1.13	.38
	40S	3614	189	61	37	3.25	2.39	.74

showing at 480E 1+00S

	10,100	608	314	100	10.8	12.7	1.17

Spec data Red - Fair 'B' grid

Line	Δ	c/s Tot	c/s K	c/s U	c/s T	ppm T	ppm U	U/T
0+00N	BL	6755	428	202	78	6.2	7.5	.91
	40W	5226	381	100	70	7.23	2.3	.32
	80W	6703	553	191	99	10.7	3.5	.33
	1+20W	6125	461	122	101	10.9	2.46	.22
	40E	4124	255	87	60	6	1.95	.32
	80E	3879	220	72	46	4.34	1.6	.37
	1+20E	5370	380	117	77	8.1	2.99	.37
0+40S	BL	5372	377	118	83	8.8	2.8	.32
	40E	7492	595	169	102	11.1	4.9	.44
	80E	5367	374	126	92	9.88	2.77	.30
	1+10E	2007	82	36	30	2.4	.23	.1
	40W	9367	288	87	68	6.77	1.69	.24
	80W	4182	224	76	67	6.87	1.14	.17
	1+20W	5012	343	101	83	8.8	1.94	.22
0+50S	BL	5501	409	124	78	8.2	3.33	.41
	40E	5541	388	121	85	9.04	2.94	.33
	80E	7100	487	169	105	11.4	4.8	.42
	1+20E	2747	141	62	36	3.13	1.42	.45
	40W	6481	493	137	94	10.12	3.89	.35
	80W	5556	409	124	83	8.8	3.16	.36
	1+20W	5956	420	122	97	10.5	2.6	.25
1+20S	BL	5069	377	149	77	8.1	9.7	.58
	40W	6234	429	135	103	11.2	3.1	.28
	80W	5634	359	120	83	8.8	2.95	.34
	1+20W	5428	396	122	92	9.88	2.76	.28
	40E	5676	366	128	109	11.9	2.52	.21
	80E	6056	414	153	81	8.5	4.77	.56
	1+20E	6458	494	154	104	11.3	4.1	.36

Line	Δ	c/s Tot	c/s K	c/s U	c/s T	ppm T	ppm U	U/T
0+40N	BL	5209	323	109	75	7.8	2.6	.34
	40E	5435	313	135	76	7.9	3.98	.50
	80E	5069	279	132	80	8.4	3.69	.44
	1+20E	6171	405	140	95	10.24	3.6	.35
	40W	7494	542	173	107	11.7	4.78	.43
	80W	6996	522	154	102	11.1	4.13	.37
	1+20W	8493	615	199	143	16	5.2	.32
0+80N	BL	5091	369	135	109	11.9	2.9	.24
	40W	7185	509	150	108	11.8	3.7	.32
	80W	6450	447	154	86	9.2	4.7	.51
	1+20W	5691	300	116	81	8.5	2.8	.33
	40E	7566	519	181	93	10	5.87	.59
	80E	7062	434	167	99	10.7	4.66	.43
	1+20E	6236	394	122	90	9.6	2.8	.29

APPENDIX III

Geochemical Assay Certificates

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 34310

INVOICE NO. 28075

RECEIVED Sept. 6, 1978

ANALYSED Sept. 14, 1978

TO: Pamicon Developments Ltd.,
208 - 850 West Hastings Street,
Vancouver, B. C.
V6B 1P1

ATTN: CC. Mayo, Y.T.

SAMPLE NO. :	% U_3O_8	% Cu	% Ni
62501	0.044		
62502	0.004		
62503	0.015		
62504	0.007		
62505	0.061		
62506	0.010		
62507		0.30	< 0.01
62508	< 0.001		

CTA MEMBER CANADIAN TESTING ASSOCIATION

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 34540

INVOICE NO. 28584

RECEIVED October 11, 1978

ANALYSED October 17, 1978

TO: Pamicon Developments Ltd.,
208 - 850 W. Hastings Street,
Vancouver, British Columbia.
V6B 1P1.

ATTN:

SAMPLE NO. :	% U_3O_8
64708	0.047
64709	0.018

CTA MEMBER CANADIAN TESTING ASSOCIATION

B. L. Swarts

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 45640

INVOICE NO. 28097

RECEIVED Sept. 6, 1978

ANALYSED Sept. 15, 1978

TO: Panicon Developments Ltd.,
203 - 850 W. Hastings Street,
Vancouver, B.C. V6B 1P1

ATTN: cc: Mayo, Y.T.

SAMPLE NO. :	PPM U	AEC results PPM U (Neutron activation)
FAIR 0+00BL	7.0	9.9
0+00E 0+60N	< 0.5	
0+80	0.5	
1+20	< 4.0	3.5
1+60N	< 4.0	3.1
0+40S	0.5	
0+80	< 0.5	2.1
1+20	< 0.5	
1+60	< 4.0	3.4
0+00E 2+00S	< 4.0	3.3
0+40E ONBL	< 4.0	4.8
0+40N	< 0.5	
0+80	2.2	9.8
1+20	< 0.5	
1+60N	< 0.5	
0+40S	0.5	
0+80	< 0.5	
1+20	< 0.5	3.5
1+60	< 0.5	
0+40E 2+00S	< 4.0	3.9
0+80E ONBL	< 4.0	3.3
0+40N	7.0	9.9
0+80	1.0	
1+20	< 4.0	3.2
1+60N	< 4.0	3.2
0+40S	< 4.0	3.0
0+80	< 4.0	3.5
1+20	< 4.0	3.0
1+60	< 4.0	3.2
0+80E 2+00S	< 0.5	
1+20E ONBL	1.5	6.1
0+40N	< 0.5	
1+20	< 0.5	
1+60N	< 0.5	
40S	2.0	4.8
0+80S	< 0.5	
1+20	< 0.5	2.4
1+60	< 0.5	
1+20E 2+00S	< 4.0	3.8
FAIR 1+60E ONBL	3.0	7.8
STD. NO.	20	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: A. Hajas

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 45641

INVOICE NO. 28097

RECEIVED September 6, 1978

ANALYSED September 14, 1978

TO: Pamicon Developments Ltd.,
208 - 850 W. Hastings Street,
Vancouver, British Columbia
V6B 1P1.

ATTN: cc: Mayo, Y.T.

SAMPLE NO. :	PPM U	AEC results PPM U (Neutron activation)
FAIR 1+60E ONBL	< 0.5	
0+80N	0.5	
1+20	0.5	
1+60N	< 0.5	
0+40S	< 4.0	2.8
0+80	4.0	7.4
1+20	< 0.5	3.5
1+60	< 4.0	2.5
1+60E2+00S	< 0.5	
2+00 ONBL	< 0.5	
2+00E 0+40N	< 0.5	
0+80	< 0.5	
1+20	< 0.5	
1+60N	1.0	
0+40S	< 0.5	
0+80	< 4.0	2.5
1+20	< 0.5	
1+60	< 0.5	
2+00E 2+00S	< 0.5	
2+40E ONBL	< 0.5	
0+40N	< 0.5	
0+80	< 0.5	
1+20	< 0.5	
1+60N	< 0.5	
0+40S	< 0.5	
0+80	< 0.5	
1+20	< 0.5	
1+60	< 0.5	
2+40E 2+00S	< 0.5	
2+80E ONBL	< 0.5	
0+40N	< 0.5	Less than 4 detection limit due to fluorescence quenching caused by high concentration of the interfering metals.
0+80	< 0.5	
1+20	< 0.5	
1+60N	< 0.5	
0+40S	< 0.5	
0+80	< 0.5	
1+20	< 0.5	
1+60	< 0.5	
2+80E 2+00S	< 0.5	
FAIR 3+20E ONBL	< 0.5	
STD. NO.	18	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 45642

TO: Pamicon Developments Ltd.,
208 - 850 W. Hastings Street,
Vancouver, British Columbia
V6B 1P1.

INVOICE NO. 28097

RECEIVED Sept. 6, 1978

ATTN: cc: Mayo, Y.T.

ANALYSED Sept. 14, 1978

SAMPLE NO. :	PPM U	AEC results PPM U (Neutron Activation)
~~FAIR 3+20E 0+40N~~	< 0.5	
0+80	< 0.5	
1+20	< 0.5	
1+60N	< 0.5	
0+40S	0.5	
~~0+80~~	< 0.5	
1+20	0.5	
1+60	< 0.5	
3+20E 2+00S	< 0.5	
3+60E ONBL	< 0.5	
~~0+40N~~	< 0.5	
0+80	< 0.5	3.8
1+20	< 0.5	
1+60N	< 0.5	
0+40S	< 0.5	
~~0+80~~	1.5	
1+20	< 0.5	
1+60	< 0.5	
3+60E 2+00S	< 0.5	
4+00 ONBL	< 4.0	3.3
~~4+00E 0+40N~~	< 4.0	2.7
0+80	< 4.0	2.9
1+20	< 4.0	3.0
1+60N	< 4.0	2.2
0+40S	< 4.0	2.8
~~0+80~~	< 0.5	
1+20	< 0.5	3.2
1+60	< 0.5	
4+00E 2+00S	< 4.0	3.8
4+40E ONBL	< 0.5	
~~0+40N~~	< 0.5	
0+80	< 0.5	
1+20	< 0.5	
1+60A	0.5	
4+40E 1+60BN	< 0.5	
~~4+80E ONBL~~	< 0.5	
0+40N	< 0.5	
0+80	< 4.0	1.5
1+20	< 4.0	3.6
FAIR 4+80E 1+60N	< 0.5	
STD. NO.	22	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 45643

INVOICE NO. 28097

RECEIVED September 6, 1978

ANALYSED September 14, 1978

TO: Pamicon Developments Ltd.,
208 - 850 W. Hastings Street,
Vancouver, British Columbia.
V6B 1P1.

ATTN: cc: Mayo, Y.T.

SAMPLE NO. :	PPM U	AEC results PPM U (Neutron activation)
FAIR 4+30E 0+40S	0.5	
0+80	< 0.5	
1+20	< 0.5	
1+60	< 4.0	3.4
4+80E 2+00S	< 0.5	
5+20E 0+80S	< 0.5	
1+20S	< 0.5	
FAIR 5+20E 1+60S	< 4.0	2.0
FAIR 4+40E 0+40S	< 4.0	3.8
0+80	< 4.0	3.2
1+20	< 4.0	1.9
1+60	< 0.5	
FAIR 4+40E 2+00S	< 4.0	2.6

Less than 4 detection limit due to fluorescence quenching caused by high concentration of the interfering metals.

STD. NO. 24

MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: .....

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 45639

TO: Pamicon Developments Ltd.,
208 - 850 W. Hastings Street,
Vancouver, B.C.
ATTN: V6B 1P1. cc: Mayo, Y.T.

INVOICE NO. 28097

RECEIVED September 6, 1978

ANALYSED September 15, 1978

SAMPLE NO. :	PPM U	AEC results PPM U (Neutron Activation)
FAIR B 0+00 ONBL	0.5	
0+00N 0+30E	< 0.5	
1+20E	< 0.5	
0+40W	< 0.5	
0+80	< 0.5	
1+20W	< 0.5	
0+00N 0+40S	1.5	
0+40N OEBL	< 0.5	
0+40E	< 0.5	
0+80E	< 0.5	
1+20E	< 0.5	
0+40W	1.0	
0+80W	< 0.5	
0+40N 1+20W	< 4.0	3.5
0+40S ONBL	<0.5	
0+40E	< 4.0	3.5
0+80E	< 4.0	3.4
0+40W	< 4.0	1.6
0+80W	< 4.0	2.9
0+40S 1+20W	< 4.0	1.6
0+80N OEBL	< 4.0	1.9
0+40E	0.5	
0+80E	< 0.5	
1+20E	< 4.0	3.0
0+80W	< 4.0	2.7
0+80N 1+20W	< 4.0	2.9
0+80S ONBL	< 0.5	3.1
0+40E	< 4.0	2.8
0+80E	< 4.0	2.0
1+20E	< 0.5	
0+40W	0.5	
0+80W	< 0.5	
FAIR B 0+80S 1+20W	< 0.5	
1+20S OEBL	< 0.5	
FAIR B 1+20S 0+40E	< 0.5	3.5
0+80E	< 0.5	
1+20E	< 0.5	
0+40W	0.5	
0+80W	<0.5	
FAIR B 1+20S 1+20W	< 4.0	2.4
STD. NO.	20	

NOTE: Less than 4 detection limit due to fluorescence quenching caused by high concentration of the interfering metals.

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: A. C. Clarke

APPENDIX IV

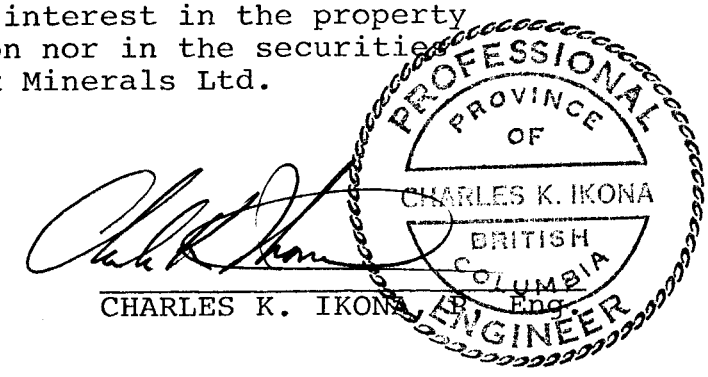
Diamond Drill Logs

APPENDIX V

ENGINEER'S CERTIFICATE

I, CHARLES K. IKONA, of 5 Cowley Court, Port Moody, in the Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am a Consulting Mining Engineer with offices at 208 - 850 West Hastings Street, Vancouver, B.C.
2. I am a graduate of the University of British Columbia with a degree in Mining Engineering.
3. I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.
4. The program reported on herein was conducted under my personal supervision in September 1978.
5. I have no interest in the property reported on nor in the securities of Energex Minerals Ltd.



CHARLES K. IKONA, P. Eng.

DATED at the City of Vancouver, Province of British Columbia this day of November, 1978.

CANADA)
)
)
)

In the matter of geological assessment work on the Fair Mineral Claims

TO WIT)

on behalf of ENERGEX MINERALS LTD.

I, C. Ikona for Pamicon Developments Ltd. of 208 - 850 West Hastings Street, Vancouver, B.C. do solemnly declare that geological mapping, geophysical and geochemical surveys were completed on the Fair Mineral Claims during August and September 1978.

The following expenses were incurred during the course of this work and in the compilation and reporting of the results.

Wages - Field & Report Prep.	2,820.00
Drafting & Reproduction	302.17
Assaying & Geochem Analysis	744.20
Equipment Rental	350.00
Supplies 18 man days @ $25/day	450.00
5 hrs helicopter @ $325/day	1,625.00
Fuel - 5 hrs @ 22.5 gal/hr @ $3.15/gal	354.37
Photographs & Misc.	27.94
Contracting Fees	1,001.05
	$7,674.73

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver)
in the Province of British Columbia)
this 6th day of March, 1979)

H.S. Dik

A Commissioner of Oaths
or Notary Public for

FAIR MINERAL CLAIMS

LIST OF PERSONNEL

C. Ikona, P.Eng. 5 Cowley Court Port Moody, B.C.	Aug. 28-Sept. 2 Oct. 24-25
B. Girling 3453 West 32nd Vancouver, B.C.	Aug. 28-Sept. 3
O. Yeager Box 48664 Bentall Centre Vancouver, B.C.	Aug. 28-Sept. 3
M. Stemmes 212 - 360 E. 2nd St. North Vancouver, B.C.	Sept. 2, 22
M. Cloutier Richmond, B.C.	Sept. 22

DRILL HOLE LOG

LOCATION:	80N; 2 + 50E on Fair Group 1978 Programme "A" Grid
AZIM:	N/A
DIP:	N/A
ELEV:	
LENGTH:	239 feet (72.8m)
CORE SIZE:	AQ
STARTED:	NOTE - Hole drilled during 1974
COMPLETED:	by Menika Mining Ltd. as follow-up
PURPOSE:	to an airborne EM survey during a copper exploration programme.
CORE RECOVERY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

HOLE No.	DDH 1
PAGE NO.	1 of 5
PROPERTY:	FAIR CLAIMS 106-C-13 Y.T.
CLAIM NO:	
SECTION:	
LOGGED BY:	D.A. Yeager
DATE LOGGED:	October 13, 1978
DRILLING CO:	
ASSAYED BY:	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		NOTE: The present location of the core is the H.S. Bostock Core Library in Whitehorse, Y.T. where it was taken in the summer of 1977 by J. Morin, geologist for the Dept. of Indian Affairs & Northern Development, for permanent storage.					
		Many of the footage markers and core box labels were obliterated by weathering so as a result some of the depths are only approximate.					
		It is felt that the core was not logged at the time of drilling as it was obvious there was very little copper mineralization, the mineral sought at that time.					
0' (0m)	7' (2.1m)	no core - overburden					
7.0' (2.1m)	665'(203)	ARGILLACEOUS LIMESTONE limestone is finegrained, medium grey, massively bedded; the entire unit is coarsely fractured, with fragments ranging from 1/16" to 1" in size, fractures are filled with white sparry calcite; unit contains occasional blebs (up to 5% in places)					

DRILL HOLE LOG

LOCATION:		HOLE No. DDH 1	PAGE NO. 2 of 5
AZIM:	ELEV:	PROPERTY:	
DIP:	LENGTH: 239' (72.8m)		FAIR CLAIMS 106-C-13 Y.T.
	CORE SIZE: AQ	CLAIM NO:	
STARTED:		SECTION:	
COMPLETED:		LOGGED BY:	D.A. Yeager
PURPOSE:		DATE LOGGED:	October 13, 1978
		DRILLING CO:	
CORE RECOVERY:		ASSAYED BY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		of light green chlorite with occasional disseminated specks of magnetite. The chlorite occurs both disseminated and in fractures.					
		8.75' (2.7) ground up core 16.5' (5.0) 2" zone of quartz - feldspathic fragments up to ½" in size in a matrix of chlorite with some sericite. 30.0' (9.1) start of 1.0' - zone of intense fracturing, core loss, large calcite filled vugs, some kaolinization. 32.0' (9.8) start of 6" zone of fractured and shattered limestone containing greater than 50% kaolinite, chlorite, biotite.					
	~~	32.5' (9.9) FAULT - 6" clay seam					
		33.0' (10.1) - 40.0' (12.2) rock continues to contain over 50% calcite, chlorite, kaolinite, biotite.					
	~~	64.0' (19.5) FAULT - clay seam, fractured rock, core loss.					
665'(20.3)	705'(21.5)	major FAULT ZONE					
		66.5' (20.3) to 67.0' (20.4) - loss of core, graphite seam with up to 1" fragments of quartz. 67.0' (20.4) to 68.0' (20.7) - argillaceous					

DRILL HOLE LOG

LOCATION:		HOLE No. DDH 1	PAGE NO. 3 of 5
AZIM:	ELEV:	PROPERTY:	
DIP:	LENGTH: 239' (72.8m)		FAIR CLAIMS 106-C-13 Y.T.
	CORE SIZE: AQ	CLAIM NO:	
STARTED:		SECTION:	
COMPLETED:		LOGGED BY: D.A. Yeager	
PURPOSE:		DATE LOGGED: October 13, 1978	
		DRILLING CO:	
CORE RECOVERY:		ASSAYED BY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		limestone.					
		68.0' (20.7) to 69.5' (21.2) - graphite seams					
		with 3" breccia zone at 69.0' (21.0) consist-					
		ing of rounded limestone fragments in a fine-					
		grained graphite ground mass.					
		69.5' (21.2) to 70.5' (21.5) - fine grained					
		argillaceous limestone.					
70.5'(21.5)	80.0'(24.4)	DIATREME BRECCIA BODY					
		Consists of up to 2" rounded limestone frag-					
		ments; up to ¼" fragments of calcite; matrix					
		is mostly calcite and kaolinite.					
		73.0' (22.3) one foot fragment of finely					
		crystalline limestone.					
		74.0' (22.6) large bleb of pinkish calcite					
		with disseminated specular hematite.					
80.0'(24.4)	81.0'(24.7)	LAMPROPHYRE DYKELET					
		Up to ¼" biotite books					
81.0'(24.7)	88.0'(26.8)	DIATREME BRECCIA BODY - same as 70.5' - 80.0'					
	~~	82.5' FAULT - clay gouge and graphite seam.					
		84.5' (25.8) graphite seam.					
	~~	87.0' (26.5) to 88.0' FAULT - no recovery,					
		some clay.					

LOCATION:

DRILL HOLE LOG

HOLE No. DDH 1 | PAGE NO. 4 of 5

AZIM: | ELEV:

DIP: | LENGTH: 239' (72.8m)

CORE SIZE: AQ

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: FAIR CLAIMS 106-C-13 Y.T.

CLAIM NO:

SECTION:

LOGGED BY: D.A. Yeager

DATE LOGGED: October 13, 1978

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
88.0'(26.8)	150.0'(45.7)	SILICIFIED SILTSTONE					
		Siltstone is fine grained, medium grey,					
		coarsely fractured, with no visible bedding					
		features; the unit is heavily faulted and					
		brecciated resulting in extremely broken core					
		and poor core recovery.					
	~~	88.0' (26.8) to 89.0' (27.1) FAULT - clay					
		gouge with siltstone fragments.					
	~~	90.0' (27.4) to 92.0' (28.0) FAULT - clay					
		gouge.					
	~~	98.0' (29.9) to 99.0' (30.2) FAULT - chloritic					
		alteration with clay gouge.					
	≈≈≈≈≈	101.0' (30.8) to 107.0' (32.6) SHEAR ZONE -					
		clay gouge and poor recovery.					
	~~	109.5' (33.4) FAULT - clay gouge.					
		114.0' (34.7) to 120.0' (36.6) 35% recovery					
		120.0' (36.6) to 130.0' (39.6) 15% recovery					
		130.0' (39.6) to 139.0' (42.4) 25% recovery					
		140.0' (42.7) to 150.0' (45.7) 30% recovery					
⊛		141.0' (43.0) RADIOACTIVE ZONE of Feldspathized					
		siltstone with brick red hematization haloes					
		aroung blebs and specks of fine grained specu-					
		larite containing fine grained brannerite;					
		section contains sericite, chlorite, kaolinite;					
		total thickness of mineralized section unknown					
		as recovery is poor in this section and core					
		is extremely broken.					

DRILL HOLE LOG

LOCATION:		HOLE No. DDH 1	PAGE NO. 5 of 5
AZIM:	ELEV:	PROPERTY:	
DIP:	LENGTH: 239' (72.8m)		FAIR CLAIMS 106-C-13 Y.T.
	CORE SIZE: AQ	CLAIM NO:	
STARTED:		SECTION:	
COMPLETED:		LOGGED BY:	D.A. Yeager
PURPOSE:		DATE LOGGED:	October 13, 1978
		DRILLING CO:	
CORE RECOVERY:		ASSAYED BY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
1500(45.7)	2390(72.8)	DIATREME BRECCIA BODY consists of up to 2" fragments of grey silicified siltstone in a partially kaolinized chloritic matrix.					
		150.0' (45.7) to 154.0' (46.9) 25% recovery					
		154.0' (46.9) to 159.0' (48.5) 70% recovery					
		159.0' (48.5) to 161.0' (49.1) 50% recovery					
		161.0' (49.1) to 170.0' (51.8) 60% recovery					
		170.0' (51.8) to 171.0' (52.1) 25% recovery					
		171.0' (52.1) to 173.0' (52.7) 25% recovery					
		173.0' (52.7) to 175.0' (53.3) 35% recovery					
		175.0' (53.3) to 180.0' (54.9) 30% recovery					
		180.0' (54.9) to 190.0' (57.9) 45% recovery					
		190.0' (57.9) to 195.0' (59.4) 100% recovery					
		193.5' (59.0) to 194.5' (59.3) Chlorite dyke					
		195.0' (59.4) to 200.0' (60.96) 70% recovery					
		200.0' (60.96) to 210.0' (64.0) 100% recovery					
⊗		205.0' (62.5) specks of radioactive hematization					
⊗		209.0' (63.7) specks of radioactive hematization					
		210.0' (64.0) to 222.0' (67.7) 85% recovery					
		222.0' (67.7) to 224.0' (68.3) 70% recovery					
		224.0' (68.3) to 234.0' (71.3) 80% recovery					
		234.0' (71.3) to 237.0' (72.2) 100% recovery					
		237.0' (72.2) to 239.0' (72.8) no recovery					
		END OF HOLE					

DRILL HOLE LOG

LOCATION:	120N; 120E, on Fair Group 1978 Programme "A" Grid	HOLE No.	DDH 2
		PAGE NO.	1 of 2
AZIM:	N/A	ELEV:	
DIP:	N/A	LENGTH:	113 feet (34.4m)
		CORE SIZE:	AQ
STARTED:	NOTE - Hole drilled during 1974 by	PROPERTY:	FAIR CLAIMS 106-C-13 Y.T.
COMPLETED:	Menika Mining Ltd. as follow up to	CLAIM NO:	
PURPOSE:	an airborne EM survey during a copper exploration programme.	SECTION:	
		LOGGED BY:	D.A. Yeager
		DATE LOGGED:	October 13, 1978
CORE RECOVERY:		DRILLING CO:	
		ASSAYED BY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		NOTE: The present location of the core is the H.S. Bostock Core Library in Whitehorse, Y.T. where it was taken in the summer of 1977 by J. Morin, geologist for the Dept. of Indian Affairs and Northern Development, for permanent storage. Most of the footage markers and core box labels were obliterated by weathering with the result that some of the depths reported herein are only approximate. It is felt that the core was not logged at the time of drilling as it was obvious there was very little copper mineralization, the mineral sought at that time.					
0' (0m)	450'(137)	no core - over burden					
450'(137)	550'(168)	SILICIFIED SILTSTONE AND GRAPHITE DIATREME BRECCIA BODY Consists of up to 2" rounded siltstone fragments in a matrix of coarse grained platey graphite.					

DRILL HOLE LOG

LOCATION:		HOLE No. DDH 2	PAGE NO. 2 of 2
AZIM:	ELEV:	PROPERTY:	
DIP:	LENGTH: 113 feet (34.4m)		FAIR CLAIMS 106-C-13 Y.T.
	CORE SIZE: AQ	CLAIM NO:	
STARTED:		SECTION:	
COMPLETED:		LOGGED BY:	D.A. Yeager
PURPOSE:		DATE LOGGED:	October 13, 1978
		DRILLING CO:	
CORE RECOVERY:		ASSAYED BY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
550'(168)	1130'(344)	SILICIFIED SILTSTONE BRECCIA BODY (diatreme)					
		Consists of up to 1" rounded to angular					
		silicified siltstone fragments in a matrix					
		of finely ground siltstone fragments.					
		END OF HOLE					

133°45' W.

64°57' N.

FAIRCHILD LAKE

CAMP

Post 1
FAIR 19
Post 2
FAIR 18

Post 1
FAIR 22
23

Post 1
FAIR 33,34

DDH 1

DDH 2

'A' GRID

'B' GRID

minor Cu

Cu

banded

banded

U_3O_8

SYMBOLS

- Claim post
- Attitude (strike & dip)
- Geological contact
- Fault
- Fault (inferred)
- Outcrop boundary
- Tote road
- Trench
- Diamond Drill hole location

GEOLOGY

- 5 — Dark, porphyritic intrusive and hornfels contains biotite, feldspars, magnetite with extensive associated copper mineralization.
- 4 — Massively bedded banded limestone
- 3 — Green to grey phyllite, non calcareous, extensive chlorite, sericites and micaceous minerals.
- 2 — Thin bedded brown to grey siltstone minor pyrite and limonite staining
- 1 — Argillaceous limestone with some interbedded siltstones. Varies from massively bedded to completely shattered and rehealed material, extensive chloritization in areas.

* Note : Elevations shown in Feet A.S.L.

ENERGEX MINERALS LTD.

PRELIMINARY GEOLOGICAL MAP OF FAIR MINERAL CLAIMS

PAMICON DEVELOPMENTS LTD.

METRES
100 50 0 100 200 300

DRAWN:	PROJECT:	DATE:	FIGURE:
	FAIR	October, 1978	3

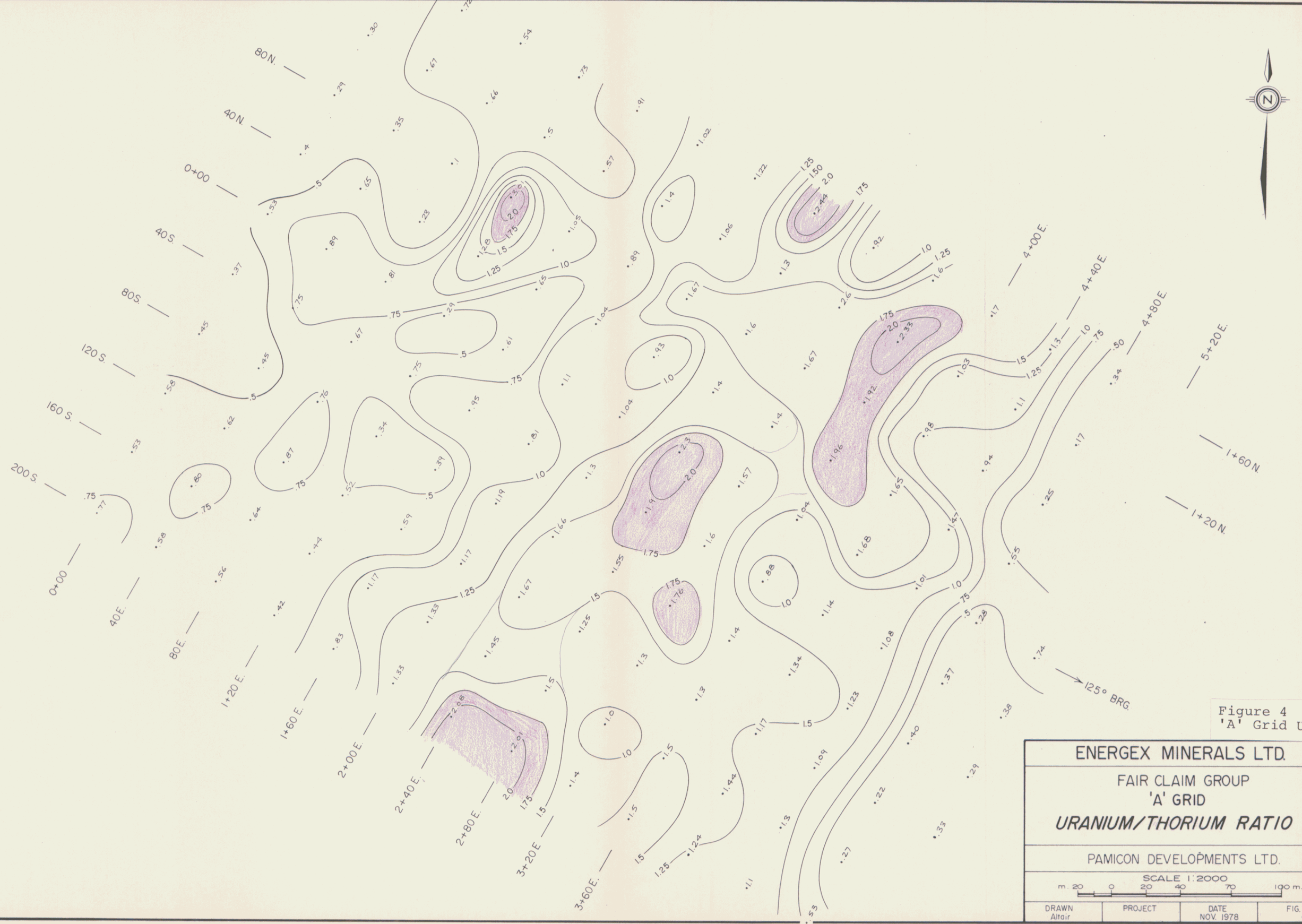


Figure 4
'A' Grid U/Th

ENERGEX MINERALS LTD.

FAIR CLAIM GROUP
'A' GRID
URANIUM/THORIUM RATIO

PAMICON DEVELOPMENTS LTD.

SCALE 1:2000
m. 20 0 20 40 70 100 m.

DRAWN	PROJECT	DATE	FIG.
Altair		NOV. 1978	4

Figure 5
'A' Grid U

ENERGEX MINERALS LTD.

FAIR CLAIM GROUP
'A' GRID
P.P.M. URANIUM

PAMICON DEVELOPMENTS LTD.

SCALE 1:2000
m. 20 0 20 40 70 100 m.

DRAWN	PROJECT	DATE	FIG.
Altair		NOV. 1978	5

Figure 6
'A' Grid Th

ENERGEX MINERALS LTD.

FAIR CLAIM GROUP

'A' GRID

P.P.M. THORIUM

PAMICON DEVELOPMENTS LTD.

SCALE 1:2000

m 20 0 20 40 70 100 m.

DRAWN	PROJECT	DATE	FIG
Altair		NOV. 1978	6

Figure 10
'A' Grid ppm U

ENERGEX MINERALS LTD.

FAIR CLAIM GROUP
'A' GRID
GEOCHEMICAL SURVEY
P.P.M. URANIUM

PAMICON DEVELOPMENTS LTD.

SCALE 1:2000
m. 20 0 20 40 70 100 m.

DRAWN	PROJECT	DATE	FIG.
Altair		NOV. 1978	10